Lockheed Martin Corporation
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February 8, 2016 **VIA PRIVATE CARRIER**

Mr. James R. Carroll
Program Administrator
Land Restoration Program
Land Management Administration
Maryland Department of the Environment
1800 Washington Boulevard, Suite 625
Baltimore, Maryland 21230

Subject: Transmittal of the Construction Completion Report and Request for No Further Action
Block H Soil Remedial Action
Lockheed Martin Corporation; Middle River Complex
2323 Eastern Boulevard, Middle River, Baltimore County, Maryland

Dear Mr. Carroll:

Please find enclosed two hard copies with a CD of the above-referenced document. This document presents the results of the soil remediation activities completed in Block H at the Lockheed Martin Corporation Middle River Complex in Middle River, Maryland. As presented in Section 4.4 of the referenced report, the soil remediation has satisfied the Remedial Action Objective (RAO) of the Block H Soil Remedial Action Plan (RAP), as amended. In accordance with Section VI of Administrative Consent Order and Settlement Agreement ACO-SAR-MDE0746-2015-1-01, Lockheed Martin requests a No Further Action letter or equivalent determination with respect to the Block H Soil RAP and associated RAO.

We respectfully request a response by March 25, 2016.

Please let me know if you have any questions. My office phone is (301) 548-2209.

Sincerely,

Thomas D. Blackman
Project Lead, Environmental Remediation

cc: (via email without enclosure)
Gary Schold, MDE
Mark Mank, MDE
Christine Kline, Lockheed Martin
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Carol Henry Emery, Emagin/HSW

Construction Completion Report: Block H Soil Remedial Action Lockheed Martin Middle River Complex 2323 Eastern Boulevard Middle River, Maryland

Prepared for:

Lockheed Martin Corporation

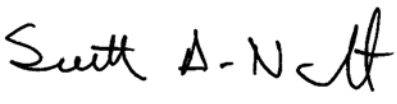
Prepared by:

Tetra Tech, Inc.

February 2016



Michael Martin, PG
Regional Manager



Scott Nesbit, PE
Project Manager

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ACRONYMS

BaPEq	benzo[a]pyrene equivalent
CFR	*Code of Federal Regulations*
CGP	(Maryland State) “Construction General Permit”
COPC	chemical(s) of potential concern
DEPS	Department of Environmental Protection and Sustainability
E&SC	erosion and sediment control
HASP	health and safety plan
HAZWOPER	hazardous waste operations and emergency response
LMCPI	LMC Properties, Inc.
Lockheed Martin	Lockheed Martin Corporation
MDE	Maryland Department of the Environment
MDSHA	Maryland State Highway Administration
µg/kg	microgram(s) per kilogram
MHT	Maryland Historical Trust
MRC	Middle River Complex
PAHs	polycyclic aromatic hydrocarbons
RAO	remedial action objective
RAP	remedial action plan
RG	remedial goal
RRA	residual-risk analysis
RSL	regional screening level
RTD	real-time dust
SCD	Soil Conservation District
Tetra Tech	Tetra Tech, Inc.
UCL	upper confidence-limit
USEPA	United States Environmental Protection Agency

Section 1
Introduction

Tetra Tech, Inc. (Tetra Tech) has prepared this *Construction Completion Report* on behalf of Lockheed Martin Corporation (Lockheed Martin) to document completion of the Block H soil remedial action in May 2015 at the Lockheed Martin Corporation Middle River Complex (MRC) in Middle River, Maryland (Figure 1-1). The location of Block H within the Middle River Complex is shown on Figure 1-2.

1.1 BACKGROUND

Block H consists of 7.88 acres in the northwestern portion of the Middle River Complex. It is bounded to the north by Eastern Boulevard (Route 150), to the east by the industrial portion of the Middle River Complex (Block I), to the south by Parking Lot No. 3 (Block G), and to the west by Cow Pen Creek. Block H consists of Parking Lot No. 2, which is currently and has historically been used as an employee automobile parking lot. The parking lot is paved with asphalt, and a paved access road and a grass covered strip of land lie between the parking lot and Cow Pen Creek. Access to the parking lot is from Chesapeake Park Plaza. Historical aerial photographs suggest that Parking Lot No. 2 was constructed before 1954; it remains in use today for employee parking. No structures are known to have ever stood on Block H.

Numerous environmental studies, including soil sampling, have chemically characterized Block H soil. A soil remedial action plan (RAP) was prepared to outline the alternatives and objectives for remediating Block H soil (Tetra Tech, Inc., 2013). The remedial action plan was subsequently amended twice. The first addendum presented the results of additional sampling to support the soil-remediation design (Tetra Tech, Inc., 2014). The second addendum included a revision to the remedial action objective (RAO) and presented an updated implementation schedule (Tetra Tech, Inc., 2015a). The remedial action objective developed in the Block H soil remedial action plan (and amended in the second addendum) to mitigate risks associated with potential exposure pathways identified in the conceptual site model for industrial workers is as follows:

Soil remedial action objective— *Reduce site-related chemicals of concern in Block H soil to not exceed a cumulative human health cancer-risk limit of 1×10^{-5} for industrial workers via ingestion, dermal contact, and inhalation.*

The remedial action objective and previous soil sampling results were incorporated into the *100% Soil Remedial Action Design for Blocks D, D Panhandle, F, G, and H* (Tetra Tech, Inc., 2015b) prepared by Tetra Tech, Inc. in January 2015 and approved by the Maryland Department of the Environment (MDE) on January 18, 2015.

These documents form the basis for the Block H soil remedial action, which removed and disposed of 396 tons of benzo[a]pyrene-equivalent (BaPEq)-impacted soil. This report documents the successful execution and completion of the soil remedial action in Block H in May 2015. Daily reports that were completed during field activities are in Appendix A.

1.2 ORGANIZATION

This report is organized as follows:

Section 1—Introduction: Presents the background and organization of the construction completion report.

Section 2—Permitting and Site Setup: Describes the remedial action design, permits obtained before construction, and site setup.

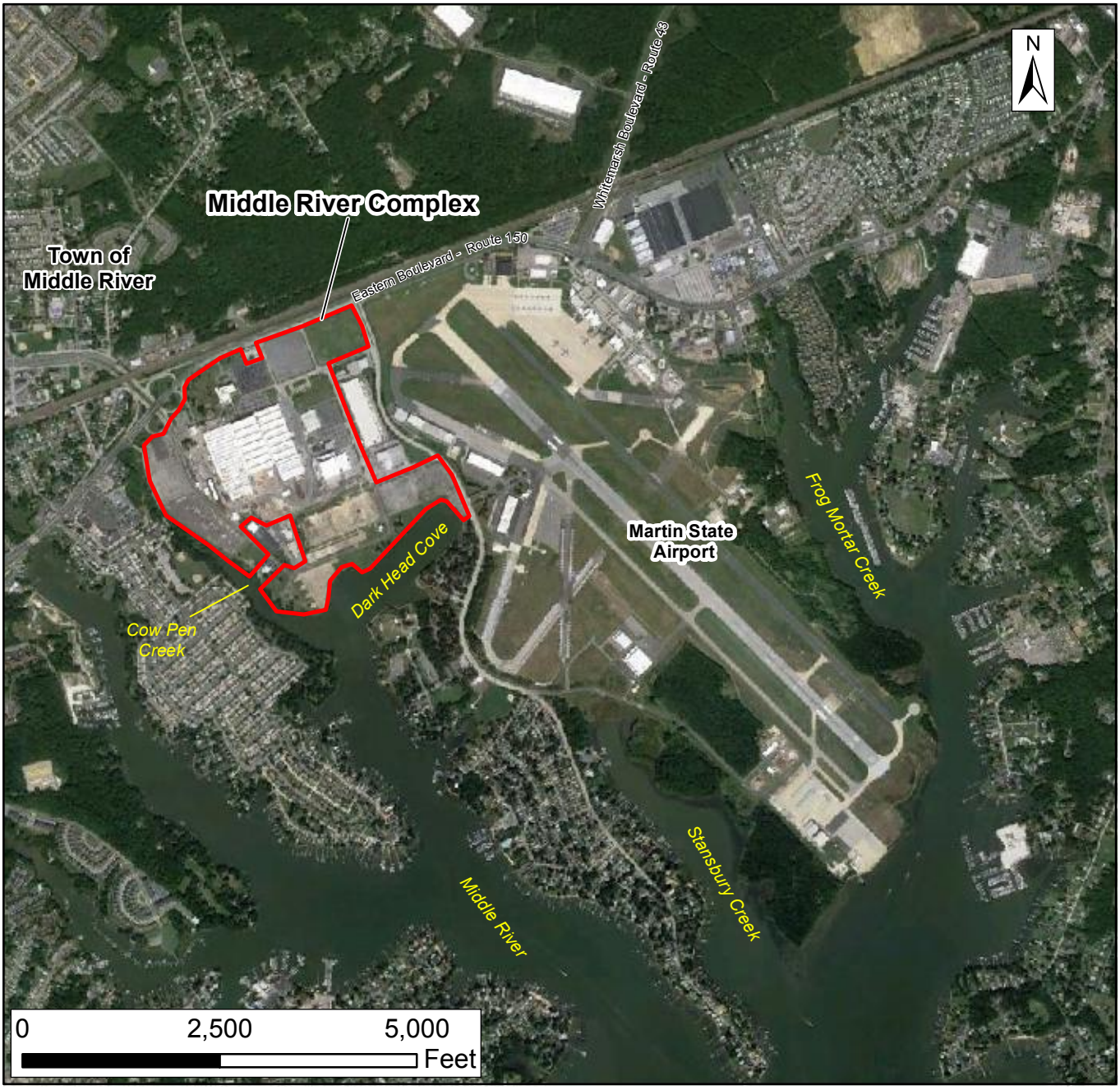
Section 3—Health, Safety, and the Environment: Describes the procedures used to ensure the health and safety of personnel.

Section 4—Remedial Action Implementation: Describes the soil removal activities and the achievement of the remedial action objective.

Section 5—Transportation and Disposal: Presents waste transportation and disposal details.

Section 6—Decontamination, Site Restoration, and Demobilization: Presents details of decontamination, site restoration, and demobilization.

Section 7—References: Lists references and citations used in compiling this report.



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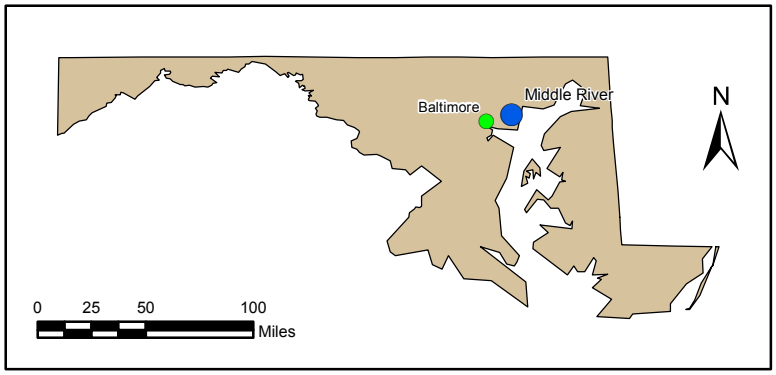


FIGURE 1-1

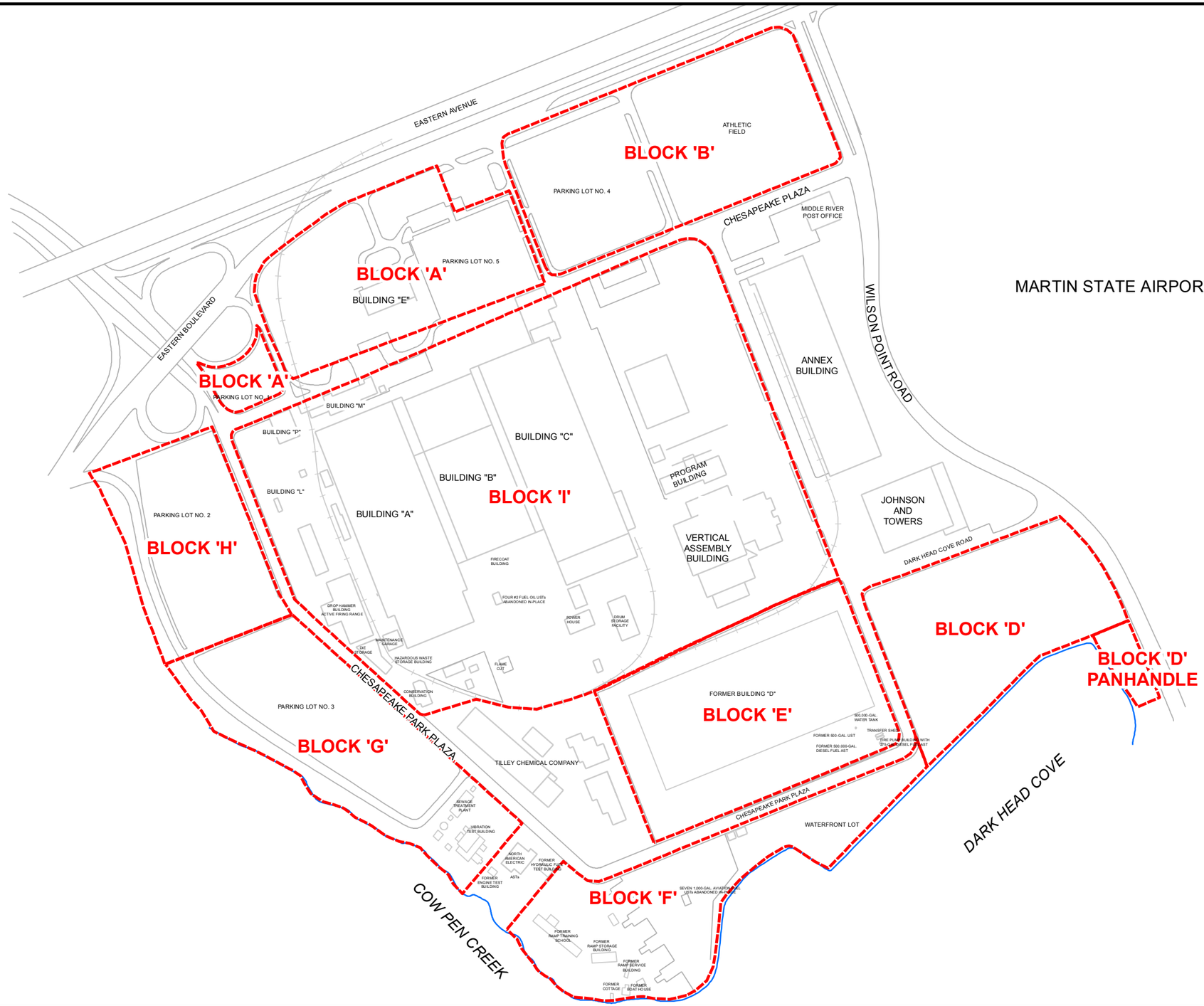
MIDDLE RIVER COMPLEX LOCATION MAP

Lockheed Martin Middle River Complex
Middle River, Maryland

DATE MODIFIED:	CREATED BY:
5/1/13	MP

TETRA TECH

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MARTIN STATE AIRPORT

FIGURE 1-2

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX
TAX BLOCKS

LEGEND

- TAX BLOCK
- STRUCTURE
- RAILROAD TRACKS

Lockheed Martin Middle River Complex
Middle River, Maryland

0 200 400 Feet

N

DATE MODIFIED: 6/20/13

CREATED BY: MP

TETRA TECH

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Section 2
Design, Permitting, and Site Setup

Permitting and site setup to implement the remedial action for Block H soil included:

- completing the remedy design
- obtaining necessary permits and approvals
- clearing utilities
- installing temporary facilities

2.1 DESIGN AND PERMITS

Tetra Tech Inc. (Tetra Tech) completed and submitted the *100% Soil Remedial Action Design for Blocks D, D Panhandle, F, G, and H* (Tetra Tech, 2015b) to state regulators in January 2015. The design was approved by the Maryland Department of the Environment (MDE) on January 18, 2015. Tetra Tech has secured all necessary permits, approvals, and authorizations from state, federal, and local agencies for activities in Block H. Copies of the permits and authorization letters are in Appendix B. Note that work authorization for Block H is part of the work authorizations issued for Blocks D, F, G, and H, and that certain provisions therein do not apply to the specific activities performed in Block H. Permits/approvals secured specifically for the work in Block H include:

- Baltimore County grading permit
- Baltimore County Soil Conservation District erosion and sediment-control plan approval
- Baltimore County critical area and natural-resource variance
- Baltimore County stormwater-management variance
- Maryland Historical Trust determination
- Maryland Department of Natural Resources review
- MDE “Construction General Permit”

- Lockheed Martin Corporation Middle River Complex digging permit

Baltimore County approved a standard grading permit for ground disturbance (in the upland areas of Block H) on April 23, 2015 as part of the grading application submittal for Blocks D, F, G, and H. The erosion and sediment-control (E&SC) plans for controlling stormwater runoff during construction were likewise approved by the Baltimore County Soil Conservation District (SCD) on April 23, 2015. MDE required approval of E&SC plans by SCD for final authorization of the Maryland State "Construction General Permit" (CGP) that MDE approved on May 6, 2015.

This project qualified for a stormwater-management variance because final site grades remained unchanged and the project involved no post-construction stormwater-management features. This variance was approved on July 23, 2014 by the stormwater management office of the Baltimore County Department of Environmental Protection and Sustainability (DEPS). The project also qualified for a variance (approved on February 22, 2014) from the DEPS Environmental Impact Review office, because the project remedied previously developed/industrial areas that lack any wetlands, forest, or other natural habitats.

The Maryland Historical Trust (MHT) and the Maryland Department of Natural Resources (DNR) were consulted to determine if historical or special-status species/habitats would be affected by the proposed action. The MHT indicated in a letter dated December 9, 2013 that the project would have no effect on historical resources. The DNR stated in a letter dated December 18, 2013 that no listed species or habitats are known to occur in the project area, but cautioned that this letter should not be interpreted as meaning that rare, threatened, or endangered species are not present, and if appropriate habitats are available, certain species could be present without documentation since adequate surveys have not been conducted.

2.2 UTILITY CLEARANCE

A pre-construction utility-locating survey was conducted before any activities requiring ground disturbance began. Enviroscan, Inc. of Lancaster, Pennsylvania was contracted to perform a geophysical survey of the work area to identify possible underground utilities. This survey was completed on April 15, 2015 and identified utilities were marked on the ground using spray paint. These marks were refreshed as required throughout the project. The project team also inspected the area for overhead utilities, noting where utilities might interfere with operations.

Maryland's "Miss Utility" clearinghouse was notified of project activities and approved the ticket request on April 15, 2015. The Miss Utility ticket was updated as required throughout the project. Tetra Tech followed Lockheed Martin Corporation (Lockheed Martin) *Enterprise Operations-28* (EO-28) and Lockheed Martin *Minimum Requirements for Intrusive Fieldwork Work Plans*, in addition to completing the LMC Properties, Inc. (LMCPI) digging authorization form and obtaining required signatures before conducting any intrusive activities. The completed digging authorization form and utility clearance report are in Appendix B.

2.3 INSTALLATION OF TEMPORARY FACILITIES AND SITE CONTROL

One project trailer for site personnel was placed in Block G in April 2015; this trailer will be used for the duration of the soil remedial actions in all tax blocks. Power was connected to the trailer through the existing power-supply lines in Block G. Portable toilets and a storage container for tools were also provided. Temporary fences were installed around the Block H excavation areas in May 2015 to limit access to the work area (in accordance with discussions with LMCPI). Signs installed at the entrance to the construction site provided emergency contact information for the project. Erosion and sediment-control (E&SC) measures were not required per the MDE-approved E&SC plan, as the site was stabilized at the end of each workday.

Section 3
Health, Safety, and the Environment

A dust control plan and a health and safety plan (HASP) were prepared before starting soil remedial-action activities to specify the measures taken to control airborne dust and ensure personnel safety. The following sections describe how these plans were implemented during construction in Tax Block (Block) H.

3.1 AIR MONITORING

Real-time dust (RTD) monitoring and visual observations were conducted to determine (quantitatively and qualitatively) if measures were needed to control airborne dust levels and avoid dispersion or inhalation of contaminated dusts or particulate during excavation, stockpiling, load-out, backfilling, and compaction. RTD equipment (Dust Trak II air-monitoring stations) was deployed during these operations and recorded dust concentrations from one upwind and two downwind positions on the perimeter of the Block H work areas. RTD equipment was calibrated each morning before use.

Data were continuously downloaded to data analysis software that was programed in the device to alert field personnel via (email and text message) of 15-minute average dust concentrations. All dust readings recorded during construction were well below the Block H-specific dust action-level (five milligrams per cubic meter) specified in the dust control plan; dust suppression measures were therefore not needed. Air monitoring data are in Appendix C.

3.2 HEALTH AND SAFETY MONITORING

All employees complied with the requirements of the federal Occupational Safety and Health Administration (29 *Code of Federal Regulations* [CFR] 1910 and 29 CFR 1926). All employees involved in intrusive fieldwork were 40-hour hazardous waste operations and emergency response (HAZWOPER)-certified, eight-hour annual-refresher certified, and had current medical clearance.

Safety meetings were held before the start of each workday. All field personnel reviewed and signed a site-safety briefing form before beginning any work on site. Hazard-analysis worksheets were prepared as part of the site-specific HASP and were reviewed by all personnel before each new task.

Section 4
Remedial Action Implementation

This section details the soil remedial activities that were completed in Block H of the Middle River Complex in May 2015.

4.1 ASPHALT REMOVAL

Soil excavation area limits were surveyed by a licensed Maryland land surveyor, as described in the *100% Soil Remedial Action Design for Blocks D, D Panhandle, F, G, and H* (Tetra Tech Inc. [Tetra Tech], 2015b). Asphalt within excavation areas A and B was saw-cut and removed using a backhoe. Asphalt was moved from Block H with a front-end loader and stockpiled in Block G to await recycling at an off-site Lockheed Martin Corporation (Lockheed Martin)-approved facility.

4.2 IMPACTED SOIL EXCAVATION

Impacted soil was excavated from excavation areas A and B to a depth of two feet below ground surface using a hydraulic excavator. On May 20–21, the impacted soil was directly loaded into 17 tri-axle dump trucks for transport to and recycling at the Soil Safe, Inc. facility in Brandywine, Maryland. Excavated soil was visually inspected to ensure it was similar to the previously identified conditions. Shipping documentation accompanied each truckload (see Appendix D). Approximately 396 tons of Block H soil was transported to the recycling facility.

4.3 VERIFICATION SAMPLING

Once excavation had been completed in an area, verification sidewall-samples were collected at a minimum frequency of one sample per 100-feet of sidewall. These samples were collected to determine if additional lateral excavation would be required. Four composite verification sidewall-samples were collected around each excavation area in Block H.

Verification samples at the base of the excavations were also collected, at a minimum frequency of one sample per 625-square feet of excavation bottom. Three verification base-samples were collected from excavation area A, and two verification base-samples were collected from excavation area B (Figure 4-1). Verification base-samples were collected for informational purposes only, and were not used to determine whether additional vertical excavation would be required. Verification samples were analyzed for polycyclic aromatic hydrocarbons (PAHs) by United States Environmental Protection Agency (USEPA) Method 8270D.

Each verification sidewall-sample result was directly compared to the benzo[a]pyrene equivalent (BaPEq) remedial goal (RG) of 2,900 micrograms per kilogram. The following criteria were used to determine if additional excavation would be required:

- if the maximum detected confirmation sidewall-sample concentration in an excavation area exceeded twice the block-specific RG
- if two or more sampling results per excavation area exceeded the block-specific RG (only one sampling result per excavation area could exceed the block-specific RG, but must be less than twice the block-specific RG)
- if the arithmetic-mean concentration for the confirmation samples exceeded the block-specific RG

Following these criteria, additional excavation was not required in Block H. Figure 4-2 depicts the sampling results of each verification sidewall-sample. Verification sampling results are also listed in Tables 4-1 and 4-2 for excavation areas A and B, respectively. Copies of the verification sampling logs and chain of custody forms are in Appendix E. Laboratory reports are in Appendix F.

4.4 RESIDUAL-RISK ANALYSIS

A post-excavation residual-risk analysis (RRA) calculated the final Block H cancer and noncancer risk to industrial workers following soil removal to determine if the Block H remedial action objective (RAO) had been achieved. The post-excavation RRA data set consists of data from the verification sidewall-samples, along with historical surface-soil data (at 0–2 foot depth) for all locations that were not excavated. Backfill material was analyzed before being delivered to the site, in accordance with the *100% Soil Remedial Action Design for Blocks D, D Panhandle, F, G, and H* (Tetra Tech, 2015b), and was approved for use. Chemical concentrations in excavated samples were replaced in the RRA calculation with the concentrations of chemicals in the backfill material. Verification base samples were considered subsurface soil because they were collected

at the bottom of the two-foot excavation area, and thus were inaccessible to industrial workers (i.e., an incomplete exposure pathway). Appendix G includes a technical memorandum with details regarding the RRA and associated calculations. The following paragraphs summarize the post-excavation RRA.

The RRA first identified chemicals of potential concern (COPC) to be evaluated in the RRA by comparing the maximum detected chemical concentrations in the post-excavation database to current USEPA regional screening levels (RSLs). Chemicals detected at concentrations exceeding screening levels were retained in the RRA for quantitative evaluation. Chemicals retained as COPC in the 2012 HHRA were also retained in the RRA as COPC so that the pre-excavation soil-risk estimates could be compared to the post-excavation soil-risk estimates.

The exposure assessment assumptions used in the RRA are those presented in the USEPA Office of Solid Waste and Emergency Response Directive 9200.1–120, *Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors* (USEPA, 2014). Exposure-point concentrations were calculated using the current version of USEPA's *Pro-UCL* software (Version 5.0.00). The toxicity criteria (e.g., cancer slope-factors, reference doses) used to estimate cancer and noncancer risks are from the June 2015 RSL table published by USEPA. The equations used to calculate receptor intake and risk are the same as those used in the original baseline human health risk assessment prepared for Block H. The RRA concluded that BaPEq concentrations in remaining Block H soil do not exceed a lifetime cancer risk of 1×10^{-5} for industrial workers exposed to BaPEq via ingestion, dermal contact, and inhalation; thus, the remediation effort meets the Block H RAO.

4.5 SOIL BACKFILL AND COMPACTION TESTING

Excavation areas were backfilled and final surfaces were graded to match existing grades. Material similar in grain size to the removed soil and obtained from an off-site borrow source (Aggregate Transport Corporation in Hanover, Maryland) was used as fill. Fill material was analyzed before being delivered to the site, in accordance with the *100% Soil Remedial Action Design for Blocks D, D Panhandle, F, G, and H* (Tetra Tech, 2015b), and was approved for use. Analytical data for the borrow-source sample is in Appendix H.

Backfill in the Block H excavation areas consisted of approximately 13 inches of No. 2 stone covered with a geotextile, followed by approximately six-inches of compacted crushed stone

(CR-6). Backfill materials were placed via excavator and dozer and compacted with a single-drum soil compactor or mechanical tamper, depending on the size and depth of the excavation. In-place compaction testing was done via nuclear moisture-density methods during backfill placement. Compaction-test data are in Appendix H. Final restoration, including paving, is discussed in Section 6.

Table 4-1

Summary of Soil Verification Samples - Block H Area A
Block H Construction Completion Report
Lockheed Martin Corporation Middle River Complex
Middle River, Maryland

NSAMPLE LAB ID SAMPLE DATE DUPLICATE SAMPLE	PRG	H-VB-A-1-2 240-51073-5 05/20/2015 --	H-VB-A-2-2 240-51073-6 05/20/2015 --	H-VB-A-3-2 240-51073-7 05/20/2015 --	H-VS-A-1-1 240-51073-1 05/20/2015 --	H-VS-A-2-1 240-51073-2 05/20/2015 --	H-DUP01 240-51073-8 05/20/2015 H-VS-A-2-1	H-VS-A-3-1 240-51073-3 05/20/2015 --	H-VS-A-4-1 240-51073-4 05/20/2015 --
PAH (UG/KG)									
ACENAPHTHYLENE	NA[4]	0.41 U	0.42 U	0.43 U	0.42 U	0.42 U	4.9 J	0.44 U	0.43 U
ANTHRACENE	NA[4]	0.92 U	0.93 U	14	0.93 U	0.93 U	10	0.98 U	0.95 U
BENZO(A)PYRENE EQUIVALENTS 1/2 NON-DETECT[1]	2,900	0.76 U	0.77 U	82	0.77 U	74	167	40	42
BENZO(A)PYRENE EQUIVALENTS POSITIVE RESULTS[2]	2,900	0.76 U	0.77 U	82	0.77 U	74	167	39	42
BENZO(A)ANTHRACENE	NA[3]	0.75 U	0.75 U	60	0.75 U	21 J	57 J	17	22
BENZO(A)PYRENE	NA[3]	0.76 U	0.77 U	55	0.77 U	52 J	120 J	32	34
BENZO(B)FLUORANTHENE	NA[3]	0.7 U	0.71 U	66	0.71 U	39 J	93 J	33	30
BENZO(G,H,I)PERYLENE	NA[4]	0.41 U	0.42 U	48	0.42 U	54 J	130 J	34	32
BENZO(K)FLUORANTHENE	NA[3]	0.8 U	0.81 U	22	0.81 U	33 J	70 J	14	22
CHRYSENE	NA[3]	1.3 U	1.3 U	75	1.3 U	35 J	76 J	23	33
DIBENZO(A,H)ANTHRACENE	NA[3]	0.78 U	0.79 U	11	0.79 U	12 J	22 J	0.83 U	0.8 U
FLUORANTHENE	NA[4]	4.5 J	0.66 U	110	0.66 U	19 J	55 J	15	25
INDENO(1,2,3-CD)PYRENE	NA[3]	0.41 U	0.42 U	36	0.42 U	36 J	89 J	22	23
PHENANTHRENE	NA[4]	0.86 U	0.87 U	110	0.87 U	5.2 J	20	7.8 J	12
PYRENE	NA(4)	6.6 J	0.53 U	160	4.6 J	52 J	140 J	39	58

Notes:

No results exceed the PRG.

[1] Calculated using one-half the detection limit for non-detected results.

[2] Calculated using a value of zero for non-detected results.

[3] cPAHs have been used in calculating the benzo(a)pyrene equivalents and therefore are not screened against the PRG.

[4] Non-cancer hazard was acceptable for industrial workers in the Block H HHRA; therefore no PRGs were necessary for non-carcinogenic PAHs.

U: Non-detect

J: Estimated result

PRG: preliminary remedial goal

--: No Duplicate collected

Table 4-2
Summary of Soil Verification Samples - Block H Area B
Block H Construction Completion Report
Lockheed Martin Corporation Middle River Complex
Middle River, Maryland

SAMPLE NAME LAB ID SAMPLE DATE DUPLICATE SAMPLE	RG	H-VB-B-1-2 240-51061-5 05/21/2015 --	H-VB-B-2-2 240-51061-6 05/21/2015 --	H-VS-B-1-1 240-51061-1 05/20/2015 --	H-VS-B-2-1 240-51061-2 05/20/2015 --	H-VS-B-3-1 240-51061-4 05/21/2015 --	H-VS-B-4-1 240-51061-3 05/20/2015 --
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
ANTHRACENE	NA[4]	0.96 U	0.95 U	0.86 U	4.4 J	0.88 U	0.9 U
BENZO(A)PYRENE EQUIVALENTS-1/2 NON-DETECT[1]	2,900	0.79 U	1.3	0.71 U	27	0.72 U	0.85
BENZO(A)PYRENE EQUIVALENTS-POSITIVE RESULTS[2]	2,900	0.79 U	0.45	0.71 U	27	0.72 U	0.0038
BENZO(A)ANTHRACENE	NA[3]	0.78 U	4.5 J	0.7 U	15	0.71 U	0.73 U
BENZO(A)PYRENE	NA[3]	0.79 U	0.78 U	0.71 U	22	0.72 U	0.74 U
BENZO(B)FLUORANTHENE	NA[3]	0.73 U	0.72 U	0.65 U	21	0.67 U	0.68 U
BENZO(G,H,I)PERYLENE	NA[4]	0.43 U	0.42 U	0.39 U	17	0.4 U	0.4 U
BENZO(K)FLUORANTHENE	NA[3]	0.84 U	0.83 U	0.75 U	8.3	0.77 U	0.78 U
CHRYSENE	NA[3]	1.4 U	1.3 U	1.2 U	21	1.2 U	3.8 J
DIBENZ(A,H)ANTHRACENE	NA[3]	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA[4]	0.68 U	5.7 J	0.61 U	24	4.3 J	5.1 J
INDENO(1,2,3-CD)PYRENE	NA[3]	0.43 U	0.42 U	0.39 U	13	0.4 U	0.4 U
PHENANTHRENE	NA[4]	0.9 U	4.9 J	0.81 U	11	0.82 U	6.3 J
PYRENE	NA[4]	4.7 J	9.2	0.49 U	42	6.4 J	7.9

Notes:

No results exceed the RG.

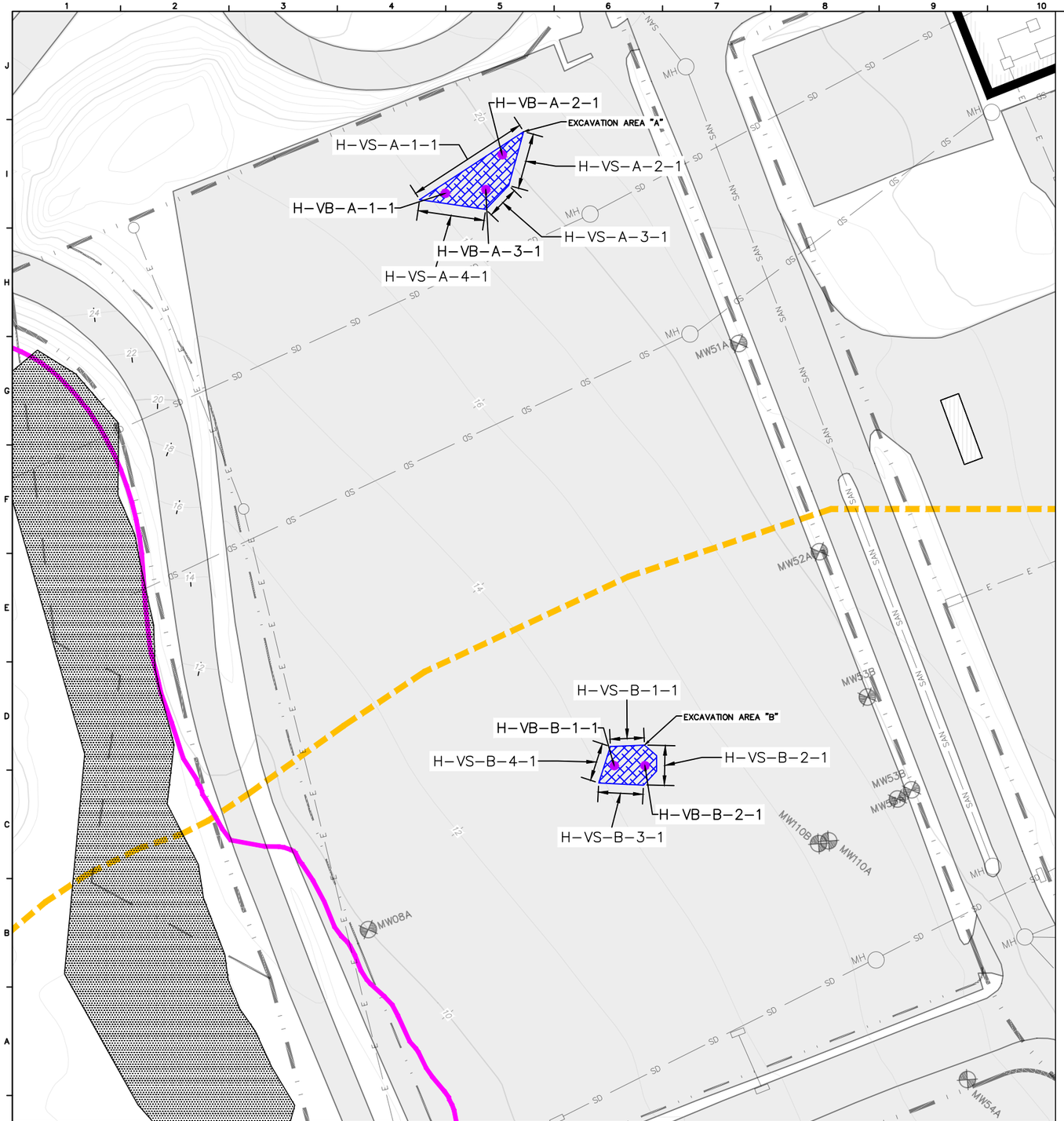
[1] Calculated using one-half the detection limit for non-detected results.

[2] Calculated using a value of zero for non-detected results.

[3] cPAHs have been used in calculating the benzo(a)pyrene equivalents and therefore are not screened against the PRG.

[4] Non-cancer hazard was acceptable for industrial workers in the Block H HHRA; therefore no PRGs were necessary for non-carcinogenic PAHs.

NA: Not applicable
U: Non-detect
J: Estimated result
RG: remedial goal
--: no duplicate sample collected



LEGEND:

- VERIFICATION SIDEWALL SAMPLE LOCATION
- VERIFICATION BASE SAMPLE LOCATION
- EXCAVATION BOUNDARY 2-FOOT DEPTH
- DELINEATED WETLAND AREA
- ASPHALT PAVEMENT
- CONTOUR LINE
- BLOCK BOUNDARY
- CRITICAL AREA LINE
- 100-FT FLOOD PLAIN LINE
- SD — STORM DRAIN
- SAN — SANITARY SEWER
- MH — MANHOLE
- MW — MONITORING WELL

GENERAL NOTES:
1. EXCAVATION BOUNDARIES BASED ON 100% SOIL REMEDIAL ACTION DESIGN (TETRA TECH INC., 2015)
2. SIDEWALL VERIFICATION SAMPLES WERE COLLECTED EVERY 100-FEET.
3. BASE VERIFICATION SAMPLES WERE COLLECTED EVERY 625 SQUARE FOOT.

TETRA TECH
www.tetratech.com
20251 CENTURY BLVD
GERMANTOWN, MD 20874
T: (301) 528-5552 | F: (301) 528-3000

STATE OF MARYLAND — SCOTT A. SANDER — No. 29015 — PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX

SOIL REMEDIAL ACTION
VERIFICATION SAMPLING LOCATIONS
BLOCK H

DATE:	10/02/2015
PROJECT NO.:	112IC07483
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	1 OF 1

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FIGURE 4-1

K:\CADD\MRC\112IC07483\Construction Completion\AS BUILT FIGURES.dwg IVANNA.GOLDSBERRY 10/2/2015 10:36:25 AM

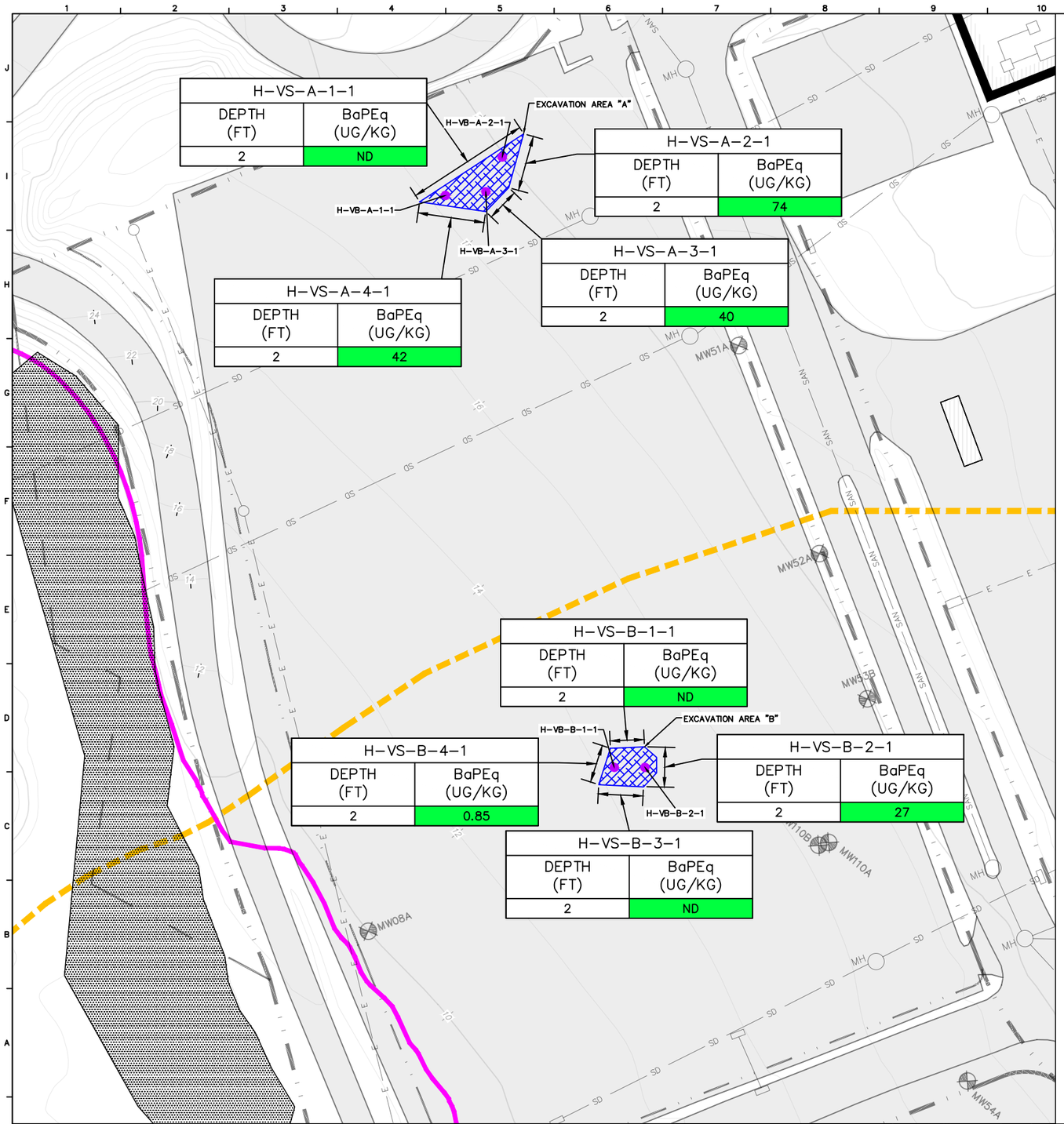


TABLE NOTES:

BELOW 2,900 UG/KG (SOIL PRELIMINARY REMEDIAL GOAL)

BaPEq – BENZO[A]PYRENE EQUIVALENT

FT – FEET

UG/KG – MICROGRAMS PER KILOGRAM

ND – NON-DETECT

VS – VERIFICATION SIDEWALL

LEGEND:

- VERIFICATION BASE SAMPLE
- EXCAVATION BOUNDARY 2-FOOT DEPTH
- DELINEATED WETLAND AREA
- ASPHALT PAVEMENT
- CONTOUR LINE
- BLOCK BOUNDARY
- CRITICAL AREA LINE
- 100-FT FLOOD PLAIN LINE
- SD — STORM DRAIN
- SAN — SANITARY SEWER
- MH — MANHOLE
- MW — MONITORING WELL

GENERAL NOTES:

1. EXCAVATION BOUNDARIES BASED ON 100% SOIL REMEDIAL ACTION DESIGN (TETRA TECH INC., 2015)
2. SIDEWALL VERIFICATION SAMPLES WERE COLLECTED EVERY 100-FEET.
3. SAMPLES WERE ANALYZED FOR POLYCYCLIC AROMATIC HYDROCARBONS BY UNITED STATES ENVIRONMENTAL PROTECTION AGENCY SW-846 METHOD 8270.

TETRA TECH
www.tetratech.com
20251 CENTURY BLVD
GERMANTOWN, MD 20874
T: (301) 528-5552 | F: (301) 528-3000

STATE OF MARYLAND — SCOTT I. KARP — No. 29015 — PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX

SOIL REMEDIAL ACTION
VERIFICATION SIDEWALL SAMPLING RESULTS
BLOCK H

DATE:	10/02/2015
PROJECT NO.:	112IC07483
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	1 OF 1

COPYRIGHT TETRA TECH INC.

FIGURE 4-2

K:\CADD\MRC\112IC07483\Construction Completion\AS BUILT FIGURES.dwg IVANNA.GOLDSBERRY 10/2/2015 10:36:25 AM

Section 5
Transportation and Disposal

Transportation and disposal (recycling) for the Block H soil remedial action included the following waste streams:

- benzo[a]pyrene-equivalent (BaPEq)-impacted soil
- asphalt
- general refuse

5.1 IMPACTED SOIL

Waste characterization samples were collected from each excavation area before soil removal at a frequency of one sample per 1,000 tons, as directed by the disposal facility; therefore, one sample was collected from each removal area. All samples were collected and analyzed for total petroleum-hydrocarbon gasoline-range and diesel-range organics by United States Environmental Protection Agency (USEPA) SW-846 Method 8015/9017B, for volatile organic compounds by USEPA SW-846 Method 8260, for polychlorinated biphenyls by USEPA SW-846 Method 8082, and for toxicity characteristic leaching procedure metals by USEPA SW-846 Method 1311/6010, in accordance with recycling facility requirements. Sampling results indicated that all batches were suitable for recycling at Soil Safe. Copies of the laboratory reports are in Appendix F.

Upon receipt of the sampling results, Profile W5-4001 was prepared to support the requested disposal-facility acceptance of the BaPEq-impacted soil. Profile W5-4001, which included transportation provided by the disposal facility, was submitted, and approved by the disposal facility in May 2015. Copies of the waste profile and approval sheet are in Appendix D.

Impacted soil was loaded into tri-axle dump trucks for transport to Soil Safe, Inc., in Brandywine, Maryland. Each truck had appropriate licensing, registration, and placarding, and was tarped and inspected before and after loading to ensure that it was in suitable condition for road transport. A uniform shipping-manifest was completed for each load. Seventeen dump-truck loads of impacted soil were sent to the recycling facility for the Block H remediation. Approximately 396 tons were

transported to Soil Safe, with an average truck carrying 23 tons. A predefined truck-traffic route was established in the means-and-methods work plan to minimize inconvenience to the public, while ensuring safe conditions for roadway users (including pedestrians and bicyclists) and personnel in work zones.

5.2 ASPHALT

Approximately 93 cubic yards of asphalt were removed from the Block H excavation areas. The asphalt was stockpiled in Block G and covered with plastic sheeting. The asphalt was transported off-site for recycling at P. Flanigan & Sons, Baltimore, Maryland on October 1, 2015.

5.3 GENERAL REFUSE

General refuse generated during the project was collected in a dumpster that was emptied as necessary and disposed of at the local municipal-waste landfill. Dumpster service was provided by Waste Management of Maryland, Inc.

Section 6
Decontamination, Site Restoration, and Demobilization

The following sections detail the final construction activities, which include decontamination, site restoration, and demobilization.

6.1 DECONTAMINATION

Equipment that contacted impacted soil was decontaminated before being removed from Block H. Equipment that required decontamination included one excavator bucket, a rubber-tire loader-bucket, and a holding tank for water. Decontamination consisted of removing residual soil from equipment-contact surfaces through a combination of scraping, rinsing, and scrubbing. Decontamination pads were built to capture decontamination water. That water was stored in frac tanks before being transported off-site for disposal. The wash and rinse water was disposed at Clean Harbors, Inc. in Baltimore, Maryland.

6.2 SITE RESTORATION

The Block H excavation areas were paved to match pre-existing conditions following backfill and compaction (as described in Section 4.3). The base course underlying the bituminous-concrete pavement consisted of crusher-run aggregate (CR-6) that meets the grading and physical property requirements of the Maryland State Highway Administration (MDSHA)Standard Specifications for Construction and Materials Section 901.01, Tables 901A and 901B(MDSHA, 2008). The bituminous-concrete base-course consists of a minimum two inches of hot-mix asphalt Superpave, 19mm, PG 64 22, Level 2 meeting MDSHA specification (Section 901.01, Tables 901C and 901D and Sections 904.01, 904.02, and 904.04) (MDSHA, 2008). The bituminous-concrete surface-course was constructed in accordance with MDSHA CM Sections 504.03.01 through 504.03.14

(MDSHA, 2008). Parking stripes were painted in the Block H excavation areas after the newly paved asphalt had cured.

6.3 DEMOBILIZATION

Temporary fences, equipment, and personnel were demobilized from Block H as tasks were completed and services no longer required. Final demobilization occurred after the parking stripes were painted on June 25, 2015. The project trailer and general refuse dumpster remain in Block G and will be used during soil remedial-action activities in other tax blocks.

Section 7
References

1. Maryland State Highway Administration (MDSHA), 2008. *Standard Specifications for Construction and Materials*, Maryland State Highway Administration, 2008.

2. Tetra Tech, Inc. (Tetra Tech), 2012. *Human Health Risk Assessment for Blocks D, E, F, G, and H Soils, Lockheed Martin Middle River Complex, Middle River, Maryland.* Report prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin Corporation, Bethesda, Maryland. September.

3. Tetra Tech, Inc. (Tetra Tech), 2013. *Block H Remedial Action Plan. Lockheed Martin Middle River Complex, Middle River, Maryland*. Report prepared for Lockheed Martin Corporation, Bethesda, Maryland by Tetra Tech, Inc., Germantown, Maryland. November.

4. Tetra Tech, Inc. (Tetra Tech), 2014. *Remedial Action Plan Addendum: Blocks D, D Panhandle, F, G, and H Design-Investigation Soil-Sampling Report. Lockheed Martin Middle River Complex, Middle River, Maryland*. Report prepared for Lockheed Martin Corporation, Bethesda, Maryland by Tetra Tech, Inc., Germantown, Maryland. August.

5. Tetra Tech, Inc. (Tetra Tech), 2015a. *Block H Soil Remedial Action Plan Addendum 2: Remedial Action Objective and Project Implementation Schedule, Lockheed Martin Middle River Complex, Middle River, Maryland*. Report prepared for Lockheed Martin Corporation, Bethesda, Maryland by Tetra Tech, Inc., Germantown, Maryland. August.

6. Tetra Tech, Inc. (Tetra Tech), 2015b. *100% Soil Remedial Action Design for Blocks D, D Panhandle, F, G and H, Lockheed Martin Middle River Complex, Middle River, Maryland*. Report prepared for Lockheed Martin Corporation, Bethesda, Maryland by Tetra Tech, Inc., Germantown, Maryland. January.

7. United States Environmental Protection Agency (USEPA), 2014. D. Stalcup, *Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors*. Office of Superfund Remediation and Technology Innovation, Tech. Memo. OSWERDIR9285603, February.

APPENDIX A—DAILY REPORTS

TETRA TECH, INC.

DAILY CONSTRUCTION REPORT
Middle River Complex
Soil Remediation Blocks D, D Panhandle, F, G, and H

Duration of Site Activities

Date:	May 11, 2015	Start Work at:	6:50 AM	Depart Site at:	5:30 PM

Weather Conditions

Temperature (°F):	70 to 80	Skies:	Overcast	Wind:	Light	Precipitation:	Light Rain

Weather Comments:

Summary of Work/Major Activities

1. Remobilize to site, mobilize additional supplies to site.
2. Renew one call dig permit.
3. ACF Supply delivers material for installation of erosion and sediment controls.
4. Site Specific Health and Safety Training, Lockheed Martin EHS Training, Tom and Jeremy Vernotzy.
5. Met with Jim Brendell (Baltimore County Soil Conservation District). Reviewed erosion and sediment control documents.
6. Hertz Equipment Rental delivers trac-hoe, bobcat, PC-200lc Komatsu excavator and gator.
7. Renew One Call dig notification (15243316-old ticket), new ticket # 15280549, expires May 28th.

Personnel On-Site

Name:	Company:
Jim Ferguson	Tetra Tech, Inc.
Josh Mullis	Tetra Tech, Inc.
Larry Macher	Elite Environmental
Ben King	Elite Environmental
Mike Munzert	ACF Supply, Inc.
Gary Norris	Elite Environmental
Tom Vernotzy	Elite Environmental
Jeremy Vernotzy	Elite Environmental
Jim Brendell	Baltimore Co. SCD
Ivanna Goldsberry	Tetra Tech, Inc.
Michael Martin	Tetra Tech Inc.

Health & Safety Topics or Issues

Completed site specific health and safety training with Elite Env. employees Jeremy and Tom Vernotzy. Also completed Lockheed-Martin Contractor Safety training. Reviewed equipment operation safety, emergency notification procedures, hand signals and general safe work practices.

QC Procedures/Inspections/Testing to be Performed Today

None.

Planned Week Schedule

1. Remobilize to site.
2. Meet with Baltimore County Soil Conservation District representative.
3. Begin installation of erosion and sediment controls in Block G and fencing in Bock H.
4. Saw cut Excavation areas A and B within Block H.
4. Pull back fencing along Cow Pen Creek to allow for installation of super silt fence near the UST Area.

Photos of Select Daily Activities



Comments: Bob-cat mini-excavator and ditch-witch attachment. Ditch-witch attachment will be utilized for installation of silt fencing.

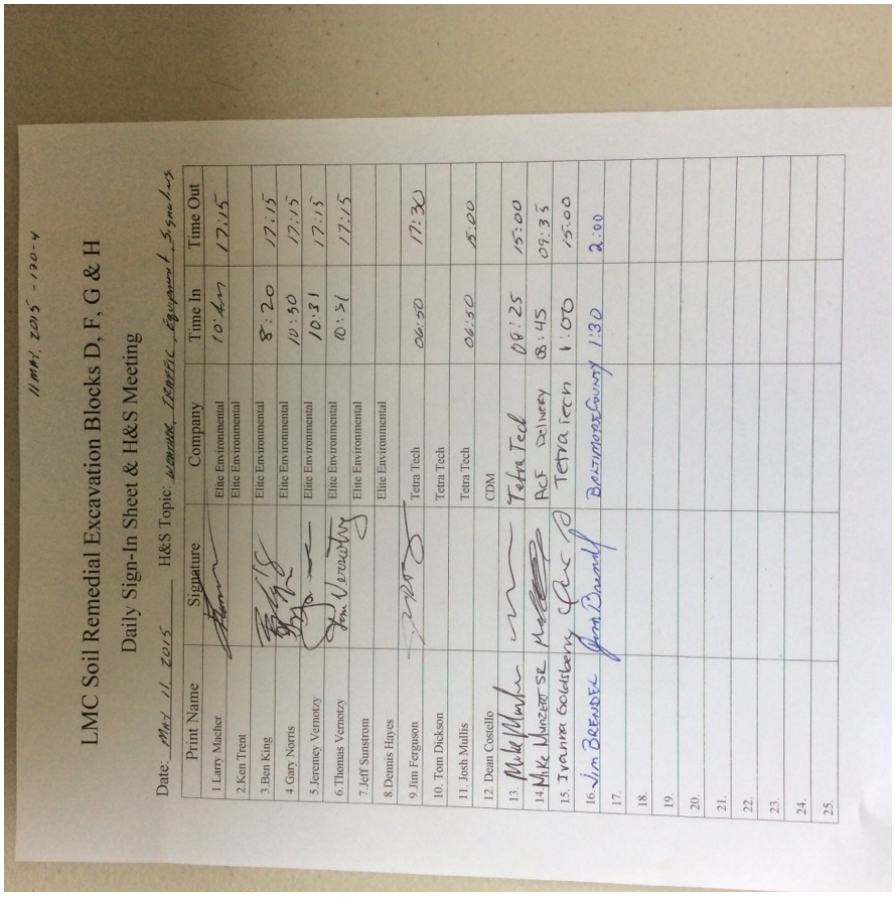


Comments: Komatsu Ecavator and Bob-cat skid steer.

Photos of Select Daily Activities (continued)



Comments: Silt fence and super-silt fence materials delivered by ACF Supply.



LMC Soil Remedial Excavation Blocks D, F, G & H

Daily Sign-In Sheet & H&S Meeting

Date: May 11, 2015 H&S Topic: Hazards, Hearing, Eyewear, Sunglasses

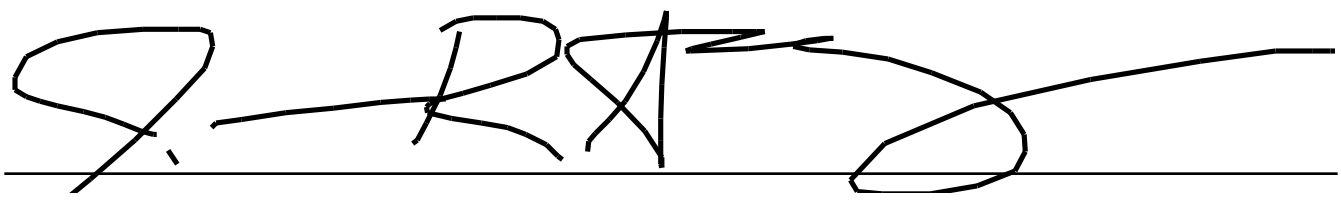
Print Name	Signature	Company	Time In	Time Out
1. Larry Macher		Elite Environmental	10:45	17:15
2. Ken Trent		Elite Environmental		
3. Ben King		Elite Environmental	8:20	17:15
4. Gary Norris		Elite Environmental	10:30	17:15
5. Jeremey Vernotzy		Elite Environmental	10:31	17:15
6. Thomas Vernotzy		Elite Environmental	10:31	17:15
7. Jeff Sunstrom		Elite Environmental		
8. Dennis Hayes		Elite Environmental		
9. Jim Ferguson		Tetra Tech	06:30	17:30
10. Tom Dickson		Tetra Tech		
11. Josh Mullis		Tetra Tech	06:30	15:00
12. Dean Costello		CDM		
13. Mike Mentzer		Tetra Tech	09:25	15:00
14. Mike Vuncier SR		ACF Delivery	08:45	09:35
15. Tyanna Goldberg		Tetra Tech	1:00	15:00
16. Jim Brewer		Baltimore County	1:30	2:00
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				

Comments: 5/11/15 sign in sheet.

Safety Sign-In Sheet

Construction Manager

Submitted by:



TETRA TECH, INC.

DAILY CONSTRUCTION REPORT
Middle River Complex
Soil Remediation Blocks D, D Panhandle, F, G, and H

Duration of Site Activities

Date:	May 12, 2015	Start Work at:	6:50 AM	Depart Site at:	

Weather Conditions

Temperature (°F):	70 to 80	Skies:	Partly Cloudy	Wind:	Light	Precipitation:	None

Weather Comments: Humid.

Summary of Work/Major Activities

1. Tailgate safety meeting, discussed heat related issues, equipment checks, ditch-witch operations /safety, hand dig when approaching utilities during silt fence installation, equipment safety zones / swing radii, and communications (visual and portable radios).
2. Silt fence installation (north to south) across Block G. (Ditch-witch, bobcat mini-excavator).
3. Clearing of heavier brush in Block G excavation areas H and I. (Komatsu Excavator)
4. Silt fence installation approaching Bock G excavation areas H and I was complicated by multiple layers of asphalt, Elite had to excavate approximately 1.5' to get through asphalt.
5. Cones were placed in Block H to channel traffic away from saw it locations.

Personnel On-Site

Name:	Company:
Jim Ferguson	Tetra Tech
Larry Macher	Elite Environmental
Gary Norris	Elite Environmental
Ben King	Elite Environmental
Tom Vernotzy	Elite Environmental
Jeremy Vernotzy	Elite Environmental

Health & Safety Topics or Issues

Equipment swing radii, heat related issues, ditch-witch operation / safety, communications (hand signals and radios),

QC Procedures/Inspections/Testing to be Performed Today

Verify depth of trenching for silt fence installation

Planned Week Schedule

Install erosion and sediment controls in Block G.
Continue clearing of heavier brush in Block G excavation ares H and I.
Roll back fence along cow pen creek to allow for installation so super silt fence.

Photos of Select Daily Activities



Comments: Installation os silt fence across Block G. View looking south.



Comments: Silt fence installed in Block G (looking north), Block H in the background.

Photos of Select Daily Activities (continued)

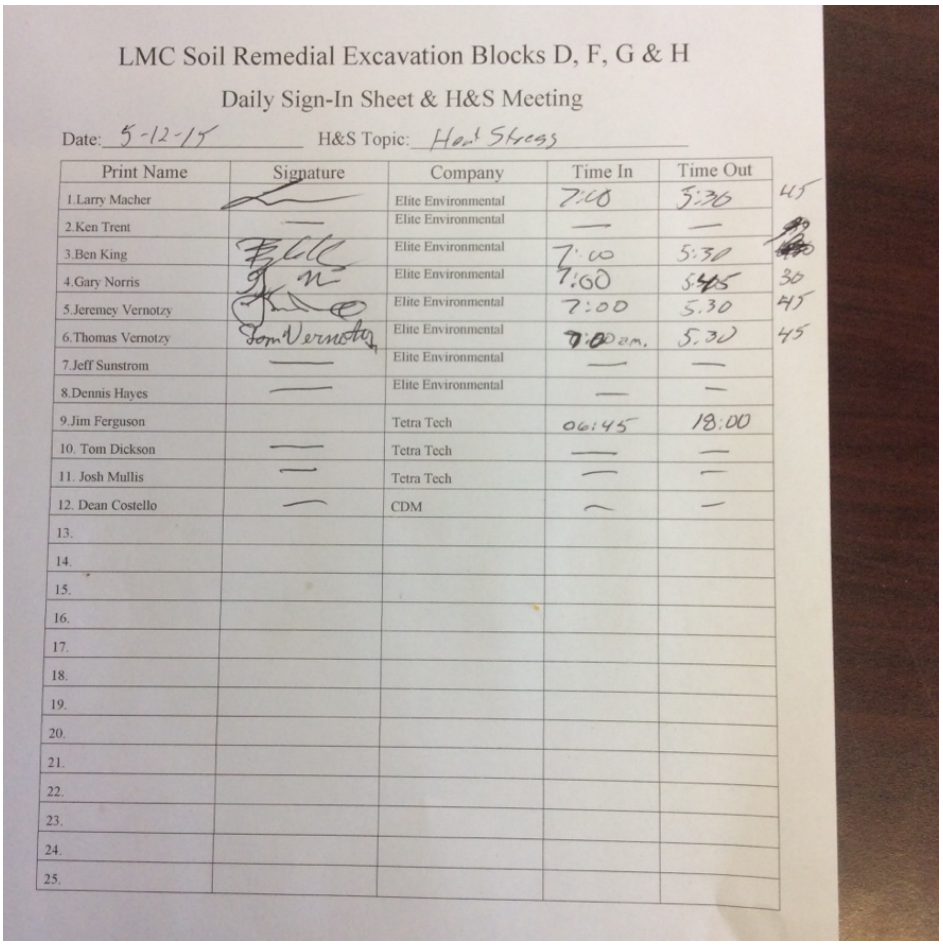


Comments: Bob-cat skid steer with trenching (ditch-witch) attachment cutting surgical materials for silt fence installation.



Comments: Komatsu excavator clearing heavy brush in Block G UST area.

Safety Sign-In Sheet



LMC Soil Remedial Excavation Blocks D, F, G & H

Daily Sign-In Sheet & H&S Meeting

Date: 5-12-15 H&S Topic: Heat Stress

Print Name	Signature	Company	Time In	Time Out	
1.Larry Macher		Elite Environmental	7:00	5:30	45
2.Ken Trent	—	Elite Environmental	—	—	
3.Ben King		Elite Environmental	7:00	5:30	
4.Gary Norris		Elite Environmental	7:00	5:45	30
5.Jeremey Vernotzy		Elite Environmental	7:00	5:30	45
6.Thomas Vernotzy	Tom Vernotzy	Elite Environmental	7:00 am.	5:30	45
7.Jeff Sunstrom	—	Elite Environmental	—	—	
8.Dennis Hayes	—	Elite Environmental	—	—	
9.Jim Ferguson		Tetra Tech	06:45	18:00	
10. Tom Dickson	—	Tetra Tech	—	—	
11. Josh Mullis	—	Tetra Tech	—	—	
12. Dean Costello	—	CDM	—	—	
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25.					

Construction Manager

Submitted by:

TETRA TECH, INC.

DAILY CONSTRUCTION REPORT
Middle River Complex
Soil Remediation Blocks D, D Panhandle, F, G, and H

Duration of Site Activities

Date:	May 13, 2015	Start Work at:	6:22 AM	Depart Site at:	6:00 PM

Weather Conditions

Temperature (°F):	60 to 70	Skies:	Partly Cloudy	Wind:	Moderate	Precipitation:	None

Weather Comments: Overcast, breezy and cool.

Summary of Work/Major Activities

1. Tailgate safety meeting, discussed scope of work, traffic controls, emergency signaling, reviewed Site communications plan and equipment inspection documentation.
2. Erect fencing around Block H excavation areas A and B.
3. Hertz Equipment mechanic onsite to perform routine equipment maintenance checks and to install fire extinguishers on Bobcat mini-excavator and skid steer.
Mason Inc. on Site to move Con-Ex trailer to location behind office trailer in Block G.
4. Install public information signage adjacent to existing information circular boxes.
5. AV Burke LLC (surveyor) on Site to re-establish excavation corners in Block G areas where clearing and grubbing obscured previous markings. Additional tasks included layout of excavation areas in Blocks D and F so waste characterization sampling could be performed in addition to Utility clearance prior to mobilizing into those areas.
6. Complete silt fence installation in Block G and begin super silt fence installation in Block G.

Personnel On-Site

Name:	Company:
Jim Ferguson	Tetra Tech
Scott Nesbit	Tetra Tech
Michael Martin	Tetra Tech
Fred Kolberg	Tetra Tech
Larry Macher	Elite Environmental
Ben King	Elite Environmental
Gary Norris	Elite Environmental
Jeremy Vernotzy	Elite Environmental
Tom Vernotzy	Elite Environmental
Vince Burke	AV Burke LLC
Vinnie Burke	AV Burke LLC
Bryan Sczepanski	Hertz Equipment
Mark Ramsauop	Mason Inc.

Health & Safety Topics or Issues

Traffic control, site communication plans, equipment inspection, emergency alert signals.

QC Procedures/Inspections/Testing to be Performed Today

1. Monitor silt fence and super silt fence installation as per Erosion and sediment control plan sheets C-15 and C-16.
2. Need to verify location of super silt diversion fence on the extreme east side of Block G. AV Burke Surveyor has LOD marked off LM property on North American Electrics property.
3. Need to clarify excavation procedures for Block G Area J since storm water drainage ditch transepts the southeast corner of the subject area.

Planned Week Schedule

1. Install erosion and sediment controls in Block G.
2. Continue clearing brush in Block G, prep excavation areas H and I.
3. Roll back fence along Cow Pen Creek to allow installation of super silt fence.
4. Install temporary fencing in Block H around excavation areas A and B.
5. Surveyors locate excavation areas in Block F in preparation of utility location by Enviroscan also for waste characterization sampling.

Photos of Select Daily Activities



Comments: Temporary fencing installed in Block G Excavation Area B. Similar fencing installed around Block H excavation Area A.



Comments: Installation of super silt fence on east side of Block G excavation area H. Cow Pen Creek visible behind excavator.

Photos of Select Daily Activities (continued)

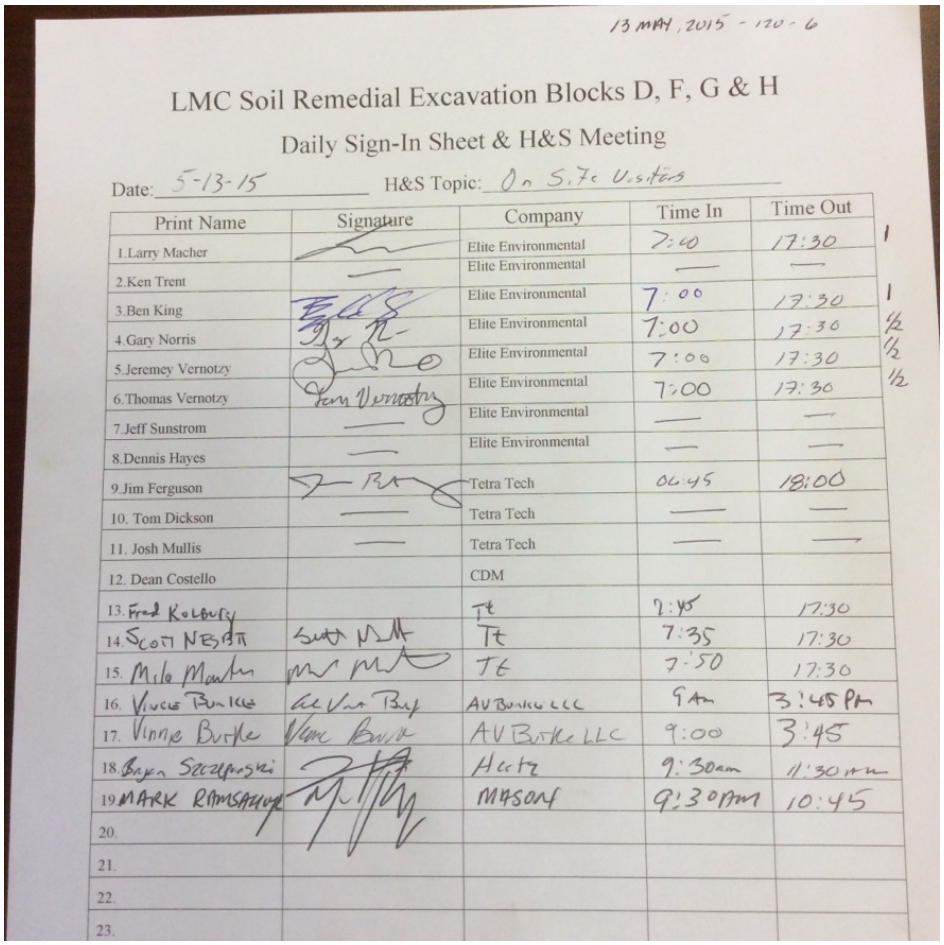


Comments: View looking south at Block G excavation area J. Storm water ditch transecting the eastern side of the excavation area.



Comments: View looking south at stakes delineating the location of the super silt diversion fence. Location of SSD fence crosses on to North American Electric property.

Safety Sign-In Sheet



13 MAY, 2015 - 120 - 6

LMC Soil Remedial Excavation Blocks D, F, G & H

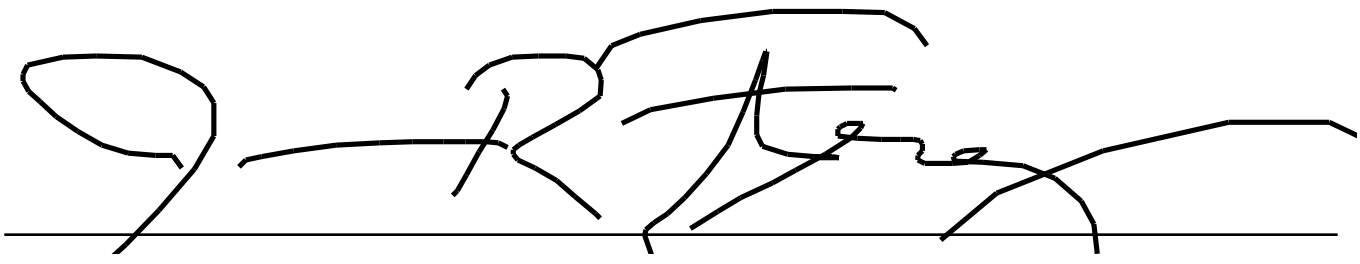
Daily Sign-In Sheet & H&S Meeting

Date: 5-13-15 H&S Topic: On Site Visitors

Print Name	Signature	Company	Time In	Time Out	
1.Larry Macher		Elite Environmental	7:40	17:30	1
2.Ken Trent	—	Elite Environmental	—	—	
3.Ben King		Elite Environmental	7:00	17:30	1
4.Gary Norris		Elite Environmental	7:00	17:30	½
5.Jeremey Vernotzy		Elite Environmental	7:00	17:30	½
6.Thomas Vernotzy	Tom Vernotzy	Elite Environmental	7:00	17:30	½
7.Jeff Sunstrom	—	Elite Environmental	—	—	
8.Dennis Hayes	—	Elite Environmental	—	—	
9.Jim Ferguson		Tetra Tech	06:45	18:00	
10. Tom Dickson	—	Tetra Tech	—	—	
11. Josh Mullis	—	Tetra Tech	—	—	
12. Dean Costello		CDM			
13. Fred Kolbury		Tt	7:45	17:30	
14. Scott Nesbit		Tt	7:35	17:30	
15. Mike Mantin		Tt	7:50	17:30	
16. Vince Burke		AV Burke LLC	9 Am	3:45 PM	
17. Vinnie Burke		AV Burke LLC	9:00	3:45	
18. Bryan Szczepanski		Hertz	9:30am	11:30 am	
19. MARK RAMSAUER		MASON	9:30pm	10:45	
20.					
21.					
22.					
23.					

Construction Manager

Submitted by:



TETRA TECH, INC.

DAILY CONSTRUCTION REPORT
Middle River Complex
Soil Remediation Blocks D, D Panhandle, F, G, and H

Duration of Site Activities

Date:	May 14, 2015	Start Work at:	6:50 AM	Depart Site at:	6:00 PM

Weather Conditions

Temperature (°F):	60 to 70	Skies:	Partly Cloudy	Wind:	None	Precipitation:	None

Weather Comments: Cool

Summary of Work/Major Activities

1. Complete installation of super silt fence in Block G Areas H, I, J, and the UST area.
2. Saw cut asphalt pavement in Block H Areas A and B.
3. Met with L. Macher and S. Nesbit to discuss plans moving forward. Toured site to observe progress with silt fence installation.
4. Trained additional Elite employees (Greene/ Sunstrom) who came for Lockheed Martin Contractor Training and Site Specific Health and Safety Training.
5. Met with M. Martin regarding waste disposal manifest signature authority approvals for Site personnel.

Personnel On-Site

Name:		Company:	
Name:	Jim Ferguson	Company:	Tetra Tech
Name:	Scott Nesbit	Company:	Tetra Tech
Name:	Larry Macher	Company:	Elite Environmental
Name:	Ben King	Company:	Elite Environmental
Name:	Jeremy Vernotzy	Company:	Elite Environmental
Name:	Tom Vernotzy	Company:	Elite Environmental
Name:	William Soho	Company:	B and J Construction
Name:	Gary Norris	Company:	Elite Environmental
Name:	Joe Greene	Company:	Elite Environmental
Name:	Jeff Sunstrom	Company:	Elite Environmental
Name:		Company:	
Name:		Company:	
Name:		Company:	
Name:		Company:	

Health & Safety Topics or Issues

General equipment safety checks, traffic awareness and controls, sun effects and ultraviolet radiation (sunburn).

QC Procedures/Inspections/Testing to be Performed Today

Super silt fence installation QA/QC.

Planned Week Schedule

-Install erosion and sediment controls in Block G.
-Continue brush clearing in Block G, prep excavation Areas H and I.
-Roll back fence along Cow Pen Creek to allow installation of super silt fence.
-Install temporary fencing in Block H around Areas A and B.
-Surveyors locate excavation areas in Block F in preparation of utility location by Enviroscan also for waste characterization sampling.
-Saw cut asphalt in Block H Areas A and B.

Photos of Select Daily Activities



Comments: Saw cutting asphalt in Block H Area B.



Comments: Super silt fence installation along the north shore of Cow Pen Creek (Block G, Area J and UST area. Worker clipping geotextile to steel fencing.

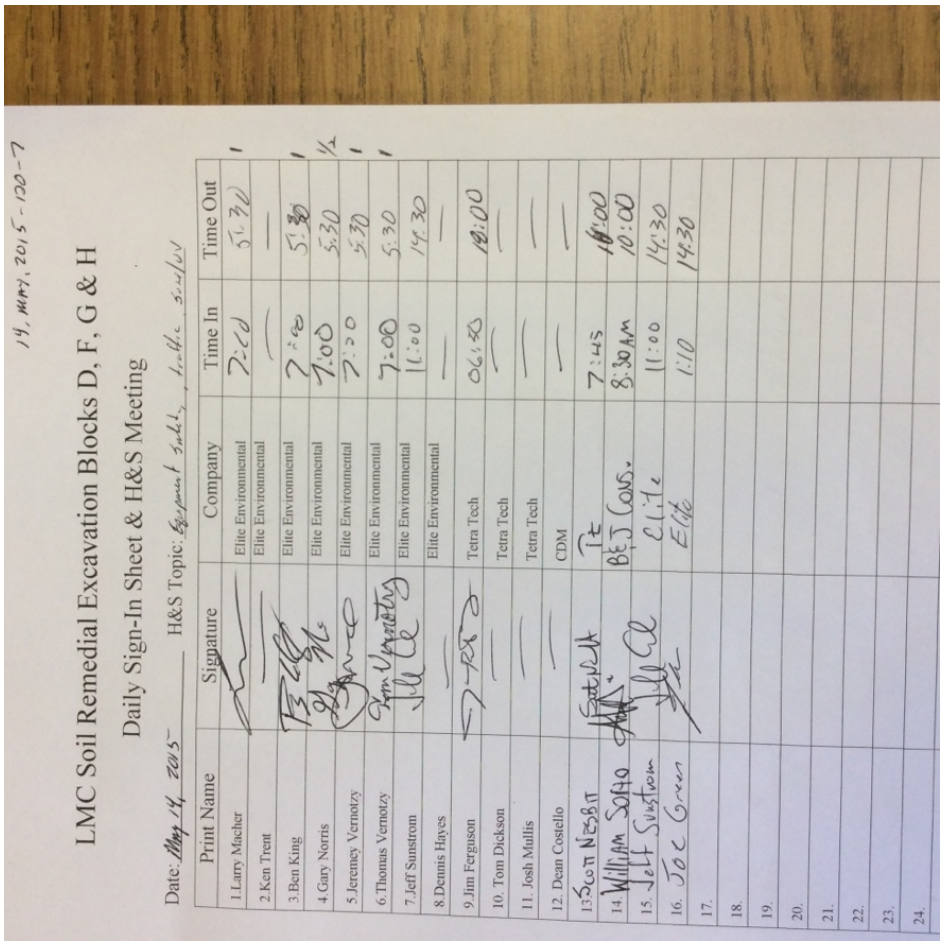
Photos of Select Daily Activities (continued)



Comments: Improvised slide hammer for installing super silt fence on east side of Block G in the vicinity of North American Electric.

Comments:

Safety Sign-In Sheet



14, MAY, 2015 - 130-7

LMC Soil Remedial Excavation Blocks D, F, G & H

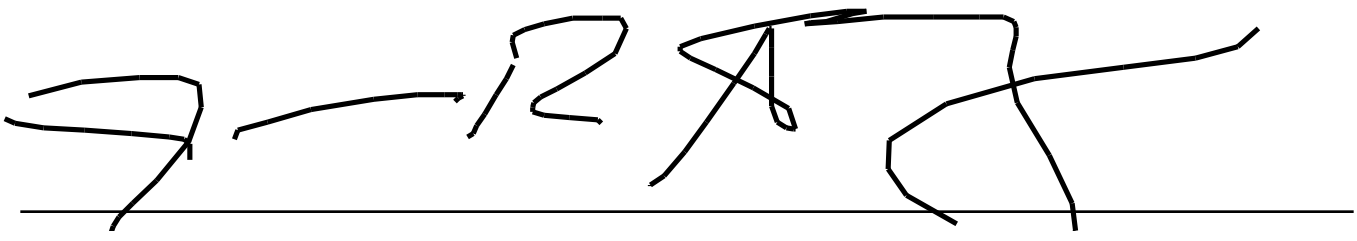
Daily Sign-In Sheet & H&S Meeting

Date: May 14 2015 H&S Topic: Equipment Safety, Traffic, Strikes

Print Name	Signature	Company	Time In	Time Out	
1. Larry Macher		Elite Environmental	7:20	5:30	1
2. Ken Trent		Elite Environmental	—	—	
3. Ben King		Elite Environmental	7:00	5:30	1
4. Gary Norris		Elite Environmental	7:00	5:30	1/2
5. Jeremey Vernotzy		Elite Environmental	7:00	5:30	1
6. Thomas Vernotzy		Elite Environmental	7:00	5:30	1
7. Jeff Sunstrom		Elite Environmental	11:00	14:30	
8. Dennis Hayes		Elite Environmental	—	—	
9. Jim Ferguson		Tetra Tech	06:50	10:00	
10. Tom Dickson		Tetra Tech	—	—	
11. Josh Mullis		Tetra Tech	—	—	
12. Dean Costello		CDM	—	—	
13. Scott Nesbit		Fe	7:45	10:00	
14. William Soho		B&J Cons.	8:30 AM	10:00	
15. Jeff Sunstrom		Elite	11:00	14:30	
16. Joe Green		Elite	1:10	14:30	
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Construction Manager

Submitted by:



TETRA TECH, INC.

DAILY CONSTRUCTION REPORT
Middle River Complex
Soil Remediation Blocks D, D Panhandle, F, G, and H

Duration of Site Activities

Date:	May 18, 2015	Start Work at:	7:00 AM	Depart Site at:	6:00 PM

Weather Conditions

Temperature (°F):	70 to 80	Skies:	Mostly Cloudy	Wind:	Light	Precipitation:	Other (explain)

Weather Comments: Thunderstorms moving through area.

Summary of Work/Major Activities

1. Elite Environmental crews worked on installation of super silt diversion fence in the east corner of Block G.
2. Kyle Trent (Elite Environmental) onsite for training. He will go to Concentrate for a physical prior to completing Site Specific and Lockheed Martin Contractor Training.
3. AV Burke LLC (surveyor) on site to verify limits of excavation in Block H areas 1 and 2.
4. Surveyors will also locate excavation areas in Block D to facilitate waste profile sampling to be performed later in the week.
5. Tetra Tech staff set up air monitoring equipment in the Eastern portion of Block G in the UST area where E and S controls are being installed.
6. Suspended work from 13:21 to 13:51 due to thunderstorm moving through the area.
7. Jeff Meadows on site to meet with Ken Trent regarding installation of temporary asphalt berm.
8. AV Burke LLC completes location of Block D excavation areas A, B, C, E, F and F1 before departing Site for evening.

Personnel On-Site

Name:	Company:
Jim Ferguson	Tetra Tech
Josh Mullis	Tetra Tech
Larry Macher	Elite Environmental
Ken Trent	Elite Environmental
Ben King	Elite Environmental
Gary Norris	Elite Environmental
Kyle Trent	Elite Environmental
Jeremy Vernotzy	Elite Environmental
Tom Vernotzy	Elite Environmental
Vince Burke	AV Burke LLC
Vinnie Burke	AV Burke LLC
Jeff Meadows	Meadows Paving

Health & Safety Topics or Issues

1. Anticipate pop up thunderstorms throughout the day. Reviewed work stoppage criteria.
2. Equipment operation and signaling to operators.
3. Weather (heat related issues). Reminded personnel to take frequent water breaks due to heat and humidity conditions today.

QC Procedures/Inspections/Testing to be Performed Today

1. Verify super silt diversion fence installation.

Planned Week Schedule

1. Super silt diversion fence installation in Block G.
2. Surveyors to layout excavation Areas in Block D.
3. Complete waste excavation, confirmation sampling, and backfill placement within Areas A and B of Block H.
4. Waste characterization sampling in Block F and Block D.
5. Temporary asphalt berm installation in Block G.
6. Construction entrance installation in Block G.
7. Modified rock outlet installation in Block G

Photos of Select Daily Activities



Comments: Installing steel fence portion of super silt diversion fence on the east side of Block G (View looking south).



Comments: Workers tensioning fence and securing with wire.

Photos of Select Daily Activities (continued)

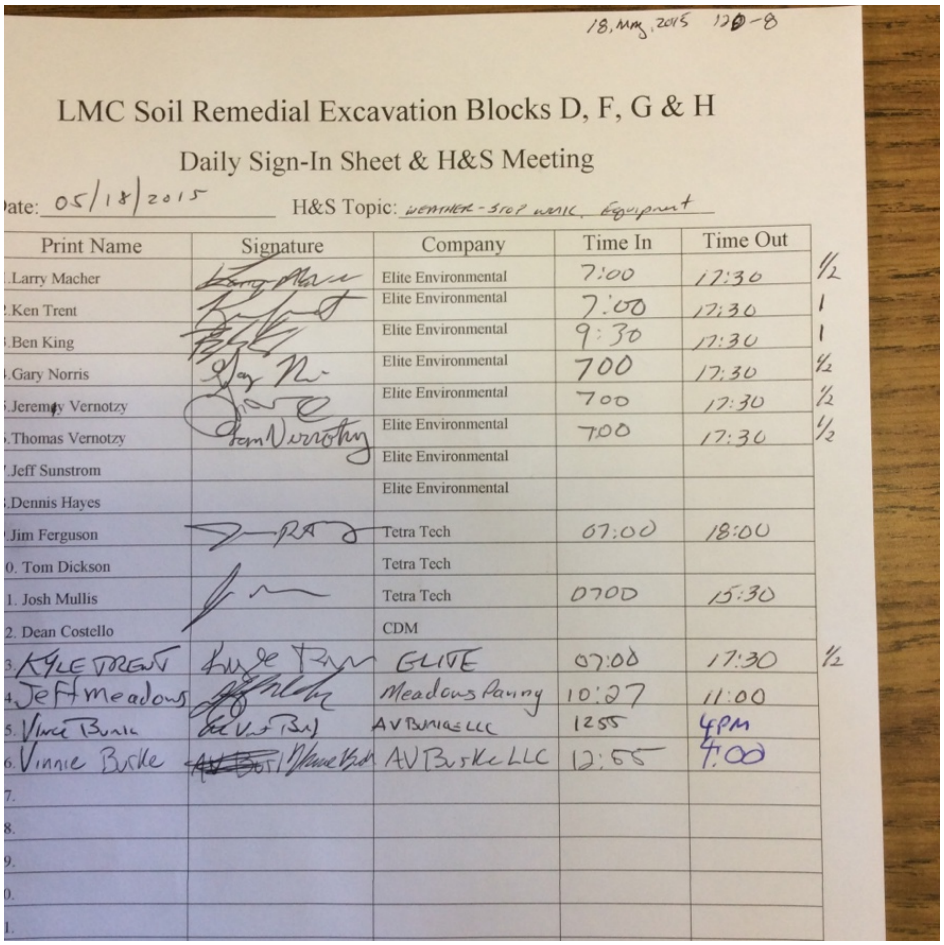


Comments: Overlap area with super silt diversion fence on left and super silt fence in southeast corner of Block G.



Comments: View of completed super silt fence in southeast corner of Block G.

Safety Sign-In Sheet



18, May, 2015 120-8

LMC Soil Remedial Excavation Blocks D, F, G & H

Daily Sign-In Sheet & H&S Meeting

Date: 05/18/2015 H&S Topic: WEATHER - STOP WORK, EQUIPMENT

Print Name	Signature	Company	Time In	Time Out	
1. Larry Macher		Elite Environmental	7:00	17:30	1/2
2. Ken Trent		Elite Environmental	7:00	17:30	1
3. Ben King		Elite Environmental	9:30	17:30	1
4. Gary Norris		Elite Environmental	700	17:30	1/2
5. Jeremy Vernotzy		Elite Environmental	700	17:30	1/2
6. Thomas Vernotzy	Tom Vernotzy	Elite Environmental	700	17:30	1/2
7. Jeff Sunstrom		Elite Environmental			
8. Dennis Hayes		Elite Environmental			
9. Jim Ferguson		Tetra Tech	07:00	18:00	
10. Tom Dickson		Tetra Tech			
11. Josh Mullis		Tetra Tech	0700	15:30	
12. Dean Costello		CDM			
13. KYLE TRENT		ELITE	07:00	17:30	1/2
14. Jeff Meadows		Meadows Paving	10:27	11:00	
15. Vince Burke		AV Burke LLC	1255	4PM	
16. Vinnie Burke	~~AV Burke~~	AV Burke LLC	12:55	4:00	
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Construction Manager

Submitted by:

TETRA TECH, INC.

DAILY CONSTRUCTION REPORT
Middle River Complex
Soil Remediation Blocks D, D Panhandle, F, G, and H

Duration of Site Activities

Date:	May 19, 2015	Start Work at:	7:00 AM	Depart Site at:	6:30 PM

Weather Conditions

Temperature (°F):	70 to 80	Skies:	Overcast	Wind:	None	Precipitation:	Light Rain

Weather Comments: Overcast, humid, intermittent rain showers.

Summary of Work/Major Activities

1. Meadows Paving crew on site to install Temporary Asphalt Berm (TAB).
2. Performed Lockheed Martin Contractors ESH briefing in addition to Site Specific Health and Safety Training for Meadows Asphalt Paving.
3. Meadows Paving installed TAB along north and west sides of Block G.
4. Complete installation of super silt diversion fence in Block G north of UST area.
5. Set up truck queue on west side of Block H.

Personnel On-Site

Name:		Company:	
Name:	Jim Ferguson	Company:	Tetra Tech
Name:	Josh Mullis	Company:	Tetra Tech
Name:	Larry Macher	Company:	Elite Environmental
Name:	Ken Trent	Company:	Elite Environmental
Name:	Ben King	Company:	Elite Environmental
Name:	Gary Norris	Company:	Elite Environmental
Name:	Kyle Trent	Company:	Elite Environmental
Name:	Jeff Sunstrom	Company:	Elite Environmental
Name:	Jeff Meadows	Company:	Meadows Paving
Name:	Greg Simmons	Company:	Meadows Paving
Name:	John Colleran	Company:	Meadows Paving
Name:	Richard Hott	Company:	Meadows Paving
Name:	Joe Greene	Company:	Elite Environmental
Name:	Brian Scezmanski	Company:	Hertz Equipment

Health & Safety Topics or Issues

1. Heat related issues, hydration and frequent breaks.
2. Equipment safety, spotters, hand signals, safe work distances and approaching strangers.
3. Use appropriate lifting techniques when moving steel fencing in place.
4. Use of appropriate PPE when installing fencing with an emphasis on hand protection.

QC Procedures/Inspections/Testing to be Performed Today

1. Inspection of super silt diversion fencing.
2. Inspection of TAB.

Planned Week Schedule

1. Installation of TAB.
2. Installation of super silt diversion fence in Block G.
3. Enviroscan to perform utility location in Block F.
4. Complete waste excavation, confirmation sampling, and backfill placement within Areas A and B of Block H.

Photos of Select Daily Activities



Comments: TAB (not compacted) installed along north side of Block G.



Comments: Compacted TAB.

Photos of Select Daily Activities (continued)

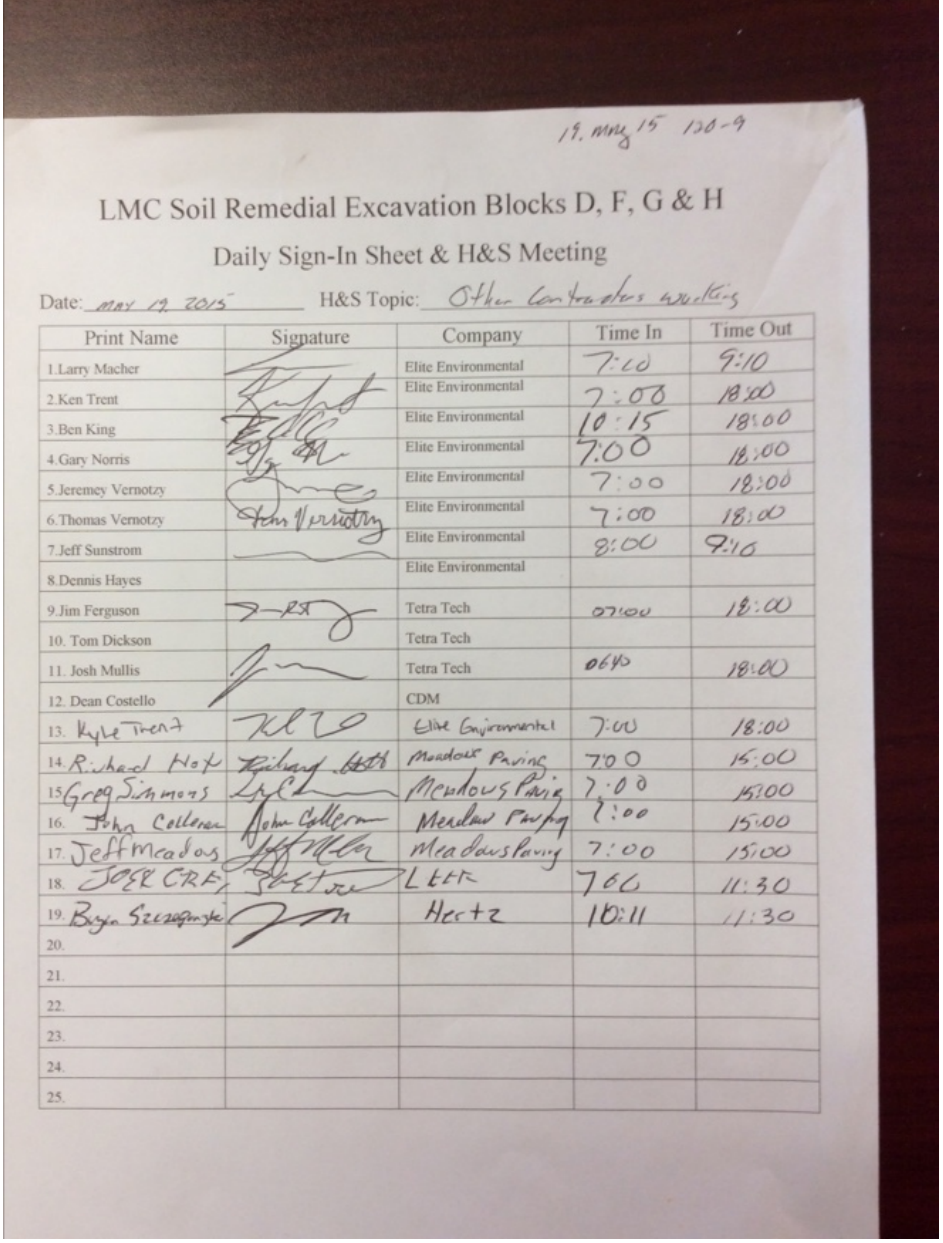


Comments: Installation of TAB near construction entrance of Block G.



Comments: Super silt Diversion fence installation on the north east side of Block G.

Safety Sign-In



19 May 15 130-9

LMC Soil Remedial Excavation Blocks D, F, G & H

Daily Sign-In Sheet & H&S Meeting

Date: May 19 2015 H&S Topic: Other Contractors working

Print Name	Signature	Company	Time In	Time Out
1.Larry Macher		Elite Environmental	7:00	9:10
2.Ken Trent		Elite Environmental	7:00	18:00
3.Ben King		Elite Environmental	10:15	18:00
4.Gary Norris		Elite Environmental	7:00	18:00
5.Jeremey Vernotzy		Elite Environmental	7:00	18:00
6.Thomas Vernotzy		Elite Environmental	7:00	18:00
7.Jeff Sunstrom		Elite Environmental	8:00	9:10
8.Dennis Hayes		Elite Environmental		
9.Jim Ferguson		Tetra Tech	07:00	18:00
10. Tom Dickson		Tetra Tech		
11. Josh Mullis		Tetra Tech	0645	18:00
12. Dean Costello		CDM		
13. Kyle Trent		Elite Environmental	7:00	18:00
14. Richard Hoyt		Meadows Paving	7:00	15:00
15 Greg Simmons		Meadows Paving	7:00	15:00
16. John Colleran		Meadows Paving	7:00	15:00
17. Jeff Meadows		Meadows Paving	7:00	15:00
18. JOSE CRE		L tte	706	11:30
19. Bryan Szczepanski		Hertz	10:11	11:30
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Construction Manager

Submitted by:

TETRA TECH, INC.

DAILY CONSTRUCTION REPORT
Middle River Complex
Soil Remediation Blocks D, D Panhandle, F, G, and H

Duration of Site Activities

Date:	May 20, 2015	Start Work at:	6:30 AM	Depart Site at:	6:30 PM

Weather Conditions

Temperature (°F):	70 to 80	Skies:	Partly Cloudy	Wind:	Light	Precipitation:	None

Weather Comments: Partly cloudy, winds out of the north.

Summary of Work/Major Activities

1. Tailgate safety meeting, discussed soil load out logistics, safety precautions. Discussed spotters for truck load out, cleanup around excavations and traffic control.
2. Stopped by MRC security to provide security personnel with a courtesy notification about work to be done in Block H today.
3. Additional Elite crew will be finishing super silt diversion fence on east side of Block G in addition to construction entrance at Block G.
4. Bill Steinhart of Enviroscan on site in Block F to perform geophysical survey of excavation areas.
5. Completed loadout of 14 triaxial dump trucks in Block H. Ten trucks from excavation area A and four trucks at excavation area B.
6. Verification sampling completed for Block H Area A, partially complete for Block H Area B.
7. Air monitoring completed throughout the day.

Personnel On-Site

Name:	Company:
Jim Ferguson	Tetra Tech
Tom Dickson	Tetra Tech
Scott Nesbit	Tetra Tech
Michael Martin	Tetra Tech
Josh Mullis	Tetra Tech
Ken Trent	Elite Environmental
Larry Macher	Elite Environmental
Joe Greene	Elite Environmental
Gary Norris	Elite Environmental
Jeremy Vernotzy	Elite Environmental
Tom Vernotzy	Elite Environmental
Kyle Trent	Elite Environmental
Ben King	Elite Environmental
Dean Costello / Katie Young	CDM Smith

Health & Safety Topics or Issues

1. Vehicle loadout procedures. Safety protocols for truck drivers. Spotters for trac hoe operator, trucks, and overhead utility line in Block H excavation Area B.

QC Procedures/Inspections/Testing to be Performed Today

1. Inspection of super silt diversion fence and construction entrance in Block G.
2. DUSTTRAK air monitoring stations placed around Areas A and B.
3. Verification sidewall and base sampling of Areas A and B.

Planned Week Schedule

1. Installation of TAB (completed 5/20).
2. Installation of super silt diversion fence in Block G (completed 5/20).
3. Enviroscan to perform utility clearance for excavation areas in Block F (completed 5/20), Block D, and Block D Panhandle.
4. Complete waste excavation (Area A complete 5/20).
5. Complete confirmation sampling (Area A complete 5/20).
6. Finish soil load out in Block H.
7. Survey Block H Areas A and B.
8. Complete backfill placement within Areas A and B of Block H.
8. Stage asphalt from Block H in Block G.
9. Baltimore County E and S inspection scheduled for 13:00 on 5/21 in Block G.

Photos of Select Daily Activities



Comments: Block H Excavation Area A soil loading.



Comments: Block H Excavation Area A.

Photos of Select Daily Activities (continued)

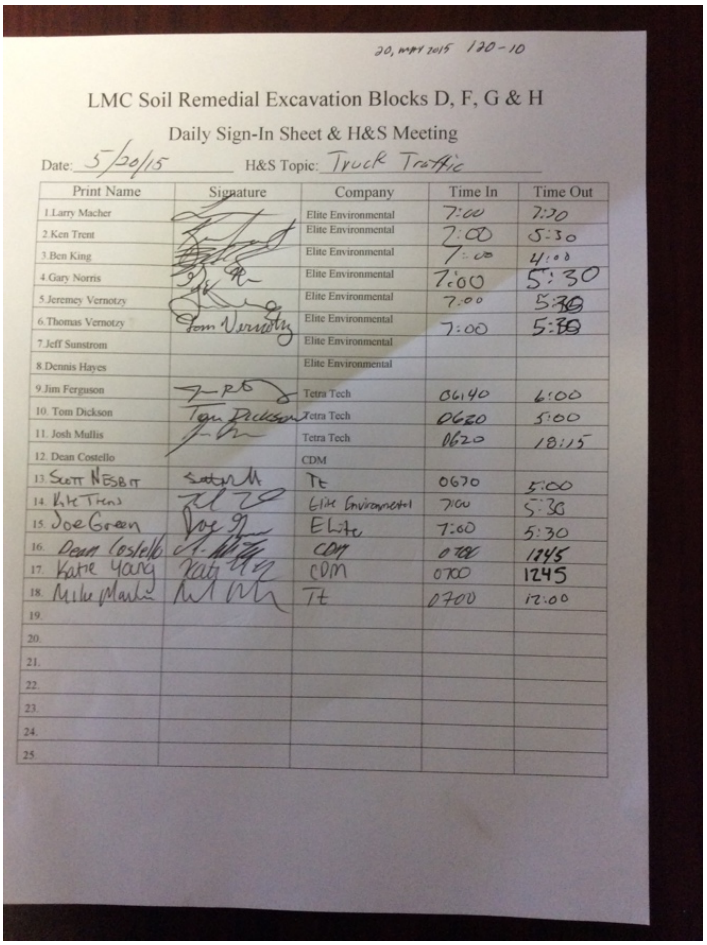


Comments: Triaxial dump truck used for offloading excavated soil.



Comments: Block H excavation Area A.

Safety Sign-In Sheet



20, MAY 2015 120-10

LMC Soil Remedial Excavation Blocks D, F, G & H

Daily Sign-In Sheet & H&S Meeting

Date: 5/20/15 H&S Topic: Truck Traffic

Print Name	Signature	Company	Time In	Time Out
1. Larry Macher		Elite Environmental	7:00	7:20
2. Ken Trent		Elite Environmental	7:00	5:30
3. Ben King		Elite Environmental	7:00	4:00
4. Gary Norris		Elite Environmental	7:00	5:30
5. Jeremey Vernotzy		Elite Environmental	7:00	5:30
6. Thomas Vernotzy	Tom Vernotzy	Elite Environmental	7:00	5:30
7. Jeff Sunstrom		Elite Environmental		
8. Dennis Hayes		Elite Environmental		
9. Jim Ferguson		Tetra Tech	0614O	6:00
10. Tom Dickson	Tom Dickson	Tetra Tech	0620	5:00
11. Josh Mullis		Tetra Tech	0620	18:15
12. Dean Costello		CDM		
13. Scott NESBIT		Tt	0670	5:00
14. Kyle Thies		Elite Environmental	700	5:30
15. Joe Green		Elite	7:00	5:30
16. Dean Costello		CDM	0700	1245
17. Katie Yaeg		CDM	0700	1245
18. Mike Mark		Tt	0700	12:00
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Construction Manager

Submitted by:

TETRA TECH, INC.

DAILY CONSTRUCTION REPORT
Middle River Complex
Soil Remediation Blocks D, D Panhandle, F, G, and H

Duration of Site Activities

Date:	May 21, 2015	Start Work at:	6:30 AM	Depart Site at:	5:00 PM

Weather Conditions

Temperature (°F):	50 to 60	Skies:	Overcast	Wind:	Moderate	Precipitation:	Light Rain

Weather Comments: Light to moderate rain from 10am through the rest of the day, some periods of heavy rain in afternoon

Summary of Work/Major Activities

1.Tailgate safety meeting, discussed soil load out logistics, safety precautions. Discussed spotters for truck load out, cleanup around excavations and traffic control. Proper PPE required when entering shallow excavations (if necessary), weather hazards due to rain.
2. Complete excavation and verification sampling of Block H Area B.
3. Three triaxial dump trucks loaded from Block H Area B excavation.
4. Block H Areas A and B excavation limits surveyed.
5. Equipment deliveries: front end loader, roller, and frac tank.
6. Use front end loader to move asphalt stockpiles from Block H Areas A and B to stockpile area inside Block G.
7. Surveyor marked excavation limits in Block D Panhandle.
8. Enviroscan completed geophysical survey of Block D and D Panhandle.
9. Air monitoring completed in Block H Area B during excavation.
10. Baltimore County inspector completed E&S inspection of Block G controls.
11. Begin to backfill Area B with crusher run 6 fill material, to be completed 5/22.
12. Place plastic liners in Areas A and B due to rain, will backfill on Friday due to rain/wet conditions interfering with compaction.

Personnel On-Site

Name:	Company:
Jim Ferguson	Tetra Tech
Josh Mullis	Tetra Tech
Ken Trent	Elite Environmental
Larry Macher	Elite Environmental
Gary Norris	Elite Environmental
Jeremy Vernotzy	Elite Environmental
Thomas Vernotzy	Elite Environmental
Jeff Sunstrom	Elite Environmental
Dennis Hayes	Elite Environmental
Joe Green	Elite Environmental
Kyle Trent	Elite Environmental
Vince Burke	AV Burke LLC
Jim Brendel	Baltimore County
Dean Costello	CDM Smith

Health & Safety Topics or Issues

1. Vehicle loadout procedures. Safety protocols for truck drivers. Spotters for trac hoe operator, trucks, and overhead utility line in Block H excavation Area B.
2. Weather hazards due to light to moderate rainfall (slips, trips, and falls), possibility for lightning (not forecasted).
3. PPE requirements involving entering shallow excavations if necessary, tyvek booties must be worn.

QC Procedures/Inspections/Testing to be Performed Today

1. Baltimore County E&S Inspection of Block G controls, inspector notes minor issues involving revegetation of areas outside the super silt diversion fence in Block G disturbed during installation, those areas will be reseeded. The inspector will reinspect on Wednesday, May 27th.
2. DUSTTRAK air monitoring stations placed around Block H Area B.
3. Verification sidewall and base sampling of Block H Area B.

Planned Week Schedule

1. Installation of TAB (completed 5/20).
2. Installation of super silt diversion fence in Block G (completed 5/20).
3. Enviroscan to perform utility clearance for excavation areas in Block F (completed 5/20), Block D and Block D Panhandle (completed 5/21).
4. Complete waste excavation (Area A completed 5/20, Area B completed 5/21).
5. Complete confirmation sampling (Area A completed 5/20, Area B completed 5/21).
6. Finish soil load out in Block H (completed 5/21).
7. Survey Block H Areas A and B (completed 5/21).
8. Complete backfill placement within Areas A and B of Block H.
8. Stage asphalt from Block H in Block G.
9. Baltimore County E&S inspection scheduled for 13:00 on 5/21 in Block G (completed 5/21).
10. Surveyors mark excavation limits in Block D and D Panhandle (completed 5/21).

Photos of Select Daily Activities



Comments: Truck being loaded with excavated soil in Block H Area B. Asphalt stockpile covered due to light rain



Comments: Surveying Block H Area A excavation

Photos of Select Daily Activities (continued)

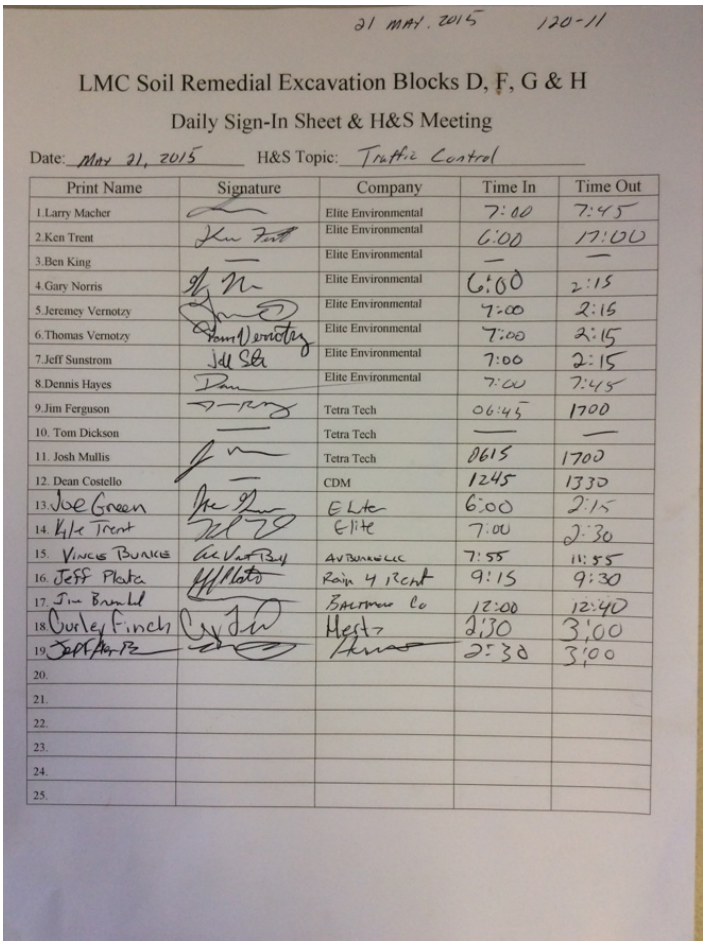


Comments: Crushed Run 6 offloaded into Block H Area B



Comments: Frac tank delivery into Block G from Rain for Rent

Safety Sign-In Sheet



21 MAY. 2015 120-11

LMC Soil Remedial Excavation Blocks D, F, G & H

Daily Sign-In Sheet & H&S Meeting

Date: May 21, 2015 H&S Topic: Traffic Control

Print Name	Signature	Company	Time In	Time Out
1. Larry Macher		Elite Environmental	7:00	7:45
2. Ken Trent		Elite Environmental	6:00	17:00
3. Ben King	—	Elite Environmental	—	—
4. Gary Norris		Elite Environmental	6:00	2:15
5. Jeremey Vernotzy		Elite Environmental	7:00	2:15
6. Thomas Vernotzy		Elite Environmental	7:00	2:15
7. Jeff Sunstrom		Elite Environmental	7:00	2:15
8. Dennis Hayes		Elite Environmental	7:00	7:45
9. Jim Ferguson		Tetra Tech	06:45	1700
10. Tom Dickson	—	Tetra Tech	—	—
11. Josh Mullis		Tetra Tech	0615	1700
12. Dean Costello	—	CDM	1245	1330
13. Joe Green		Elite	6:00	2:15
14. Kyle Trent		Elite	7:00	2:30
15. Vince Bunce		AV Bunce LLC	7:55	11:55
16. Jeff Plata		Rain 4 Rent	9:15	9:30
17. Jim Brandt		Baltimore Co	12:00	12:40
18. Durley Finch		Hest	2:30	3:00
19. Jeff Martz			2:30	3:00
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Construction Manager

TETRA TECH, INC.

DAILY CONSTRUCTION REPORT
Middle River Complex
Soil Remediation Blocks D, D Panhandle, F, G, and H

Duration of Site Activities

Date:	May 22, 2015	Start Work at:	7:00 AM	Depart Site at:	6:00 PM

Weather Conditions

Temperature (°F):	60 to 70	Skies:	Clear	Wind:	Moderate	Precipitation:	None

Weather Comments:

Summary of Work/Major Activities

1.Tailgate safety meeting, discussed backfill material dumping logistics, safety precautions. Discussed spotters for truck dumping, cleanup around excavations and traffic control. Proper PPE required when entering shallow excavations, wear rubber booties due to wet soil and potential slip hazards, 3 points of contact. Stay hydrated and wear sun block.
2. Complete relocating asphalt from Block H Area A to stockpile location in Block G.
3. Remove and roll up plastic liners placed in Areas A and B due to rain.
4. Pump out water (~200 gal) from Block H Area B and transfer to frac tank staged in Block G.
5. Delivery of smaller roller machine used to compact backfilled areas.
6. Four trucks of CR-2 dumped (Two each to Area A and Area B in Block H).
7. Ten trucks of CR-6 dumped (Nine to Area A and One to Area B in Block H).
8. Backfill Areas A and B in Block H with bottom layer of CR-2, then fabric, then CR-6 to grade. Area A requires 20 tons CR-6 to complete (to be completed 5/26). Area B completed 5/22.

Personnel On-Site

Name:		Company:	
Name:	Josh Mullis	Company:	Tetra Tech
Name:	Ken Trent	Company:	Elite Environmental
Name:	Gary Norris	Company:	Elite Environmental
Name:	Jeremy Vernotzy	Company:	Elite Environmental
Name:	Thomas Vernotzy	Company:	Elite Environmental
Name:	Jeff Sunstrom	Company:	Elite Environmental
Name:	Joe Green	Company:	Elite Environmental
Name:		Company:	
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Name:		Company:	

Health & Safety Topics or Issues

1. Vehicle dumping procedures. Safety protocols for truck drivers. Spotters for trac hoe operator, trucks, and overhead utility line in Block H excavation Area B.
2. Weather: warmer temperatures forecasted, stay hydrated and wear sun block.
3. PPE requirements involving entering shallow excavations if necessary, tyvek booties must be worn.
4. Slip, trip, fall hazards resulting from rainfall yesterday, always have three points of contact and never walk backwards, rubber booties must be worn when soil is muddy.
5. General site cleanliness, keep work area clean, place PPE in designated areas away from possible cross contamination.

QC Procedures/Inspections/Testing to be Performed Today

1. DUSTTRAK Air Monitoring stations set up for operational controls, only backfilling activities conducted.

Planned Week Schedule

1. Installation of TAB (completed 5/20).
2. Installation of super silt diversion fence in Block G (completed 5/20).
3. Enviroscan to perform utility clearance for excavation areas in Block F (completed 5/20), Block D and Block D Panhandle (completed 5/21).
4. Complete waste excavation (Area A completed 5/20, Area B completed 5/21).
5. Complete confirmation sampling (Area A completed 5/20, Area B completed 5/21).
6. Finish soil load out in Block H (completed 5/21).
7. Survey Block H Areas A and B (completed 5/21).
8. Complete backfill placement within Areas A and B of Block H (Area A to be completed week of 5/26, Area B completed 5/22).
8. Stage asphalt from Block H in Block G (completed 5/22).
9. Baltimore County E&S inspection scheduled for 13:00 on 5/21 in Block G (completed 5/21).
10. Surveyors mark excavation limits in Block D and D Panhandle (completed 5/21).

Planned Activities for week of 5/26
1. Minor fixes to E&S controls in Block G (revegetation of area around SSDF).
2. Completion of backfill placement in Block H Area A.
3. Installation of silt fence in Block F.
4. Baltimore County inspection of E&S in Block G scheduled for 1100 on 5/27.
5. Begin excavation in Block G (tentative start date Thursday 5/28).

Photos of Select Daily Activities



Comments: CR-2 dumped into Block H Area B for backfilling.



Comments: CR-2 dumped into Block H Area A for backfilling.

Photos of Select Daily Activities (continued)

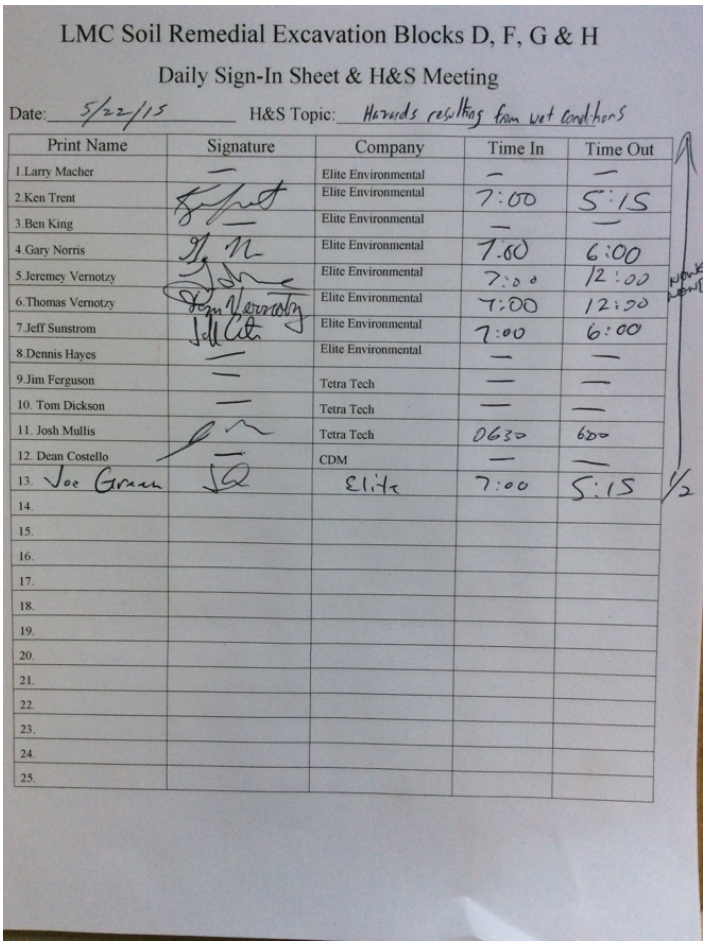


Comments: Block H Area A backfilled with CR-6 to grade.



Comments: Block H Area B backfilled with CR-6 to grade.

Safety Sign-In Sheet



LMC Soil Remedial Excavation Blocks D, F, G & H

Daily Sign-In Sheet & H&S Meeting

Date: 5/22/15 H&S Topic: Hazards resulting from wet conditions

Print Name	Signature	Company	Time In	Time Out
1.Larry Macher	—	Elite Environmental	—	—
2.Ken Trent		Elite Environmental	7:00	5:15
3.Ben King	—	Elite Environmental	—	—
4.Gary Norris		Elite Environmental	7.00	6:00
5.Jeremey Vernotzy		Elite Environmental	7:00	12:00
6.Thomas Vernotzy		Elite Environmental	7:00	12:30
7.Jeff Sunstrom		Elite Environmental	7:00	6:00
8.Dennis Hayes	—	Elite Environmental	—	—
9.Jim Ferguson	—	Tetra Tech	—	—
10. Tom Dickson	—	Tetra Tech	—	—
11. Josh Mullis		Tetra Tech	0630	600
12. Dean Costello	—	CDM	—	—
13. Joe Green		Elite	7:00	5:15
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Construction Manager

TETRA TECH, INC.

DAILY CONSTRUCTION REPORT
Middle River Complex
Soil Remediation Blocks D, D Panhandle, F, G, and H

Duration of Site Activities

Date:	May 26, 2015	Start Work at:	7:00 AM	Depart Site at:	6:00 PM

Weather Conditions

Temperature (°F):	70 to 80	Skies:	Clear	Wind:	Moderate	Precipitation:	None

Weather Comments:

Summary of Work/Major Activities

1.Tailgate safety meeting, discussed backfill material dumping logistics, safety precautions. Discussed spotters for truck dumping, cleanup around excavations and traffic control. Stay hydrated and wear sun block due to higher temps.
2. Complete installation of construction entrance into Block G.
3. Two trucks of CR-6 dumped in Block H Area A to complete backfilling.
4. Complete laying grass seed and curl-x on edge of super silt diversion fence (SSDF) in Block G.
5. Begin installation of posts for super silt fence in Block F.

Personnel On-Site

Name:		Company:	
Name:	Josh Mullis	Company:	Tetra Tech
Name:	Jim Ferguson	Company:	Tetra Tech
Name:	Tom Dickson	Company:	Tetra Tech
Name:	Larry Macher	Company:	Elite Environmental
Name:	Gary Norris	Company:	Elite Environmental
Name:	Ben King	Company:	Elite Environmental
Name:	Kyle Trent	Company:	Elite Environmental
Name:	Jeremy Vernotzy	Company:	Elite Environmental
Name:	Thomas Vernotzy	Company:	Elite Environmental
Name:		Company:	
Name:		Company:	
Name:		Company:	
Name:		Company:	
Name:		Company:	

Health & Safety Topics or Issues

1. Vehicle dumping procedures. Safety protocols for truck drivers. Spotters for trac hoe operator, trucks, and overhead utility line in Block H excavation Area B.
2. Weather: warmer temperatures forecasted, stay hydrated and wear sun block.

QC Procedures/Inspections/Testing to be Performed Today

1. DUSTTRAK Air Monitoring stations set up for operational controls, only backfilling activities conducted in Block H.

Planned Week Schedule

1. Install construction entrance in Block G (completed 5/26).
2. Minor fixes to E&S controls in Block G (revegetation of area around SSDF, completed 5/26).
3. Completion of backfill in Block H Area A (completed 5/26), followed by compaction testing in Block H Areas A and B.
4. Installation of silt fence in Block F.
5. Baltimore County inspection of E&S controls in Block G scheduled for 1100 on 5/27.
6. Begin excavation in Block G (tentative start date Thursday 5/28).
7. Asphalt restoration in Block H Areas A and B.

Photos of Select Daily Activities



Comments: Completed construction entrance in Block G.



Comments: Block H Area A backfilled with CR-6 to grade.

Photos of Select Daily Activities (continued)



Comments: Curl-x and grass seed on edge of SSDF in Block G installed.



Comments: Post installation for super silt fence in Block F.

Safety Sign-In Sheet



LMC Soil Remedial Excavation Blocks D, F, G & H

Daily Sign-In Sheet & H&S Meeting

Date: 5/26/15 H&S Topic: Heat Stress, Equipment Safety

Print Name	Signature	Company	Time In	Time Out
1. Larry Macher		Elite Environmental	7:00	5:30
2. Ken Trent	—	Elite Environmental	—	—
3. Ben King		Elite Environmental	7:00	5:30
4. Gary Norris		Elite Environmental	7:00	5:30
5. Jeremey Vernotzy		Elite Environmental	7:00	5:30
6. Thomas Vernotzy	Tom Vernotzy	Elite Environmental	7:00	5:30
7. Jeff Sunstrom	—	Elite Environmental	—	—
8. Dennis Hayes	—	Elite Environmental	—	—
9. Jim Ferguson		Tetra Tech	07:00	17:45
10. Tom Dickson	Tom Dickson	Tetra Tech	1300	1805
11. Josh Mullis		Tetra Tech	0620	1740
12. Dean Costello	—	CDM	—	—
13. Kyle Trent		Elite	7:00	5:30
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Construction Manager

TETRA TECH, INC.

DAILY CONSTRUCTION REPORT
Middle River Complex
Soil Remediation Blocks D, D Panhandle, F, G, and H

Duration of Site Activities

Date:	May 27, 2015	Start Work at:	7:00 AM	Depart Site at:	5:40 PM

Weather Conditions

Temperature (°F):	70 to 80	Skies:	Few Clouds	Wind:	Moderate	Precipitation:	Other (explain)

Weather Comments: Heavy rain start @1630, last 30 mins, no lightning.

Summary of Work/Major Activities

1. Tailgate safety meeting, discussed safety hazards resulting from silt fence installation including pinch points, lifting heavy objects, operator and on the ground personnel safety. Fire extinguisher refresher information and possible thunderstorms in the afternoon also covered.
2. Continue to install super silt fence (SSF) and super silt diversion fence (SSDF) in Block F.
3. Minor brush clearing required for SSF installation in southwest corner of Block F.
4. Complete compaction testing in Block H Areas A and B.
5. Baltimore County E&S inspection by Jim Brendel, minor fixes that were addressed have been approved, work may start in Block G.
6. Air monitoring completed in Block F during silt fence installation activities.

Personnel On-Site

Name:	Company:
Josh Mullis	Tetra Tech
Scott Nesbit	Tetra Tech
Tom Dickson	Tetra Tech
Jim Ferguson	Tetra Tech
Larry Macher	Elite Environmental
Ben King	Elite Environmental
Gary Norris	Elite Environmental
Jeremy Vernotzy	Elite Environmental
Thomas Vernotzy	Elite Environmental
Jeff Sunstrom	Elite Environmental
Kyle Trent	Elite Environmental
Leroy Marshall	Hillis Cornes
Alicia Rodrian/Paul Myers	Tetra Tech
Laura Burbage	CDM Smith

Health & Safety Topics or Issues

1. Slips, trips, and falls related to materials/objects on the ground (fence posts, shallow trench) on ground.
2. Fire extinguisher refresher (how to use, how to classify).
3. Pinch points involved with metal fencing and stapling geotextile.
4. Operator safety in heavy machinery and on the ground safety when in heavy machinery (use spotters, blind spots).
5. Be proactive and vigilant on the safety front.
6. Weather: warmer temperatures, possible thunderstorms in the afternoon, stay hydrated and wear sun block.

QC Procedures/Inspections/Testing to be Performed Today

1. DUSTTRAK Air Monitoring stations set up in Block F during super silt fence installation.
2. Compaction testing of backfill completed and passed in Block H Areas A and B.
3. Approval from Baltimore County E&S Inspector Jim Brendell to start work in Block G.

Planned Week Schedule

1. Install construction entrance in Block G (completed 5/26).
2. Minor fixes to E&S controls in Block G (revegetation of area around SSDF, completed 5/26).
3. Completion of backfill in Block H Area A (completed 5/26), followed by compaction testing in Block H Areas A and B (completed 5/27).
4. Installation of silt fence in Block F.
5. Baltimore County inspection of E&S controls in Block G scheduled for 1100 on 5/27 (completed and approved 5/27).
6. Begin excavation in Block G (tentative start date Monday 6/1).
7. Asphalt restoration in Block H Areas A and B.
8. Waste characterization sampling in Block F, D, and D Panhandle (scheduled for 5/29).

Photos of Select Daily Activities



Comments: Compaction testing performed in Block H Area B.



Comments: Super silt diversion fence installed in Block F.

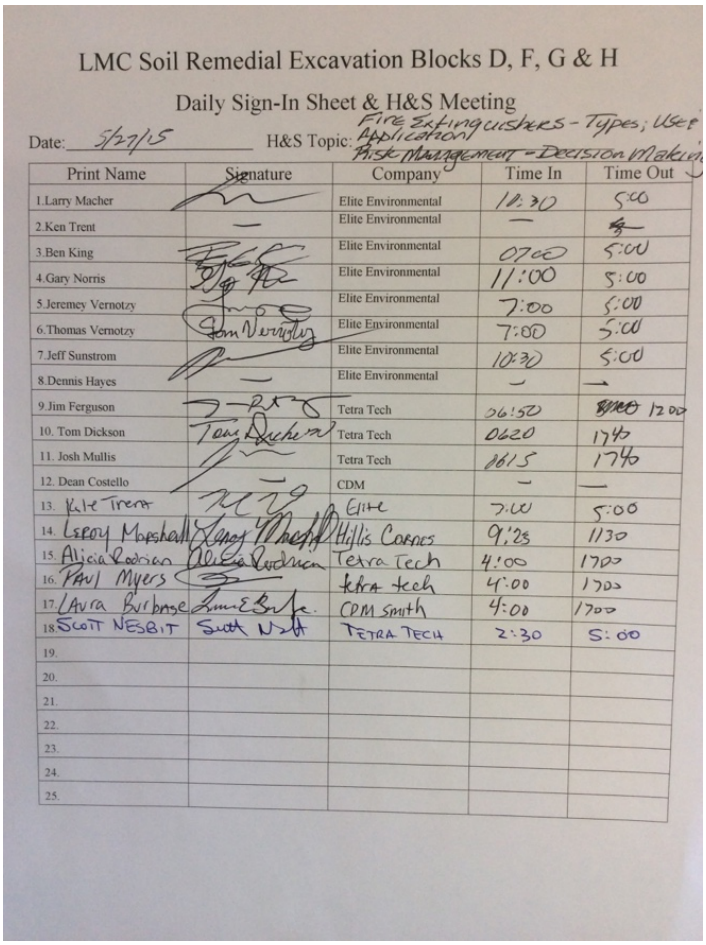
Photos of Select Daily Activities (continued)



Comments: Minor vegetation clearing required to install super silt fence in Block F.

Comments:

Safety Sign-In Sheet



LMC Soil Remedial Excavation Blocks D, F, G & H

Daily Sign-In Sheet & H&S Meeting

Date: 5/27/15 H&S Topic: Fire Extinguishers - Types; User Application; Risk Management - Decision Making

Print Name	Signature	Company	Time In	Time Out
1.Larry Macher		Elite Environmental	10:30	5:00
2.Ken Trent	—	Elite Environmental	—	—
3.Ben King		Elite Environmental	0700	5:00
4.Gary Norris		Elite Environmental	11:00	5:00
5.Jeremey Vernotzy		Elite Environmental	7:00	5:00
6.Thomas Vernotzy	Tom Vernotzy	Elite Environmental	7:00	5:00
7.Jeff Sunstrom		Elite Environmental	10:30	5:00
8.Dennis Hayes	—	Elite Environmental	—	—
9.Jim Ferguson		Tetra Tech	06:50	1200
10. Tom Dickson	Tom Dickson	Tetra Tech	0620	1740
11. Josh Mullis		Tetra Tech	0615	1740
12. Dean Costello	—	CDM	—	—
13. Kate Trent		Elite	7:00	5:00
14. Leroy Marshall		Hollis Corres	9:25	1130
15. Alicia Rodman		Tetra Tech	4:00	1700
16. Paul Myers		tetra tech	4:00	1700
17. Laura Burbage		CDM smith	4:00	1700
18. Scott Nesbit		Tetra Tech	2:30	5:00
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Construction Manager

TETRA TECH, INC.

DAILY CONSTRUCTION REPORT
Middle River Complex
Soil Remediation Blocks D, D Panhandle, F, G, and H

Duration of Site Activities

Date:	May 28, 2015	Start Work at:	7:00 AM	Depart Site at:	5:00 PM

Weather Conditions

Temperature (°F):	80 to 90	Skies:	Few Clouds	Wind:	Light	Precipitation:	None

Weather Comments: Thunderstorms begin @1530.

Summary of Work/Major Activities

1. Tailgate safety meeting, discussed safety hazards resulting from silt fence installation including pinch points, lifting heavy objects, operator and on the ground personnel safety. Possibility for heat stress due to high temps.
2. Continue to install super silt fence (SSF) and super silt diversion fence (SSDF) in Block F.
3. Install modified rock outfall in western corner of Block F super silt fence.
4. Air monitoring completed in Block F during silt fence installation.
5. Ground wire uncovered 8" below surface in southwestern corner of Block F during silt fence installation trenching. Wire is inactive and from previous structures, Lockheed approved cutting wire and moving on with trenching.
6. Stop work @ 1530 due to thunderstorms.

Personnel On-Site

Name:		Company:	
Name:	Josh Mullis	Company:	Tetra Tech
Name:	Scott Nesbit	Company:	Tetra Tech
Name:	Tom Dickson	Company:	Tetra Tech
Name:	Jim Ferguson	Company:	Tetra Tech
Name:	Larry Macher	Company:	Elite Environmental
Name:	Ben King	Company:	Elite Environmental
Name:	Gary Norris	Company:	Elite Environmental
Name:	Jeremy Vernotzy	Company:	Elite Environmental
Name:	Thomas Vernotzy	Company:	Elite Environmental
Name:	Kyle Trent	Company:	Elite Environmental
Name:	Katie Young	Company:	CDM Smith
Name:		Company:	
Name:		Company:	
Name:		Company:	

Health & Safety Topics or Issues

1. Slips, trips, and falls related to materials/objects on the ground (fence posts, shallow trench) on ground.
2. Pinch points involved with metal fencing and stapling geotextile.
3. Operator safety in heavy machinery and on the ground safety when in heavy machinery (use spotters, blind spots).
4. Be proactive and vigilant on the safety front.
5. Weather: warmer temperatures, possible thunderstorms in the evening, stay hydrated and wear sun block.

QC Procedures/Inspections/Testing to be Performed Today

1. DUSTTRAK Air Monitoring stations set up in Block F during super silt fence installation.

Planned Week Schedule

1. Install construction entrance in Block G (completed 5/26).
2. Minor fixes to E&S controls in Block G (revegetation of area around SSDF, completed 5/26).
3. Completion of backfill in Block H Area A (completed 5/26), followed by compaction testing in Block H Areas A and B (completed 5/27).
4. Installation of silt fence in Block F.
5. Baltimore County inspection of E&S controls in Block G scheduled for 1100 on 5/27 (completed and approved 5/27).
6. Begin excavation in Block G (tentative start date Monday 6/1).
7. Asphalt restoration in Block H Areas A and B.
8. Waste characterization sampling in Block F, D, and D Panhandle (scheduled for 5/29).

Photos of Select Daily Activities



Comments: Ground wire uncovered in southwestern corner of Block F during super silt fence installation. Wiring is no longer active and was therefore cut and removed from the trench after Lockheed approval.



Comments: Modified rock outfall installed in the western area of Block F.

Photos of Select Daily Activities (continued)

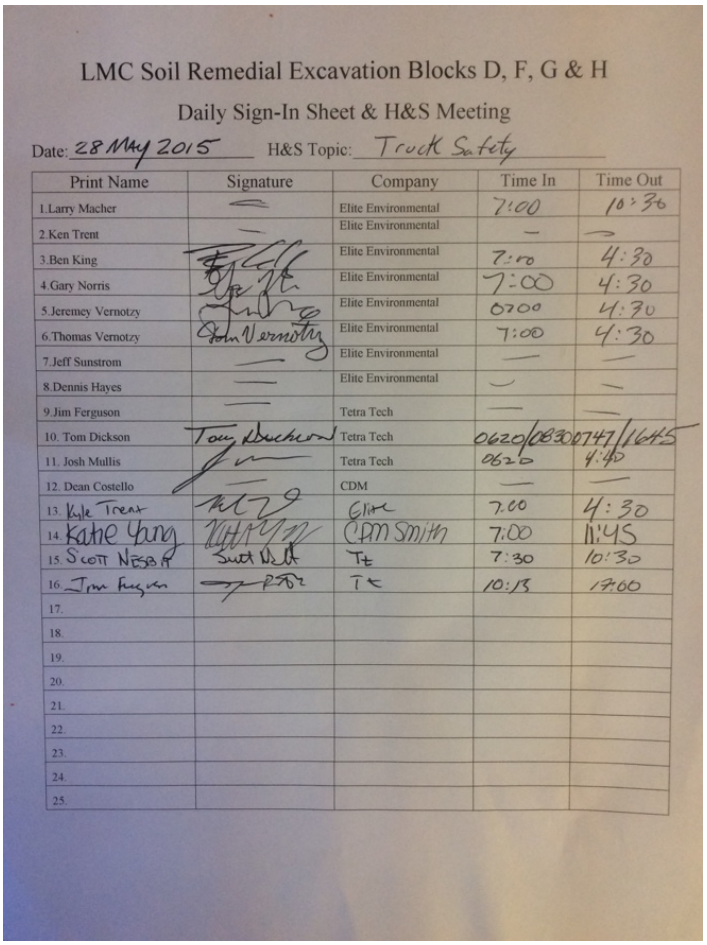


Comments: Super silt fence installation in the western portion of Block F.



Comments: Caution tape identifying a possible fall hazard (hole) in Block F.

Safety Sign-In Sheet



LMC Soil Remedial Excavation Blocks D, F, G & H

Daily Sign-In Sheet & H&S Meeting

Date: 28 May 2015 H&S Topic: Truck Safety

Print Name	Signature	Company	Time In	Time Out
1. Larry Macher		Elite Environmental	7:00	10:30
2. Ken Trent	—	Elite Environmental	—	—
3. Ben King		Elite Environmental	7:00	4:30
4. Gary Norris		Elite Environmental	7:00	4:30
5. Jeremey Vernotzy		Elite Environmental	0700	4:30
6. Thomas Vernotzy	John Vernotzy	Elite Environmental	7:00	4:30
7. Jeff Sunstrom	—	Elite Environmental	—	—
8. Dennis Hayes	—	Elite Environmental	—	—
9. Jim Ferguson	—	Tetra Tech	—	—
10. Tom Dickson	Tom Dickson	Tetra Tech	0620/0830	0747/1645
11. Josh Mullis		Tetra Tech	0620	4:40
12. Dean Costello	—	CDM	—	—
13. Kyle Treat		Elliott	7:00	4:30
14. Katie Young		CAM Smith	7:00	11:45
15. Scott Nesbit		Tt	7:30	10:30
16. Jim Ferguson		Tt	10:13	17:00
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Construction Manager

TETRA TECH, INC.

DAILY CONSTRUCTION REPORT
Middle River Complex
Soil Remediation Blocks D, D Panhandle, F, G, and H

Duration of Site Activities

Date:	May 29, 2015	Start Work at:	7:00 AM	Depart Site at:	5:00 PM

Weather Conditions

Temperature (°F):	70 to 80	Skies:	Few Clouds	Wind:	Moderate	Precipitation:	None
Weather Comments:							

Summary of Work/Major Activities

1. Tailgate safety meeting, discussed safety hazards resulting from silt fence installation including pinch points, lifting heavy objects, operator and on the ground personnel safety. Possibility for heat stress due to high temps.
2. Continue to install super silt fence (SSF) and super silt diversion fence (SSDF) in Block F.
3. Air monitoring completed in Block F during silt fence installation.
4. Waste characterization sampling completed in Blocks F, D, and D Panhandle.
5. Verification sample results indicate no further action required for Block H Areas A and B, asphalt paving may proceed.
6. Decon pad area set up in Block G for use during excavation activities starting 6/1 (tentatively).
7. Conduit (abandoned) uncovered during super silt fence installation in the eastern portion of Block F, the conduit was cut and removed from the hole after Lockheed approval.

Personnel On-Site

Name:	Company:
Josh Mullis	Tetra Tech
Jim Ferguson	Tetra Tech
Ben King	Elite Environmental
Gary Norris	Elite Environmental
Jeremy Vernotzy	Elite Environmental
Thomas Vernotzy	Elite Environmental
Kyle Trent	Elite Environmental

Health & Safety Topics or Issues

1. Slips, trips, and falls related to materials/objects on the ground (fence posts, shallow trench) on ground.
2. Pinch points involved with metal fencing and stapling geotextile.
3. Operator safety in heavy machinery and on the ground safety when in heavy machinery (use spotters, blind spots).
4. Be proactive and vigilant on the safety front.
5. Weather: warmer temperatures, possible thunderstorms in the afternoon, stay hydrated and wear sun block.

QC Procedures/Inspections/Testing to be Performed Today

1. DUSTTRAK Air Monitoring stations set up in Block F during super silt fence installation.
2. Waste Characterization sampling for Block F, D, and D Panhandle.
3. Verification sample results indicate no further action required for Block H Areas A and B, asphalt paving may proceed.

Planned Week Schedule

1. Install construction entrance in Block G (completed 5/26).
2. Minor fixes to E&S controls in Block G (revegetation of area around SSDF, completed 5/26).
3. Completion of backfill in Block H Area A (completed 5/26), followed by compaction testing in Block H Areas A and B (completed 5/27).
4. Installation of silt fence in Block F.
5. Baltimore County inspection of E&S controls in Block G scheduled for 1100 on 5/27 (completed and approved 5/27).
6. Begin excavation in Block G (tentative start date Monday 6/1).
7. Asphalt restoration in Block H Areas A and B (to be completed at a later date).
8. Waste characterization sampling in Block F, D, and D Panhandle (completed 5/29).

Tentative schedule for week of 6/1:
1. Begin excavations in Block G.
2. Finish installation of super silt fence in Block F.
3. Conduct verification sampling, surveying, and backfill activities following excavations in Block G.
4. Saw cut concrete areas in Block F.

Photos of Select Daily Activities



Comments: Geoprobe DPT rig used for the waste characterization sampling in Blocks F, D, and D Panhandle.



Comments: Super silt fence installed in southwest corner of Block F, trip hazard identified with caution tape.

Photos of Select Daily Activities (continued)

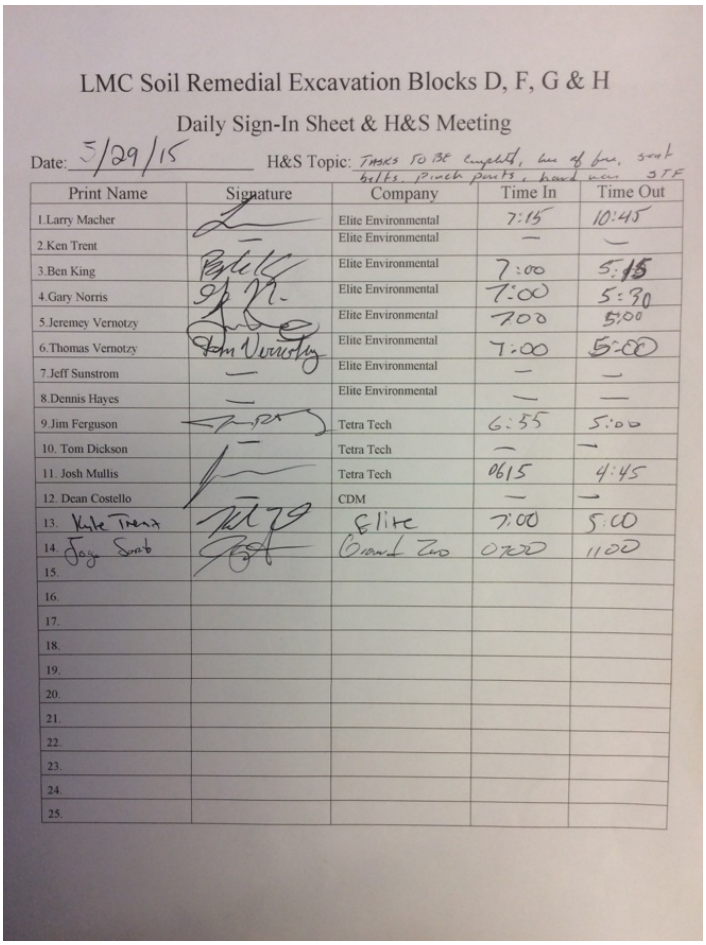


Comments: Decontamination area set up in Block G.



Comments: Conduit (abandoned) uncovered during super silt fence installation in eastern area of Block F. Conduit cut and removed after Lockheed approval.

Safety Sign-In Sheet



LMC Soil Remedial Excavation Blocks D, F, G & H

Daily Sign-In Sheet & H&S Meeting

Date: 5/29/15 H&S Topic: Tasks to be completed, use of fire, seat belts, pinch points, hand use STF

Print Name	Signature	Company	Time In	Time Out
1. Larry Macher		Elite Environmental	7:15	10:45
2. Ken Trent	—	Elite Environmental	—	—
3. Ben King		Elite Environmental	7:00	5:15
4. Gary Norris		Elite Environmental	7:00	5:30
5. Jeremey Vernotzy		Elite Environmental	7:00	5:00
6. Thomas Vernotzy		Elite Environmental	7:00	5:00
7. Jeff Sunstrom	—	Elite Environmental	—	—
8. Dennis Hayes	—	Elite Environmental	—	—
9. Jim Ferguson		Tetra Tech	6:55	5:00
10. Tom Dickson	—	Tetra Tech	—	—
11. Josh Mullis		Tetra Tech	0615	4:45
12. Dean Costello		CDM	—	—
13. Kate Trent		Elite	7:00	5:00
14. Jay Smith		Grand Zero	0700	1100
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Construction Manager

TETRA TECH, INC.

DAILY CONSTRUCTION REPORT
Middle River Complex
Soil Remediation Blocks D, D Panhandle, F, G, and H

Duration of Site Activities

Date:	June 25, 2015	Start Work at:	6:30 AM	Depart Site at:	5:00 PM

Weather Conditions

Temperature (°F):	70 to 80	Skies:	Mostly Cloudy	Wind:	None	Precipitation:	Light Rain

Weather Comments: Light rain in the evening, after 17:00

Summary of Work/Major Activities

1. Staged backfill next to excavations in Block G Areas A-F (completed 6/25).
2. Excavated south wall of Block G Area H, sent one truck of soil to Soil Safe Disposal Facility (completed 6/25).
3. Inserted flow through packer into storm water pipe upgradient of Block G Area J (completed 6/25).
4. Coordinated trucking supplied by Veolia Environmental Services for the transport of the storm water from Block G for treatment and disposal at Clean Harbors of Baltimore (ongoing).
5. Applied striping to the Block H Area A and B Sites to facilitate removal of the 6' chain link fencing (Completed 6/25).
6. Installation of temporary asphalt berm (TAB) in Block D (completed 6/25).

Personnel On-Site

Name:		Company:	
Name:	J. Ferguson	Company:	Tetra Tech
Name:	C. Snyder	Company:	Tetra Tech
Name:	L. Macher	Company:	Elite Environmental
Name:	K. Trent	Company:	Elite Environmental
Name:	Kyle Trent	Company:	Elite Environmental
Name:	B. King	Company:	Elite Environmental
Name:	J. Sunstrom	Company:	Elite Environmental
Name:	G. Norris	Company:	Elite Environmental
Name:	T. Vernotzy	Company:	Elite Environmental
Name:	J. Vernotzy	Company:	Elite Environmental
Name:	J.Colleran	Company:	Meadows Paving
Name:	D. Seabolt	Company:	Meadows Paving
Name:	J. Meadows/ J. Fortney	Company:	Meadows Paving
Name:		Company:	

Health & Safety Topics or Issues

1. Weather safety, procedures for thunder and lightening storms.
2. C. Snyder will be performing heat stress assessments.

QC Procedures/Inspections/Testing to be Performed Today

1. TAB QA/QC.
2. Collection of composite sample from south wall of Block G Area J.

Planned Week Schedule

1. Begin backfill of excavations in Block G (work is ongoing).
2. Block D construction entrance construction (work is ongoing).
3. Remove temporary 6' chain link fence in Block H (week of 6/29).
4. Paint yellow striping in parking areas in Block H (completed 6/25).
5. Excavate south wall of Block G Area H (complete 6/25).
6. Begin excavation of Block G Area I (work deferred to later date due to subsurface conditions).
7. Pump storm water runoff from Block G Excavation Area J to frac tanks (6/22, 6/23).
8. Collect verification composite soil sample from south wall of Block G Area H (completed 6/25).
9. Install diversion fencing around Block G Area J and UST area. (completed 6/25)
10. Shipped 4 tankers of storm water to Clean Harbors for treatment and disposal (to be completed 6/26).
11. Install TAB in Block D (completed 6/25).

Photos of Select Daily Activities



Comments: TAB installation in Block D.



Comments: Installation of plastic along south wall of Block G Area H.

Photos of Select Daily Activities (continued)

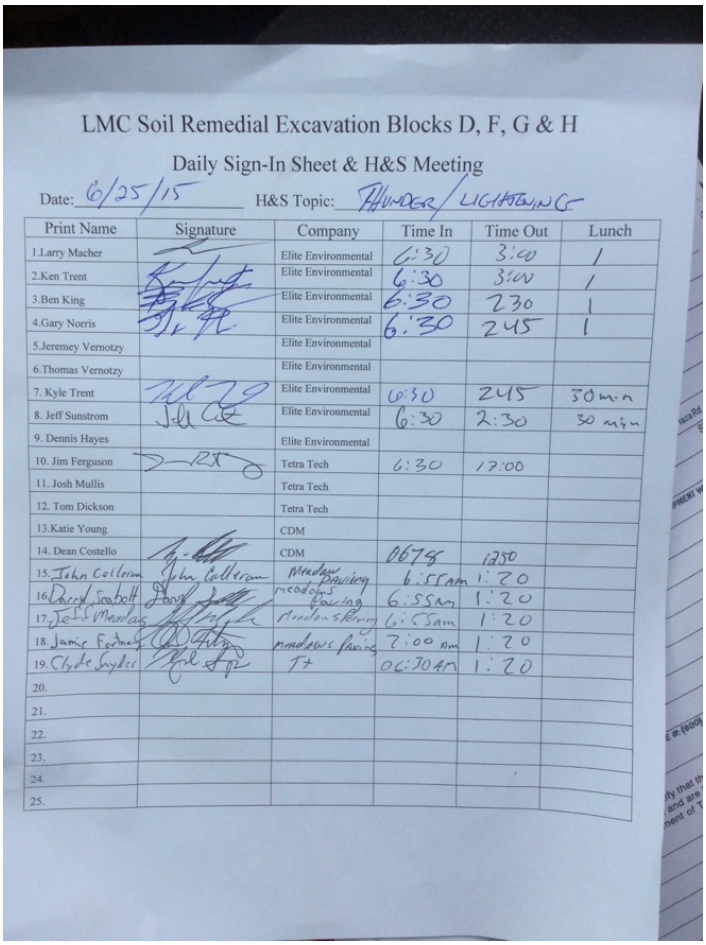


Comments: Flow through packer installed to divert storm water from Block G Area J.



Comments: Hard suction pipe used for storm water diversion.

Safety Sign-In Sheet



LMC Soil Remedial Excavation Blocks D, F, G & H

Daily Sign-In Sheet & H&S Meeting

Date: 6/25/15 H&S Topic: THUNDER / LIGHTENING

Print Name	Signature	Company	Time In	Time Out	Lunch
1.Larry Macher		Elite Environmental	6:30	3:00	1
2.Ken Trent		Elite Environmental	6:30	3:00	1
3.Ben King		Elite Environmental	6:30	2:30	1
4.Gary Norris		Elite Environmental	6:30	2:45	1
5.Jeremey Vernotzy		Elite Environmental			
6.Thomas Vernotzy		Elite Environmental			
7. Kyle Trent		Elite Environmental	6:30	2:45	30 min
8. Jeff Sunstrom		Elite Environmental	6:30	2:30	30 min
9. Dennis Hayes		Elite Environmental			
10. Jim Ferguson		Tetra Tech	6:30	17:00	
11. Josh Mullis		Tetra Tech			
12. Tom Dickson		Tetra Tech			
13.Katie Young		CDM			
14. Dean Costello		CDM	0678	1250	
15. John Colleran	John Colleran	Meadows Paving	6:55AM	1:20	
16. Darryl Sobott		meadows paving	6:55am	1:20	
17. Jeff Mendes		Meadows Paving	6:55am	1:20	
18. Jamie Fedrick		meadows paving	7:00 AM	1:20	
19. Clyde Snyder		T+	06:30AM	1:20	
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Construction Manager

Submitted by:

TETRA TECH, INC.

DAILY CONSTRUCTION REPORT
Middle River Complex
Soil Remediation Blocks D, D Panhandle, F, G, and H

Duration of Site Activities

Date:	October 1, 2015	Start Work at:	6:30 AM	Depart Site at:	4:45 PM

Weather Conditions

Temperature (°F):	50 to 60	Skies:	Overcast	Wind:	Light	Precipitation:	Light Rain

Weather Comments: Cloudy, overcast, steady, light to moderate rain.

Summary of Work/Major Activities

1. Pre-storm preparations, re-enforcement of existing erosion and sediment controls in Blocks D, D Panhandle, F and G.
2. Load-out of concrete and asphalt from Block G. Trucking services provided by CAMZ. Concrete and asphalt trucked to Flannigans.
3. 11 loads of concrete and 3 loads of asphalt accepted by Flannigans.

Personnel On-Site

Name:		Company:	
Name:	Jim Ferguson	Company:	Tetra Tech
Name:	Tom Dickson	Company:	Tetra Tech
Name:	Fred Kolberg	Company:	Tetra Tech
Name:	Mike Martin	Company:	Tetra Tech
Name:	Kai Tu	Company:	Tetra Tech
Name:	Larry Macher	Company:	Elite Env.
Name:	Kyle Trent	Company:	Elite Env.
Name:	Jeremy Vernotzy	Company:	Elite Env.
Name:	Tom Vernotzy	Company:	Elite Env.
Name:	Gary Norris	Company:	Elite Env.
Name:		Company:	
Name:		Company:	
Name:		Company:	
Name:		Company:	

Health & Safety Topics or Issues

1. Discussed performance of routine daily operations in the current rainy weather conditions and hazards that result due to decreased visibility, slips, trips and falls related to muddy or wet ground conditions.

QC Procedures/Inspections/Testing to be Performed Today

1. Monitor reinforcement of erosion and sediment controls.
2. Monitor concrete and asphalt loadout in Block G.

Planned Week Schedule

1. Backfill and compact Block D Panhandle Areas A and B (9/28-9/29).
2. Strip asphalt from Block D Panhandle (9/29).
3. Test pits for Block D storm water conveyance repairs (to be completed 10/7-10/8).
4. Complete Block D Area F-1 tie back repair (9/29, ongoing).
5. Remove rubble and storm water conveyance structure behind Block D Panhandle bulkhead (to be completed 10/7-10/8).
6. Install turbidity curtain in Block D Panhandle (9/28).
7. Complete density testing in Block D Panhandle Areas A and B (to be completed week of 10/5).
8. Baltimore County erosion and sediment control inspection (9/30).
9. Load-out 3 trucks of asphalt from Block D Panhandle (9/30).
10. Load-out 3 trucks of concrete rubble from Block F (9/30).
11. Load-out 11 trucks of concrete rubble from Block G (10/1).
12. Load-out 3 trucks of asphalt from Block G (asphalt derived from Block H Areas A and B (10/1)).

Photos of Select Daily Activities

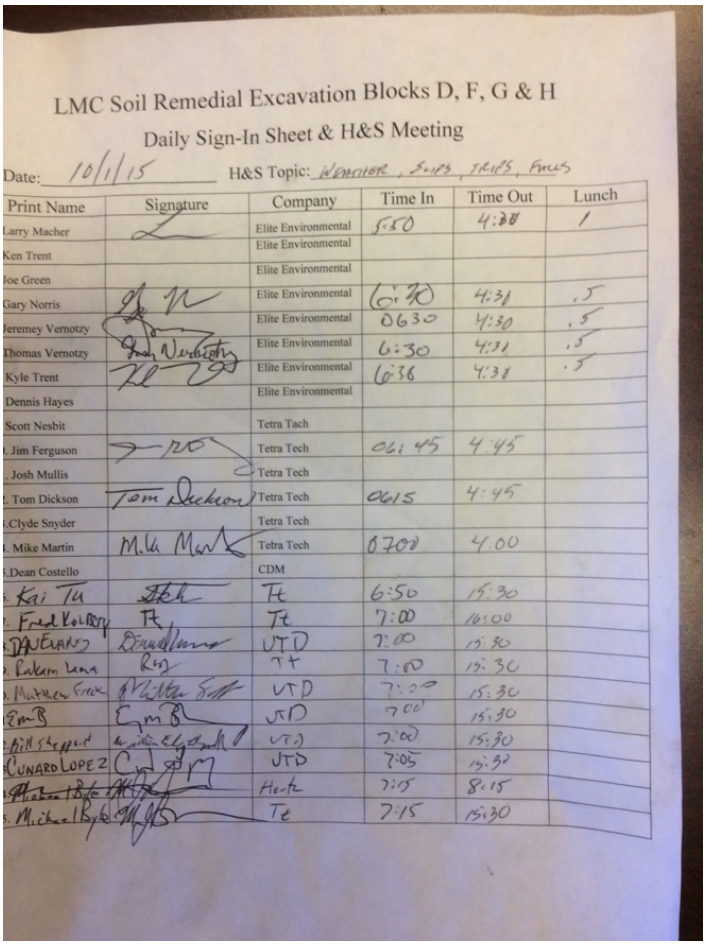


Comments: 1. Block G asphalt load-out (asphalt source was Block H areas A and B). Asphalt is being delivered to Flannigans for recycling.



Comments: 2. Block D Panhandle pre-storm surface water runoff early in day 10/1.

Safety Sign-In Sheet



LMC Soil Remedial Excavation Blocks D, F, G & H

Daily Sign-In Sheet & H&S Meeting

Date: 10/1/15 H&S Topic: Weather, Slips, Trips, Falls

Print Name	Signature	Company	Time In	Time Out	Lunch
Larry Macher		Elite Environmental	5:50	4:28	1
Ken Trent		Elite Environmental			
Joe Green		Elite Environmental			
Gary Norris		Elite Environmental	6:30	4:31	.5
Jeremey Vernotzy		Elite Environmental	0630	4:30	.5
Thomas Vernotzy		Elite Environmental	6:30	4:31	.5
Kyle Trent		Elite Environmental	6:36	4:31	.5
Dennis Hayes		Elite Environmental			
Scott Nesbit		Tetra Tach			
Jim Ferguson		Tetra Tech	0615	4:45	
Josh Mullis		Tetra Tech			
Tom Dickson	Tom Dickson	Tetra Tech	0615	4:45	
Clyde Snyder		Tetra Tech			
Mike Martin		Tetra Tech	0700	4.00	
Dean Costello		CDM			
Kai Tu		Tt	6:50	15:30	
Fred Kolbert		Tt	7:00	16:00	
DAVE EVANS		UTD	7:00	15:30	
Rakam Lama		Tt	7:00	15:30	
Matthew Frick		UTD	7:00	15:30	
EmB		UTD	700	15:30	
Bill Sheppard		UTD	7:00	15:30	
CUNARD LOPEZ		UTD	7:05	15:32	
		Tt	7:15	8:15	
Michael Byrd		Tt	7:15	15:30	

Construction Manager

Submitted by:

APPENDIX B—PERMITS AND APPROVALS

LOCKHEED MARTIN

Dig Permit

See Enterprise Operations Procedure EO-28, Digging Projects, for instructions.

Date	Project Manager
April 20, 2015	John Morgan /Tom Blackman(Lockheed Martin) Tony Apanavage (Tetra Tech)

Building/Location

Block D, D Panhandle, F,G,H Soil Remedy Investigation, Middle River Complex

Purpose of excavation

Tetra Tech will oversee the setup of engineering controls and the excavation of contaminated soils in Tax Blocks D, D Panhandle, F, G and H, USTs in Blocks F and G and bulkhead repair in D Panhandle.

Company/LM organization performing dig

Tetra Tech, Elite Environmental

Planned dig date	Duration	Start time
April 27, 2015-December 31 2015	8 months	0700
Expected depth	**Width**	**Length**
Approximately 0-7 feet deep	Width of excavations per drawings	Length of excavations per drawings

Underground utilities identified?	Overhead utilities?	Electrical lines?	Gas lines?
☒ Yes ☐ No	☒ Yes ☐ No ☐ N/A	☒ Yes ☐ No	☒ Yes ☐ No
Sewer?	**Water?**	**Telecommunications?**	**Other? Specify: Storm Water**
☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No ☐ N/A	☒ Yes ☐ No

Site-specific or customer utility locating requirements completed?

☒ Yes ☐ No ☐ N/A

Sketch of dig project (or attach drawing)

See Attached

A private utility locating contractor (Enviroscan) was used to mark subsurface utilities on April 13-14, 2015. Confirmation letter attached.

Miss Utility Ticket # 15198939 (Block G and H)

The excavation areas are presented in the enclosed maps.

Project Manager Tony Apanavage	Date April 15, 2015	Customer SECURITY	Date 4/21/15
~~Telecommunications~~ FACILITIES SUPERVISOR	Date	Customer	Date 4/23/15
ESH	Date 4-20-15	Customer	Date 4/21/15
Building/Facility Manager			Date 4/21/15

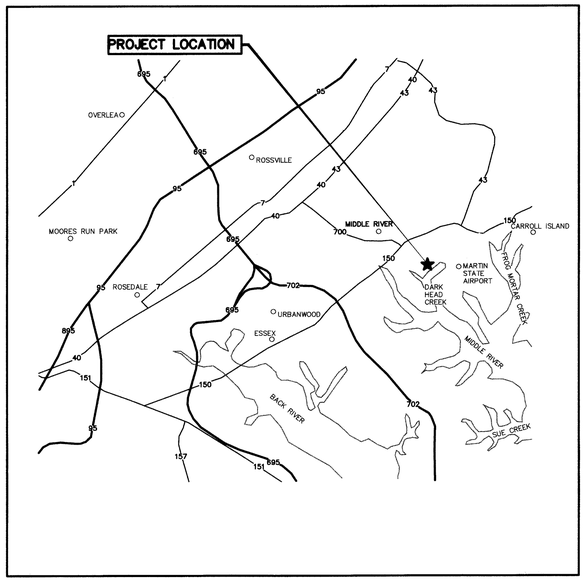
P.M.

CPS

LI

CPIO

GRADING AND
EROSION AND SEDIMENT CONTROL PLAN FOR
SOIL REMEDIAL ACTION
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND



PROJECT VICINITY MAP
NOT TO SCALE

DRAWING INDEX

SHEET NO.	SHEET TITLE
T-1	TITLE SHEET
T-2	GENERAL NOTES, GRADING NOTES, AND LEGEND
C-1	FACILITY WIDE EXISTING CONDITIONS
C-2	BLOCK D – EXISTING CONDITIONS
C-3	BLOCK D PANHANDLE – EXISTING CONDITIONS
C-4	BLOCK F – EXISTING CONDITIONS
C-5	BLOCK G – EXISTING CONDITIONS (SHEET 1 OF 2)
C-6	BLOCK G – EXISTING CONDITIONS (SHEET 2 OF 2)
C-7	BLOCK H – EXISTING CONDITIONS
C-8	EROSION AND SEDIMENT CONTROL NOTES
C-9	BLOCK D – GRADING AND EROSION & SEDIMENT CONTROL PLAN
C-10	BLOCK D PANHANDLE – GRADING AND EROSION & SEDIMENT CONTROL PLAN
C-11	BLOCK F – GRADING AND EROSION & SEDIMENT CONTROL PLAN
C-12	BLOCK G – GRADING AND EROSION & SEDIMENT CONTROL PLAN (SHEET 1 OF 2)
C-13	BLOCK G – GRADING AND EROSION & SEDIMENT CONTROL PLAN (SHEET 2 OF 2)
C-14	BLOCK H – GRADING AND EROSION & SEDIMENT CONTROL PLAN
C-15	EROSION AND SEDIMENT CONTROL DETAILS (SHEET 1 OF 3)
C-16	EROSION AND SEDIMENT CONTROL DETAILS (SHEET 2 OF 3)
C-17	EROSION AND SEDIMENT CONTROL DETAILS (SHEET 3 OF 3)
C-18	SEEDING SPECIFICATIONS



MIDDLE RIVER, MARYLAND, GOOGLE EARTH 2013

PROJECT LOCATION MAP
SCALE: 1"=1000'

DATUM:
HORIZONTAL=MARYLAND STATE PLANE 1983
VERTICAL= NAVD 88

0 1000 2000
SCALE IN FEET

BALTIMORE COUNTY
DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY
APPROVED FOR GRADING
EMS 4/24/15
4/24/15
Date

STORMWATER MANAGEMENT PERMIT NOT REQUIRED

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL
4-23-15
DATE
DISTRICT OFFICIAL
050-3735X6-15
PLAN NO.
TECHNICAL REVIEW FOR THE DISTRICT BY:
Dave Buckman
IF A GRADING PERMIT HAS NOT BEEN OBTAINED WITHIN TWO YEARS OF THIS APPROVAL, THIS PLAN SHALL BE RE-SUBMITTED TO THE DISTRICT.

TETRA TECH
www.tetratech.com
20251 CENTURY BLVD
GERMANTOWN, MD 20874
T: (301) 528-5552 | F: (301) 528-3000

STATE OF MARYLAND
SCOTT A. ASHWORTH
No. 20015
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX
SOIL REMEDIAL ACTION
TITLE SHEET

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	1 OF 20

COPYRIGHT TETRA TECH INC.

T-1

K:\CADD\MRC\CIVIL\T-1.dwg PIT IVANNA.GOLDSBERRY 3/24/2015 2:55:19 PM

MARYLAND DEPARTMENT OF THE ENVIRONMENT
1800 Washington Boulevard • Baltimore MD 21230
410-537-3000 • 1-800-633-6101 • www.mde.maryland.gov

Larry Hogan
Governor

Boyd Rutherford
Lieutenant Governor

Ben Grumbles
Secretary

Date of Permit Issuance: 5/6/2015

Lockheed Martin Corporation
6801 Rockledge Drive
MP:CCT-246
Bethesda, Maryland 20817

RE: **MDRCC01CX**

Dear Mr. Thomas Blackman:

Please find enclosed documentation of coverage under the 2014 General Permit for Stormwater Associated with Construction Activity (MDRC) for:

MRC Blocks D,F,G, and H Soil Remediation

issued to

Lockheed Martin Corporation

Please note that the effective date of coverage under the General Permit is the date on the attached cover sheet. If the current erosion and sediment control plan approval covers only part of the entire site covered by this permit, be advised that this permit does not authorize discharges from the other portions of the site until the appropriate erosion and sediment control approval authority approves the erosion and sediment control plan for those portions. The permit also requires that the site have an approved stormwater management plan (unless exempt or waived by the stormwater approval authority) prior to earth disturbance. Part IV.C.3 of the permit requires the permittee to use the standard written report form as provided by MDE. The form is available on MDE's website at the following location both as a fillable Microsoft Word form and as an Adobe Acrobat file.

http://go.usa.gov/gFMW

Print this letter and the cover sheet and keep them with your permit file. In addition, download the 2014 General Permit from the above website, print it for your permit file, and refer to it to ensure compliance with its terms. Submit any modifications to this coverage, Transfers of Authorization, or Notices of Termination via the ePermits portal. If your contact information changes, update it through the ePermits portal.

Your cooperation in this matter is appreciated. If you have any questions, please call the administrative team for the General Permit at (410) 537-3019.

Sincerely,

Heather L. Nelson

Heather L. Nelson, Acting Director
Compliance Program
Water Management Administration

GENERAL PERMIT FOR STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY

State Discharge Permit Number:	**Effective Date:** 5/6/2015
MDRCC01CX	**Expiration Date:** 12/31/2019
	NOTE: If site work is complete per Part II. I. prior to the expiration date, the permittee must submit a Notice of Termination and terminate the permit.

Pursuant to the provisions of Title 9 of the Environment Article, Annotated Code of Maryland, and regulations promulgated thereunder, and the provisions of the Clean Water Act, 33 U.S.C., Section 1251 et. seq., and implementing regulations 40 CFR Parts 122, 123, 124 and 125, the Department of the Environment hereby establishes conditions and requirements pertinent to stormwater associated with construction activity at the site described below and authorizes:

Lockheed Martin Corporation
6801 Rockledge Drive
MP:CCT-246
Bethesda, Maryland 20817

TO DISCHARGE STORMWATER FROM:

MRC Blocks D,F,G, and H Soil Remediation
construction project on
2.15 acres
at property located at
Tax Blocks D, F, G, and H within Lockheed Martin Corporation's Middle River Complex (MRC)
2323 Eastern Boulevard, Middle River, Maryland 21220

If the current erosion and sediment control plan approval covers only part of the entire site covered by this permit, this permit does not authorize discharges from the other portions of the site until the appropriate erosion and sediment control approval authority approves the erosion and sediment control plan for those portions.

TO:
Surface waters -- Cow Pen Creek and Dark Head Cove

which is
Waters protected for Support of Estuarine and Marine Aquatic Life and Shellfish Harvesting

in accordance with the 2014 General Permit. The vicinity map submitted with the Notice of Intent is considered incorporated herein and made a part hereof.

TETRA TECH

F
COE
DLH

RECEIVED
NOV 18 2013
BY:

November 15, 2013

20130256

Ms. Beth Cole
Maryland Historical Trust
Maryland Department of Planning
100 Community Place
Crownsville, MD 21032

Dear Ms. Cole:

This letter is to request Maryland Historical Trust (MHT) project review for the Lockheed Martin soil remediation project in Blocks D, E, F, G and H at the Middle River property located in Baltimore County, Maryland (see attached Figures 1 and 2). The purpose of the soil remediation in Blocks D, E, F, G and H is to reduce the levels of contaminants of concern (COCs) in existing soils to meet standards under Maryland Department of the Environment's (MDE's) Controlled Hazardous Substances Program.

Activities proposed for the soil remediation work include excavation and removal of approximately 3,884 cubic yards (cy) of overlying soil in Block D (including 579 cy in the panhandle portion of Block D), 9,837 cy in Block E, 912 cy in Block F, 1,645 cy in Block G, and 332 cy in Block H (see Figure 3). The soil remediation work will also include removal of existing impervious pavement/concrete in Block E and the panhandle portion of Block D. Volume estimates of soil to be excavated in each block are currently preliminary and may be revised. Excavated soil and pavement/concrete will be loaded in trucks on-site and taken to an appropriate disposal facility or will be recycled.

Middle River

Additional activities proposed for the soil remediation work will include the removal of the floor drains in the Block E basement foundation, and the removal and relocation of the storm drain system in Block E. The new storm drain system will be designed based on the final grading plan selected for the site.

All excavated areas, including areas of pavement/concrete, will be replaced with in-kind clean fill material and topsoil and revegetated, Excavated areas in Blocks D, F, G, and H will be graded back to original contours; however, Block E is expected to be graded to drain with a minimum 2% grade.

Other areas of ground disturbance will include truck traffic and staging areas, as well as E&S control locations. These areas will be graded back to original contours.

Archeo JLH 12/9/13 2ma

prior review 2009 0445 7 2012 0495 5 2ma

w/in BA-2081

The Maryland Historical Trust has determined that this undertaking will have no adverse effect on historic properties.
Date 12/9/13

Tetra Tech, Inc.
2251 Century Blvd., Suite 200, Germantown, MD 20874-7114
Tel 301.528.555[illegible] Fax 301.528.3000 www.tetratech.com

TETRA TECH

Standard best management practices will be employed during all work at the site, including seeding all exposed areas with a standard seed mix, restoring wetland areas as appropriate, following an approved erosion and sediment control plan, and obtaining a Construction General Permit for construction stormwater runoff.

Expected federal and state permits include a United States Army Corps of Engineers (USACE) Section 404 Maryland State Programmatic General Permit for minor work in wetlands, an Erosion/Sediment Control Approval from the Baltimore County Soil Conservation District, a site Grading Permit from Baltimore County Department of Environmental Protection and Sustainability, and a General Permit for Construction Activity (Stormwater) from MDE.

Included with this request is the MHT Project Review Form. I appreciate your input on this matter and if you have any questions or need additional information please contact me at (301) 528-3022.

Sincerely,

Michael Martin, PG
Regional Manager
Tetra Tech, Inc.

cc:
Tom Blackman, Lockheed Martin Corporation
Cannon Silver, CDM Smith
Laura Burbage, CDM Smith

MARYLAND
DEPARTMENT OF
NATURAL RESOURCES

Martin O'Malley, Governor
Anthony G. Brown, Lt. Governor
Joseph P. Gill, Secretary
Frank W. Dawson III, Deputy Secretary

December 18, 2013

Michael Martin
Tetra Tech
20251 Century Blvd., Suite 200
Germantown, MD 20874-7114

RE: Environmental Review for Lockhead Martin property, jct. of Eastern Blvd and Wilson Point Rd., Middle River, soil remediation project, Blocks D, E, F, G, and H, Baltimore County, MD.

Dear Mr. Martin:

The Wildlife and Heritage Service has determined that there are no State or Federal records for rare, threatened or endangered species within the boundaries of the project site as delineated. As a result, we have no specific comments or requirements pertaining to protection measures at this time. This statement should not be interpreted however as meaning that rare, threatened or endangered species are not in fact present. If appropriate habitat is available, certain species could be present without documentation because adequate surveys have not been conducted.

Thank you for allowing us the opportunity to review this project. If you should have any further questions regarding this information, please contact me at (410) 260-8573.

Sincerely,

Lori A. Byrne

Lori A. Byrne,
Environmental Review Coordinator
Wildlife and Heritage Service
MD Dept. of Natural Resources

ER# 2013.1738.ba

KEVIN KAMENETZ
County Executive

VINCENT J. GARDINA, *Director*
Department of Environmental Protection and Sustainability

Stormwater Management

410-887-3768
FAX 410-887-4804

July 23, 2014

Mr. Paul Myers
Tetra Tech, Inc.
20251 Century Blvd, Suite 200
Germantown, MD 20874-7114

RE: LOCKHEED MARTIN MIDDLE RIVER COMPLEX
Soil Remediation In Blocks D, F, G & H
Stormwater Management Variance
Middle River Watershed
EPS Project I.D. M140086
EPS Tracking Number: 07-14-1848

Dear Mr. Myers:

This office has reviewed the information submitted and finds that a stormwater management variance can be granted for this project under Section 33-4-113 (a) (2) of Title 4 of the Baltimore County Code. This section of the regulations allows a stormwater management variance to be granted if there are exceptional circumstances such that strict adherence to the provisions of this article would result in unreasonable hardship or practical difficulty and not fulfill the intent of the regulations. The proposed project is for the removal of contaminated soil and replacing it with clean soil. The existing grades will be reestablished once the contaminated soil is removed. There will be a reduction in impervious area as a result of this project. Since there will be a slight reduction in impervious area and water quality will be improved by the removal of contaminated soil, a stormwater management variance can be granted for this project.

Please contact Ed Schmaus of my staff at 410-887-3768 should you have any questions.

Very truly yours,

Thomas L. Vidmar, P.E., Deputy Director
Department of Environmental Protection
& Sustainability

TLV:jcm

variance approval letter private

Final Report
Geophysical Survey
Utility/Structure Clearance for Soil Remediation Excavations
Middle River Complex
Blocks G and H
Middle River, MD
Enviroscan Reference Number 031548

Prepared For: Tetra Tech NUS, Inc.
Prepared By: Enviroscan, Inc.
May 6, 2015

1051 Columbia Avenue ● Lancaster, PA 17603 ● 717.396.8922 ● Fax 717.396.8746 ● email@enviroscan.com ● www.enviroscan.com

May 6, 2015

Mr. Tony Apanavage
Tetra Tech NUS, Inc.
20251 Century Boulevard
Suite 200
Germantown, MD 20874-7114

RE: Geophysical Survey
Utility/Structure Clearance for Soil Remediation Excavations
Middle River Complex
Blocks G and H
Middle River, MD
Enviroscan Reference Number 031548

Dear Mr. Apanavage:

Pursuant to your request for a proposal on April 2, 2015, Enviroscan, Inc. has conducted a multi-technique geophysical survey at the above-referenced site. The fieldwork was performed on April 15 and 16, 2015. The purpose of the survey was to perform utility clearance at client-designated proposed soil remediation excavations.

Methods

The utility survey was completed using standard and/or routinely accepted practices of the geophysical industry and equipment representing the best available technology, including:

- a Radiodetection RD8000 Multi-Frequency pipe and cable tracer;
- a Radiodetection C.A.T. and Genny pipe and cable locator/tracer;
- a Fisher TW-6 electromagnetic (EM) pipe and cable locator/tracer;
- a GSSI SIR-4000 ground penetrating radar (GPR) system.

The principles of these techniques are detailed below.

RD8000

Utility tracing was conducted using a Radiodetection RD8000 digital cable and pipe tracer. The transmitter can be directly coupled to exposed portions of a metallic pipe, cable, or wire or indirectly (inductively) to a subsurface metallic utility of known location/orientation. The transmitter remains stationary and energizes the metallic utility at a frequency selected by the operator (512 Hz, 8 kHz, 33 kHz, or 65 kHz), which is received at the ground surface by the digital locator. When the transmitter is directly coupled to the metallic utility, the digital receiver can also calculate the depth of the utility to an accuracy of ±10% of the actual depth of the utility. Please note the close proximity to bends in the traced line or poor signal strength can result in erroneous depth estimations.

C.A.T. and Genny

The survey areas were also scanned with a Radiodetection C.A.T. and Genny pipe and cable locator and tracer. In Power mode, the C.A.T. detects the 50 to 60 Hertz (Hz) electromagnetic field generated by live power cables and other metallic utilities to which a live line is grounded. In Radio mode, the C.A.T. detects buried conductors (cables or metallic pipes) as they conduct and re-transmit commercial broadcast radio energy. In Genny mode, the C.A.T. detects signal generated by the Genny transmitter. The Genny transmitter can be coupled directly (conductively) to exposed portions of a metallic pipe, cable, or wire or inductively to a subsurface metallic utility with known location and orientation.

TW-6

In order to detect unknown utilities, Enviroscan employed a Fisher TW-6 pipe and cable locator and tracer. In pipe and cable search mode, the TW-6 is essentially a deep-sensing metal detector that detects any highly electrically conductive materials (e.g. metals) by creating an electromagnetic field with a transmitting coil. A receiving coil at a fixed separation from the transmitter measures the field strength. As the instrument is swept along the ground surface, subsurface metallic bodies distort the transmitted field. The change in field strength/orientation is sensed by the receiver, setting off an audible alarm and/or causing deflection of an analog meter. The TW-6 can nominally detect a 2-inch metal pipe to a depth of 8 feet and a 10-inch metal pipe to a depth of 14 feet.

In pipe and cable tracing mode, the TW-6 transmitter can be coupled directly (conductively) to exposed portions of a metallic pipe, cable, or wire or inductively to a subsurface metallic utility with known location and orientation. The transmitter remains stationary and energizes or excites the metallic utility to be traced with an 81.92-kilohertz signal that can be traced at the ground surface using the mobile TW-6 receiver wand or probe.

GPR

GPR systems produce cross-sectional images of subsurface features and layers by continuously emitting pulses of radar-frequency energy from a scanning antenna as it is towed along a survey profile. The radar pulses are reflected by interfaces between materials with differing dielectric properties. The reflections return to the antenna and are displayed on a video monitor as a continuous cross section in real time. Since the electrical properties of metal are distinctly different from soil and backfill materials, metallic pipes and other structures commonly produce dramatic and characteristic reflections. Fiberglass, plastic, concrete, and terra-cotta pipes and structures also produce recognizable, but less dramatic reflections. Scanning was performed using a GSSI SIR-4000 GPR controller with an internal hard drive and a color display, and both a high-frequency, high-resolution 400 megaHertz (MHz) antenna or transducer, and a lower frequency deep-penetrating 200 MHz transducer.

Results Summary

The utility clearance survey results are depicted in Figures 1 through 3. The mapped utilities located during the survey are overlain on a base map of the site. The outlines of the proposed excavations appear as yellow polygons. Several utilities were found and marked in the field to pass through or near the proposed excavations.

The Results for H Block are depicted in Figure 1. Please note that the northern proposed excavation is near (and partially includes) a conductive soil anomaly detected in the EM-31 results from a survey performed for Tetra Tech in 2005. The southern proposed excavation is within an area of high conductivity soil. Neither area shows any metallic interference, indicating that the high conductivity is not from buried metal. Additionally, both proposed excavations are near a suspected metallic pipe or line, also delineated with the 2005 EM-31 data. This line was not detected during the field survey.

On Figure 2, the northern section of the G Block survey area is shown. Several GPR radargrams are depicted in the upper right hand corner of the map. These radargrams represent an anomaly found coincident with the southern proposed excavation in this figure. The radargrams are labeled A-A', B-B', and C-C'. Three magenta lines with similar labels are depicted on the map showing the locations of the radargrams. The radargrams show a highly disturbed area containing many radar reflective targets, suggesting buried debris. Scanning with the TW-6 metal detector found no metal in this area, indicating that the GPR anomaly is non-metallic.

Figure 3 depicts the southern section of G Block. Many of the proposed excavations in this figure have unknown utilities running near or through their boundaries. Examination of historic EM data for these excavations showed nothing of note.

Limitations

The above-referenced geophysical survey was completed using standard and/or routinely accepted practices of the geophysical industry and equipment representing the best available technology. Enviroscan does not accept responsibility for survey limitations due to inherent technological limitations or unforeseen site-specific conditions. However, we make every effort to identify and notify the client of such limitations or conditions. In particular, please note the following specific limitations and recommendations:

- Enviroscan's field markings should be considered accurate to within approximately +/-18 inches for single lines. In contrast, since electromagnetic tracing of duct banks provides only a centerline, the bank itself may extend for 2 to 3 feet beyond the marked trace.

- The completion of this survey does not relieve any party of applicable legal obligations to notify the appropriate One-Call center prior to digging or drilling.

As always, we appreciate this opportunity to have worked with you. If you have any questions, please do not hesitate to contact me.

Sincerely,
Enviroscan, Inc.



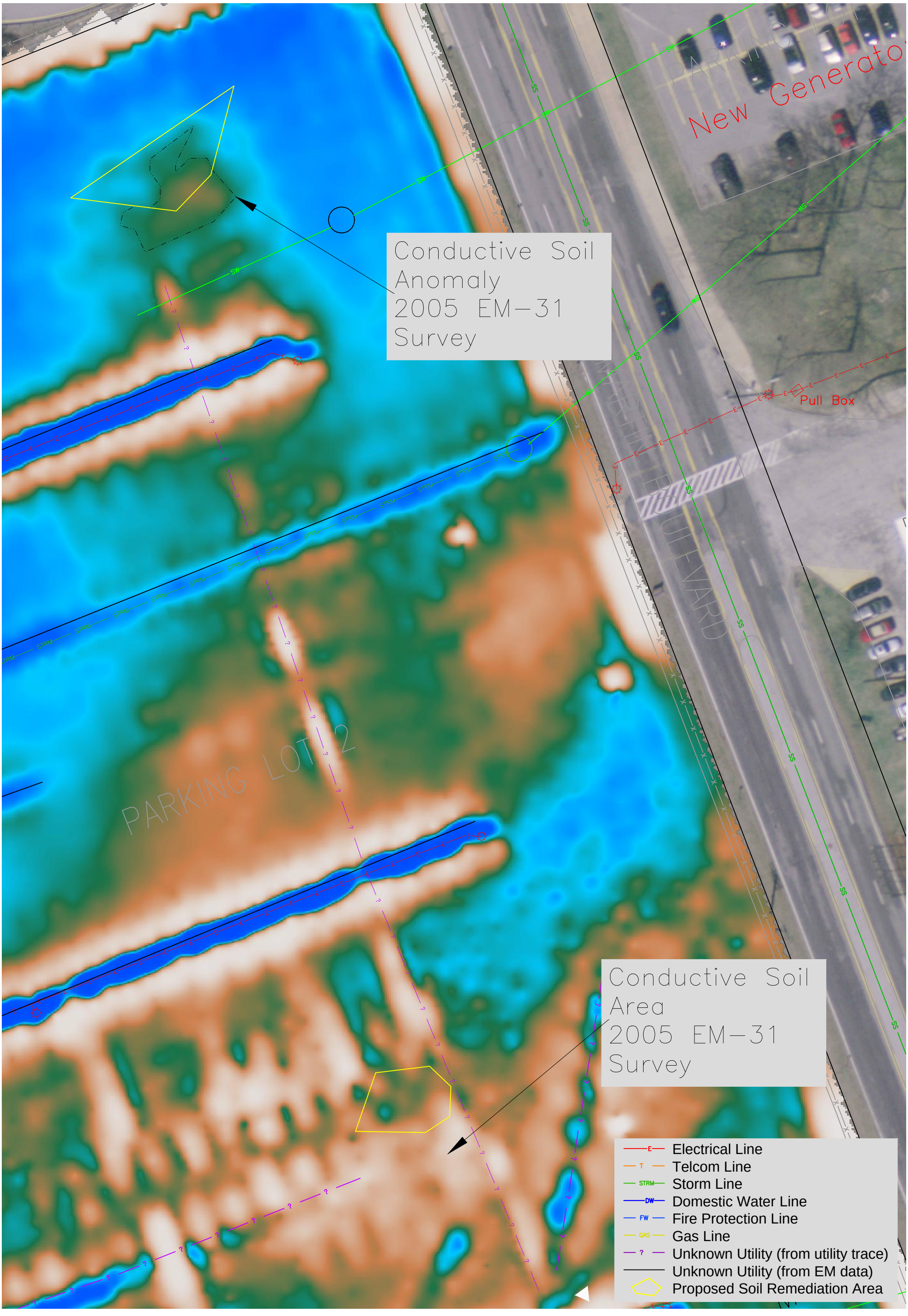
William E. Steinhart III, M.Sc., P.G.
Principal Geophysicist

Technical Review By:
Enviroscan, Inc.



Felicia Kegel Bechtel, M.Sc., P.G.
President

enc.: Figure 1: Utility Survey Results Block H
Figure 2: Utility Survey Results Block G North
Figure 3: Utility Survey Results Block G South



Terrain Conductivity (mmho/m)

-34 25 30 34 37 40 42 45 47 49 52 55 59 65 76 95

The information depicted on this drawing represents survey results on the date surveyed and can only be considered to be indicative of the general conditions existing on that survey date.

Coordinates in Maryland State Plane (feet) NAD-83 Datum.

Prepared by:

ENVIROSCAN, INC.

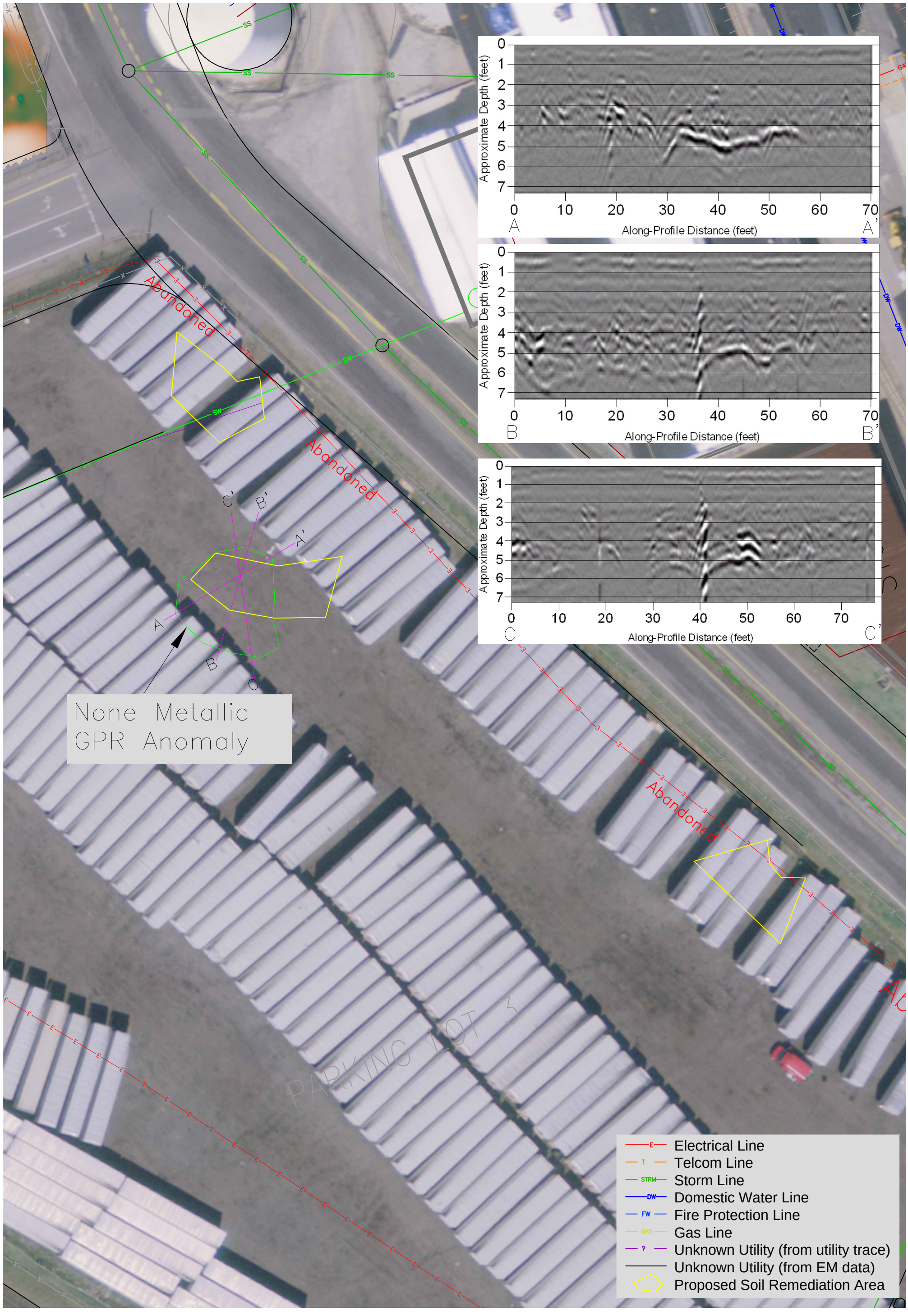
Enviroscan, Inc.
1051 Columbia Avenue
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Utility Survey Results Block H

H Block Survey Area
Middle River Complex
Middle River, MD

Figure 1

Project Number	Survey Date	Drawn by:
031548	04/15/15	WES
Original Scale	Revision/Issue	Approved by:
1" = 40'	04/30/15	FKB



The information depicted on this drawing represents survey results on the date surveyed and can only be considered to be indicative of the general conditions existing on that survey date.

Coordinates in Maryland State Plane (feet) NAD-83 Datum.

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Utility Survey Results Block G North

G Block Survey Area
Middle River Complex
Middle River, MD

Figure **2**

Project Number	Survey Date	Drawn by:
031548	04/15/15	WES
Original Scale	**Revision/Issue**	**Approved by:**
1" = 40'	04/30/15	FKB



The information depicted on this drawing represents survey results on the date surveyed and can only be considered to be indicative of the general conditions existing on that survey date.

Coordinates in Maryland State Plane (feet) NAD-83 Datum.

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Utility Survey Results Block G South

G Block Survey Area
Middle River Complex
Middle River, MD

Figure 3

Project Number	Survey Date	Drawn by:
031548	04/15/15	WES
Original Scale	Revision/Issue	Approved by:
1" = 40'	04/30/15	FKB

APPENDIX C—AIR-MONITORING DATA

Appendix C
Real Time Dust Tracking Data - May 20, 2015
Block H Construction Completion Report
Lockheed Martin Corporation Middle River Complex
Middle River, Maryland

Dust Track Monitor Label	Recording Start Time	Average Dust (mg/m^3)
Dust 1	07:30	0.012
	07:45	0.01
	08:00	0.01
	08:15	0.01
	08:30	0.01
	08:45	0.01
	09:00	0.01
	09:15	0.01
	09:30	0.01
	09:45	0.01
	10:00	0.01
	10:15	0.01
	10:30	0.011
	10:45	0.009
	11:00	0.01
	11:15	0.009
	11:30	0.009
	11:45	0.011
	12:00	0.008
	12:15	0.007
	12:30	0.011
	12:45	0.009
	13:00	0.009
	13:15	0.011
	13:30	0.011
	13:45	0.011
	14:00	0.014
	14:15	0.012
	14:30	0.013
	14:45	0.013
	15:00	0.011
	15:15	0.011
	15:30	0.009
	15:45	0.012
Dust 2	07:00	0.011
	07:15	0.013
	07:30	0.012
	07:45	0.016
	08:00	0.017
	08:15	0.018
	08:30	0.017

Appendix C
Real Time Dust Tracking Data - May 20, 2015
Block H Construction Completion Report
Lockheed Martin Corporation Middle River Complex
Middle River, Maryland

Dust Track Monitor Label	Recording Start Time	Average Dust (mg/m^3)
Dust 2	08:45	0.015
	09:00	0.017
	09:15	0.014
	09:30	0.016
	09:45	0.013
	10:00	0.016
	10:15	0.014
	10:30	0.015
	10:45	0.014
	11:00	0.014
	11:15	0.015
	11:30	0.013
	11:45	0.015
	12:00	0.018
	12:15	0.016
	12:30	0.014
	12:45	0.012
	13:00	0.014
	13:15	0.015
	13:30	0.016
	13:45	0.018
	14:00	0.019
	14:15	0.019
	14:30	0.021
	14:45	0.021
	15:00	0.018
	15:15	0.018
	15:30	0.014
	15:45	0.014
	16:00	0.014
Dust 3	07:00	0.01
	07:30	0.01
	07:45	0.01
	08:00	0.016
	08:15	0.012
	08:30	0.011
	08:45	0.011
	09:00	0.01
	09:15	0.009
	09:30	0.01
	09:45	0.011

Appendix C
Real Time Dust Tracking Data - May 20, 2015
Block H Construction Completion Report
Lockheed Martin Corporation Middle River Complex
Middle River, Maryland

Dust Track Monitor Label	Recording Start Time	Average Dust (mg/m^3)
Dust 3	10:00	0.012
	10:15	0.009
	10:30	0.008
	10:45	0.011
	11:00	0.01
	11:15	0.011
	11:30	0.007
	11:45	0.006
	12:00	0.007
	12:15	0.007
	12:30	0.008
	12:45	0.009
	13:00	0.011
	13:15	0.009
	13:30	0.01
	13:45	0.01
	14:00	0.011
	14:15	0.017
	14:30	0.012
	14:45	0.01
	15:00	0.01
	15:15	0.008
	15:30	0.008
	15:45	0.008
	16:00	0.009

Appendix C
Real Time Dust Tracking Data - May 21, 2015
Block H Construction Completion Report
Lockheed Martin Corporation Middle River Complex
Middle River, Maryland

Dust Track Monitor Label	Recording Start Time	Average Dust (mg/m^3)
Dust 1	06:45	0.011
	07:00	0.011
	07:15	0.01
	07:30	0.01
	07:45	0.01
	08:00	0.007
	08:15	0.006
	08:30	0.007
	08:45	0.008
	09:00	0.007
	09:15	0.008
	09:30	0.01
	09:45	0.012
	10:00	0.007
	10:15	0.008
	10:30	0.008
	10:45	0.009
Dust 2	06:45	0.014
	07:00	0.014
	07:15	0.022
	07:30	0.015
	07:45	0.013
	08:00	0.01
	08:15	0.01
	08:30	0.01
	08:45	0.01
	09:00	0.01
	09:15	0.01
	09:30	0.013
	09:45	0.015
	10:00	0.012
	10:15	0.012
	10:30	0.011
	10:45	0.011
	11:00	0.009
Dust 3	06:45	0.011
	07:00	0.011
	07:15	0.015
	07:30	0.01
	07:45	0.013
	08:00	0.007

Appendix C
Real Time Dust Tracking Data - May 21, 2015
Block H Construction Completion Report
Lockheed Martin Corporation Middle River Complex
Middle River, Maryland

Dust Track Monitor Label	Recording Start Time	Average Dust (mg/m^3)
Dust 3	08:15	0.006
	08:30	0.006
	08:45	0.006
	09:00	0.006
	09:15	0.006
	09:30	0.008
	09:45	0.011
	10:00	0.008
	10:15	0.008
	10:30	0.007
	10:45	0.007
	11:00	0.005

Appendix C
Real Time Dust Tracking Data - May 22, 2015
Block H Construction Completion Report
Lockheed Martin Corporation Middle River Complex
Middle River, Maryland

Dust Track Monitor Label	Recording Start Time	Average Dust (mg/m^3)
Dust 1	07:30	0.022
	07:45	0.021
	08:00	0.016
	08:15	0.014
	08:30	0.011
	08:45	0.011
	09:00	0.013
	09:15	0.011
	09:30	0.01
	09:45	0.014
	10:00	0.01
	10:15	0.01
	10:30	0.009
	10:45	0.01
	11:00	0.01
	11:15	0.008
	11:30	0.011
	11:45	0.009
	12:00	0.012
	12:15	0.009
	12:30	0.008
	12:45	0.008
	13:15	0.011
	13:30	0.014
	13:45	0.025
	14:00	0.008
	14:15	0.008
	14:30	0.008
	14:45	0.177
	15:00	0.051
	15:15	0.033
Dust 2	07:45	0.004
	08:00	0.022
	08:15	0.021
	08:30	0.023
	08:45	0.021
	09:00	0.019
	09:15	0.018
	09:30	0.017
	09:45	0.018
	10:00	0.018

Appendix C
Real Time Dust Tracking Data - May 22, 2015
Block H Construction Completion Report
Lockheed Martin Corporation Middle River Complex
Middle River, Maryland

Dust Track Monitor Label	Recording Start Time	Average Dust (mg/m^3)
Dust 2	10:15	0.018
	10:30	0.018
	10:45	0.017
	11:00	0.018
	11:15	0.016
	11:30	0.016
	11:45	0.016
	12:00	0.018
	12:15	0.016
	12:30	0.017
	12:45	0.016
	13:15	0.018
	13:30	0.018
	13:45	0.017
	14:00	0.017
	14:15	0.016
	14:30	0.016
	14:45	0.017
	15:00	0.017
	15:15	0.017
Dust 3	07:45	0.016
	08:00	0.017
	08:15	0.015
	08:30	0.015
	08:45	0.013
	09:00	0.012
	09:15	0.011
	09:30	0.009
	09:45	0.009
	10:00	0.01
	10:15	0.01
	10:30	0.008
	10:45	0.009
	11:00	0.008
	11:15	0.008
	11:30	0.007
	11:45	0.007
	12:00	0.008
	12:15	0.007
	12:30	0.007
	12:45	0.007

Appendix C
Real Time Dust Tracking Data - May 22, 2015
Block H Construction Completion Report
Lockheed Martin Corporation Middle River Complex
Middle River, Maryland

Dust Track Monitor Label	Recording Start Time	Average Dust (mg/m^3)
Dust 3	13:15	0.007
	13:30	0.007
	13:45	0.007
	14:00	0.006
	14:15	0.007
	14:30	0.007
	14:45	0.006
	15:00	0.007
	15:15	0.007

Appendix C
Real Time Dust Tracking Data - May 26, 2015
Block H Construction Completion Report
Lockheed Martin Corporation Middle River Complex
Middle River, Maryland

Dust Track Monitor Label	Recording Start Time	Average Dust (mg/m^3)
Dust 1	08:45	0.02
	09:00	0.03
	09:15	0.03
	10:30	0.055
	10:45	0.037
	11:00	0.044
	11:15	0.032
	11:30	0.03
	11:45	0.03
	12:00	0.033
	12:15	0.031
	12:30	0.045
	12:45	0.068
	13:00	0.026
Dust 2	08:30	0.027
	08:45	0.031
	10:30	0.038
	10:45	0.034
	11:00	0.035
	11:15	0.037
	11:30	0.037
	11:45	0.038
	12:00	0.036
	12:15	0.037
	12:30	0.035
	12:45	0.035
	13:00	0.034
	13:15	0.034
Dust 3	08:30	0
	10:30	0.029
	10:45	0.024
	11:00	0.024
	11:15	0.025
	11:30	0.026
	11:45	0.025
	12:00	0.024
	12:15	0.024
	12:30	0.024
	12:45	0.024
	13:00	0.023
	13:15	0.022

Dust Control and Air Monitoring and Sampling Plan for Soil Remedy Construction for Blocks D, D Panhandle, F, G, and H Lockheed Martin Middle River Complex 2323 Eastern Boulevard Middle River, Maryland

Prepared for:

Lockheed Martin Corporation

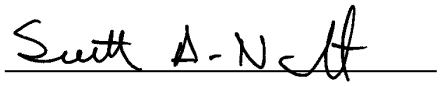
Prepared by:

Tetra Tech, Inc.

April 2015



Michael Martin, P.G.
Regional Manager



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ACRONYMS

µg/m^3	microgram(s) per cubic meter
µm	micron (micrometer)
ABIH	American Board of Industrial Hygiene
ACGIH	American Conference of Industrial Hygienists
AIHA	American Industrial Hygiene Association
CAS	Chemical Abstract Services
CIH	Certified Industrial Hygienist
COC	chain of custody
CSLO	crystalline silica
HD	Higgins-Dewell
IH	industrial hygiene; industrial hygienist
Lockheed Martin	Lockheed Martin Corporation
mg	milligram
mg/m^3	milligram per cubic meter
mm	millimeter
MRC	Middle River Complex
NA	not applicable or not available
NIOSH	National Institute for Occupational Safety and Health
NMAM	NIOSH Manual of Analytical Methods
OSHA	Occupational Safety and Health Administration
PAHs	polycyclic aromatic hydrocarbons
PAHL	polycyclic aromatic hydrocarbons- low volume
PEL	permissible exposure limit
PTFE	polytetrafluoroethylene
QC	quality control
R	respirable
RTDs	real-time detection
T	thoracic
Tetra Tech	Tetra Tech, Inc.
TLV-TWA	threshold limit value-time weighted average
USEPA	United States Environmental Protection Agency

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Section 1
Introduction

This dust control and air monitoring and sampling plan describes the monitoring procedures that will be used during soil excavation and remediation activities to control airborne and air-driven dusts. Airborne dusts can be generated during the following excavation and remediation activities:

- Excavation of contaminated soil within identified tax blocks –Potential dust generation is anticipated to be low to moderate, and easily controlled via water misting.

- Loading and unloading of transportation vehicles – Potential dust generation is anticipated to be low to moderate, and can occur during transfer of excavated material from the excavator or loader into the transportation vehicle, or during restoration when trucks dump backfill material on-site. Loading at a higher vantage point increases mechanical agitation, thereby increasing potential dust generation. Dust generation is expected to decrease as more material is loaded into the vehicle and drop distance decreases. Dust generated during loading activities can be easily controlled by misting soil with water, and by soil transit.

- Degradation of haul roads or construction entrance resulting from heavy traffic use – Potential dust generation is anticipated to be moderate to high. As the road surface pulverizes it becomes more easily airborne. However, travel distances are minimal, and generated dust can be easily controlled via water misting.

- Tracking soils from tax blocks onto improved and unimproved roadways – Potential for dust generation is anticipated to be low. To minimize this potential, trucks will be examined prior to leaving the Tax block for residual soils (mud on the tires). In these cases, the trucks will be routed through the adjacent decontamination unit for pressure washing wheels, tires, and undercarriage before exiting onto in-plant and public thoroughfares.

Airborne dusts may also result from high winds. In addition, any eroded soil or sediment resulting from rainfall can also dry out and become airborne if agitated. The implementation of the Erosion and Sediment Control Plan (Tetra Tech, March 2015) is designed to prevent this from occurring.

In general, dust generation can be controlled by misting dry soil and road surfaces, by keeping soil stockpiles covered and/or vegetated (based on anticipated storage time) and by managing soil excavation, dumping and grading operations.

Section 2
Dust Suppression Methods

Dust generation is mitigated by applying water to knock down or pre-saturate media, thereby preventing particulates from becoming airborne during mechanical action. Substances that draw or retain water (e.g., calcium chloride) can be added to the water to extend the suppression period. Calcium chloride can also be applied to road or other exposed soil surfaces directly, either as a solid or as a 30% solution. Dust generation can be minimized as follows:

- Water trucks with spray nozzles and hose attachments will be used to mist surfaces used by vehicles; a hose can be used for spot treatment and where necessary during loading and unloading operations.

- Separate portable tanks and systems can be placed at the decontamination pad, at the wheel wash and stabilized construction entrance.

- Power brooms can be used to collect and remove soil and sediment from improved surfaces and from paved travel routes. These devices are equipped with water tanks to minimize dust generation during sweeping/collection.

- Correct placement of the stabilized construction entrance and decontamination pad in relationship to public roadways can help limit construction dust to the work area. Vehicles will be decontaminated by washing to remove stuck on soil and sediment. The stabilized construction entrance will shake off material on wheels and tires, and provide a final soil collection point within the tax block (in the contamination reduction zone).

- Housekeeping – Prompt cleanup of soil spilled during loading/transport helps prevent spread and cross contamination both within, and the spread of contamination outside of the tax block.

- Soil staging areas/soil stockpiles – Excavated soil will be staged in piles and covered to prevent erosion including dust spread by overland transport of soil by runoff. Backfill soil can be stockpiled and vegetated to minimize erosion until it is needed.

2.1 DUST SUPPRESSION ON IMPROVED ROAD SURFACES

As stated in previous text, efforts to reduce dust on improved road surfaces will be made through:

- Vigilant inspections of vehicles leaving the construction sites
- Diligent employment of the decontamination process to remove visual soils from trucks/trailers and
- Through proper construction and maintenance of engineered temporary control measures including stabilized construction entrances and erosion and sediment control traps to control migration of soils from trucks to these areas.

Normal travel areas such as paved on-facility roads and improved surfaces (e.g., parking lots) will be visually monitored to ensure soil and sediment are not tracked onto these surfaces. If it is, the following actions will take place:

1. Load outs and deliveries will be temporarily suspended until source is identified and cleaned.
2. The frequency of housekeeping measures will be increased to minimize and, if possible, eliminate reoccurrence. The frequency of wheel washing before leaving the tax block will also be increased if necessary, as will the frequency of wet sweeping paved on-facility roads and parking lots.
3. Power broom affected areas will be wet to remove residual accumulation. If necessary, a combination of the water truck and power broom can be used.

2.2 DUST SUPPRESSION ON AGGREGATE BASED HAUL ROADS

The degradation of on-site haul roads can be one of the largest contributors to airborne dusts during remediation activities. Quarried limestone will be used to stabilize the construction entrance, and as a construction aggregate for driving surfaces. Dust generation if it occurs would be expected to be higher at turnaround points, sharp turns, and changes in elevation, where the surface is worn due to repeated traffic patterns that pulverize surface materials. As traffic moves over the surface, particulates are reduced in size and can become airborne more easily. To combat these effects, the following dust control measures will be used on haul roads:

- As the surface becomes more worn and pulverized, dust will become more of an issue. The water truck will be used more frequently to control dust emissions as the road degrades. Note that over-watering can cause slurry conditions that will result in tracking the material onto roadways, and therefore must be prevented. It should be noted that with the length of the planned haul roads within the tax blocks and the sizes of the stone to be used in the stabilized construction entrances, the slurrying aspect is considered negligible but recognized.

- To further control fugitive dust production on unpaved haul roads, solid calcium chloride or a calcium chloride solution (in water) can be applied. Calcium chloride attracts and retains moisture and helps keep the road surface slightly damp, thus reducing dust production. A 30% calcium chloride solution can also be applied. Calcium chloride binds with lime due to its chemical composition; the magnesium within the limestone/dolomite forms a crust that helps to retain fines and minimize dust generation and erosion.

- Areas of more vulnerable to severe pulverization may be resurfaced with additional aggregate and watered and re-compacted more frequently to maintain the surface.

Haul roads and impervious areas are used to provide a travel surface, but also provide separation from the underlying contaminated soil in the exclusion zone. Therefore, the following controls must be diligently applied

- Good housekeeping - Personnel must diligently clean up contaminated soil spills on pervious and impervious surfaces to avoid potential cross-contamination through construction vehicles tracking the materials into unaffected areas.

- Decontamination - Trucks/Trailers will be routed through the decontamination pad so that wheels and tires can be pressure-washed before exiting over the stabilized construction entrance as an additional control measure to prevent contaminated and uncontaminated construction materials from leaving the exclusion and/or contamination reduction zone.

- Visual inspection – Only trucks/trailers visually inspected and approved as clean will be released from the site.

Public or private roadways within the facility will be visually monitored for the presence of tracked construction materials (limestone residue; surface soil, etc.), and will be addressed according to procedures outlined in Section 2.1, which would be to wet broom any indication of limestone residue from the affected roadways. The plan view drawing for each tax block indicates wheel wash locations, vehicle exit points, and excavation limits. These are provided in Appendix A.

2.3 CRYSTALLINE SILICA

To assess the potential for exposure to crystalline silica (quartz), bulk samples will be collected to evaluate percentage composition to determine if silica is present in greater than 1% composition. In addition, respirable air samples will be collected to determine if airborne concentrations of crystalline silica within airborne dusts also are present in concentrations greater than 0.05mg/m^3. Dolomitic limestone will be used as a construction aggregate in construction entrances and as a wear surface for haul roads and is a potential source for crystalline silica. Table 2-1, LaFarge Material Safety Data Sheet excerpt contains a list of dolomitic limestone geochemical constituents and associated percent concentrations.

Additionally, the soils to be excavated may also contain crystalline silica and will serve as a potential source contributor.

2.4 DUST DETECTION USING REAL-TIME DETECTION (RTD) MONITORING EQUIPMENT

Dust control efforts for larger particles (greater than 7.0 microns [µm] in concentrations greater than 3.0 milligrams per cubic meter [mg/m^3] air) will be assessed visually, but dust outside the visible spectrum (less than 7.0 µm in size and less than 3.0 mg/m^3 in concentration) will be assessed via real time detection (RTD) monitoring instrumentation that measures airborne concentrations of respirable particulates.

Respirable fractions can pass deeper into the lungs and can pose a potential local (acute) and systemic (chronic) hazard and affect human health.

Respirable particulates may be expelled during exhalation; trapped within the mucus and expelled through the mucociliary tract, or become lodged in the lungs. Because respirable dusts due to their size cannot be seen by the naked eye, visual observations cannot be used for its control. Frequent water application during any dust generating activities, and/or in response to traffic density, will be used as a precautionary control measure. However, RTD readings must be used to assess the effectiveness of (respirable) dust control. The RTD monitor will be linked via telemetry to transmit alerts or texts when action levels are being approached, so that controls can be instituted before action levels are exceeded.

Permissible Exposure Limits (PELs)/Time Weighted Averages (TWAs)

Through an evaluation of previous soil media sampling results of the materials to be excavated, mathematical evaluations were conducted to determine potential airborne concentrations (worst case scenario) based on source concentrations of various identified contaminants. These values were compared to PELs/TWAs to determine if an exceedance of these limits were theoretically possible. The following information are the PELs/TWAs for the contaminants of concern:

- Crystalline silica [American Conference of Industrial Hygienists (ACGIH) — 0.025 mg/m^3 (used to screen the limestone used for haul roads [up to 20% may be comprised of crystalline silica – quartz] and soil components) from a selected representative excavation.

- Polycyclic aromatic hydrocarbons (PAHs) — 0.2 mg/m^3 as coal tar pitch volatiles — used to screen the excavated soil components from selected representative tax blocks.

- Metals (arsenic and hexavalent chromium) (0.01 mg/m^3 and 0.005mg/m^3, respectively) were reported in very low concentrations within bulk samples collected on the surface. Mathematical calculations indicate there are insufficient source concentrations to present an inhalation exposure concern. However, as these materials are a solid, they will be captured in the RTD result.

RTD Action Levels

The following action levels will be used for all PAHs laden soils (including BaPEq) (as determined by the evaluation of soil concentrations) and percent silica:

Tax Block D:—5 mg/m^3 - Based on the highest reported concentration (22,517µg/kg) of Benzo(a)pyrene Equivalent (BaPEq); dust concentrations would have to exceed over 2,000 mg/m^3 to represent an exposure concern to this specific BaPEq compound. Of this Total dust value, the respirable dust faction will represent only a small fraction. Therefore this action level is considered very conservative.

Tax Block D-Panhandle:—5 mg/m^3 - Based on the highest reported concentration (6,008 µg/kg) of Benzo(a)pyrene Equivalent (BaPEq); hexavalent chromium 1.2 µg/kg. Airborne dust concentrations would have to be well in excess of 600,000 mg/m^3 to exceed the mixture PEL/TWA for these compounds. Of this Total dust value, the respirable dust faction will represent only a small fraction. Therefore this action level is considered very conservative.

Tax Block F:—5 mg/m^3 - Based on the highest reported concentration (38,098µg/kg) of Benzo(a)Pyrene Equivalent (BaPEq), dust concentrations would have to exceed 1,315 mg/m^3 in order to represent an exposure concern to exceed the PEL/TWA for this compound. Of this Total dust value, the respirable dust faction will represent only a small fraction. Therefore this action level is considered very conservative.

Tax Block G:—5 mg/m^3 - Based on the highest reported concentration (24,698µg/kg) of Benzo(a)pyrene Equivalent (BaPEq), dust concentrations would have to exceed 1315 mg/m^3 in order to represent an exposure concern to exceed the PEL/TWA for this compound. Note: One sample G-TP-D-N with a reported concentration of 230,000µg/kg, would require airborne dust levels to exceed 217 mg/m^3 in order to present an exposure concern to this compound. Of this Total dust value, the respirable dust faction will represent only a small fraction. Therefore this action level is considered very conservative.

Tax Block H:—5 mg/m^3 Based on the highest reported concentration (460,008µg/kg) of Benzo(a)Pyrene Equivalent (BaPEq), dust concentrations would have to exceed 1,087 mg/m^3 in order to represent an exposure concern to exceed the PEL/TWA for this compound. Of this Total dust value, the respirable dust faction will represent only a small fraction. Therefore this action level is considered very conservative.

Given the reported soil concentrations and excavation dimensions, it is unlikely that exceedances greater than a chemical-specific time-weighted average - threshold limit values (TWA-TLVs) or permissible exposure limits (PELs) will be observed In addition, these action levels represent 50% of the concentration associated with overexposure, making the action levels even more conservative and protective of human health. These action levels also provide protection from total and respirable dust particulates not otherwise classified.

Table 2-1

LaFarge Materials Safety Data Sheet Excerpt,
Chemical Composition – Limestone and Dolomite
Lockheed Martin, Middle River Complex

Component	Percent (By Weight)	CAS Number	OSHA PEL -TWA (mg/m^3)	ACGIH TLV-TWA (mg/m^3)	LD_{50}	LC_{50}
Calcium Carbonate*	50-100	1317-65-3	15 (T), 5 (R)	10 (T)	NA	NA
Magnesium Carbonate*	0-50	546-93-0	15 (T), 5 (R)	3 (R); 10 (T)	NA	NA
Crystalline Silica (as Quartz)	0-15	14808-60-7	[(10) / (%SiO_2+2)] (R); [(30) / (%SiO_2+2)] (T)	0.025 (R)	NA	NA
Particulate Not Otherwise Regulated	-	NA	5 (R) 15 (T)	3 (R); 10 (T)	NA	NA

Note: Exposure limits for components noted with an * contain no asbestos and <1% crystalline silica

The following table describes the mineral composition of Limestone and Dolomite.

Rock Type	Rock	Mineral	Mineral Formula	Mineral Composition
Sedimentary Rocks	Limestone	Calcite and Aragonite	$CaCO_3$	Calcium Carbonate
		Clay Minerals	(Mg, Al) Si_3O_{12}	Magnesium Aluminum Silicate
		Chert or Diatomite	SiO_2	Silicon Dioxide
	Dolomite (Dolostone)	Dolomite	$CaMg(CO_3)_2$	Calcium Magnesium Carbonate
		Clay Minerals	(Mg, Al) Si_3O_{12}	Magnesium Aluminum Silicate
		Chert or Diatomite	SiO_2	Silicon Dioxide
Crystalline silica content: Sedimentary types 1-20%; Quartz 100%.				

Source: *LaFarge Material Safety Data Sheet Limestone & Dolomite, Revised 03/01/2014*

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Section 3
Real Time Detection (RTD) Monitoring Instrumentation

Area and personal real-time detection (RTD) monitoring instrumentation will be used during remediation activities for at-risk populations, including ground personnel and equipment operators, to assess whether working in the excavation areas are potentially being overexposed to dust generated from contaminated soil. Perimeter air monitoring will be conducted to determine if dust control measures are performing as desired, or if dust concentrations greater than acceptable limits are putting others at risk. Perimeter monitoring will use RTD monitoring instrumentation at multiple locations (one location upwind, and two to three downwind) at identified cardinal points. Area monitors will be placed at or near the fence lines and/or associated tax block demarcations. Final placement will be determined in the field based on existing (real time) environmental conditions.

3.1 SELECTED INSTRUMENTATION

The Dust Trak II, Aerosol Monitor PM 2.5 8530 Desk Top Model will be used to monitor airborne dusts/particulates. This instrument comes with an environmental enclosure and tripod unit that permits the air intake to be set at varying vertical elevations. The environmental enclosure is equipped with a wireless modem to permit real time notification and alerts.

The SidePak AM510 Personal Aerosol Monitor is a personal monitor that can be worn on a belt with the air intake positioned within the breathing zone of high risk personnel. High-risk personnel are those based on their assigned tasks would place them in areas where dust exposure would have the potential to be the greatest. These persons would include ground support personnel employed to direct and oversee truck loading, survey personnel and equipment operators. Specification sheets for RTD air monitoring instrumentation are in Appendix B.

3.2 RTD POSITIONING

Monitoring instrumentation for RTD will be spatially positioned to detect, measure, and display dust concentrations from the one upwind and 2-3 selected downwind positions on the perimeter of each tax block, based on wind direction and variability in wind direction. Variations in placement are possible based on actual field conditions.

Each tax block will be marked for 15 cardinal positions (north, north-northeast, east-northeast, east, east-southeast, etc.). The final distance or placement of the instrument from the source will be determined in the field, based on wind direction (along with site orientation), wind speed, and visual observations. If visible dust appears to be carrying over established stations, monitors may be moved.

3.3 FREQUENCY OF MONITORING

Air monitoring will be performed within each tax block to measure airborne dust concentrations at the perimeter of the work area, and for personnel occupying potential high exposure risk locations (selected ground personnel and equipment operators) in addition to assessing the efficacy of the dust control measures.

- **Base Monitoring Frequency** - Air monitoring using RTDs will be conducted daily to monitor generation of dust and potential off site migration. RTDs will be positioned and monitored continuously during activities that could potentially generate airborne dusts.

- If predetermined action levels as specified in section 2.4 are approached, the frequency of dust-control measures will be increased, as will monitoring intensity, to reduce airborne dust levels and to quantify success.

- The highest concentrations of polycyclic aromatic hydrocarbons (PAHs/BaPEq) in soil were in Block F. Therefore, additional air sampling will be conducted in this tax block during remediation activities.

- The frequency of the dust monitoring may be reduced if sufficient data establish contaminant concentrations below action levels.

- Monitoring for airborne dusts/particulates will not be conducted during rain events, because rain washes dust and particulates from the air. Monitoring during heavy rains may also damage instrumentation.

3.4 METEOROLOGICAL DATA

Meteorological data will be gathered from a portable meteorological station positioned at each tax block during remediation activity. Additional meteorological data will also be obtained from a station at the Martin State Airport. Wind socks will be placed at two locations at each tax block during remediation activities as these provide visual indication of wind direction and speed. Meteorological data for each work day will be downloaded and maintained as part of the project record.

3.5 RECORDKEEPING

All particulate monitors will be set to record data (data logging) as it is collected during potential dust generating activities as defined in Section 1. Data will be downloaded periodically to avoid overwriting any data collected during instrument operation. The placement of the instruments (based on meteorological data), distances from potential dust and particulate sources, and any information that may affect the outcome of the data or derived results will also be recorded either electronically or written within a logbook.

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Section 4
Air Sampling

Air sampling (the collection of analytical air samples for PAHs and crystalline silica) will be conducted to:

- Assess personal exposure of those persons working within high exposure risk job classifications including ground support personnel and equipment operators.
- Gather information to support the validity of air monitoring results obtained through the use of RTDs.
- Obtain data to support the efficacy of dust control measures employed.

Air sampling will not be conducted at each tax block. It will however be conducted at:

- The start of the project in an effort to correlate real-time detection (RTD) instrumentation data with collected sample data.
- Air samples will also be collected at Tax Block F, as it has the highest reported polycyclic aromatic hydrocarbon (PAH) concentrations in soil.
- Air samples shall be collected to quantify dust generation during those activities as defined in Section 1.

The SSHO will determine when and where additional air samples shall be collected based on derived field data and field observations.

4.1 POLYCYCLIC AROMATIC HYDROCARBONS (PAHS)

PAHs, including BaPEq, represent the most abundant contaminant within the soils for all of the tax blocks. Air sampling for PAHs (including BaPEq) will be conducted using:

- **NIOSH Manual of Analytical Methods (NMAM) Number 5506** – uses a 37 millimeter (mm), 2-micron (µm) polytetrafluoroethylene (PTFE, i.e., Teflon®) filter + washed XAD sorbent tube (100 milligram [mg] front section; 50 mg back section); during collection, the XAD tube is placed in a tube holder to protect against ultraviolet (UV) light and temperature degradation.

- **Sample flow rate:** two liters per minute for a preferred eight-hour time frame. Shorter sample runs may be collected provided minimum volume is obtained.
- **Pump calibration** - with a representative media in line.
    - volume (minimum): 200 liters
    - volume (maximum): 1000 liters
- **Shipment:** transfer filters to culture tubes; wrap sorbent and culture tubes in aluminum foil; ship at 0 degrees Centigrade (C).
- **Sample stability**: protect from heat and UV light.

The NIOSH methodology used for PAH sampling is in Appendix C.

4.2 CRYSTALLINE SILICA

We have determined that silica is contaminant that best represents the potential exposure scenario for total dust or respirable dust particulates, not otherwise classified. The NIOSH methodology used for silica sampling is in Appendix C. Air sampling for crystalline silica will be conducted using:

- **NIOSH Method 7500:** silica is present in excavated or backfilled soil band can be liberated from degrading dolomitic limestone placed on haul roads.
- **Sampler:** cyclone + filter (10-mm nylon cyclone, Higgins-Dewell cyclone, or aluminum cyclone + 5-µm polyvinyl chloride membrane)
- **Flow rate:** nylon cyclone: 1.7 L/min; HD cyclone: 2.2 L/min; aluminum cyclone: 2.5 L/min
    - Volume (minimum): 400 liters
    - Volume (maximum): 1000 liters
- **Shipment:** routine
- **Sample stability:** stable

4.3 QUALITY ASSURANCE/QUALITY CONTROL

The site safety and health officer (SSHO) or the industrial hygiene (IH) technician will conduct quality assurance/quality control (QA/QC) by ensuring that proper sampling, collection, and chemical analysis procedures were followed. QA/QC procedures assess the precision, accuracy, representativeness, and comparability of monitoring results.

4.4 SAMPLE NUMBERING AND MANAGEMENT

The SSHO or the IH technician will record all air samples on chain-of-custody (COC) forms. Each COC form will include:

- the identification numbers of the samples collected on a given day
- time(s) (on- and off-duration) of collection
- estimated flow rate
- total volume of air collected
- names of the samplers
- any pertinent information regarding the sampling event that may affect sampling results

The COC form will identify the requested chemical analyses, and the record of the release and custody to document sample possession. The SSHO, IH technician, or appropriate designee is responsible for the care and custody of the samples collected until they are delivered to the analytical laboratory or entrusted to a carrier. Transfer of custody to another party is formally documented on the COC form. Sample logs or other records will be signed and dated according to protocol. Containers used to ship samples will be sealed according to United States Environmental Protection Agency (USEPA) requirements to maintain sample integrity, and the shipments will be accompanied by the COC record identifying the contents. The COC may be carbon copy or electronic, providing the necessary information is provided. One copy of the COC record will accompany the shipment, and the SSHO or the IH Technician will retain another copy of each COC. A sample of the COC custody form is in Appendix D.

4.4.1 Nomenclature for Ambient Air Samples

Perimeter air samples will be collected at up to four of 15 cardinal positions (north, north-northeast, northeast, east-northeast, east, east-southeast, etc.). Sample nomenclature used to identify air samples will be identified by the facility (Middle River Complex [MRC]), followed by the tax block, followed by the media type (AS for air sample) and its sequential number, followed by the sample category (perimeter, operator, or ground support), the analytical code (PAH-low volume [PAHL] or crystalline silica [CSLO]), followed by the sampling date. For

example, sample MRC-BLDA-S01-PER-PAHL-022615 represents the first air sample collected at Block D along the perimeter, for PAHs-low volume on February 26, 2015.

4.4.2 Quality Control (QC) Sample Numbering

The QC code will consist of a three- to four-segment alpha-numeric code that identifies the sample QC type, the date the sample was collected, and the number of this type of QC sample collected on that date. QC types are identified as field duplicate (FD) or method blanks (MB), and the valid matrix code is air sample (AS). The sampling time recorded for duplicate samples on the COC form and labels will be "0000" so that the samples are "blind" to the laboratory. Notes detailing the duplicate sample number, time, date, and type will be recorded on the sample log sheet and in the field log book to document its location. The time on blind samples will always be recorded as "0000" on the COC. Sample log sheets are not provided to the laboratory.

4.4.2.1 Field Duplicates

Field duplicates are collected to check the laboratory accuracy under identical conditions. Duplicate samples will be collected side by side with the original. Duplicate nomenclature will consist of QC type (FB or MB), followed by sample type (AS), followed by analytical code (PAH-L or CSLO), followed by the date, followed by a sequential number. For example, sample FD-AS-PAHL-021615-001 indicates a field duplicate for an air sample analyzed for PAHs and collected on February 16, 2015, with a sequential number (001) assigned by the SSHO and/or the IH technician. Field duplicates will be collected for each analysis at Blocks D, D-Panhandle, F, G, and H at a frequency of one QC sample per ten analytical air samples.

4.5 RECORDKEEPING

4.5.1 Air Sample Log Sheets

Each sample will be recorded on a sample log sheet or multi-sample log sheet. These forms are used to document daily air sampling activities and other pertinent on-site information that may impact the collection of samples. Examples of log sheets are in Appendix D.

4.5.2 Calibration Record

Calibration of the air sampling pumps will be recorded on the "Air Sample/Multi-Air Sample Log Sheet" provided in Appendix D.

4.6 DATA MANAGEMENT

Data management procedures used in this dust control and air monitoring/sampling plan are designed to ensure that all sampling and analytical data are collected, stored, and maintained in an efficient and secure environment, so the data quality meets the plan objectives. The efficiency of the data management process will be maximized by using standardized data collection and review procedures.

4.7 DATA QUALITY REVIEW

Data quality review will be conducted on all ambient samples to determine whether analytical laboratory data collected are of acceptable quality for use in decision-making. This review begins with data validation, which is a comparison of data quality indicators (DQIs) to prescribed acceptance criteria. The DQIs are measures used to assess the completeness, sensitivity, accuracy, precision, comparability, and representativeness of the sample collection and sample analysis process. The output of this review is a set of alphabetic flags such as "U" – not detected, "J" - estimated, "R" - rejected, or combinations thereof that may apply to individual results based on its validation. These flags infer the general quality of the data.

4.7.1 Certified Industrial Hygienist (CIH) Review

All data collected during air sampling efforts will be submitted to a CIH, who will approve or identify discrepancies within sample collection, analytical screening, and/or laboratory reporting. Data analyzed will include air sample log sheets, COC forms, calibration records, calculations of air volumes, and laboratory-provided information.

Table 4-1

Sample Summary Table
Lockheed Martin Middle River Complex
Page 1 of 3

Sample Number	Media	Comments
Geotechnical Particulate Sieve Analysis		
MRC-SS-BL___MMDDYR-0001	Soils	Geotechnical Soil Particulate analysis
MRC-SG-BL___MMDDYR-0001	Dolomitic limestone	Geotechnical Dolomitic limestone Particulate analysis
Air Sampling Block ___ – Perimeter (Area) Samples		
MRC-BL_-AS_ _PER-PAHL-mmddyr	PAH analysis	Perimeter air sample collected during potential dust generating activities – up wind
MRC-BL_-AS_ _PER-PAHL-mmddyr	PAH analysis	Perimeter air sample collected during potential dust generating activities – down wind
MRC-BL_-AS_ _-PER-PAHL-mmddyr	PAH analysis	Perimeter air sample collected during potential dust generating activities – down wind
MRC-BL_-AS_ _-PER-CSLO-mmddyr	Crystalline silica – respirable dust	Perimeter air sample collected during potential dust generating activities – down wind
MRC-BL_-AS_ _-PER-CSLO-mmddyr	Crystalline silica – respirable dust	Perimeter air sample collected during potential dust generating activities – down wind
MRC-BL_-AS_ _-PER-CSLO-mmddyr	Crystalline silica – respirable dust	Perimeter air sample collected during potential dust generating activities – down wind

Table 4-1

Sample Summary Table
Lockheed Martin Middle River Complex
Page 2 of 3

Sample Number	Media	Comments
Air Sampling Block ___ – High Risk Personnel - Personal Air Samples		
MRC-BL_-AS_ _-PER-CSLO-mmddyr	Crystalline silica – respirable dust	Perimeter air sample collected during potential dust generating activities – down wind
MRC-BL_-AS_ _-OPR-PAHL-mmddyr	PAH analysis	High Risk Personnel – Personal Air Samples to quantitate exposure potential within these job classifications considered high risk (for exposure)
MRC-BL_-AS_ _-OPR-PAHL-mmddyr	Crystalline silica – respirable dust	High Risk Personnel – Personal Air Samples to quantitate exposure potential within these job classifications considered high risk (for exposure)
MRC-BL_-AS_ _-GRD-PAHL-mmddyr	PAH analysis	High Risk Personnel – Personal Air Samples to quantitate exposure potential within these job classifications considered high risk (for exposure)
MRC-BL_-AS_ _-GRD-PAHL-mmddyr	Crystalline silica – respirable dust	High Risk Personnel – Personal Air Samples to quantitate exposure potential within these job classifications considered high risk (for exposure)

Table 4-1

Sample Summary Table
Lockheed Martin Middle River Complex
Page 3 of 3

Quality Control Samples			
Sample Number	**Analysis**	**Frequency**	**Comments**
FD-ASPAHL-mmddyr__ __	PAH analysis	Duplicate – 1 for every 10 air samples collected	Duplicate air sample collected within the immediate proximity and flow rate to establish duplicate conditions
FD-ASCSLO-mmddyr__ __	Crystalline silica – respirable dust analysis	Duplicate – 1 for every 10 air samples collected	Duplicate air sample collected within the immediate proximity and flow rate to establish duplicate conditions
MB-ASPAHL-mmddyr__ __	Method blank for PAH analysis	Method blank	The media employed in these samples will travel and be exposed to all of the same conditions that the samples are exposed with the exception, there will be no active air drawn across or through this media. The sample media will be opened then sealed up, then subjected to the same shipping constraints as the sample media.
MB-ASCSLO-mmddyr__ __	Method blank for crystalline silica, respirable dust analysis	Method blank	The media employed in these samples will travel and be exposed to all of the same conditions that the air samples are exposed to with the exception, there will be no active air drawn across or through this media. The sample media will be opened then sealed up, then subjected to the same shipping constraints as the sample media.

Section 5
References

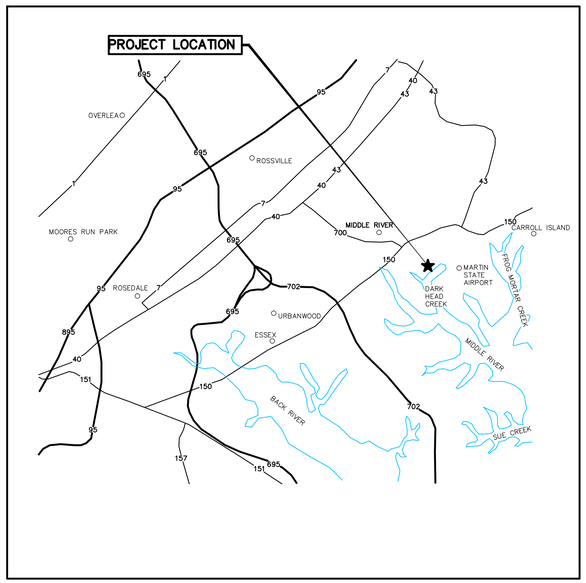
1. Grading and Erosion and Sediment Control Plan for Soil Remedial Action, Lockheed Martin Middle River Complex, Middle River, Maryland, Tetra Tech, March, 2015.

2. LaFarge Material Safety Data Sheet Limestone & Dolomite, Revised 03/01/2014.

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APPENDIX A—EXCAVATION AREAS IN TAX BLOCKS D; D-PANHANDLE; F; G; AND H

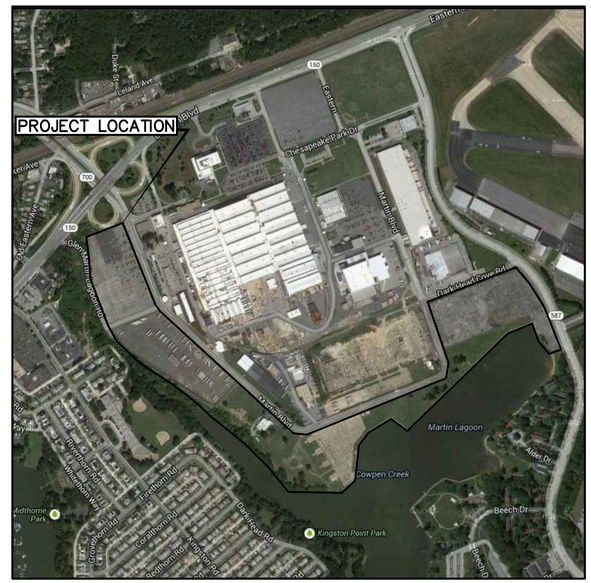
GRADING AND
EROSION AND SEDIMENT CONTROL PLAN FOR
SOIL REMEDIAL ACTION
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND



PROJECT VICINITY MAP
NOT TO SCALE

DRAWING INDEX

SHEET NO.	SHEET TITLE
T-1	TITLE SHEET
T-2	GENERAL NOTES, GRADING NOTES, AND LEGEND
C-1	FACILITY WIDE EXISTING CONDITIONS
C-2	BLOCK D – EXISTING CONDITIONS
C-3	BLOCK D PANHANDLE – EXISTING CONDITIONS
C-4	BLOCK F – EXISTING CONDITIONS
C-5	BLOCK G – EXISTING CONDITIONS (SHEET 1 OF 2)
C-6	BLOCK G – EXISTING CONDITIONS (SHEET 2 OF 2)
C-7	BLOCK H – EXISTING CONDITIONS
C-8	EROSION AND SEDIMENT CONTROL NOTES
C-9	BLOCK D – GRADING AND EROSION & SEDIMENT CONTROL PLAN
C-10	BLOCK D PANHANDLE – GRADING AND EROSION & SEDIMENT CONTROL PLAN
C-11	BLOCK F – GRADING AND EROSION & SEDIMENT CONTROL PLAN
C-12	BLOCK G – GRADING AND EROSION & SEDIMENT CONTROL PLAN (SHEET 1 OF 2)
C-13	BLOCK G – GRADING AND EROSION & SEDIMENT CONTROL PLAN (SHEET 2 OF 2)
C-14	BLOCK H – GRADING AND EROSION & SEDIMENT CONTROL PLAN
C-15	EROSION AND SEDIMENT CONTROL DETAILS (SHEET 1 OF 3)
C-16	EROSION AND SEDIMENT CONTROL DETAILS (SHEET 2 OF 3)
C-17	EROSION AND SEDIMENT CONTROL DETAILS (SHEET 3 OF 3)
C-18	SEEDING SPECIFICATIONS



MIDDLE RIVER, MARYLAND, GOOGLE EARTH 2013

PROJECT LOCATION MAP
SCALE: 1"=1000'

DATUM:
HORIZONTAL=MARYLAND STATE PLANE 1983
VERTICAL= NAVD 88

0 1000 2000
SCALE IN FEET

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT

APPROVED FOR SEDIMENT CONTROL _____ DATE

_____ DISTRICT OFFICIAL _____ PLAN NO.

TECHNICAL REVIEW FOR THE DISTRICT BY:

_____

IF A GRADING PERMIT HAS NOT BEEN OBTAINED WITHIN TWO YEARS OF THIS APPROVAL, THIS PLAN SHALL BE RE-SUBMITTED TO THE DISTRICT.

TETRA TECH
www.tetratech.com
20251 CENTURY BLVD
GERMANTOWN, MD 20874
T: (301) 528-5552 | F: (301) 528-3000

STATE OF MARYLAND
SCOTT I. SABIN
No. 29015
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX
SOIL REMEDIAL ACTION
TITLE SHEET

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	1 OF 20

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T-1

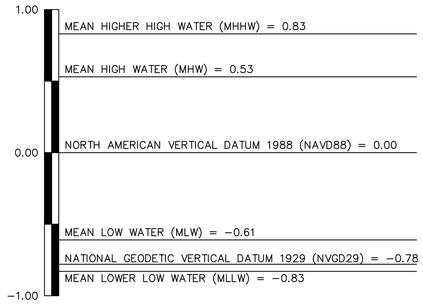
K:\CADD\MRC\CIVIL\T-1.dwg PIT IVANNA.GOLDSBERRY 3/24/2015 2:55:19 PM

GENERAL NOTES:

1. GRID COORDINATES REFERENCE MARYLAND STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (MDSPCS NAD83). ELEVATIONS REFERENCE NORTH AMERICAN VERTICAL DATUM, 1988 (NAVD88).
2. UNLESS OTHERWISE NOTED, GROUND SURFACE TOPOGRAPHY OBTAINED FROM DRAWING NO. 22042C01 TITLED "SITE PLAN, CHESAPEAKE PARK, LMC PROPERTIES, INC." (REV C DATED 10/02/02) PREPARED BY TAI CONSULTING ENGINEERS, OWINGS MILLS, MARYLAND AND NOTED THEREON AS BEING OBTAINED FROM FIELD RUN SURVEY CONDUCTED BY DMW, INC. DURING JUNE 1999 FLOATED TO STATE GRID. GROUND SURFACE TOPOGRAPHY BETWEEN COW PEN CREEK AND CHESAPEAKE PARK PLAZA AND DELINEATED WETLAND LIMITS SURVEYED BY TETRA TECH, NEWARK, DELAWARE DURING NOVEMBER AND DECEMBER 2009.
3. ADDITIONAL HORIZONTAL INFORMATION OBTAINED FROM TAI DRAWING NOTED ABOVE AND NOTED THEREON AS BEING OBTAINED FROM BALTIMORE COUNTY OFFICE OF INFORMATION TECHNOLOGY GIS SERVICES UNIT WITH MARCH 1995 DATE OF CAPTURE.
4. EXISTING UTILITIES OBTAINED FROM TAI DRAWING NOTED ABOVE AND NOTED THEREON AS BEING OBTAINED FROM DMW FIELD RUN SURVEY AND LOCKHEED MARTIN PROPERTIES, INC. DRAWING TITLED "EXHIBIT #6 EXISTING UTILITIES PLAN."
5. BOUNDARY LINES OBTAINED FROM TAI DRAWING NOTED ABOVE AND NOTED THEREON AS BEING OBTAINED FROM RECORDED PLAT E.H.K., JR. 51 FOLIO 43 "1ST AMENDED CHESAPEAKE PARK RE-SUBDIVISION" PREPARED BY MARYLAND SURVEYING AND ENGINEERING CO., INC. 4/24/84 WITH BOUNDARY ORIENTED TO BALTIMORE COUNTY METROPOLITAN DISTRICT GRID, BUT SHOULD NOT BE CONSIDERED A BOUNDARY SURVEY.
6. 1% ANNUAL CHANCE FLOOD (100-YEAR FLOOD) ELEVATION IS 8.5-FT NAVD88 BASED ON "FLOOD INSURANCE STUDY, BALTIMORE COUNTY, MARYLAND (UNINCORPORATED AREAS)" FLOOD INSURANCE STUDY NUMBER 240010V000C [FEMA, SEPTEMBER 2009 (PRELIMINARY)].
7. CHESAPEAKE BAY CRITICAL AREA BOUNDARY OBTAINED FROM MARYLAND DEPARTMENT OF NATURAL RESOURCES WEBSITE. AREAS WITHIN THE CHESAPEAKE BAY CRITICAL AREA ARE INTENSELY DEVELOPED AREA (IDA) CATEGORY.
8. TWO FOOT CONTOUR INTERVAL FOR GROUND SURFACE TOPOGRAPHY UNLESS OTHERWISE NOTED.
9. FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. CHECK GRAPHIC SCALE BEFORE SCALING DRAWING.
10. UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE. VERIFICATION OF UTILITY LOCATIONS MUST BE MADE PRIOR TO WORK ON-SITE. NOTIFY MISS UTILITY OF MARYLAND (1-800-257-7777; www.missutility.net) AT LEAST 48 HOURS, BUT NOT MORE THAN 10 WORKING DAYS, PRIOR TO THE DAY EXCAVATION WILL COMMENCE. MISS UTILITY OF MARYLAND IS NOT EXPECTED TO HAVE COMPLETE RECORD OF UTILITIES FOR THE MIDDLE RIVER COMPLEX. IN ADDITION TO NOTIFYING MISS UTILITY OF MARYLAND, VERIFY UTILITY LOCATIONS PRIOR TO BEGINNING ANY WORK USING A MINIMUM OF TWO PASSIVE METHODS (E.G., ELECTROMAGNETIC INDUCTION, GROUND PENETRATING RADAR, MAGNETIC LOCATORS, ACOUSTIC SURVEY, ETC.).
11. INSPECT INDIVIDUAL AREAS PRIOR TO CONSTRUCTION TO VERIFY EXISTING SITE CONDITIONS.
12. PROVIDE HORIZONTAL AND VERTICAL CONTROL FOR CONSTRUCTION.
13. STAKE THE LOCATION OF REMOVAL AND DISTURBED AREAS PRIOR TO ACTUAL WORK.
14. THE SOLE LOCATION FOR INGRESS AND EGRESS TO INDIVIDUAL AREAS SHALL BE VIA CONSTRUCTION ENTRANCE(S) WHICH SHALL BE CONSTRUCTED ACCORDING TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN. PROVIDE INGRESS/EGRESS CONTROL INTO INDIVIDUAL AREAS AS PART OF AREA-SPECIFIC MOBILIZATION ACTIVITIES.
15. PROVIDE PROTECTION FOR EXISTING UTILITIES TO REMAIN IN SERVICE.
16. LIMIT WORK TO INDIVIDUAL AREAS WITHIN THE APPROVED LIMITS OF DISTURBANCE.
17. MAINTAIN WORK AREAS FREE FROM DUST AND ODORS.
18. PROPERTY LINE INFORMATION TAKEN FROM RECORDED PLAT E.H.K., JR 51 FOLIO 43 "1ST AMENDED CHESAPEAKE PARK RE-SUBDIVISION" PREPARED BY MARYLAND SURVEYING AND ENGINEERING CO. INC. 4/24/84. PROPERTY LINES HAVE BEEN ORIENTED TO THE BALTIMORE COUNTY METROPOLITAN DISTRICT GRID. SHOULD NOT BE CONSIDERED A BOUNDARY SURVEY.
19. IN ACCORDANCE WITH THE CODE OF MARYLAND REGULATIONS 26.17.04.11 (5) ALL IN-STREAM CONSTRUCTION IN DARK HEAD COVE WHICH MAY ADVERSELY AFFECT ANADROMOUS FISH SPAWNING AREAS, SHALL BE PROHIBITED FROM MARCH 15 THROUGH JUNE 15.

TIDAL DATUMS AT BALTIMORE, FORT McHENRY, PATAPSCO RIVER, MARYLAND

TIDAL EPOCH: 1983-2001



ELEVATIONS OF TIDAL DATUMS REFERRED TO IN FEET.
ELEVATIONS OF TIDAL DATUMS COMPUTED USING
BENCHMARK 857 4680 TIDAL 32.

TRAFFIC AND STOCKPILE NOTES:

ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT VIA A STABILIZED CONSTRUCTION ENTRANCE. CONTRACTOR SHALL REMOVE OR IMPORT DIRT AS REQUIRED. ANY STOCKPILE AREA CREATED FOR THIS MATERIAL SHALL BE MANAGED BY A SEDIMENT CONTROL DEVICE AT ALL TIMES.
TEMPORARY STOCKPILES SHALL BE:

1. LOCATED WITHIN THE LIMIT OF DISTURBANCE (LOD).
2. DRAIN TO A FUNCTIONING SEDIMENT CONTROL DEVICE.
3. POSITIONED TO NOT IMPEDE UPON, OR IMPAIR THE FUNCTION OF SAID DEVICE.
4. POSITIONED TO NOT ALTER DRAINAGE DIVIDES.

GENERAL GRADING NOTES AND CERTIFICATIONS:

1. THE PROPOSED GRADING SHOWN ON THIS PLAN MEETS THE REQUIREMENTS SET FORTH BY BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY AND COMPLIES WITH ARTICLE 33, TITLE 5 OF THE BALTIMORE COUNTY CODE. HOWEVER, DUE TO BUILDING TYPES AND LAYOUT, SOME FIELD ADJUSTMENTS MAY BE REQUIRED. ALL CHANGES MUST COMPLY WITH THE ABOVE MENTIONED REQUIREMENTS.
2. ALL SWALES HAVE BEEN DESIGNED BY THE ENGINEER TO CONVEY RUNOFF ACCORDING TO BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS DESIGN STANDARDS.
3. THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION OR DISTURBANCE OF VEGETATION IN THE FOREST BUFFER EASEMENT OR OTHER FOREST RETENTION AREAS, EXCEPT AS PERMITTED BY THE BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY.
4. STORMWATER MANAGEMENT HAS BEEN ADDRESSED BY A STORMWATER MANAGEMENT VARIANCE.

SITE DATA:

1. DATUM: HORIZONTAL=MARYLAND STATE PLANE 1983
   VERTICAL=NAVD 88
2. BENCHMARK: NORTHING: 604746.50 EASTING: 1473183.47 ELEVATION: 15.73 CONCRETE MONUMENT

OWNER'S / DEVELOPER'S CERTIFICATION - GRADING:

I/WE HEREBY CERTIFY THAT ALL GRADING ON THIS SITE WILL BE DONE IN ACCORDANCE WITH THE CURRENT GRADING REQUIREMENTS AS SET FORTH BY THE BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND RESOURCE MANAGEMENT AND WITH THE REQUIREMENTS SPECIFIED IN ARTICLE 33, TITLE 5 OF THE BALTIMORE COUNTY CODE.

OWNER / DEVELOPER SIGNATURE TITLE DATE

PRINTED NAME

OWNER'S / DEVELOPER'S CERTIFICATION - AIR QUALITY:

I ACKNOWLEDGE THAT I AM RESPONSIBLE UNDER THE CODE OF MARYLAND REGULATION (26.11.06.03) TO PREVENT PARTICULATE MATTER FROM BECOMING AIRBORNE DUE TO GRADING, LAND CLEARING, EXCAVATION, CONSTRUCTION OR OTHER RELATED ACTIVITIES. I HAVE RECEIVED A COPY OF "GUIDELINES TO THE AIR POLLUTION REGULATIONS FOR CONTROLLING EXCESS ABP (DUST) ON ACTIVITY SITES" WHICH INCLUDES A COPY OF COMAR 26.11.06.03. I WILL CONTACT THE ENVIRONMENTAL HEALTH SECTION AT 887-4065 AT LEAST THREE DAYS PRIOR TO BEGINNING WORK.

OWNER / DEVELOPER SIGNATURE TITLE DATE

PRINTED NAME

GENERAL LEGEND:

- PROPOSED EXCAVATION TO 2-FOOT DEPTH
- PROPOSED EXCAVATION TO 3-FOOT DEPTH
- PROPOSED EXCAVATION TO 4-FOOT DEPTH
- PROPOSED EXCAVATION TO 6-FOOT DEPTH
- PROPOSED EXCAVATION TO 7-FOOT DEPTH
- UNDERGROUND STORAGE TANK REMOVAL AREA
- DELINEATED WETLAND AREA
- EXISTING BUILDINGS
- PROPOSED BLOCK D PANHANDLE STORM DRAIN REPAIR EXCAVATION TO 5-FOOT DEPTH

GENERAL LEGEND:

- EXISTING PROPERTY LINE/BLOCK BOUNDARY
- EXISTING EDGE OF PAVEMENT
- 10 — EXISTING ELEVATION CONTOUR (10 FT. INTERVAL)
- 8 — EXISTING ELEVATION CONTOUR (2 FT. INTERVAL)
- EXISTING EDGE OF WATER
- X X X — EXISTING FENCELINE
- MH — EXISTING MANHOLE
- E E E — EXISTING ELECTRIC LINE
- SAN SAN — EXISTING SANITARY SEWER LINE
- GAS GAS — EXISTING GAS LINE
- W W W — EXISTING WATER LINE
- FW — EXISTING FIRE PROTECTION WATER LINE
- OIL — EXISTING OIL LINE
- EXISTING STORM SEWER LINE
- LIMITS OF EXCAVATION LINE
- RAILROAD
- TREE LINE
- 100 YEAR FLOODPLAIN (SEE GENERAL NOTE 6)
- CHESAPEAKE BAY CRITICAL AREA BUFFER
- LIMITS OF DISTURBANCE
- GROUNDWATER INJECTION SYSTEM
- MW — MONITORING WELL
- INLET PROTECTION
- CONCRETE CURBS
- TAB TAB — TEMPORARY ASPHALT BERM
- SFPA SFPA — SILT FENCE ON PAVED SURFACE
- SF SF SF SF — SILT FENCE
- SSF SSF — SUPER SILT FENCE
- TC TC — TURBIDITY CURTAIN
- PST — PORTABLE SEDIMENT TANK
- PERIMETER DIKE/SWALE
- STABILIZED CONSTRUCTION ENTRANCE (WITH MOUNTABLE BERM)
- IMPERVIOUS AREAS
- MODIFIED ROCK OUTLET PROTECTION III
- SOIL STOCKPILE/MATERIAL STAGING AREA

DETAIL NUMBER
FIRST SHEET CALLED OUT ON — FIRST SHEET SHOWN ON

DETAIL INDICATOR

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL

DATE

TETRA TECH
www.tetratech.com
20251 CENTURY BLVD
GERMANTOWN, MD 20874
T: (301) 528-5552 | F: (301) 528-3000

STATE OF MARYLAND — SCOTT A. SAMUEL — No. 29015 — PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

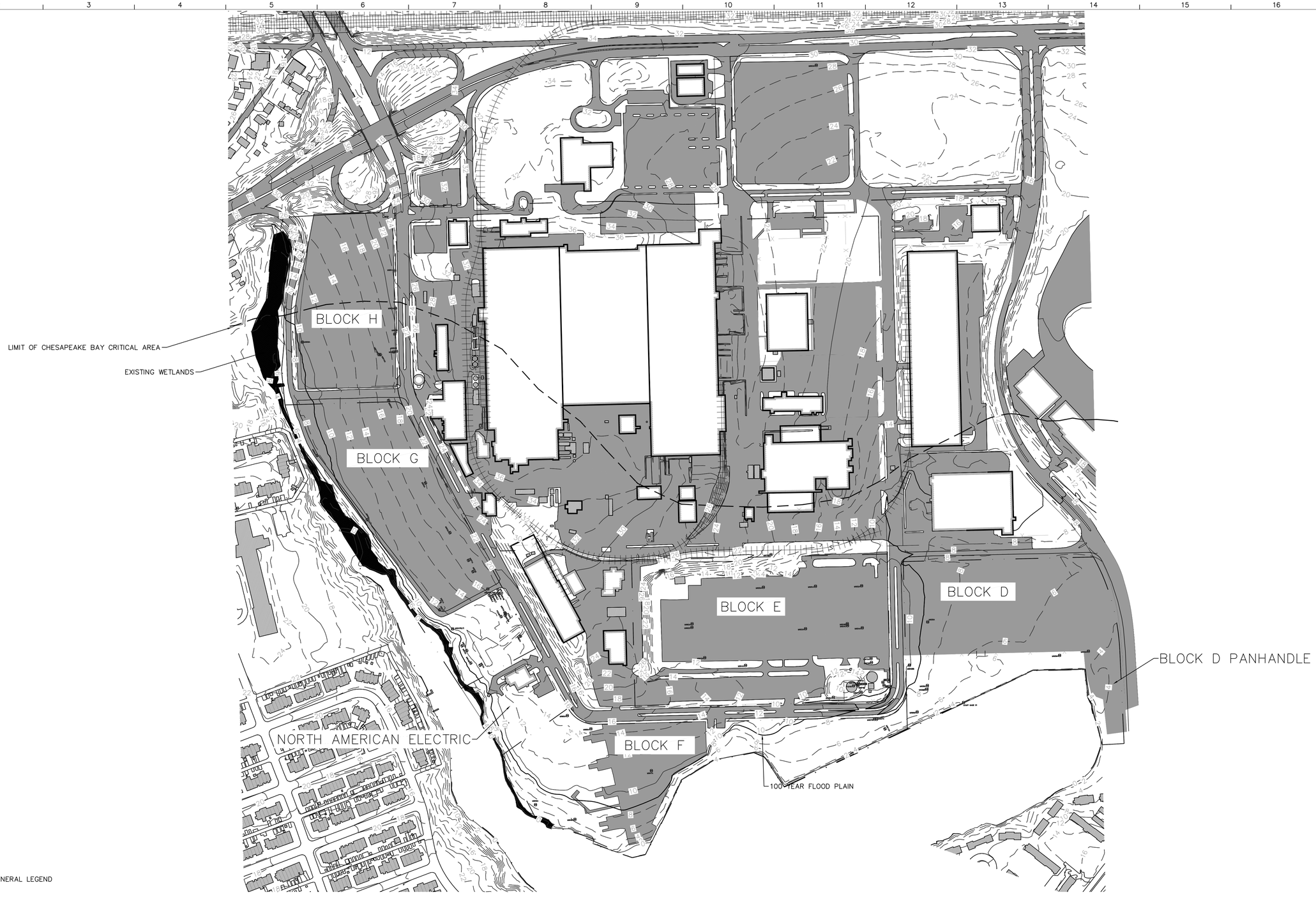
LOCKHEED MARTIN
MIDDLE RIVER COMPLEX
SOIL REMEDIAL ACTION
GENERAL NOTES, GRADING NOTES, AND LEGEND

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	2 OF 20

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T-2

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LEGEND:
REFER TO DRAWING T-2 FOR GENERAL LEGEND

NOTES:
1. THIS DRAWING PRESENTS FACILITY WIDE EXISTING CONDITIONS. REFER TO DRAWINGS C-2 THROUGH C-7 FOR EXISTING CONDITIONS (INCLUDING UTILITIES AND CONTOUR LABELS) FOR INDIVIDUAL REMEDIAL ACTION AREAS. REFER TO DRAWINGS C-9 THROUGH C-14 FOR GRADING AND EROSION AND SEDIMENT CONTROL PLANS FOR INDIVIDUAL REMEDIAL ACTION AREAS.

DATUM: HORIZONTAL=MARYLAND STATE PLANE 1983
VERTICAL=NAVD 88

0 200 400
SCALE IN FEET

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STATE OF MARYLAND
SCOTT A. NESSEN
No. 20015
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX

SOIL REMEDIAL ACTION
FACILITY WIDE EXISITING CONDITIONS

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	3 OF 20

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C-1

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DARK HEAD COVE ROAD

BLOCK BOUNDARY

N

24" Ø RCP STORM SEWER

24" Ø RCP STORM SEWER

24" Ø RCP STORM SEWER

30" Ø RCP STORM SEWER

5' X 5', CONC. BOX CULVERT STORM SEWER

PARKING LOT NO. 6

MATCHLINE (SEE SHEET C-3)

24" CMP

32" CMP

MH

MH

MW35A

MW105B

MW73A

MW73B

MW38A

MW38B

'96D

STAFF GAGE 01

OUTFALL 9

OUTFALL 7

MW40A

MW39A

8OF001 (MSA)

LEGEND:
REFER TO DRAWING T-2 FOR GENERAL LEGEND

NOTES:
1. REFER TO DRAWING C-8 FOR EROSION AND SEDIMENT CONTROL NOTES AND SEED MIXTURES
2. REFER TO DRAWING C-9 FOR THE BLOCK D EROSION AND SEDIMENT CONTROL PLAN
3. THE LIMITS OF THE 100-YEAR FLOOD PLAIN AND CHESAPEAKE BAY CRITICAL AREA ARE INDICTED ON DRAWING C-1. THE BLOCK D REMEDIAL ACTION AREA IS LOCATED WITHIN THE CHESAPEAKE BAY CRITICAL AREA. THE BLOCK D REMEDIAL ACTION IS MOSTLY LOCATED WITHIN THE 100-YEAR FLOOD PLAIN.

DATUM: HORIZONTAL=MARYLAND STATE PLANE 1983
VERTICAL=NAVD 88

0 40 80
SCALE IN FEET

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STATE OF MARYLAND
SCOTT A. RESSLER
No. 29015
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX

SOIL REMEDIAL ACTION
BLOCK D – EXISTING CONDITION

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	4 OF 20

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LEGEND:
REFER TO DRAWING T-2 FOR GENERAL LEGEND

NOTES:
1. REFER TO DRAWING T-2 FOR GENERAL NOTES
2. REFER TO DRAWING C-8 FOR EROSION AND SEDIMENT CONTROL NOTES.
3. REFER TO DRAWING C-10 FOR BLOCK D PANHANDLE EROSION AND SEDIMENT CONTROL PLAN.
4. THE LIMITS OF THE 100-YEAR FLOOD PLAIN AND CHESAPEAKE BAY CRITICAL AREA ARE INDICATED ON DRAWING C-1. THE BLOCK D PANHANDLE REMEDIAL ACTION AREA IS LOCATED WITHIN THE CHESAPEAKE BAY CRITICAL AREA. THE BLOCK D PANHANDLE REMEDIAL ACTION AREA IS LOCATED WITHIN THE 100-YEAR FLOOD PLAIN.

DATUM: HORIZONTAL=MARYLAND STATE PLANE 1983
VERTICAL=NAVD 88

0 30 60
SCALE IN FEET

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STATE OF MARYLAND — SCOTT A. KEISER — No. 29015 — PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX
SOIL REMEDIAL ACTION
BLOCK D PANHANDLE – EXISTING CONDITION

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	5 OF 20

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LEGEND:
REFER TO DRAWING T-2 FOR GENERAL LEGEND

NOTES:
1. REFER TO DRAWING C-8 FOR EROSION AND SEDIMENT CONTROL NOTES.
2. REFER TO DRAWING C-11 FOR THE BLOCK F EROSION AND SEDIMENT CONTROL PLAN.
3. THE LIMIT OF THE 100-YEAR FLOOD PLAIN AND CHESAPEAKE BAY CRITICAL AREA ARE INDICATED ON DRAWING C-1. THE BLOCK F REMEDIAL ACTION AREA IS LOCATED ENTIRELY WITHIN THE CHESAPEAKE BAY CRITICAL AREA. THE BLOCK F REMEDIAL ACTION IS PARTIALLY LOCATED WITHIN THE 100-YEAR FLOOD PLAIN.

DATUM: HORIZONTAL=MARYLAND STATE PLANE 1983
VERTICAL=NAVD 88

0 40 80
SCALE IN FEET

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STATE OF MARYLAND
SCOTT A. NESBIT
No. 25015
PROFESSIONAL ENGINEER

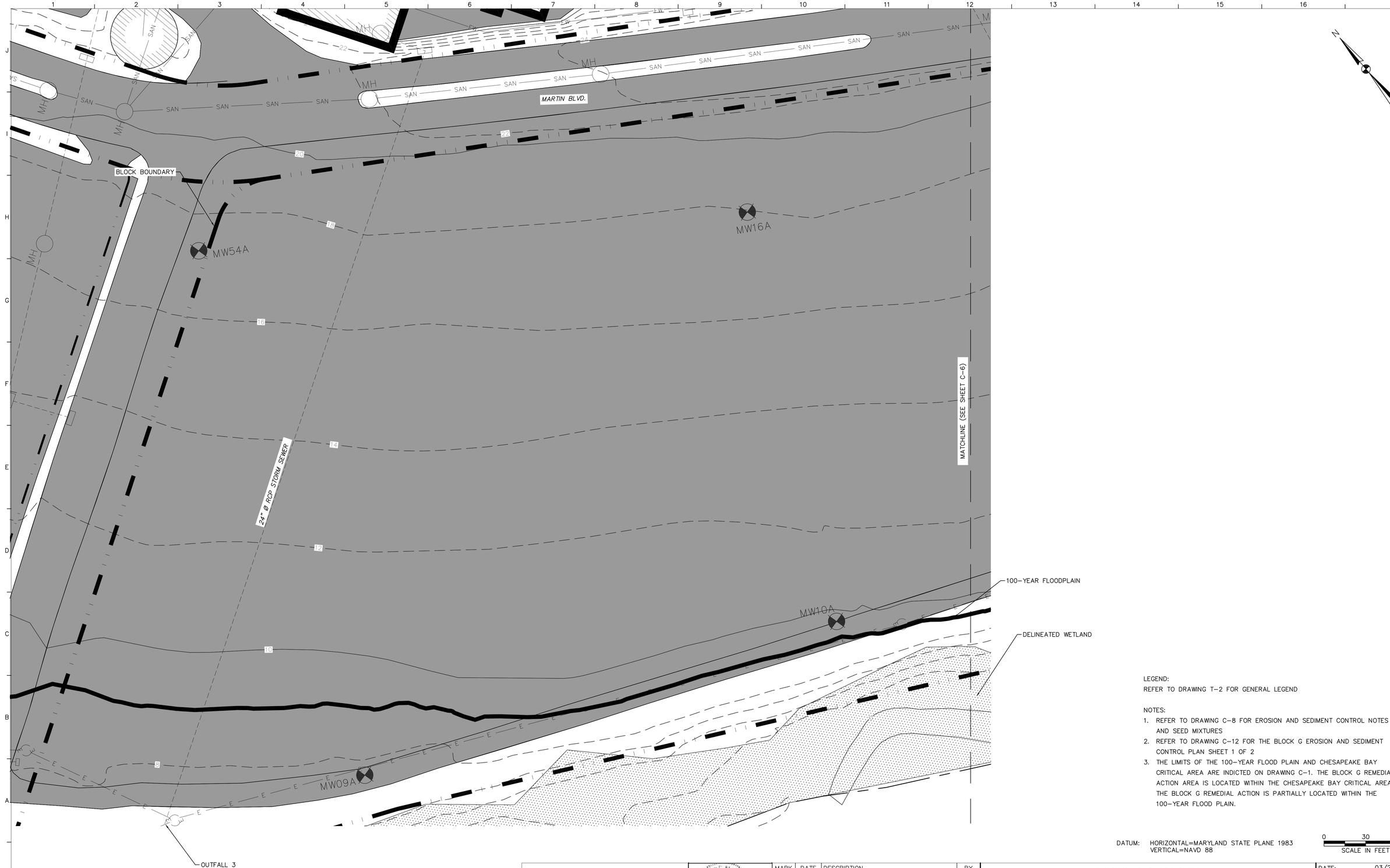
MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX
SOIL REMEDIAL ACTION
BLOCK F – EXISTING CONDITIONS

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	6 OF 20

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LEGEND:
REFER TO DRAWING T-2 FOR GENERAL LEGEND

NOTES:
1. REFER TO DRAWING C-8 FOR EROSION AND SEDIMENT CONTROL NOTES AND SEED MIXTURES
2. REFER TO DRAWING C-12 FOR THE BLOCK G EROSION AND SEDIMENT CONTROL PLAN SHEET 1 OF 2
3. THE LIMITS OF THE 100-YEAR FLOOD PLAIN AND CHESAPEAKE BAY CRITICAL AREA ARE INDICTED ON DRAWING C-1. THE BLOCK G REMEDIAL ACTION AREA IS LOCATED WITHIN THE CHESAPEAKE BAY CRITICAL AREA. THE BLOCK G REMEDIAL ACTION IS PARTIALLY LOCATED WITHIN THE 100-YEAR FLOOD PLAIN.

DATUM: HORIZONTAL=MARYLAND STATE PLANE 1983
VERTICAL=NAVD 88

0 30 60
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STATE OF MARYLAND — SCOTT A. MUSSER — No. 29015 — PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX

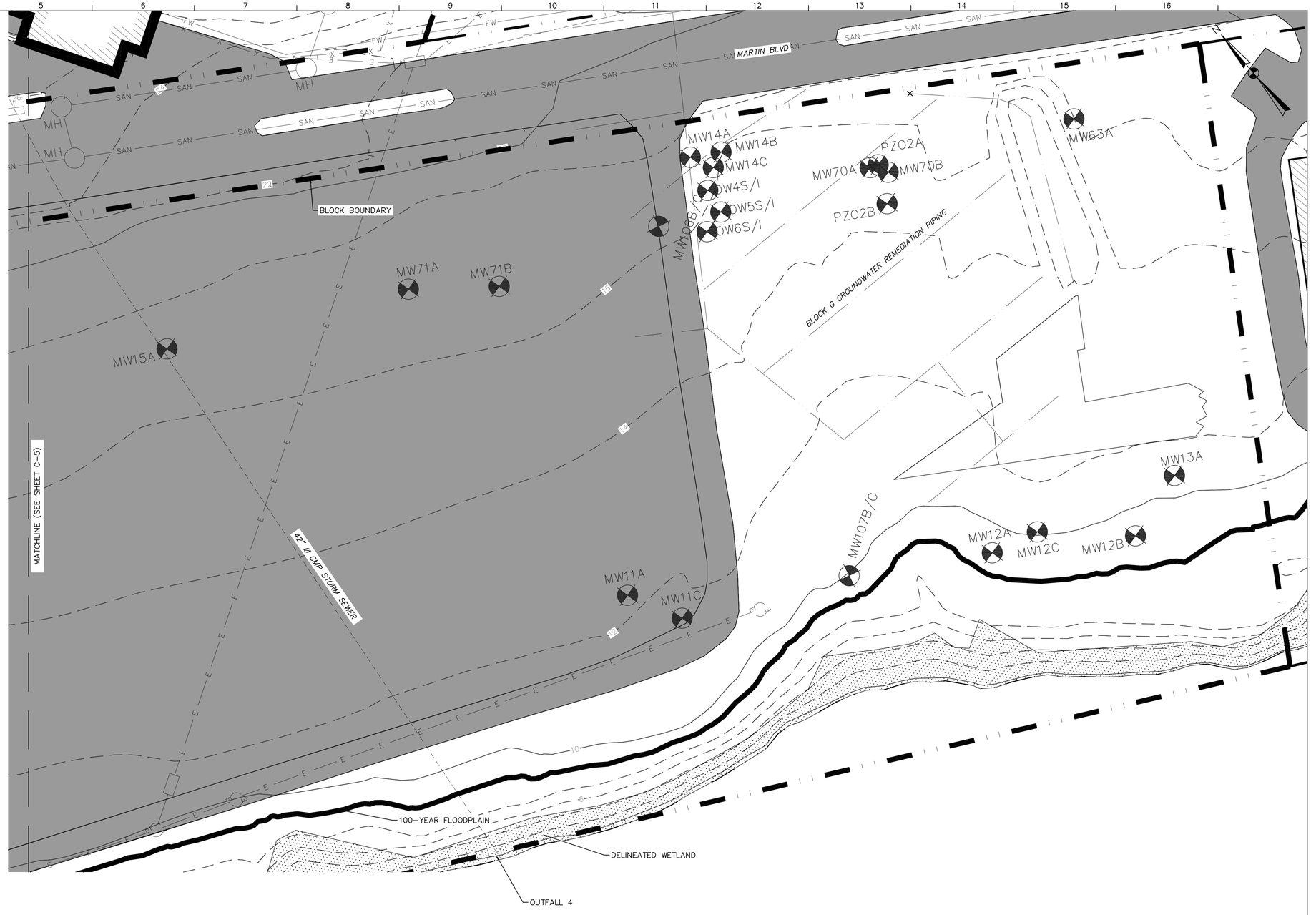
SOIL REMEDIAL ACTION
BLOCK G – EXISTING CONDITIONS
(SHEET 1 OF 2)

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
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SHEET:	7 OF 20

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LEGEND:
REFER TO DRAWING T-2 FOR GENERAL LEGEND

NOTES:
1. REFER TO DRAWING C-8 FOR EROSION AND SEDIMENT CONTROL NOTES AND SEED MIXTURES
2. REFER TO DRAWING C-13 FOR THE BLOCK G EROSION AND SEDIMENT CONTROL PLAN SHEET 2 OF 2
3. THE LIMITS OF THE 100-YEAR FLOOD PLAIN AND CHESAPEAKE BAY CRITICAL AREA ARE INDICATED ON DRAWING C-1. THE BLOCK G REMEDIAL ACTION AREA IS LOCATED WITHIN THE CHESAPEAKE BAY CRITICAL AREA. THE BLOCK G REMEDIAL ACTION IS PARTIALLY LOCATED WITHIN THE 100-YEAR FLOOD PLAIN.

DATUM: HORIZONTAL=MARYLAND STATE PLANE 1983
VERTICAL=NAVD 88

0 30 60
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STATE OF MARYLAND — SCOTT S. REESER — No. 29015 — PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX

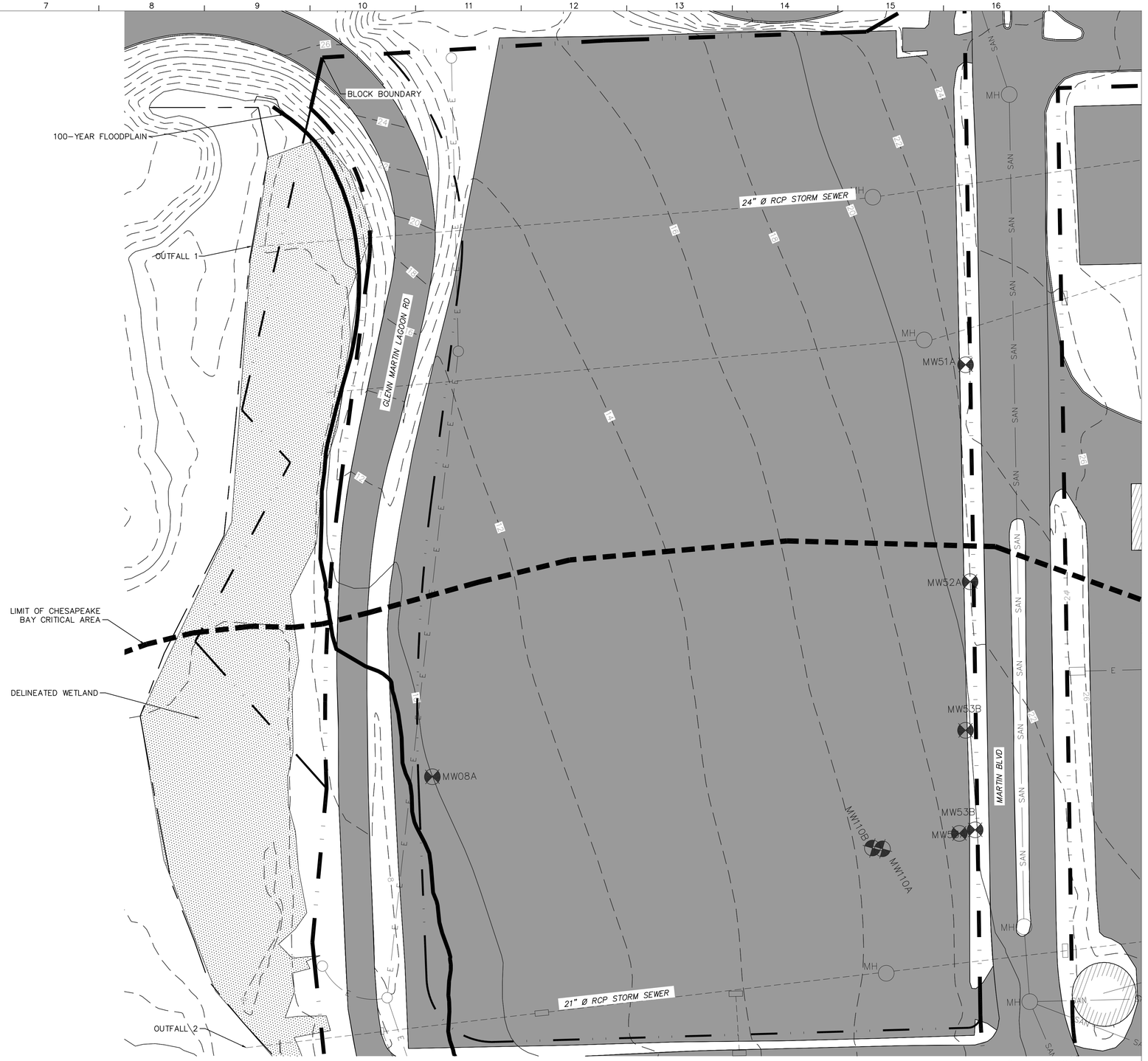
SOIL REMEDIAL ACTION
BLOCK G – EXISTING CONDITIONS
(SHEET 2 OF 2)

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
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SHEET:	8 OF 20

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LEGEND:
REFER TO DRAWING T-2 FOR GENERAL LEGEND

NOTES:
1. REFER TO DRAWING C-8 FOR EROSION AND SEDIMENT CONTROL NOTES.
2. REFER TO DRAWING C-14 FOR THE BLOCK H EROSION AND SEDIMENT CONTROL PLAN.
3. THE LIMIT OF THE 100-YEAR FLOOD PLAIN AND CHESAPEAKE BAY CRITICAL AREA ARE INDICATED ON DRAWING C-1. THE BLOCK H REMEDIAL ACTION AREA IS LOCATED OUTSIDE OF THE 100-YEAR FLOOD PLAIN AND PARTIALLY INSIDE OF THE CHESAPEAKE BAY CRITICAL AREA.

DATUM: HORIZONTAL=MARYLAND STATE PLANE 1983
VERTICAL=NAVD 88

0 40 80
SCALE IN FEET

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STATE OF MARYLAND
SCOTT A. NASH
No. 29015
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX

SOIL REMEDIAL ACTION
BLOCK H – EXISTING CONDITIONS

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	9 OF 20

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BALTIMORE COUNTY SPECIFIC EROSION AND SEDIMENT CONTROL PLAN GENERAL NOTES:

1. REFER TO "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN.
2. WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, MINOR FIELD ADJUSTMENTS CAN AND WILL BE MADE TO INSURE THE CONTROL OF ANY SEDIMENT. CHANGES IN SEDIMENT CONTROL PRACTICES, REQUIRE PRIOR APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT.
3. AT THE END OF EACH WORKING DAY, ALL SEDIMENT CONTROL PRACTICES WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
4. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A.) THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN THREE HORIZONTAL TO ONE VERTICAL (3:1), AND B.) SEVEN (7) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.
5. ANY CHANGE TO THE GRADING PROPOSED ON THIS PLAN REQUIRES RE-SUBMISSION TO BALTIMORE COUNTY SOIL CONSERVATION DISTRICT FOR APPROVAL.
6. DUST CONTROL WILL BE PROVIDED FOR ALL DISTURBED AREAS. REFER TO "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", PG. H-30-1, FOR ACCEPTABLE METHODS AND SPECIFICATIONS FOR DUST CONTROL.
7. ANY VARIATIONS FROM THE SEQUENCE OF OPERATIONS STATED ON THIS PLAN REQUIRES THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT PRIOR TO THE INITIATION OF THE CHANGE.
8. EXCESS CUT OR BORROW MATERIAL SHALL GO TO, OR COME FROM, RESPECTIVELY, A SITE WITH AN OPEN GRADING PERMIT.
9. THE FOLLOWING ITEM MAY BE USED AS APPLICABLE: REFER TO MARYLAND'S GUIDELINES TO WATERWAY CONSTRUCTION" BY THE WATER MANAGEMENT ADMINISTRATION OF THE MARYLAND DEPARTMENT OF THE ENVIRONMENT,REVISED NOVEMBER,2000, FOR THE STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED WEREIN FOR WATERWAY CONSTRUCTION.
10. PUMPING SEDIMENT-LADEN WATER INTO WATERS OF THE STATE IS STRICTLY PROHIBITED. ANY PORTABLE DEWATERING DEVICE MUST BE LOCATED WITHIN THE LIMIT OF DISTURBANCE.

ADDITIONAL STATE OF MARYLAND EROSION AND SEDIMENT CONTROL PLAN GENERAL NOTES:

1. THE CONTRACTOR SHALL NOTIFY BALTIMORE COUNTY DEPARTMENT OF PERMITS, APPROVALS, AND INSPECTIONS – SEDIMENT CONTROL (PAI-SC) AT (410) 887-3226 AT LEAST 48 HOURS BEFORE COMMENCING ANY LAND DISTURBANCE ACTIVITY TO HOLD A PRE-CONSTRUCTION MEETING BETWEEN PROJECT REPRESENTATIVES AND THE PAI-SC INSPECTOR.
2. THE CONTRACTOR MUST NOTIFY PAI-SC IN WRITING AND BY TELEPHONE AT THE FOLLOWING POINTS:
   a. THE REQUIRED PRE-CONSTRUCTION MEETING
   b. FOLLOWING INSTALLATION OF SEDIMENT CONTROL MEASURES.
   c. PRIOR TO REMOVAL OR MODIFICATION OF ANY SEDIMENT CONTROL STRUCTURE(S).
   d. PRIOR TO REMOVAL OF ALL SEDIMENT CONTROL DEVICES.
   e. PRIOR TO FINAL ACCEPTANCE.
3. THE CONTRACTOR SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLAN AND CONSTRUCTION SEQUENCE AND SHALL HAVE THEM INSPECTED AND APPROVED BY THE PAI-SC INSPECTOR PRIOR TO BEGINNING ANY OTHER LAND DISTURBANCES.
4. THE CONTRACTOR SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE DEPOSITION OF MATERIALS ONTO PUBLIC ROADS. ALL MATERIALS DEPOSITED ONTO PUBLIC ROADS SHALL BE REMOVED IMMEDIATELY.
5. THE CONTRACTOR SHALL APPLY SOD OR SEED AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES TO ALL DISTURBED AREAS AND STOCKPILES WITHIN SEVEN (7) CALENDAR DAYS AFTER STRIPPING AND GRADING ACTIVITIES HAVE CEASED IN THE AREA. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION. (REQUIREMENT MAY BE REDUCED TO THREE (3) DAYS FOR SENSITIVE AREAS.)
6. PRIOR TO REMOVAL OF SEDIMENT CONTROL MEASURES, THE CONTRACTOR SHALL STABILIZE AND HAVE ESTABLISHED PERMANENT STABILIZATION FOR ALL CONTRIBUTORY DISTURBED AREAS USING SOD OR AN APPROVED PERMANENT SEED MIXTURE WITH REQUIRED SOIL AMENDMENTS AND AN APPROVED ANCHORED MULCH. WOOD FIBER MULCH MAY ONLY BE USED IN SEEDING SEASON WHERE THE SLOPE DOES NOT EXCEED 10% AND GRADING HAS BEEN DONE TO PROMOTE SHEET FLOW DRAINAGE. AREAS BROUGHT TO FINISHED GRADE DURING THE SEEDING SEASON SHALL BE PERMANENTLY STABILIZED AS SOON AS POSSIBLE, BUT NO LATER THAN SEVEN (7) CALENDAR DAYS AFTER ESTABLISHMENT. WHEN PROPERTY IS BROUGHT TO FINISHED GRADE DURING THE MONTHS OF NOVEMBER THROUGH FEBRUARY, AND PERMANENT STABILIZATION IS FOUND TO BE IMPRACTICAL, TEMPORARY SEED AND ANCHORED STRAW MULCH SHALL BE APPLIED TO DISTURBED AREAS. THE FINAL PERMANENT STABILIZATION OF SUCH PROPERTY SHALL BE APPLIED BY MARCH 15 OR EARLIER IF GROUND AND WEATHER CONDITIONS ALLOW.
7. THE SITES APPROVAL LETTER, APPROVED EROSION AND SEDIMENT CONTROL PLANS, DAILY LOG BOOKS, AND TEST REPORTS SHALL BE AVAILABLE AT THE SITE FOR INSPECTION BY DULY AUTHORIZED OFFICIALS OF WMA AND THE AGENCY RESPONSIBLE FOR PROJECT.
8. SURFACE DRAINAGE FLOWS OVER UNSTABILIZED CUT AND FILL SLOPES SHALL BE CONTROLLED BY EITHER PREVENTING DRAINAGE FLOW FROM TRAVERSING THE SLOPES OR BY INSTALLING PROTECTIVE DEVICES TO LOWER THE WATER DOWN SLOPE WITHOUT CAUSING EROSION. DIKES SHALL BE INSTALLED AND MAINTAINED AT THE TOP OF A CUT OR FILL SLOPE UNTIL THE SLOPE AND DRAINAGE AREA TO IT ARE FULLY STABILIZED, AT WHICH TIME THEY MUST BE REMOVED AND FINAL GRADES DONE TO PROMOTE SHEET FLOW DRAINAGE. PROTECTIVE METHODS MUST BE PROVIDED AT POINTS OF CONCENTRATED FLOW WHERE EROSION IS LIKELY TO OCCUR.
9. PERMANENT SWALES OR OTHER POINTS OF CONCENTRATED WATER FLOW SHALL BE STABILIZED WITH SOD OR SEED WITH AN APPROVED EROSION CONTROL MATTING, RIP-RAP, OR BY OTHER APPROVED STABILIZATION MEASURES.
10. TEMPORARY SEDIMENT CONTROL DEVICES MAY BE REMOVED, WITH PERMISSION OF THE PAI-SC INSPECTOR, WITHIN THIRTY (30) CALENDAR DAYS FOLLOWING ESTABLISHMENT OF PERMANENT STABILIZATION IN ALL CONTRIBUTORY DRAINAGE AREAS. STORMWATER MANAGEMENT STRUCTURES USED TEMPORARILY FOR SEDIMENT CONTROL SHALL BE CONVERTED TO THE PERMANENT CONFIGURATIONS WITHIN THIS TIME PERIOD AS WELL.
11. NO PERMANENT CUT OR FILL SLOPE WITH A GRADIENT STEEPER THAN 3:1 WILL BE PERMITTED IN LAWN MAINTENANCE AREAS. A SLOPE GRADIENT OF UP TO 2:1 WILL BE PERMITTED IN NON-MAINTENANCE AREAS PROVIDED THAT THOSE AREAS ARE INDICATED ON THE EROSION AND SEDIMENT CONTROL PLAN WITH A LOW-MAINTENANCE GROUND COVER SPECIFIED FOR PERMANENT STABILIZATION. SLOPE GRADIENT STEEPER THAN 2:1 WILL NOT BE PERMITTED WITH VEGETATIVE STABILIZATION.
12. FOR FINISHED GRADING, THE CONTRACTOR SHALL PROVIDE ADEQUATE GRADIENTS TO PREVENT WATER FROM PONDING FOR MORE THAN TWENTY FOUR (24) HOURS AFTER THE END OF THE RAINFALL EVENT. DRAINAGE COURSES AND SWALE FLOW AREAS MAY TAKE AS LONG AS FORTY-EIGHT (48) HOURS AFTER THE END OF A RAINFALL EVENT TO DRAIN. AREAS DESIGNATED TO HAVE STANDING WATER SHALL NOT BE REQUIRED TO MEET THIS REQUIREMENT.
13. SEDIMENT TRAPS AND BASINS ARE NOT PERMITTED WITHIN 20 FEET OF A FOUNDATION THAT EXISTS OR IS UNDER CONSTRUCTION. NO STRUCTURE MAY BE CONSTRUCTED WITHIN 20 FEET OF AN ACTIVE SEDIMENT TRAP OR BASIN.
14. THE PAI-SC INSPECTOR HAS THE OPTION OF REQUIRING ADDITIONAL SAFETY OR SEDIMENT CONTROL MEASURES, IF DEEMED NECESSARY.
15. ALL TRAP DEPTH DIMENSIONS ARE RELATIVE TO OUTLET ELEVATION. ALL TRAPS MUST HAVE A STABLE OUTFALL. ALL TRAPS AND BASINS SHALL HAVE STABLE INFLOW POINTS.
16. VEGETATIVE STABILIZATION SHALL BE PREFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. REFER TO APPROPRIATE SPECIFICATIONS FOR TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, SODDING, AND GROUND COVERS.
17. SEDIMENT SHALL BE REMOVED AND THE TRAP OR BASIN RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE QUARTER OF THE TOTAL DEPTH OF THE TRAP OR BASIN. TOTAL DEPTH SHALL BE MEASURED FROM THE TRAP OR BASIN BOTTOM TO THE CREST OF THE OUTFALL.

ADDITIONAL STATE OF MARYLAND EROSION AND SEDIMENT CONTROL PLAN GENERAL NOTES (CONTINUED):

18. SEDIMENT REMOVED FROM TRAPS (AND BASINS) SHALL BE PLACED AND STABILIZED IN APPROVED AREAS, BUT NOT WITHIN A FLOODPLAIN, WETLAND, OR TREE-SAVE AREA. WHEN PUMPING SEDIMENT LADEN WATER, THE DISCHARGE MUST BE DIRECTED TO A SEDIMENT TRAPPING DEVICE PRIOR TO RELEASE FROM THE SITE. A SUMP PIT MAY BE USED IF SEDIMENT TRAPS THEMSELVES ARE BEING PUMPED OUT.
19. ALL WATER REMOVED FROM EXCAVATED AREAS SHALL BE PASSED THROUGH AN APPROVED DEWATERING PRACTICE OR PUMPED TO A SEDIMENT TRAP OR BASIN PRIOR TO DISCHARGE FROM THE SITE
20. WHERE DEEMED APPROPRIATE BY THE ENGINEER OR INSPECTOR, SEDIMENT BASINS AND TRAPS MAY NEED TO BE SURROUNDED WITH AN APPROVED SAFETY FENCE. THE FENCE MUST CONFORM TO LOCAL ORDINANCES AND REGULATIONS. THE DEVELOPER OR OWNER SHALL CHECK WITH LOCAL BUILDING OFFICIALS ON APPLICABLE SAFETY REQUIREMENTS. WHERE SAFETY FENCE IS DEEMED APPROPRIATE AND LOCAL ORDINANCES DO NOT SPECIFY FENCING SIZES AND TYPES, THE FOLLOWING SHALL BE USED AS A MINIMUM STANDARD: THE SAFETY FENCE MUST BE MADE OF WELDED WIRE AND AT LEAST 42 INCHES HIGH, HAVE POSTS SPACED NO FARTHER APART THAN 8 FEET, HAVE MESH OPENINGS NO GREATER THAN 2 INCHES IN WIDTH AND 4 INCHES IN HEIGHT WITH A MINIMUM OF 14 GAUGE WIRE. SAFETY FENCE MUST BE MAINTAINED AND IN GOOD CONDITION AT ALL TIMES.
21. OFF-SITE SPOIL OR BORROW AREAS ON STATE OR FEDERAL PROPERTY MUST HAVE PRIOR APPROVAL BY WMA AND OTHER APPLICABLE STATE, FEDERAL, AND LOCAL AGENCIES; OTHERWISE APPROVAL MUST BE GRANTED BY THE LOCAL AUTHORITIES. ALL WASTE AND BORROW AREAS OFF-SITE MUST BE PROTECTED BY SEDIMENT CONTROL MEASURES AND STABILIZED.
22. SITES WHERE INFILTRATION DEVICES ARE USED FOR THE CONTROL OF STORMWATER, EXTREME CARE MUST BE TAKEN TO PREVENT RUNOFF FROM UNSTABILIZED AREAS FROM ENTERING THE STRUCTURE DURING CONSTRUCTION. SEDIMENT CONTROL DEVICES PLACED IN INFILTRATION AREAS MUST HAVE BOTTOM ELEVATIONS AT LEAST TWO (2) FEET HIGHER THAN THE FINISH GRADE BOTTOM ELEVATION OF THE INFILTRATION PRACTICE. WHEN CONVERTING A SEDIMENT TRAP TO AN INFILTRATION DEVICE, ALL ACCUMULATED SEDIMENT MUST BE REMOVED AND DISPOSED OF PRIOR TO FINAL GRADING OF INFILTRATION DEVICE.
23. WHEN A STORM DRAIN SYSTEM OUTFALL IS DIRECTED TO A SEDIMENT TRAP OR SEDIMENT BASIN AND THE SYSTEM IS TO BE USED FOR TEMPORARILY CONVEYING SEDIMENT LADEN WATER, ALL STORM DRAIN INLETS IN NON-SUMP AREAS SHALL HAVE A TEMPORARY ASPHALT BERMS CONSTRUCTED AT THE TIME OF BASE PAVING TO DIRECT GUTTER FLOW INTO THE INLETS TO AVOID SURCHARGING AND OVERFLOW OF INLETS IN SUMP AREAS.
24. SITE INFORMATION:
   a. TOTAL AREA OF FACILITY = 205.94 ACRES
   b. TOTAL AREA OF PROJECT SITE = 80.29 ACRES
   c. AREA WITHIN LIMITS OF DISTURBANCE = 24.41 ACRES
   d. AREA TO BE ROOFED OR PAVED = 0 ACRES OF NEWLY PAVED AREAS
   e. EXCAVATION AREA = 2.37 ACRES
   f. TOTAL CUT = 6,979 CUBIC YARDS
   g. TOTAL FILL = 6,979 CUBIC YARDS
   h. OFF-SITE WASTE / BORROW AREA LOCATION – KING AND QUEEN LANDFILL, PLYMOUTH VIRGINIA

REFER TO DRAWINGS C-9 THROUGH C-14 FOR LIMITS OF DISTURBANCE, EXCAVATION AREAS, AND CUT/FILL VOLUMES RELATED TO INDIVIDUAL AREAS.

INLET PROTECTION NOTE:

THE CONTRACTOR IS REQUIRED TO INSTALL INLET PROTECTION ON ALL STORM DRAIN INLETS WITH THE EXCEPTION OF THE FOLLOWING:

1. ANY INLET OUTFALLING DIRECTLY INTO A SEDIMENT TRAPPING DEVICE.*
2. INLETS ON PRIVATE OR PUBLIC PAVED ROADWAYS OPEN TO THE PUBLIC.

ALL INLET PROTECTION WILL BE INSTALLED AS DIRECTED BY THE INSPECTOR IN ACCORDANCE WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, PAGE E-23 (OR AS MAY BE AMENDED). THE REMOVAL OF ANY INLET PROTECTION DEVICES WILL REQUIRE APPROVAL FROM THE INSPECTOR.

*STORM DRAINS SHALL BE FLUSHED PRIOR TO TRAPPING DEVICE REMOVAL.

MAINTENANCE NOTE:

SILT FENCE ON PAVED AREAS, SUPER SILT FENCE, AND INLET PROTECTION SHALL BE INSPECTED AND MAINTAINED EACH DAY AND AFTER EACH STORM EVENT. MAINTENANCE INCLUDES, BUT IS NOT LIMITED TO, REMOVAL OF ALL ACCUMULATED SEDIMENT. GEOTEXTILE FABRIC SHALL BE REPLACED AS NEEDED TO ENSURE PROPER FUNCTION. ANY DAMAGED OR REMOVED SUPER SILT FENCE SHALL BE REPAIRED OR REPLACED BY THE END OF EACH DAY.

SEQUENCE OF OPERATIONS FOR EACH AREA:

1. NOTIFY BALTIMORE COUNTY DEPARTMENT OF PERMITS, APPROVALS, AND INSPECTIONS – SEDIMENT CONTROL (PAI-SC) AT (410) 887-3226 AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.
2. NOTIFY MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE), INSPECTION AND COMPLIANCE PROGRAM (410) 537-3510 AT LEAST 7 DAYS PRIOR TO BEGINNING WORK.
3. CONTACT MISS UTILITY TO LOCATE ALL SITE UTILITIES WITHIN LIMITS OF DISTURBANCE. FOLLOWING UTILITY LOCATION, VISIT SITE TO VERIFY SITE CONDITIONS
4. IF APPLICABLE, ORANGE HIGH VISIBILITY FENCE SHALL BE MANUALLY INSTALLED ALONG THE LIMIT OF DISTURBANCE, WHERE THE LIMIT IS WITHIN 50 FEET OF THE FOREST BUFFER/CONSERVATION EASEMENT. THIS SHALL BE COMPLETED BY AND INSPECTED AT, THE PRECONSTRUCTION MEETING.
5. CLEAR AND GRUB FOR SEDIMENT & EROSION CONTROL MEASURES OR DEVICES ONLY.
6. INSTALL SEDIMENT & EROSION CONTROL MEASURES AND DEVICES IN BLOCK G. SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED ONE BLOCK AT A TIME IN THE ORDER OF SEQUENCE NOTED IN ITEM NUMBER 8 BELOW.
7. NOTIFY PAI-SC, INSPECTION AND COMPLIANCE DIVISION UPON COMPLETION OF SEDIMENT AND EROSION CONTROL MEASURES AND DEVICES INSTALLATION.
8. WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, CLEAR REMAINDER OF PROPOSED EXCAVATION AREAS. EXCAVATION ACTIVITIES WILL BEGIN IN BLOCK H AND PROCEED TO BLOCKS G, F, D PANHANDLE, AND D. PRIOR TO BEGINNING NEXT BLOCK, CURRENT BLOCK MUST BE STABILIZED. SILT FENCE ON PAVED AREAS, SUPER SILT FENCE, AND INLET PROTECTION SHALL BE INSPECTED AND MAINTAINED EACH DAY AND AFTER EACH STORM EVENT. MAINTENANCE INCLUDES, BUT IS NOT LIMITED TO, REMOVAL OF ALL ACCUMULATED SEDIMENT. GEOTEXTILE FABRIC SHALL BE REPLACED AS NEEDED TO ENSURE PROPER FUNCTION. ANY DAMAGED OR REMOVED FILTER FENCE SHALL BE REPAIRED OR REPLACED BY THE END OF EACH DAY.
9. EXCAVATE SOIL IDENTIFIED IN THE RESIDUAL RISK ANALYSIS AS NEEDING TO BE REMOVED TO MEET A SITE-WIDE 95% UPPER CONFIDENCE LIMIT OF 1 X 10 -5 CANCER RISK, AND TRANSPORT SOIL OFF-SITE FOR DISPOSAL WITHIN A PERMITTED LANDFILL (LANDFILL TO BE IDENTIFIED PRIOR TO EXCAVATION). PERFORM VERIFICATION SAMPLING TO VERIFY REMOVAL OF SOIL TO MEET A SITE-WIDE 95% UCL BELOW THE PRELIMINARY REMEDIAL GOALS. IF SOIL WITH COC CONCENTRATIONS GREATER THAN THE PRG REMAINS, ADJUST EROSION AND SEDIMENT CONTROLS AS REQUIRED, OBTAIN ADJUSTMENT APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR, THEN CONTINUE EXCAVATION. REPEAT THIS PROCESS UNTIL VERIFICATION SAMPLES INDICATE REMOVAL OF SOIL TO MEET THE SITE-WIDE 95% UCL AND BACKFILL EXCAVATION. UPON COMPLETION PERMANENTLY STABILIZE ALL DISTURBED AREAS.
10. DUE TO CONTAMINANT DISTRIBUTION IN BLOCK H AND THE REQUIREMENT TO MAINTAIN PUBLIC PARKING DURING IMPLEMENTATION OF REMEDIAL ACTIVITIES, THE REMEDIAL ACTIVITIES IN BLOCK H WILL BE PERFORMED IN 2 PHASES. PHASE 1 WILL INCLUDE INSTALLING AND MAINTAINING EROSION CONTROL MEASURES WHILE EXCAVATION IS CONDUCTED WITHIN THE SOUTHERN HALF OF BLOCK H. ONCE THESE EXCAVATIONS ARE BACKFILLED AND STABILIZED, EROSION CONTROL MEASURE WILL BE MOVED TO ESTABLISH EROSION CONTROL FOR PHASE 2. DURING IMPLEMENTATION OF PHASE 2 THE EROSION CONTROL MEASURES WILL BE MAINTAINED. EROSION CONTROL MEASURES WILL BE REMOVED FROM BLOCK H FOLLOWING STABILIZATION.
11. UPON STABILIZATION OF SITE WITH ESTABLISHED VEGETATION AND WITH PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL MEASURES AND STABILIZE THOSE AREAS DISTURBED BY THIS PROCESS.

STANDARD STABILIZATION NOTE:

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND SEVEN (7) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

CONSULTANT'S CERTIFICATION:

I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT AND THE CURRENT STATE OF MARYLAND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER.

DATE _____ SIGNATURE _____

MD. LICENSE NO. _____ PRINTED NAME _____

OWNER'S / DEVELOPER'S CERTIFICATION:

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THIS CONSTRUCTION WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I/WE ALSO CERTIFY THAT THE SITE WILL BE INSPECTED AT THE END OF EACH WORKING DAY, AND THAT ANY NEEDED MAINTENANCE WILL BE COMPLETED SO AS TO INSURE THAT ALL SEDIMENT CONTROL PRACTICES ARE LEFT IN OPERATIONAL CONDITION. I/WE AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATIONS BY THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT BOARD OF SUPERVISORS OR THEIR AUTHORIZED AGENTS.

OWNER / DEVELOPER SIGNATURE _____ DATE _____

PRINTED NAME _____ TITLE _____

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT

APPROVED FOR SEDIMENT CONTROL

_____ DATE _____

TETRA TECH
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GERMANTOWN, MD 20874
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STATE OF MARYLAND SCOTT A. NESH NO. 29015 PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX
SOIL REMEDIAL ACTION
EROSION AND SEDIMENT CONTROL NOTES

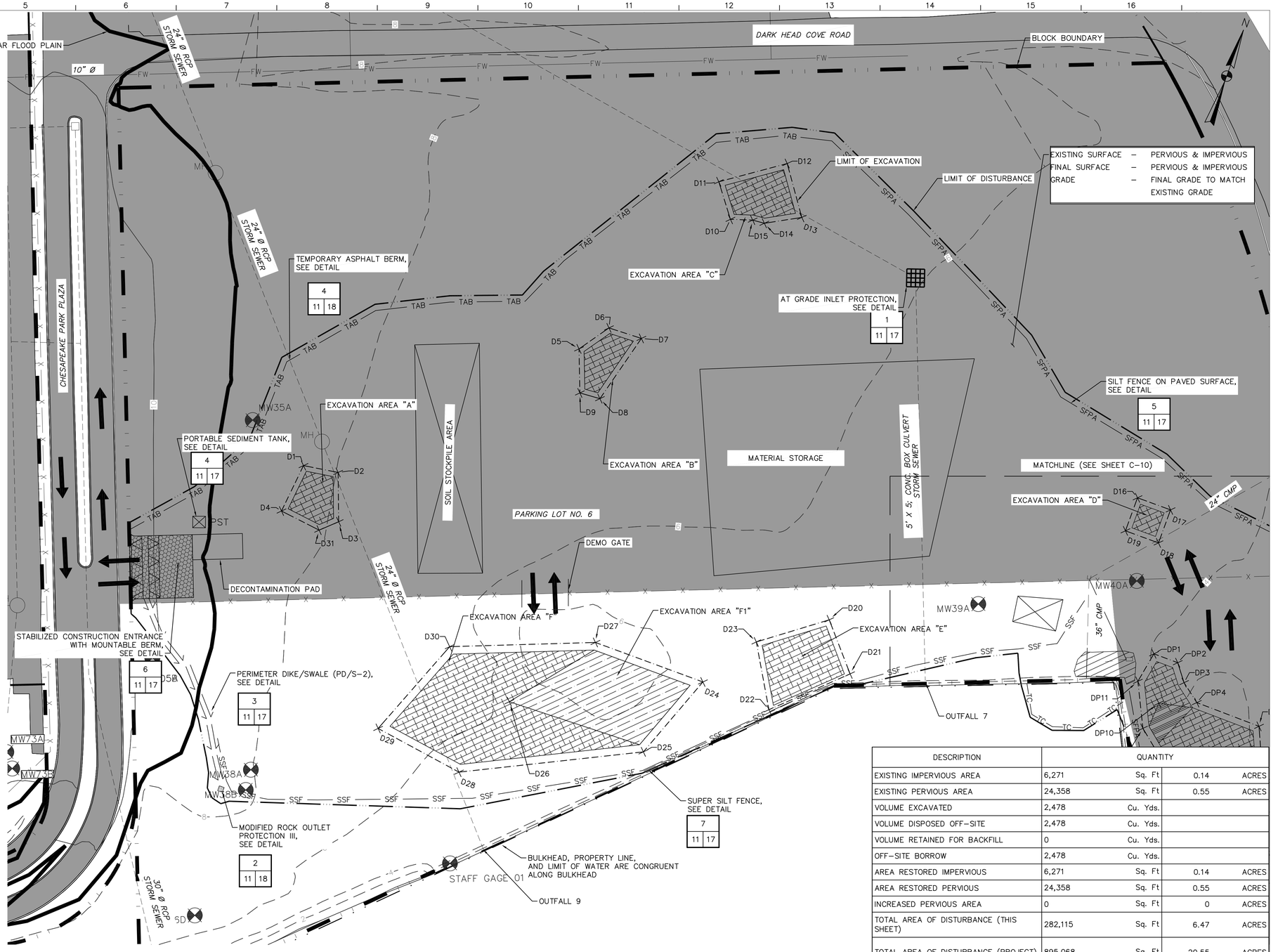
DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	TWS
DRAWN BY:	SPC
CHECKED BY:	SAN
SHEET:	10 OF 20

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Point Table			
Point #	Raw Description	Northing	Easting
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4	D4	605603.4768	1474442.5575
5	D5	605805.6712	1474620.8770
6	D6	605829.5058	1474637.5612
7	D7	605830.4793	1474664.6645
8	D8	605774.1437	1474650.0589
9	D9	605772.9664	1474633.5043
10	D10	605943.7603	1474698.8152
11	D11	605968.6820	1474679.8931
12	D12	606000.9313	1474726.0725
13	D13	605964.6195	1474751.6517
14	D14	605950.0287	1474725.2642
15	D15	605949.2290	1474715.6669
16	D16	605846.3091	1475078.9600
17	D17	605846.2680	1475106.9600
18	D18	605818.2681	1475106.9189
19	D19	605818.3091	1475078.9189
20	D20	605671.1652	1474881.6919
21	D21	605636.4024	1474912.0003
22	D22	605587.5506	1474861.0774
23	D23	605634.7897	1474833.2040
24	D24	605590.3211	1474804.1472
25	D25	605521.8349	1474778.6712
26	D26	605522.8742	1474664.7885
27	D27	605590.6217	1474713.0453
28	D28	605456.5107	1474646.3149
29	D29	605467.1882	1474573.9990
30	D30	605547.8034	1474605.2206
31	D31	605599.4211	1474475.8952



LEGEND:
REFER TO DRAWING T–2 FOR GENERAL LEGEND
➡ CONSTRUCTION TRAFFIC

NOTES:
1. REFER TO DRAWING C–8 FOR EROSION AND SEDIMENT CONTROL NOTES AND DRAWING C–18 FOR SEED MIXTURES
2. STORM DRAINS LOCATED WITHIN THE LIMITS OF EXCAVATION WILL BE PROTECTED AND SUPPORTED DURING EXCAVATION AND BACKFILL ACTIVITIES
3. PERVIOUS AREAS TO BE STABILIZED WITH PERMANENT SEED MIXTURE PROVIDED ON DRAWING C–18.
4. ASPHALT WILL BE REMOVED IN THE AREAS DESIGNATED FOR PLACEMENT OF THE CONSTRUCTION ENTRANCE PRIOR TO THE CONSTRUCTION ENTRANCE INSTALLATION.
5. FOR ACCESS PURPOSES THE EASTERNMOST EXCAVATION AREAS WILL BE EXCAVATED FIRST. AFTER RESTORATION OF THE EASTERNMOST EXCAVATION AREAS EXCAVATION WILL PROCEED WEST.
6. THE FENCE SOUTH OF THE PAVED SURFACE WILL BE CUT TO GAIN ACCESS TO THE EXCAVATION AREAS IN THE GRASS.
7. NO NEW UTILITIES PROPOSED.
8. ALL WORK PERFORMED WITHIN LOCKHEED MARTIN PROPERTY LINES.
9. EXISTING CONTOURS AND SURFACE CONDITIONS WILL BE RE–ESTABLISED ONCE THE CONTAMINATED SOIL HAS BEEN REMOVED.
10. CONSTRUCTION VEHICLES SHALL ENTER AND EXIT THE DISTURBED AREA ONLY VIA THE STABILIZED CONSTRUCTION ENTRANCE.

DESCRIPTION	QUANTITY		
EXISTING IMPERVIOUS AREA	6,271	Sq. Ft	0.14 ACRES
EXISTING PERVIOUS AREA	24,358	Sq. Ft	0.55 ACRES
VOLUME EXCAVATED	2,478	Cu. Yds.	
VOLUME DISPOSED OFF–SITE	2,478	Cu. Yds.	
VOLUME RETAINED FOR BACKFILL	0	Cu. Yds.	
OFF–SITE BORROW	2,478	Cu. Yds.	
AREA RESTORED IMPERVIOUS	6,271	Sq. Ft	0.14 ACRES
AREA RESTORED PERVIOUS	24,358	Sq. Ft	0.55 ACRES
INCREASED PERVIOUS AREA	0	Sq. Ft	0 ACRES
TOTAL AREA OF DISTURBANCE (THIS SHEET)	282,115	Sq. Ft	6.47 ACRES
TOTAL AREA OF DISTURBANCE (PROJECT)	895,068	Sq. Ft	20.55 ACRES

DATUM: HORIZONTAL=MARYLAND STATE PLANE 1983
VERTICAL=NAVD 88

0 40 80
SCALE IN FEET

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STATE OF MARYLAND — SCOTT A. NASH — No. 20015 — PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX
SOIL REMEDIAL ACTION
BLOCK D –
GRADING AND EROSION & SEDIMENT CONTROL PLAN

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	11 OF 20

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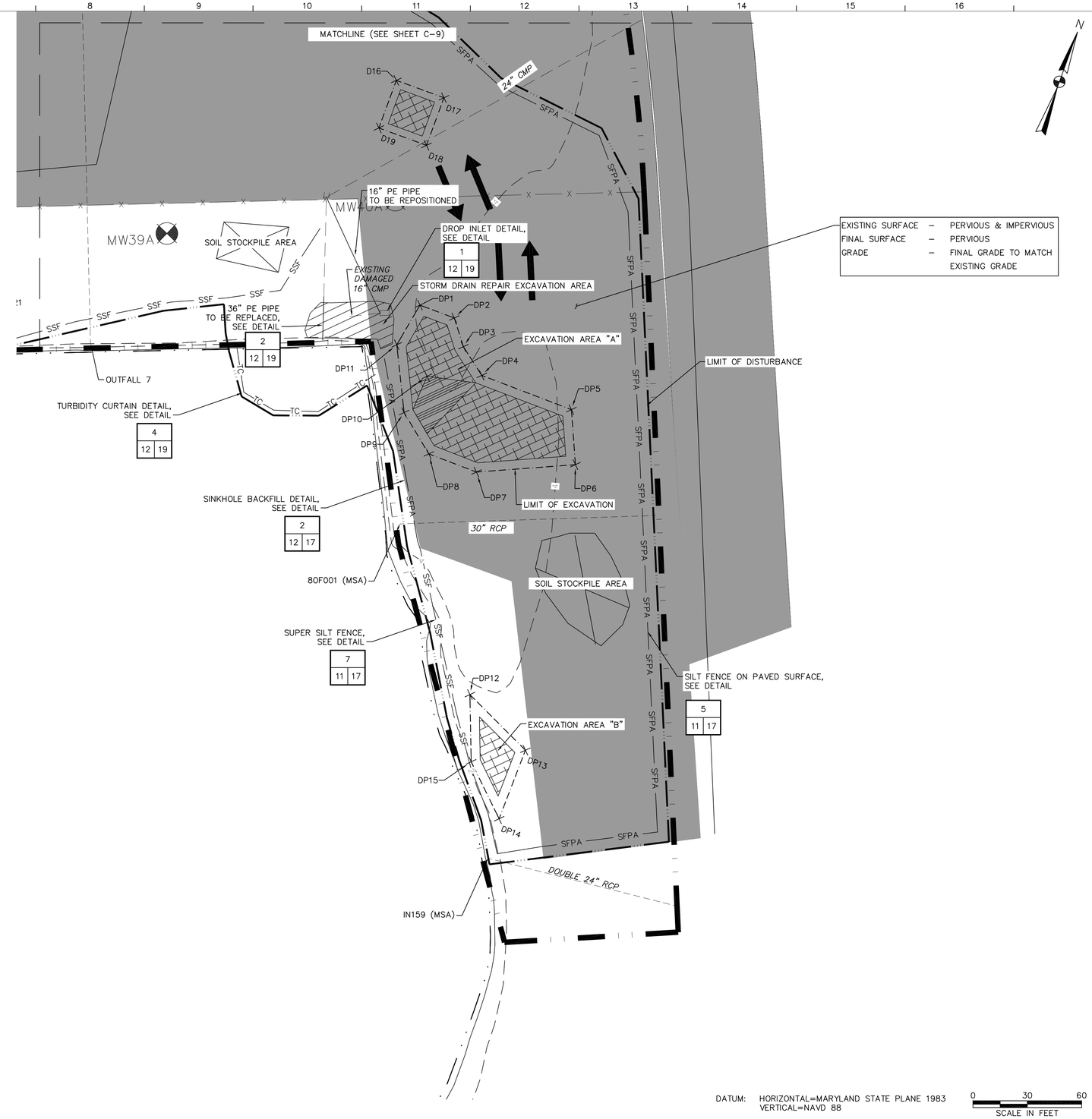
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Point Table			
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35	DP4	605709.3020	1475179.0102
36	DP5	605708.4685	1475232.0015
37	DP6	605680.6582	1475244.4845
38	DP7	605658.1438	1475194.5103
39	DP8	605658.5608	1475166.3780
40	DP9	605675.3543	1475145.7523
41	DP10	605698.5194	1475150.7839
42	DP11	605709.1517	1475129.1654
43	DP12	605541.3988	1475233.1791
44	DP13	605522.9955	1475272.4765
45	DP14	605482.4726	1475271.7826
46	DP15	605506.7529	1475246.5366

DESCRIPTION	QUANTITY			
EXISTING IMPERVIOUS AREA	34,486	Sq. Ft	0.79	ACRES
EXISTING PERVIOUS AREA	2,031	Sq. Ft	0.05	ACRES
VOLUME EXCAVATED	1,139	Cu. Yds.		
VOLUME DISPOSED OFF-SITE	1,139	Cu. Yds.		
VOLUME RETAINED FOR BACKFILL	0	Cu. Yds.		
OFF-SITE BORROW	1,139	Cu. Yds.		
AREA RESTORED IMPERVIOUS	0	Sq. Ft	0	ACRES
AREA RESTORED PERVIOUS	36,517	Sq. Ft	0.84	ACRES
INCREASED PERVIOUS AREA	34,486	Sq. Ft	0.79	ACRES
TOTAL AREA OF DISTURBANCE (THIS SHEET)	59,771	Sq. Ft	1.37	ACRES
TOTAL AREA OF DISTURBANCE (PROJECT)	895,068	Sq. Ft	20.55	ACRES

LEGEND:
REFER TO DRAWING T-2 FOR GENERAL LEGEND
➡ CONSTRUCTION TRAFFIC

NOTES:
1. REFER TO DRAWING C-8 FOR EROSION AND SEDIMENT CONTROL NOTES AND DRAWING C-18 FOR SEED MIXTURES
2. STORM DRAINS LOCATED WITHIN THE LIMITS OF EXCAVATION WILL BE PROTECTED AND SUPPORTED DURING EXCAVATION AND BACKFILL ACTIVITIES
3. STORM DRAIN REPAIR WILL BE COMPLETED BEFORE ANY OTHER INTRUSIVE WORK BEGINS IN THE BLOCK D PANHANDLE.
4. ALL IMPERVIOUS SURFACES WITHIN THE LIMITS OF DISTURBANCE IN THE BLOCK D PANHANDLE WILL BE REMOVED AND MADE PERVIOUS.
5. PERVIOUS AREAS TO BE STABILIZED WITH PERMANENT SEED MIXTURE PROVIDED ON DRAWING C-18.
6. FOR ACCESS PURPOSES THE SOUTHERNMOST EXCAVATION AREA WILL BE EXCAVATED FIRST. AFTER RESTORATION OF THE SOUTHERNMOST EXCAVATION AREAS EXCAVATION WILL PROCEED NORTH.
7. ACCESS TO THE BLOCK D PANHANDLE WILL BE THROUGH THE BLOCK D CONSTRUCTION ENTRANCE.
8. NO NEW UTILITIES PROPOSED.
9. ALL WORK PERFORMED WITHIN LOCKHEED MARTIN PROPERTY LINES.
10. EXISTING CONTOURS WILL BE RE-ESTABLISED ONCE THE CONTAMINATED SOIL HAS BEEN REMOVED.
11. SINKHOLE BACKFILL WILL BE USED AS NEEDED AS SINKHOLES ARE ENCOUNTERED. SINKHOLE BACKFILL WILL ALSO BE USED TO BACKFILL STORM DRAIN REPAIR AREA.
12. THE TURBIDITY CURTAIN WILL BE REMOVED UPON COMPLETION OF THE STORM DRAIN REPAIR AND RELOCATED TO ADDRESS ANY SINKHOLE REPAIRS NEEDED ALONG THE BULKHEAD WALL.
13. CONSTRUCTION VEHICLES SHALL ENTER AND EXIT THE DISTURBED AREA ONLY VIA THE STABILIZED CONSTRUCTION ENTRANCE.



DATUM: HORIZONTAL=MARYLAND STATE PLANE 1983
VERTICAL=NAVD 88

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STATE OF MARYLAND
SCOTT A. NESSEN
No. 29015
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

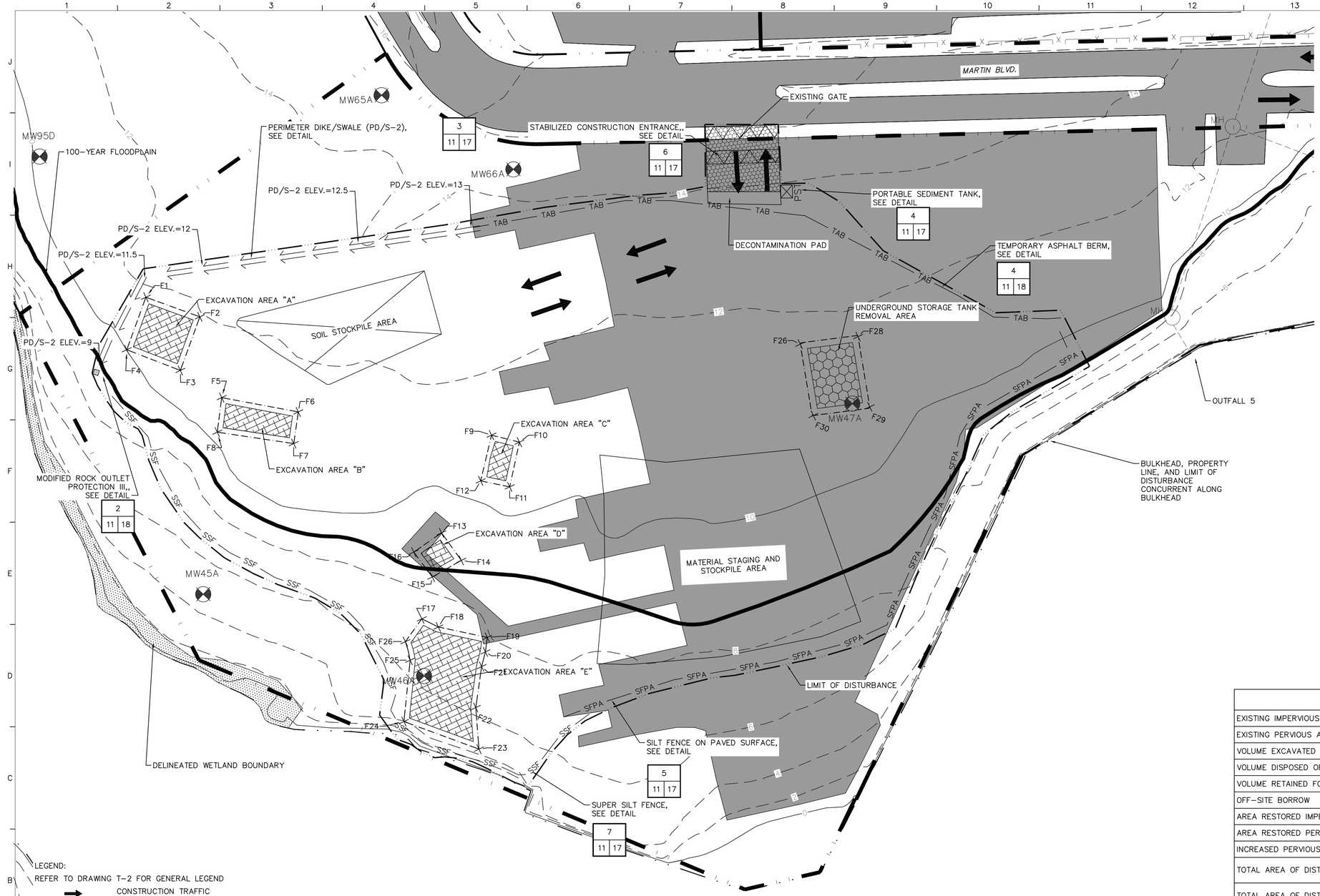
LOCKHEED MARTIN
MIDDLE RIVER COMPLEX
SOIL REMEDIAL ACTION
BLOCK D PANHANDLE –
GRADING AND EROSION & SEDIMENT CONTROL PLAN

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	12 OF 20

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Point Table			
Point #	Raw Description	Northing	Easting
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51	F5	604473.9629	1473017.8872
52	F6	604483.9090	1473077.9563
53	F7	604459.4165	1473083.0865
54	F8	604447.3925	1473023.8814
55	F9	604518.4736	1473226.0233
56	F10	604520.7860	1473248.3761
57	F11	604485.3408	1473253.2089
58	F12	604481.9954	1473230.2882
59	F13	604433.3480	1473215.4459
60	F14	604418.4130	1473237.3150
61	F15	604398.4393	1473220.4951
62	F16	604411.7920	1473200.1990
63	F17	604364.8863	1473223.9564
64	F18	604363.3333	1473238.2922
65	F19	604368.7718	1473277.0110
66	F20	604357.6111	1473279.5046
67	F21	604345.7951	1473280.6390
68	F22	604314.1102	1473287.3261
69	F23	604284.4666	1473300.7645
70	F24	604284.6576	1473238.3046
71	F25	604331.4227	1473226.4848
72	F26	604343.7209	1473218.0049
73	F26	604667.7844	1473428.3732
74	F28	604688.8209	1473468.8011
75	F29	604640.3633	1473496.1634
76	F30	604618.9307	1473457.0665

DESCRIPTION	QUANTITY			
EXISTING IMPERVIOUS AREA	2,625	Sq. Ft	0.06	ACRES
EXISTING PERVIOUS AREA	9,810	Sq. Ft	0.23	ACRES
VOLUME EXCAVATED	1,504	Cu. Yds.		
VOLUME DISPOSED OFF-SITE	1,504	Cu. Yds.		
VOLUME RETAINED FOR BACKFILL	0	Cu. Yds.		
OFF-SITE BORROW	1504	Cu. Yds.		
AREA RESTORED IMPERVIOUS	2,625	Sq. Ft	0.06	ACRES
AREA RESTORED PERVIOUS	9,810	Sq. Ft	0.23	ACRES
INCREASED PERVIOUS AREA	0	Sq. Ft	0	ACRES
TOTAL AREA OF DISTURBANCE (THIS SHEET)	228,674	Sq. Ft.	5.25	ACRES
TOTAL AREA OF DISTURBANCE (PROJECT)	895,068	Sq. Ft	20.55	ACRES

LEGEND:
REFER TO DRAWING T-2 FOR GENERAL LEGEND
CONSTRUCTION TRAFFIC

NOTES:
1. REFER TO DRAWING C-8 FOR EROSION AND SEDIMENT CONTROL NOTES AND DRAWING C-18 FOR SEED MIXTURES
2. STORM DRAINS LOCATED WITHIN THE LIMITS OF EXCAVATION WILL BE PROTECTED AND SUPPORTED DURING EXCAVATION AND BACKFILL ACTIVITIES
3. PERVIOUS AREAS TO BE STABILIZED WITH PERMANENT SEED MIXTURE PROVIDED ON DRAWING C-18.
4. NO NEW UTILITIES PROPOSED.
5. ALL WORK PERFORMED WITHIN LOCKHEED MARTIN PROPERTY LINES.
6. EXISTING CONTOURS AND SURFACE CONDITIONS WILL BE RE-ESTABLISED ONCE THE CONTAMINATED SOIL HAS BEEN REMOVED.
7. ASPHALT WILL BE REMOVED IN THE AREAS DESIGNATED FOR PLACEMENT OF THE CONSTRUCTION ENTRANCE PRIOR TO THE CONSTRUCTION ENTRANCE INSTALLATION.
8. CONSTRUCTION VEHICLES SHALL ENTER AND EXIT THE DISTURBED AREA ONLY VIA THE STABILIZED CONSTRUCTION ENTRANCE.

DATUM: HORIZONTAL=MARYLAND STATE PLANE 1983
VERTICAL=NAVD 88

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STATE OF MARYLAND — SCOTT A. RESSLER — No. 29015 — PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX

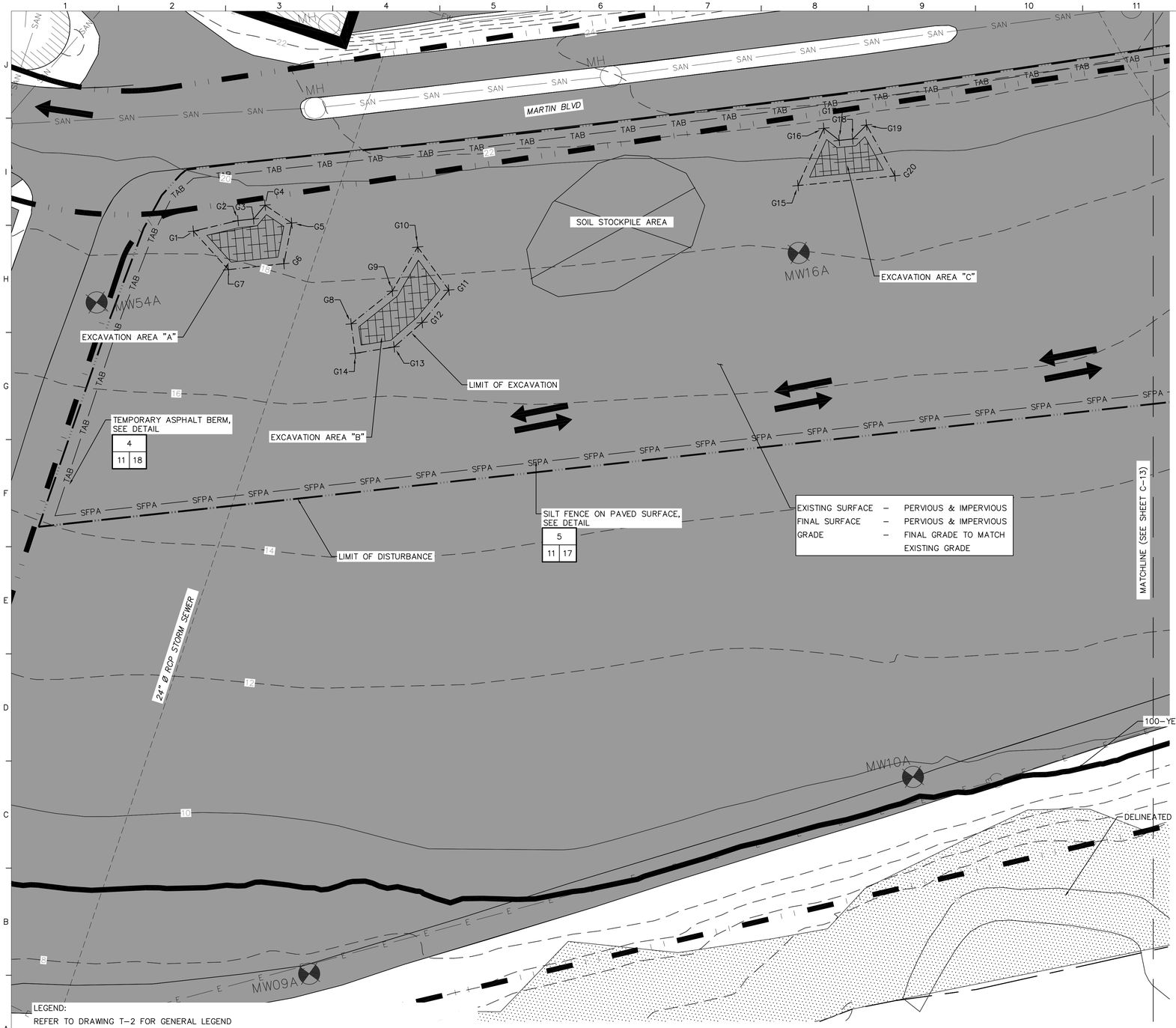
SOIL REMEDIAL ACTION
BLOCK F - GRADING AND EROSION & SEDIMENT CONTROL PLAN

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	13 OF 20

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Point Table			
Point #	Raw Description	Northing	Easting
77	G1	605752.2724	1471912.8890
78	G2	605736.8995	1471933.5871
79	G3	605730.8434	1471939.8416
80	G4	605730.8197	1471950.0107
81	G5	605712.8725	1471951.9336
82	G6	605701.5950	1471931.5855
83	G7	605723.3387	1471908.9543
84	G8	605650.8421	1471929.9968
85	G9	605645.0128	1471958.9837
86	G10	605649.9680	1471987.1254
87	G11	605620.9742	1471979.8407
88	G12	605620.7772	1471956.1961
89	G13	605624.0044	1471935.5594
90	G14	605638.4710	1471918.7280
91	G15	605508.3654	1472151.0680
92	G16	605517.9383	1472185.0722
93	G17	605506.9528	1472185.3953
94	G18	605501.6709	1472190.8341
95	G19	605500.7677	1472201.8988
96	G20	605470.1179	1472190.2561

LEGEND:
REFER TO DRAWING T-2 FOR GENERAL LEGEND
➡ CONSTRUCTION TRAFFIC

NOTES:
1. REFER TO DRAWING C-8 FOR EROSION AND SEDIMENT CONTROL NOTES AND DRAWING C-18 FOR SEED MIXTURES
2. STORM DRAINS AND ELECTRIC UTILITIES LOCATED WITHIN OR IN CLOSE PROXIMITY TO THE LIMIT OF EXCAVATION WILL BE PROTECTED AND SUPPORTED DURING EXCAVATION AND BACKFILLING ACTIVITIES
3. NO NEW UTILITIES PROPOSED.
4. ALL WORK PERFORMED WITHIN LOCKHEED MARTIN PROPERTY LINES.
5. EXISTING CONTOURS AND SURFACE CONDITIONS WILL BE RE-ESTABLISED ONCE THE CONTAMINATED SOIL HAS BEEN REMOVED.
6. CONSTRUCTION VEHICLES SHALL ENTER AND EXIT THE DISTURBED AREA ONLY VIA THE STABILIZED CONSTRUCTION ENTRANCE.

DESCRIPTION	QUANTITY			
EXISTING IMPERVIOUS AREA	3,778	Sq. Ft	0.09	ACRES
EXISTING PERVIOUS AREA	0	Sq. Ft	0	ACRES
VOLUME EXCAVATED	280	Cu. Yds.		
VOLUME DISPOSED OFF-SITE	280	Cu. Yds.		
VOLUME RETAINED FOR BACKFILL	0	Cu. Yds.		
OFF-SITE BORROW	280	Cu. Yds.		
AREA RESTORED IMPERVIOUS	3,778	Sq. Ft	0.09	ACRES
AREA RESTORED PERVIOUS	0	Sq. Ft	0	ACRES
INCREASED PERVIOUS AREA	0	Sq. Ft	0	ACRES
TOTAL AREA OF DISTURBANCE (THIS SHEET)	120,093	Sq. Ft	2.76	ACRES
TOTAL AREA OF DISTURBANCE (PROJECT)	895,068	Sq. Ft	20.55	ACRES

DATUM: HORIZONTAL=MARYLAND STATE PLANE 1983
VERTICAL=NAVD 88

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STATE OF MARYLAND — SCOTT A. SEIDEL — No. 29015 — PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX
SOIL REMEDIAL ACTION
BLOCK G – GRADING AND EROSION & SEDIMENT CONTROL PLAN (SHEET 1 OF 2)

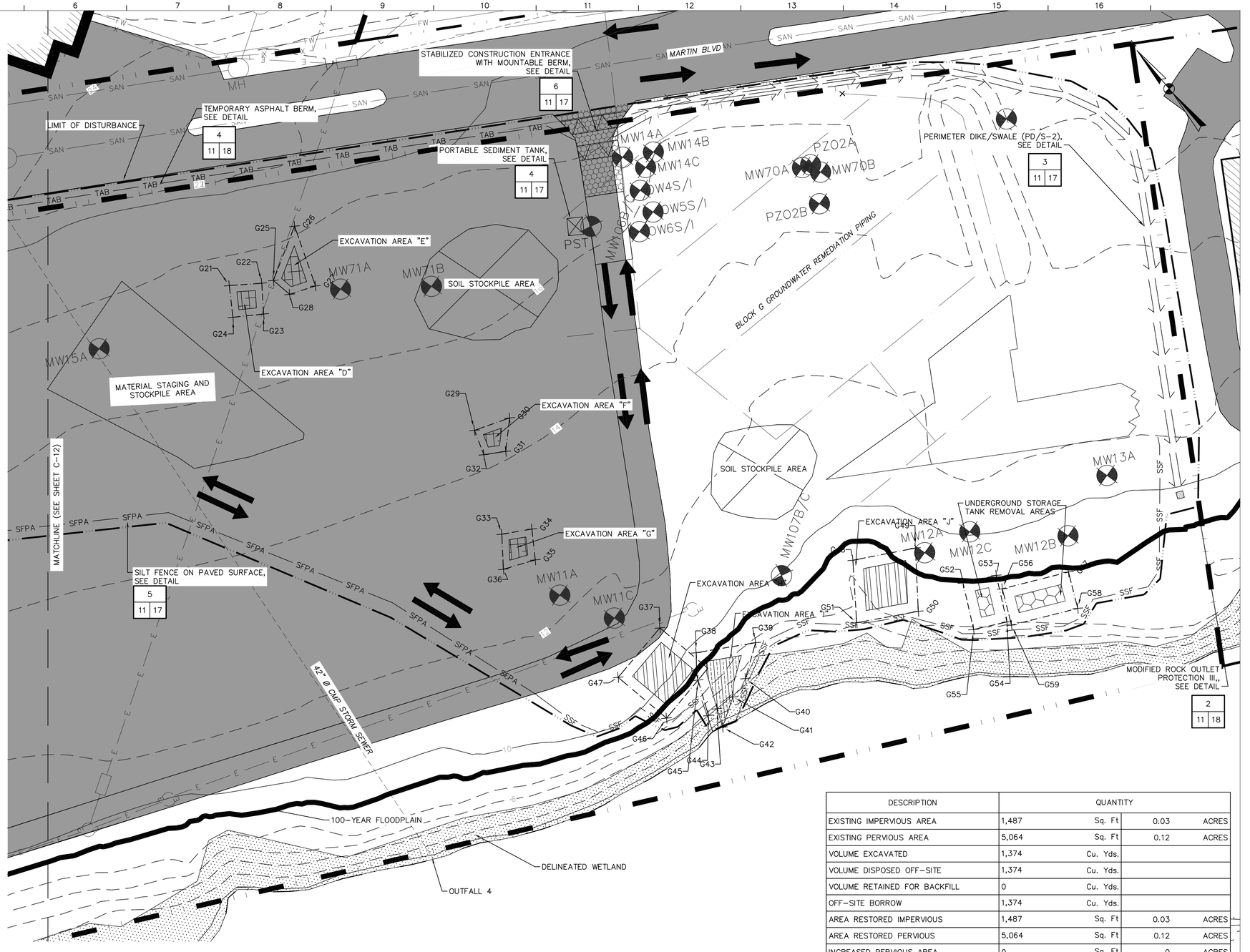
DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	14 OF 20

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Point Table			
Point #	Raw Description	Northing	Easting
97	G21	605281.0611	1472374.7767
98	G22	605267.3422	1472388.0344
99	G23	605254.9137	1472374.9090
100	G24	605267.4747	1472361.8871
101	G25	605263.1946	1472393.6652
102	G26	605274.1281	1472426.0283
103	G27	605242.2320	1472407.0660
104	G28	605250.6220	1472393.5549
105	G29	605116.4282	1472402.0919
106	G30	605105.3364	1472420.8960
107	G31	605094.4613	1472404.4108
108	G32	605103.0649	1472394.6775
109	G33	605065.0474	1472365.7439
110	G34	605053.4663	1472379.3838
111	G35	605040.3530	1472366.7691
112	G36	605051.0903	1472350.5861
113	G37	604958.7707	1472383.2082
114	G38	604933.1068	1472385.7139
115	G39	604910.2330	1472412.5966
116	G40	604901.2642	1472392.7244
117	G41	604899.9372	1472379.6902
118	G42	604893.1760	1472362.1662
119	G43	604902.7147	1472368.3659
120	G44	604903.9658	1472362.1483
121	G45	604921.9642	1472374.1472
122	G46	604921.7659	1472345.1663
123	G47	604958.8661	1472345.2596
124	G48	604897.6387	1472486.2604
125	G49	604874.1448	1472515.2867
126	G50	604849.0230	1472487.9639
127	G51	604872.3648	1472459.6203
128	G52	604839.6392	1472517.5697
129	G53	604827.5434	1472533.4974
130	G54	604805.2446	1472516.5633
131	G55	604817.3404	1472500.6356
132	G56	604819.7954	1472529.7292
133	G57	604796.4135	1472562.1836
134	G58	604778.5636	1472549.3235
135	G59	604801.9455	1472516.8692



LEGEND:
REFER TO DRAWING T-2 FOR GENERAL LEGEND
TBD TO BE DETERMINED
➡ CONSTRUCTION TRAFFIC

NOTES:
1. REFER TO DRAWING C-8 FOR EROSION AND SEDIMENT CONTROL NOTES AND DRAWING C-18 FOR SEED MIXTURES
2. STORM DRAINS AND ELECTRIC UTILITIES LOCATED WITHIN OR IN CLOSE PROXIMITY TO THE LIMIT OF EXCAVATION WILL BE PROTECTED AND SUPPORTED DURING EXCAVATION AND BACKFILLING ACTIVITIES
3. NO NEW UTILITIES PROPOSED.
4. ALL WORK PERFORMED WITHIN LOCKHEED MARTIN PROPERTY LINES.
5. EXISTING CONTOURS AND SURFACE CONDITIONS WILL BE RE-ESTABLISED ONCE THE CONTAMINATED SOIL HAS BEEN REMOVED.
6. COORDINATES LISTED IN TABLE ABOVE FOR POINTS 128 THROUGH 135 ARE APPROXIMATE. ACTUAL COORDINATES WILL BE DETERMINED IN THE FIELD FOLLOWING GEOPHYSICS TO LOCATE UNDERGROUND STORAGE TANKS.
7. ASPHALT WILL BE REMOVED IN THE AREAS DESIGNATED FOR PLACEMENT OF THE CONSTRUCTION ENTRANCE PRIOR TO THE CONSTRUCTION ENTRANCE INSTALLATION.
8. CONSTRUCTION VEHICLES SHALL ENTER AND EXIT THE DISTURBED AREA ONLY VIA THE STABILIZED CONSTRUCTION ENTRANCE.

DESCRIPTION	QUANTITY			
EXISTING IMPERVIOUS AREA	1,487	Sq. Ft	0.03	ACRES
EXISTING PERVIOUS AREA	5,064	Sq. Ft	0.12	ACRES
VOLUME EXCAVATED	1,374	Cu. Yds.		
VOLUME DISPOSED OFF-SITE	1,374	Cu. Yds.		
VOLUME RETAINED FOR BACKFILL	0	Cu. Yds.		
OFF-SITE BORROW	1,374	Cu. Yds.		
AREA RESTORED IMPERVIOUS	1,487	Sq. Ft	0.03	ACRES
AREA RESTORED PERVIOUS	5,064	Sq. Ft	0.12	ACRES
INCREASED PERVIOUS AREA	0	Sq. Ft	0	ACRES
TOTAL AREA OF DISTURBANCE (THIS SHEET)	197,381	Sq. Ft	4.53	ACRES
TOTAL AREA OF DISTURBANCE (PROJECT)	895,068	Sq. Ft	20.55	ACRES

DATUM: HORIZONTAL=MARYLAND STATE PLANE 1983
VERTICAL=NAVD 88

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STATE OF MARYLAND SCOTT I. GOLDSBERRY No. 29015 PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX
SOIL REMEDIAL ACTION
BLOCK G – GRADING AND EROSION & SEDIMENT CONTROL PLAN (SHEET 2 F 2)

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	15 OF 20

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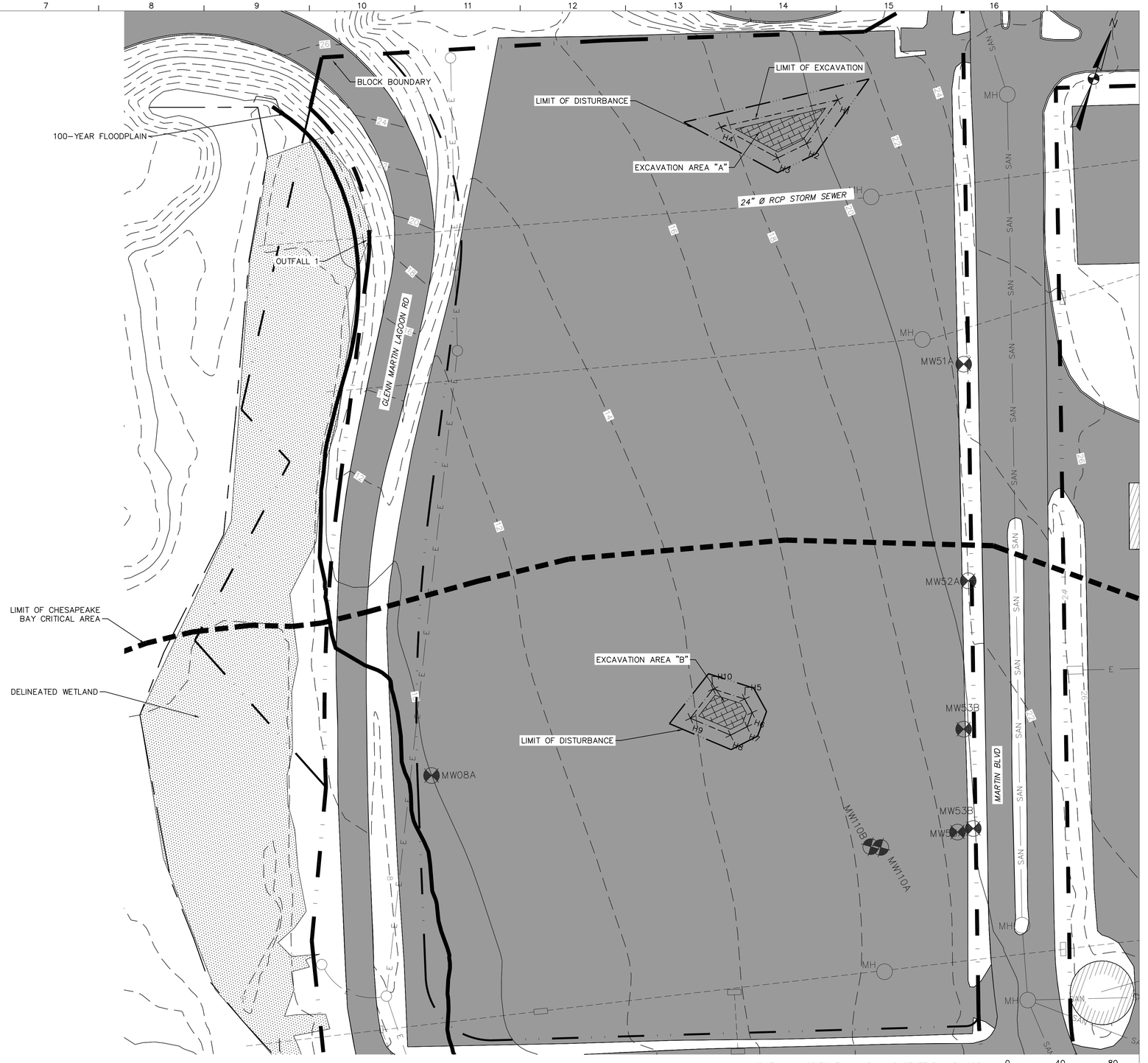
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Point Table			
Point #	Raw Description	Northing	Easting
136	H1	606467.6187	1471519.7712
137	H2	606427.8785	1471508.7632
138	H3	606410.2361	1471491.7907
139	H4	606417.4512	1471442.9496
140	H5	606014.9504	1471608.9217
141	H6	606007.2382	1471617.8162
142	H7	605995.7544	1471617.8162
143	H8	605985.4932	1471608.2688
144	H9	605987.1208	1471575.1174
145	H10	606013.9053	1471583.7971

DESCRIPTION	QUANTITY			
EXISTING IMPERVIOUS AREA	2,751	Sq. Ft	0.06	ACRES
EXISTING PERVIOUS AREA	0	Sq. Ft	0	ACRES
VOLUME EXCAVATED	204	Cu. Yds.		
VOLUME DISPOSED OFF-SITE	204	Cu. Yds.		
VOLUME RETAINED FOR BACKFILL	0	Cu. Yds.		
OFF-SITE BORROW	204	Cu. Yds.		
AREA RESTORED IMPERVIOUS	2,751	Sq. Ft	0.06	ACRES
AREA RESTORED PERVIOUS	0	Sq. Ft	0	ACRES
INCREASED PERVIOUS AREA	0	Sq. Ft	0	ACRES
TOTAL AREA OF DISTURBANCE (THIS SHEET)	7,034	Sq. Ft	0.16	ACRES
TOTAL AREA OF DISTURBANCE (PROJECT)	895,068	Sq. Ft	20.55	ACRES

LEGEND:
REFER TO DRAWING T-2 FOR GENERAL LEGEND
CONSTRUCTION TRAFFIC

NOTES:
1. REFER TO DRAWING C-8 FOR EROSION AND SEDIMENT CONTROL NOTES.
2. NO NEW UTILITIES PROPOSED.
3. ALL WORK PERFORMED WITHIN LOCKHEED MARTIN PROPERTY LINES.
4. EXISTING CONTOURS AND SURFACE CONDITIONS WILL BE RE-ESTABLISED ONCE THE CONTAMINATED SOIL HAS BEEN REMOVED.
5. CONTRACTOR SHALL ONLY DISTURB THE AREAS WHICH CAN BE COMPLETED AND STABILIZED BY THE END OF EACH WORKING DAY.
6. STABILIZATION SHALL BE THE APPLICATION OF STONE BASE.
7. EROSION AND SEDIMENT CONTROLS WILL NOT BE INSTALLED IN BLOCK H DUE TO SAME DAY STABILIZATION OF EXCAVATED AREAS. CONTRACTOR SHALL DISTURB ONLY THAT WHICH CAN BE COMPLETED AND STABILIZED WITH STONE BASE (MINIMUM) BY THE END OF EACH WORK DAY.



DATUM: HORIZONTAL=MARYLAND STATE PLANE 1983
VERTICAL=NAVD 88

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STATE OF MARYLAND — SCOTT A. NEISER — No. 29015 — PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

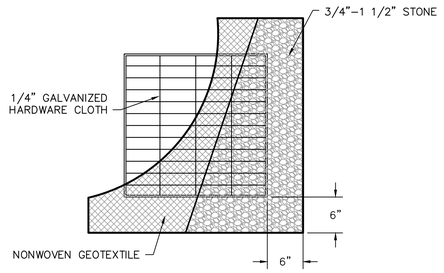
LOCKHEED MARTIN
MIDDLE RIVER COMPLEX
SOIL REMEDIAL ACTION
BLOCK H -
GRADING AND EROSION & SEDIMENT CONTROL PLAN

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	16 OF 20

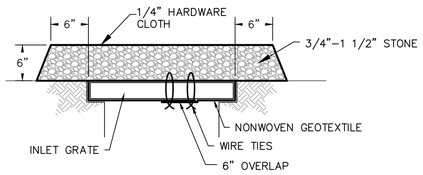
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PLAN/CUT AWAY VIEW



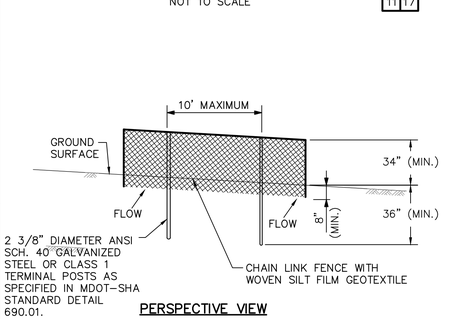
CROSS SECTION

CONSTRUCTION SPECIFICATIONS

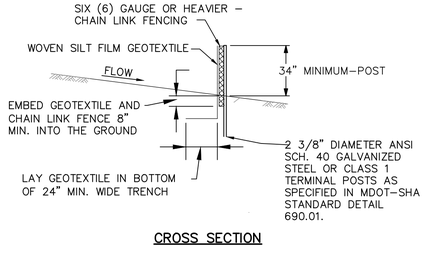
1. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H–1 MATERIALS.
2. LIFT GRATE AND WRAP WITH NONWOVEN GEOTEXTILE TO COMPLETELY COVER ALL OPENINGS. SECURE WITH WIRE TIES AND SET GRATE BACK IN PLACE.
3. PLACE CLEAN ¾ TO 1½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE 6 INCHES THICK ON THE GRATE.
4. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

AT GRADE INLET PROTECTION DETAIL

NOT TO SCALE — 1 | 11 17



PERSPECTIVE VIEW



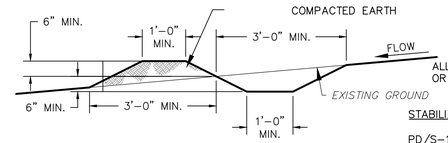
CROSS SECTION

CONSTRUCTION SPECIFICATIONS

1. INSTALL 2⅜ INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.
2. FASTEN 6 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (2⅜ INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS.
3. FASTEN WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H–1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES INTO THE GROUND. LAY THE GEOTEXTILE IN THE BOTTOM OF THE 24 INCH WIDE TRENCH.
4. WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BY PASS.
5. EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF THREE VERTICAL FEET TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.
6. PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H–1 MATERIALS.
7. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE.

SUPER SILT FENCE DETAIL

NOT TO SCALE — 7 | 11 17

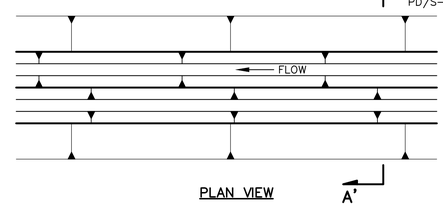


CROSS SECTION A–A'

STABILIZATION

PD/S–1: SEED AND MULCH (DRAINING ≤ 1 ACRE) (NOT ALLOWED FOR CLEAR WATER DIVERSION)

PD/S–2: SEED AND COVER WITH SOIL, STABILIZATION MATTING OR LINE WITH SOD (DRAINING BETWEEN 1 AND 2 ACRES)



CONTINUOUS GRADE 0.5% MIN. TO 10% MAX SLOPE

PLAN VIEW

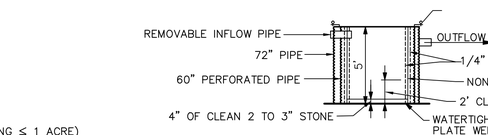
CONSTRUCTION SPECIFICATIONS

1. REMOVE AND DISPOSE OF ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SO AS NOT TO INTERFERE WITH PROPER FUNCTION OF DIKE/SWALE.
2. EXCAVATE OR SHAPE DIKE/SWALE TO LINE, GRADE, AND CROSS SECTION AS SPECIFIED. BANK PROJECTIONS OR OTHER IRREGULARITIES ARE NOT ALLOWED.
3. COMPACT FILL.
4. CONSTRUCT DIKE/SWALE ON AN UNINTERRUPTED, CONTINUOUS GRADE, ADJUSTING THE LOCATION DUE TO FIELD CONDITIONS AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE.
5. PROVIDE OUTLET PROTECTION AS REQUIRED ON APPROVED PLAN.
6. STABILIZE DIKE/SWALE WITHIN 3 DAYS OF INSTALLATION. STABILIZE DIKE/SWALES USED FOR CLEAR WATER DIVERSION WITHIN 24 HOURS OF INSTALLATION.
7. MAINTAIN LINE, GRADE, AND CROSS SECTION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS, AND MAINTAIN POSITIVE DRAINAGE. KEEP PERIMETER DIKE/SWALE AND POINT OF DISCHARGE FREE OF EROSION AND CONTINUOUSLY MEET REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH SECTION B–4 VEGETATIVE STABILIZATION.
8. UPON REMOVAL OF DIKE/SWALE, GRADE AREA FLUSH WITH EXISTING GROUND. WITHIN 24 HOURS OF REMOVAL STABILIZE DISTURBED AREA WITH TOPSOIL, SEED, MULCH, OR AS SPECIFIED ON APPROVED PLAN.

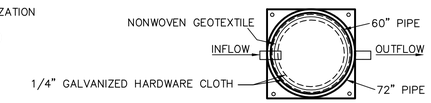
NOTE: MAXIMUM DRAINAGE AREA FOR THIS PRACTICE IS 2 ACRES.

PERIMETER DIKE/SWALE DETAIL

NOT TO SCALE — 3 | 11 17



ELEVATION



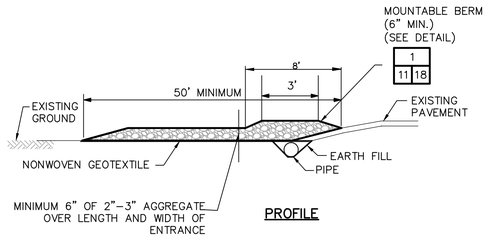
PLAN VIEW

CONSTRUCTION SPECIFICATIONS

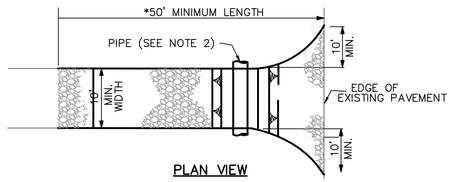
1. PROVIDE 1 CUBIC FOOT OF STORAGE FOR EACH GALLON PER MINUTE OF PUMP CAPACITY. REQUIRED STORAGE VOLUME MAY BE ATTAINED BY PLACEMENT OF TANKS IN PARALLEL WITH INFLOW EVENLY DISTRIBUTED AMONG TANKS. OVERTOPPING OF TANKS IS NOT PERMITTED.
2. USE 60 INCH CORRUGATED METAL OR PLASTIC PIPE WITH 1 INCH DIAMETER PERFORATIONS, 6 INCHES ON CENTER FOR THE INNER PIPE. LINE PIPE WITH NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H–1 MATERIALS, SANDWICHED BETWEEN, AND ATTACHED TO, ¼ INCH HARDWARE CLOTH.
3. OVERLAP GEOTEXTILE 8 INCHES MINIMUM AT VERTICAL SEAM AND AT THE BOTTOM PLATE.
4. ANCHOR GEOTEXTILE AT BOTTOM OF TANK WITH 4 INCHES OF 2 TO 3 INCH CLEAN STONE OR EQUIVALENT RECYCLED CONCRETE.
5. USE 72 INCH CORRUGATED METAL OR PLASTIC OUTER PIPE WITH PERMANENT OUTFLOW PIPE WITH INVERT LOWER THAN INFLOW PIPE
6. INFLOW PIPE MUST DISCHARGE INTO INNER PIPE AND BE REMOVABLE.
7. PLACE TANK ON LEVEL SURFACE AND DISCHARGE TO A STABLE AREA AT A NONEROSIVE RATE.
8. A PORTABLE SEDIMENT TANK REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT FROM INNER PIPE WHEN IT REACHES TWO FEET IN DEPTH. IF SYSTEM CLOGS, PULL OUT INNER PIPE, REMOVE ACCUMULATED SEDIMENT, AND REPLACE GEOTEXTILE. KEEP POINT OF DISCHARGE FREE OF EROSION.

PORTABLE SEDIMENT TANK DETAIL

NOT TO SCALE — 4 | 11 17



PROFILE



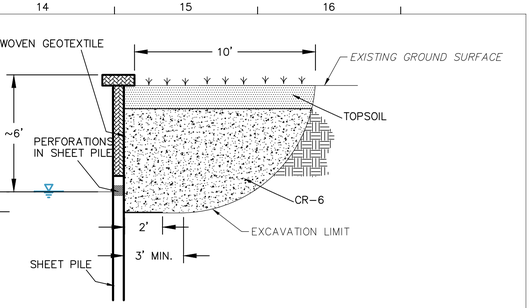
PLAN VIEW

CONSTRUCTION SPECIFICATIONS

1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (*30 FEET FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
2. PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.
3. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H–1 MATERIALS.
4. PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.
5. MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM DETAIL

NOT TO SCALE — 6 | 11 17

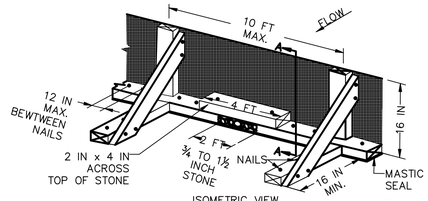


CONSTRUCTION SPECIFICATIONS

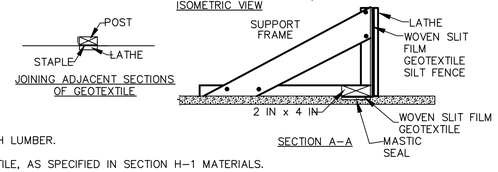
1. CR–6 WILL HAVE COMPRESSIVE STRENGTH OF 50 TO 100 PSI.
2. CR–6 WILL BE PLACED IN MAX 12–INCH LIFTS. THE NEXT LIFT WILL NOT BE PLACED UNTIL THE UNDERLYING LIFT IS STRONG ENOUGH TO HAVE A ONE FOOT VERTICAL FACE UNDER LOAD OF THE NEXT LIFT (I.E. APPROXIMATELY 2 PSI OR 288 PSF OF COMPRESSIVE STRENGTH).
3. BOTTOM OF THE EXCAVATION LIMIT NEAR THE SHEET PILE WILL BE 3 FEET HORIZONTAL OR SLOPING AWAY FROM THE SHEET PILE.

SINKHOLE BACKFILL DETAIL

NOT TO SCALE — 2 | 12 17



ISOMETRIC VIEW



JOINING ADJACENT SECTIONS OF GEOTEXTILE

SECTION A–A

1. USE NOMINAL 2 INCH X 4 INCH LUMBER.
2. USE WOVEN SLIT FILM GEOTEXTILE, AS SPECIFIED IN SECTION H–1 MATERIALS.
3. PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H–1 MATERIALS.
4. SPACE UPRIGHT SUPPORTS NO MORE THAN 10 FEET APART.
5. PROVIDE A TWO FOOT OPENING BETWEEN EVERY SET OF SUPPORTS AND PLACE STONE IN THE OPENING OVER GEOTEXTILE.
6. KEEP SILT FENCE TAUT AND SECURELY STAPLE TO THE UPSLOPE SIDE OF UPRIGHT SUPPORTS. EXTEND GEOTEXTILE UNDER 2x4.
7. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, FOLD, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL. ATTACH LATHE.
8. PROVIDE A MASTIC SEAL BETWEEN PAVEMENT, GEOTEXTILE, AND 2x4 TO PREVENT SEDIMENT–LADEN WATER FROM ESCAPING BENEATH SILT FENCE INSTALLATION.
9. SECURE BOARDS TO PAVEMENT WITH 40D 5 INCH MINIMUM LENGTH NAILS.
10. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. MAINTAIN WATER TIGHT SEAL ALONG BOTTOM. REPLACE STONE IF DISPLACED.

SILT FENCE ON PAVED SURFACE DETAIL

NOT TO SCALE — 5 | 11 17

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT

APPROVED FOR SEDIMENT CONTROL

DATE

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STATE OF MARYLAND — SCOTT A. NESSE — No. 29015 — PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX

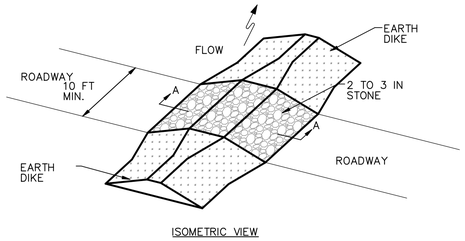
SOIL REMEDIAL ACTION
EROSION AND SEDIMENT CONTROL DETAILS
(SHEET 1 OF 3)

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	TWS
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	17 OF 20

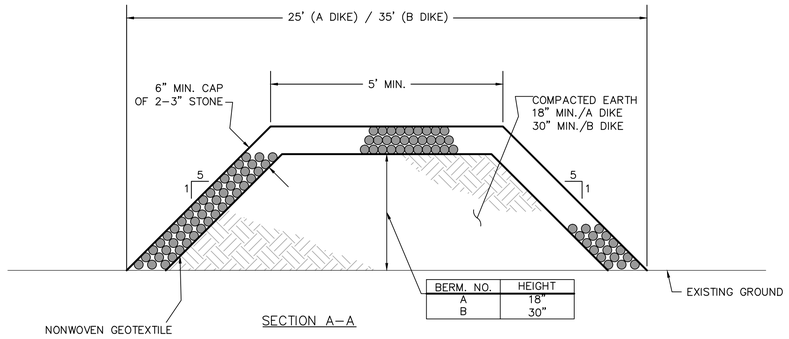
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ISOMETRIC VIEW



BERM. NO.	HEIGHT
A	18"
B	30"

SECTION A–A

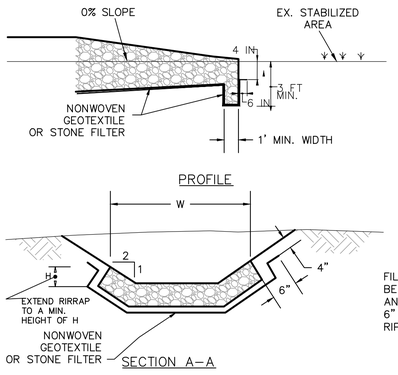
CONSTRUCTION SPECIFICATIONS

1. USE MINIMUM WIDTH OF 10 FEET TO ALLOW FOR VEHICULAR PASSAGE.
2. PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H–1 MATERIALS, OVER THE EARTH MOUND PRIOR TO PLACING STONE.
3. PLACE 2 TO 3 INCH STONE OR EQUIVALENT RECYCLED CONCRETE AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE MOUNTABLE BERM.
4. MAINTAIN LINE, GRADE, AND CROSS SECTION. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN SPECIFIED DIMENSIONS. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE.

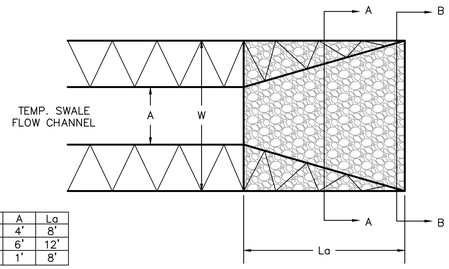
MOUNTABLE BERM DETAIL

NOT TO SCALE

1 | 11 | 18



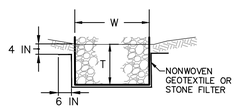
STONE SHALL BE CLASS I RIP–RAP D50=9.5" T=19"



	W	A	La
'A' TEMP. SWALE	8'	4'	8'
'B' TEMP. SWALE	12'	6'	12'
PD/S	2'	1'	8'

PLAN VIEW

FILTER FABRIC SHALL BE EMBEDDED A MIN. OF 4" AND SHALL EXTEND AT LEAST 6" BEYOND THE EDGE OF THE RIP–RAP



SECTION B–B

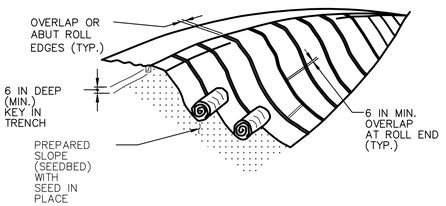
CONSTRUCTION SPECIFICATIONS

1. RIPRAP AND STONE MUST CONFORM TO THE SPECIFIED CLASS.
2. USE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H–1 MATERIALS, AND PROTECT FROM PUNCTURING, CUTTING, OR TEARING. REPAIR ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE BY PLACING ANOTHER PIECE OF GEOTEXTILE OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE GEOTEXTILE. PROVIDE A MINIMUM OF ONE FOOT OVERLAP FOR ALL REPAIRS AND FOR JOINING TWO PIECES OF GEOTEXTILE TOGETHER.
3. PREPARE THE SUBGRADE FOR GEOTEXTILE OR STONE FILTER (⅜ TO 1½ INCH MINIMUM STONE FOR 6 INCH MINIMUM DEPTH) AND RIPRAP TO THE REQUIRED LINES AND GRADES. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING UNDISTURBED MATERIAL.
4. EXTEND GEOTEXTILE AT LEAST 6 INCHES BEYOND EDGES OF RIPRAP AND EMBED AT LEAST 4 INCHES AT SIDES OF RIPRAP.
5. CONSTRUCT RIPRAP OUTLET TO FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. PLACE STONE FOR RIPRAP OUTLET IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENOUS WITH THE SMALLER STONES AND SPALLS FILLING THE VOIDS BETWEEN THE LARGER STONES. PLACE RIPRAP IN A MANNER TO PREVENT DAMAGE TO THE FILTER BLANKET OR GEOTEXTILE. HAND PLACE TO THE EXTENT NECESSARY.
6. WHERE NO ENDWALL IS USED, CONSTRUCT THE UPSTREAM END OF THE APRON SO THAT THE WIDTH IS TWO TIMES THE DIAMETER OF THE OUTLET PIPE, AND EXTEND THE STONE UNDER THE OUTLET BY A MINIMUM OF 18 INCHES.
7. CONSTRUCT APRON WITH 0% SLOPE ALONG ITS LENGTH AND WITHOUT OBSTRUCTIONS. PLACE STONE SO THAT IT BLENDS IN WITH EXISTING GROUND.
8. MAINTAIN LINE, GRADE, AND CROSS SECTION. KEEP OUTLET FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. AFTER HIGH FLOWS INSPECT FOR SCOUR AND RIPRAP DISLODGED RIPRAP. MAKE NECESSARY REPAIRS IMMEDIATELY.

MODIFIED ROCK OUTLET PROTECTION III DETAIL

NOT TO SCALE

2 | 11 | 18



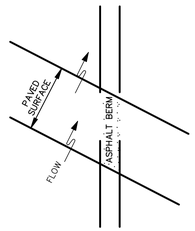
TEMPORARY SOIL STABILIZATION MATTING SLOPE APPLICATION

NOT TO SCALE

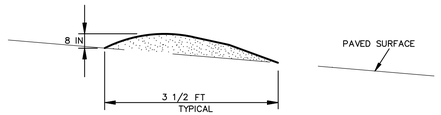
3 | 11 | 18

CONSTRUCTION SPECIFICATIONS

1. USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN 1.5 LB/FT^2.
2. USE TEMPORARY SOIL STABILIZATION MATTING MADE OF DEGRADABLE (LASTS 6 MONTHS MINIMUM) NATURAL OR MAN–MADE FIBERS (MOSTLY ORGANIC). MAT MUST HAVE UNIFORM THICKNESS AND DISTRIBUTION OF FIBERS THROUGHOUT AND BE SMOLDER RESISTANT. CHEMICALS USED IN THE MAT MUST BE NON–LEACHING AND NON–TOXIC TO VEGETATION AND SEED GERMINATION AND NON–INJURIOUS TO THE SKIN. IF PRESENT, NETTING MUST BE EXTRUDED PLASTIC WITH A MAXIMUM MESH OPENING OF 2x2 INCHES AND SUFFICIENTLY BONDED OR SEWN ON 2 INCH CENTERS ALONG LONGITUDINAL AXIS OF THE MATERIAL TO PREVENT SEPARATION OF THE NET FROM THE PARENT MATERIAL.
3. SECURE MATTING USING STEEL STAPLES, WOOD STAKES, OR BIODEGRADABLE EQUIVALENT. STAPLES MUST BE "U" OR "T" SHAPED STEEL WIRE HAVING A MINIMUM GAUGE OF NO. 11 AND NO. 8 RESPECTIVELY. "U" SHAPED STAPLES MUST AVERAGE 1 TO 11/2 INCHES WIDE AND BE A MINIMUM OF 6 INCHES LONG. "T" SHAPED STAPLES MUST HAVE A MINIMUM 8 INCH MAIN LEG, A MINIMUM 1 INCH SECONDARY LEG, AND A MINIMUM 4 INCH HEAD. WOOD STAKES MUST BE ROUGH–SAWN HARDWOOD, 12 TO 24 INCHES IN LENGTH, 1x3 INCH IN CROSS SECTION, AND WEDGE SHAPED AT THE BOTTOM.
4. PERFORM FINAL GRADING, TOPSOIL APPLICATION, SEEDBED PREPARATION, AND PERMANENT SEEDING IN ACCORDANCE WITH SPECIFICATIONS. PLACE MATTING WITHIN 48 HOURS OF COMPLETING SEEDING OPERATIONS UNLESS END OF WORKDAY STABILIZATION IS SPECIFIED ON THE APPROVED EROSION & SEDIMENT CONTROL PLAN.
5. UNROLL MATTING DOWNSLOPE. LAY MAT SMOOTHLY AND FIRMLY UPON THE SEEDED SURFACE. AVOID STRETCHING THE MATTING.
6. OVERLAP OR ABUT ROLL EDGES PER MANUFACTURER RECOMMENDATIONS. OVERLAP ROLL ENDS BY 6 INCHES (MINIMUM), WITH THE UPSLOPE MAT OVERLAPPING ON TOP OF THE DOWNSLOPE MAT.
7. KEY IN THE UPSLOPE END OF MAT 6 INCHES (MINIMUM) BY DIGGING A TRENCH, PLACING THE MATTING ROLL END IN THE TRENCH, STAPLING THE MAT IN PLACE, REPLACING THE EXCAVATED MATERIAL, AND TAMPING TO SECURE THE MAT END IN THE KEY.
8. STAPLE/STAKE MAT IN A STAGGERED PATTERN ON 4 FOOT (MAXIMUM) CENTERS THROUGHOUT AND 2 FOOT (MAXIMUM) CENTERS ALONG SEAMS, JOINTS, AND ROLL ENDS.
9. ESTABLISH AND MAINTAIN VEGETATION SO THAT REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT ARE CONTINUOUSLY MET IN ACCORDANCE WITH SECTION B–4 VEGETATIVE STABILIZATION.



PLAN VIEW



CROSS SECTION

CONSTRUCTION SPECIFICATIONS

1. CONSTRUCT BERM ON AN UNINTERRUPTED, CONTINUOUS GRADE.
2. INSTALL BERM TO CONFORM TO CROSS SECTION DIMENSIONS OF A UNIFORM HEIGHT OF 8 INCHES MINIMUM AND APPROXIMATE WIDTH OF 3½ FEET.
3. PROVIDE OUTLET PROTECTION AS REQUIRED ON PLAN.
4. COMPACT ASPHALT BERM.
5. REPAIR DAMAGED ASPHALT. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE.
6. UPON REMOVAL OF ASPHALT BERM, RETURN TO ORIGINAL CONDITIONS OR AS SPECIFIED ON APPROVED PLAN.

TEMPORARY ASPHALT BERM

NOT TO SCALE

4 | 11 | 18

GEOTEXTILE SPECIFICATIONS

		WOVEN SILT FILM		WOVEN MONOFILAMENT		NONWOVEN GEOTEXTILE	
		MINIMUM AVERAGE ROLL VALUE*					
PROPERTY	TEST METHOD	MD	CD	MD	CD	MD	CD
GRAB TENSILE STRENGTH	ASTM D–4632	200 lb	200 lb	370 lb	250 lb	200 lb	200 lb
GRAB TENSILE ELONGATION	ASTM D–4632	15%	10%	15%	15%	50%	50%
TRAPEZODIAL TEAR STRENGTH	ASTM D–4533	75 lb	75 lb	100 lb	60 lb	80 lb	80 lb
PUNCTURE STRENGTH	ASTM D–6241	450 lb		900 lb		450 lb	
APPARENT OPENING SIZE**	ASTM D–4751	U.S. SIEVE 30 (0.59 mm)		U.S. SIEVE 70 (0.21 mm)		U.S. SIEVE 70 (0.21 mm)	
PERMITTIVITY	ASTM D–4491	0.05 sec^{-1}		0.28 sec^{-1}		1.1 sec^{-1}	
ULTRAVIOLET RESISTANCE RETAINED AT 500 HOURS	ASTM D–4355	70% strength		70% strength		70% strength	

* ALL NUMERIC VALUES EXCEPT APPARENT OPENING SIZE (AOS) REPRESENT MINIMUM AVERAGE ROLL VALUES (MARV). MARV IS CALCULATED AS THE TYPICAL MINUS TWO STANDARD DEVIATIONS. MD IS MACHINE DIRECTION; CD IS CROSS DIRECTION.
** VALUES FOR AOS REPRESENT THE AVERAGE MAXIMUM OPENING.

GEOTEXTILES MUST BE EVALUATED BY THE NATIONAL TRANSPORTATION PRODUCT EVALUATION PROGRAM (NTPEP) AND CONFORM TO THE VALUES IN THIS TABLE.

THE GEOTEXTILE MUST BE INERT TO COMMONLY ENCOUNTERED CHEMICALS AND HYDROCARBONS AND MUST BE ROT AND MILDEW RESISTANT. THE GEOTEXTILE MUST BE MANUFACTURED FROM FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS AND COMPOSED OF A MINIMUM OF 95 PERCENT BY WEIGHT OF POLYOLEFINS OR POLYESTERS, AND FORMED INTO A STABLE NETWORK SO THE FILAMENTS OR YARNS RETAIN THEIR DIMENSIONAL STABILITY RELATIVE TO EACH OTHER, INCLUDING SELVAGES.

WHEN MORE THAN ONE SECTION OF GEOTEXTILE IS NECESSARY OVERLAP THE SECTIONS BY AT LEAST ONE FOOT. THE GEOTEXTILE MUST BE PULLED TAUT OVER THE APPLIED SURFACE. EQUIPMENT MUST NOT RUN OVER EXPOSED FABRIC. WHEN PLACING RIPRAP ON GEOTEXTILE, DO NOT EXCEED A ONE FOOT DROP HEIGHT.

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT

APPROVED FOR SEDIMENT CONTROL

DATE

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STATE OF MARYLAND — SCOTT A. NESBIT — No. 29015 — PROFESSIONAL ENGINEER

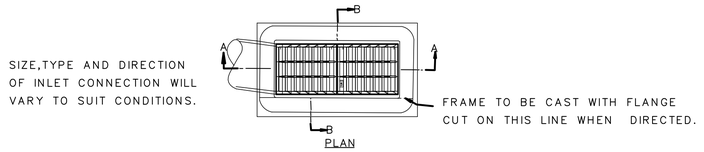
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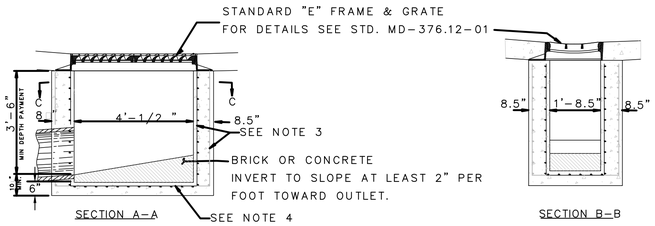
LOCKHEED MARTIN
MIDDLE RIVER COMPLEX
SOIL REMEDIAL ACTION
EROSION AND SEDIMENT CONTROL DETAILS
(SHEET 2 OF 3)

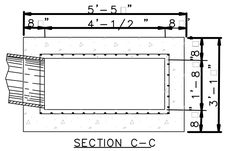
DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	TWS
DRAWN BY:	SPC
CHECKED BY:	SAN
SHEET:	18 OF 20

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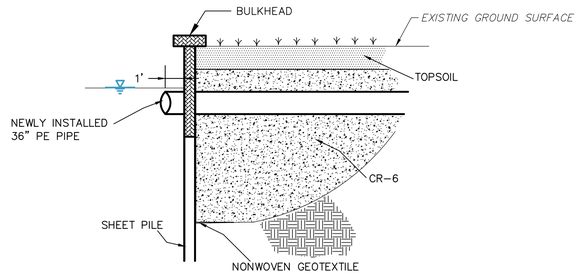


CONSTRUCTION SPECIFICATIONS

1. BRICK FOR MASONRY TO COMPLY WITH THE LATEST SHA. SPECIFICATIONS.
2. INLET SHALL BE CONSTRUCTED OF REINFORCED CONCRETE MIX NO. 2 (3,000 PSI)
3. WHEN DEPTH IS LESS THAN 7'-0", WALL REINFORCEMENT SHALL BE ONE LAYER OF NO. 4 DEFORMED BARS @ 6" C/C, TWO WAYS, AND HAVE 3" COVER ON INSIDE. WHEN DEPTH IS GREATER THAN 7'-0" AND LESS THAN 15'-0", WALL REINFORCEMENT TO BE TWO LAYERS OF NO. 4 DEFORMED BARS @ 6" C/C, TWO WAYS, ON INSIDE AND OUTSIDE OF WALL WITH 2" COVER.
4. BASE REINFORCEMENT SHALL BE ONE LAYER OF NO. 4 DEFORMED BARS @ 6" C/C, TWO WAYS, WITH 2" COVER FROM TOP OF BASE.
5. FROM THE CURB LINE, INLET HAS BEEN DESIGNED FOR HS-25 LOADING, ACCORDING TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND FOR A MAXIMUM DEPTH OF 15'-0".

STANDARD TYPE E INLET DETAIL

NOT TO SCALE — 1 | 12 | 19

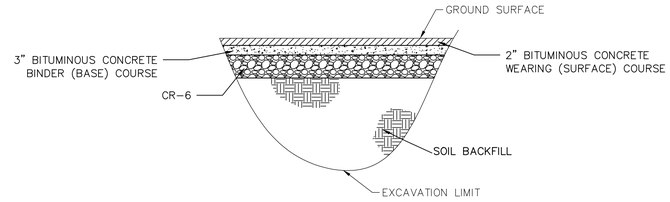


CONSTRUCTION SPECIFICATIONS

1. CR-6 WILL HAVE COMPRESSIVE STRENGTH OF 50 TO 100 PSI.
2. CR-6 WILL BE PLACED IN MAX 12-INCH LIFTS. THE NEXT LIFT WILL NOT BE PLACED UNTIL THE UNDERLYING LIFT IS STRONG ENOUGH TO HAVE A ONE FOOT VERTICAL FACE UNDER LOAD OF THE NEXT LIFT (I.E. APPROXIMATELY 2 PSI OR 288 PSF OF COMPRESSIVE STRENGTH).
3. BOTTOM OF THE EXCAVATION LIMIT NEAR THE SHEET PILE WILL BE 3 FEET HORIZONTAL OR SLOPING AWAY FROM THE SHEET PILE.
4. 36" PE PIPE WILL BE PLACED IN EXISTING HOLE IN THE BULKHEAD.

STORM DRAIN PIPE REPAIR DETAIL

NOT TO SCALE — 2 | 15 | 19

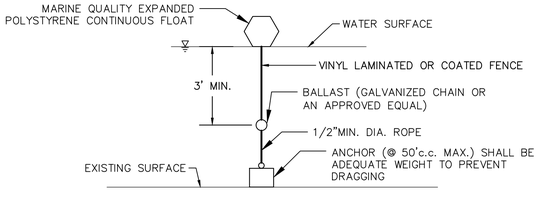


CONSTRUCTION SPECIFICATIONS

1. CR-6 WILL HAVE COMPRESSIVE STRENGTH OF 50 TO 100 PSI.

ASPHALT RESURFACING DETAIL

NOT TO SCALE — 3 | 11 | 19



CONSTRUCTION SPECIFICATIONS

1. BARRIERS SHOULD BE A BRIGHT COLOR (YELLOW OR "INTERNATIONAL" ORANGE ARE RECOMMENDED) THAT WILL ATTRACT THE ATTENTION OF NEARBY BOATERS
2. CONSTRUCTION FABRIC – THICKNESS, 45 MILS. WEIGHT 18 OZ. SQ YD. GRAB TENSILE STRENGTH, 300 LBS. UV INHIBITOR MUST BE INCLUDED.
3. SEAMS IN THE FABRIC SHALL BE EITHER VULCANIZED, WELDED, OR SEWN, AND SHALL DEVELOP THE FULL STRENGTH OF THE FABRIC.
4. FLOTATION DEVICES SHALL BE FLEXIBLE, BUOYANT UNITS, CONTAINED IN AN INDIVIDUAL FLOTATION SLEEVE OR COLLAR ATTACHED TO THE CURTAIN. BUOYANCY PROVIDED BY THE FLOTATION UNITS SHALL BE SUFFICIENT TO SUPPORT THE WEIGHT OF THE CURTAIN AND MAINTAIN A FREEBOARD OF AT LEAST 3 INCHES ABOVE THE WATER SURFACE.

TURBIDITY CURTAIN DETAIL

NOT TO SCALE — 4 | 12 | 19

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT

APPROVED FOR SEDIMENT CONTROL

DATE

TETRA TECH
www.tetratech.com
20251 CENTURY BLVD
GERMANTOWN, MD 20874
T: (301) 528-5552 | F: (301) 528-3000

STATE OF MARYLAND — SCOTT A. NESIT — No. 29015 — PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX

SOIL REMEDIAL ACTION
EROSION AND SEDIMENT CONTROL DETAILS
(SHEET 3 OF 3)

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	19 OF 20

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C-17

MARYLAND AVIATION ADMINISTRATION SEEDING SPECIFICATIONS

REFERENCES TO ITEM #S NOTED BELOW ARE FOUND IN MARYLAND AVIATION ADMINISTRATION'S MANUAL ENTITLED SPECIFICATIONS FOR PERFORMING LANDSCAPING ACTIVITIES FOR THE MARYLAND AVIATION ADMINISTRATION DATED JANUARY 2008.

ITEM 903 SEEDING

DESCRIPTION

903–1.1 GENERAL. This item provides specifications for seeding of areas as designated on plans or as directed by the MAA Engineer. The species, mixtures, and methods of application provided in this item have been designed to reduce the attractiveness of airport grounds to wildlife. Only MAA–approved species, mixtures, and rates of application provided in this item may be used to establish vegetation. All activities associated with seeding including soil preparation, seed application, fertilization, and maintenance shall also conform to these approved standards.

MATERIALS

903–2.1 SEED. All seed shall comply with the Maryland Seed Law (Agricultural Article of the Annotated Code of Maryland). Only MAA–approved species, mixtures, and rates of application provided in this item may be used to establish vegetation. Seed will be sampled and tested by an inspector from the Turf and Seed Section, Maryland Department of Agriculture (MDA), Annapolis, Maryland. All lawn and turf seed and mixtures shall be free from the following state–listed restricted noxious weeds:

corn cockle (agrostemma githago),
bentgrass (Agrostis spp.),*
redtop (Agrostis gigantea) *
wild onion (Allium canadense),
wild garlic (Allium vineale),
bindweed (Calstegia spp.),
dodder (Cuscuta spp.),
Bermuda grass (Cynodon dactylon),
orchardgrass (Dactylis glomerata),
tall fescue (Festuca arundinacea) *
meadow fescue (Festuca pratensis) *,
velvetgrass (Holcus lanatus),
annual bluegrass (Poa annua),
rough bluegrass (Poa trivialis),*
timothy (Phleum pratense), and
Johnson grass (Sorgum halepense).

* These species may be included as a labeled component of a mixture when each is present in excess of five percent of the mixture by weight.

Restricted noxious–weed seed may not exceed 0.5 percent by weight of any seed mixture. In addition, all seeds sold in Maryland shall be free from the following listed prohibited noxious weeds: balloonvine (Cardiospermum halicacabum), quackgrass (Elytrigia repens), sicklepod (Senna obtusifolia), sorghum (Sorghum spp.), Canada thistle (Cirsium arvense), plumeless thistle (Carduus spp.–includes musk thistle and curled thistle), and serrated tussock (Nassella trichotoma).

903.2.1.1 APPROVED SPECIES. The following table contains species that are approved by MAA for use in seed mixtures. Purity requirements and germination requirements are also provided.

APPROVED PLANT SPECIES
MMA SEED MIXTURES

	PURITY* NOT LESS THAN %	MINIMUM % GERMINATION**	PURE LIVE SEED FACTOR
CERTIFIED TURF–TYPE TALL FESCUE (Festua arundinacea)	98	90	1.1300
CERTIFIED KENTUCKY BLUE GRASS (poa pratensis)	90	80	1.3900
FOWL BLUEGRASS (Poa Palustris)	90	80	1.3900
HARD FESCUE (Festuca longifolia)	98	90	1.1300
CHEWING RED FESCUE (Festuca rubra commutata)	98	90	1.1300
ANNUAL RYEGRASS (Lolium multiflorum)	95	85	1.2400
PERENNIAL RYEGRASS (Lolium perenne)	90	80	1.3900
CREEPING BENTGRASS (Agrostis Stolonifera)	90	80	1.3900
SWITCHGRASS (Panicum Virgatum)	90	80	1.3900
LITTLE BLUESTEM (Andropogon scoparius)	62	94	1.7100

*THE PERCENTAGE WEIGHT OF PURE SEED PRESENT SHALL BE FREE OF ANY AGRICULTURE SEEDS, INERT MATTER, AND OTHER SEEDS DISTINGUISHABLE BY THEIR PERCENTAGE.

**THE PERCENTAGE OF GERMINATION SHALL BE ACTUAL SPROUTS AND SHALL NOT INCLUDE HARD SEEDS UNLESS SPECIFICALLY PERMITTED BY THE MAA ENGINEER.

903–2.1.2 PURITY. All seed shall be free of all state–designated noxious weeks listed in Paragraph 2.1.1 and conform to MAA specifications. To ensure compliance, MAA requires sampling and testing of seed by the Turf and Seed Section, Maryland Department of Agriculture (MDA). The Contractor shall furnish the MAA Engineer with duplicate signed copies of a statement by the Turf and Seed Section certifying that each lot of seed has been laboratory tested within six months of date of delivery. This statement shall include the following information:

- name and address of laboratory,
- date of test,
- lot number,
- the results of tests as to name, percentages of purity and of germination,
- percentage of weed content for the seed furnished,
- and, in the case of a mixture, the proportions of each kind of seed.

Seed shall be furnished in standard containers with the seed name, lot number, net weight, percentages of purity, germination rate and hard seed, and percentage of maximum weed seed content clearly marked. All seed containers shall be tagged with a MDA supervised mix program seed tag.

903–2.1.3 MIXTURES AND APPLICATION RATES. Only seed mixtures and application rates described in this item may be used unless otherwise approved by the MAA Engineer. seed mixtures shall meet criteria detailed in Paragraph 903–2.1.2. Seed mixtures have been formulated to minimize the attractiveness of areas to wildlife of common landscape scenarios. The appropriate seed mixture for application will be designated based on environmental conditions and may vary from site to site. All planting rates listed are in pounds of Pure Live Seed (PLS) per acre.

Seed mixtures, application scenarios, and rates for permanent cool–season grasses are as follows:

a. Seed Mixture No. 1 – relatively flat areas (grade less than 4:1) subject to normal conditions and regular mowing (Application rate = 234 lbs PLS/acre)
b. Seed Mixture No. 2 – sloped areas (grade greater than 4:1) not subject to regular mowing (Application Rate = 115 lbs PLS/acre); and
c. Seed Mixture No. 3 – wetlands and their associated buffer zones (Application rate = 131 lbs PLS/acre).

Seed Mixture No. 1: Relatively flat areas regularly mowed and exposed to normal conditions (Application rate = 234 lbs PLS/acre)

Seed		Rate of Application (lbs of PLS/acre)
85%	Certified Turf–Type Tall Fescue	192
10%	Certified Kentucky Bluegrass	28
5%	Perennial Ryegrass	14
Supplemental Seed		
	Annual Ryegrass	25

Seed Mixture No. 2: Sloped areas not subject to regular mowing (Application rate = 115 lbs PLS/acre)

Seed		Rate of Application (lbs of PLS/acre)
75%	Hard Fescue	85
20%	Chewing Fescue	23
5%	Kentucky Bluegrass	7
Supplemental Seed		
	Redtop	3

Seed Mixture No. 3: Wetland areas and their associated buffer zones (Application rate = 131 lbs PLS/acre)

Seed		Rate of Application (lbs of PLS/acre)
60%	Creeping Bentgrass	83
30%	Fowl Bluegrass	34
10%	Switchgrass	14
Supplemental Seed		
	Redtop	3

903.2.1.4 SEEDING SEASON. Application of seed and seed mixtures shall occur within a specified seeding season unless otherwise approved by the MAA Engineer. No seed or seed mixtures are to be applied on frozen ground or when the temperature is at or below 35 degrees Farenheit (7.2 degrees Centigrade). Under these conditions, a layer of mulch should be applied in accordance with Item 905, Mulching, to stabilize the site, and permanent seeding should occur in the subsequent seeding season. Seed application may occur during the seeding season dates listed below. Seeding performed after October 20 should be a temporary cover of annual ryegrass and followed by overseeding of the appropriate seed mixture during the spring seeding season.

SEEDING SEASONS

PERMANENT COOL–SEASON GRASSES	MARCH 1 TO APRIL 20 AND AUGUST 1 TO OCTOBER 20, INCLUSIVE
TEMPORARY COVER OF ANNUAL RYE/REDTOP	MARCH 1 TO APRIL 30 AND AUGUST 1 TO NOVEMBER 30, INCLUSIVE
TEMPORARY COVER OF WARM–SEASON GRASSES (LITTLE BLUESTEM ONLY)	MAY 1 TO JULY 31, INCLUSIVE. RATE OF APPLICATION SHOULD BE 13.6 LBS. PLS PER ACRE

903–2.2 LIME. Lime shall consist of ground limestone and contain at least 85 percent total carbonates. Lime shall be ground to a fineness so that at least 90 percent will pass through a No. 20 mesh sieve and 50 percent will pass through a No. 100 mesh sieve. Dolomitic lime or a high magnesium lime shall contain at least 10 percent magnesium oxide. Lime shall be applied by approved methods detailed in Section 903–3.3 of this item. The rate of application will be based on results of soil tests.

903–2.3 FERTILIZER. Fertilizer shall be standard commercial fertilizer (supplied separately or in mixtures) and meet the requirements of applicable state and federal laws (O–F–241) as well as standards of the Association of Official Agricultural Chemists. Nitrogen–Phosphorus–Potassium (N–P–K) concentrations shall be determined from analysis of soil samples. Methods of fertilizer application shall conform to standards described in Section 903–3.3 of this item. Fertilizer shall be furnished in standard containers that are clearly labeled with name, weight, and guaranteed analysis of the contents (percentage of total nitrogen, available phosphoric acid, and water–soluble potash). Mixed fertilizers shall not contain any hydrated lime or cyanamide compounds. Fertilizers failing to meet the specified analysis may be approved by the MAA Engineer, providing sufficient materials are applied to conform with the specified nutrients per unit of measure without additional cost to MAA.

The fertilizers may be supplied in the following forms:
a. A dry, free–flowing fertilizer suitable for application by a common fertilizer spreader;
b. A finely ground fertilizer soluble in water, suitable for application by power sprayers; or
c. A granular or pellet form suitable for application by blower equipment.

The rate of application will be based on results of soil tests performed by the University of Maryland Soil Testing Laboratory. By law, persons applying fertilizer to State–owned land shall follow the recommendations of the University of Maryland as set forth in the "Plant Nutrient Recommendations Based on Soil Tests for Turf Maintenance" and the "Plant Nutrient Recommendations Based on Soil Tests for Sod Production". Application of the fertilizer shall be in a manner that is consistent with the recommendations of the University of Maryland Cooperative Extension.

CONSTRUCTION METHODS AND EQUIPMENT

903–3.1 GENERAL. This section provides approved methods for the application of and includes standards for seedbed preparation, methods of application, and equipment to be used during the process. Lime and fertilizer shall be applied to seeded areas before the seed is spread. The mixture of seed will be determined for sites based on environmental conditions as described in Paragraph 903–2.1.3.

903–3.2 ADVANCE PREPARATION. Areas designated for seeding shall be properly prepared in advance of seed application. The area shall be tilled and graded prior to application of lime and fertilizer, and the surface area shall be cleared of any stones larger than 1 inch in diameter, sticks, stumps, and other debris that might interfere with sowing of seed, growth of grasses, or subsequent maintenance of grass–covered areas. Damage caused by erosion or other forces that occur after the completion of grading shall be repaired prior to the application of fertilizer and lime. The Contractor will repair such damage, which may include filling gullies, smoothing irregularities, and repairing other incidental damage before beginning the application of fertilizer and ground limestone.

If an area to be seeded is sparsely sodded, weedy, barren and unworked, or packed and hard, all grass and weeds shall first be cut or otherwise satisfactorily disposed of, and the soil then scarified or otherwise loosened to a depth not less than 5 inches (125 mm). Clods shall be broken and the top 3 inches (75 mm) of soil shall be worked into a satisfactory condition by discing or by use of cultipackers, rollers, drags, harrows, or other appropriate means.

An area to be seeded shall be considered a satisfactory seedbed (without requiring additional treatment) if it has recently been thoroughly loosened and worked to a depth of not less than 5 inches; the top 3 inches of soil is loose, friable, and is reasonably free from large clods, rocks, large roots, or other undesirable matter; appropriate amounts of fertilizer and lime have been added; and, if it has been shaped to the required grade immediately prior to seeding. For slope areas steeper than 3:1 (three horizontal to one vertical), the subsoil shall be loose to a depth of 1 inch.

After completion of tilling and grading, lime and fertilizer shall be applied within 48 hours according to the specified rate (Paragraphs 903–2.2 and 2.3) and methods (Paragraphs 903–3.3.1 and 903–3.3.2) approved by MAA. The seeding mixture shall be applied within 48 hours after application of lime and fertilizer. To firm the seeded areas, cultipacking shall occur immediately after seeding.

903–3.3 METHODS OF APPLICATION. Lime, fertilizer, and seed mixes shall be applied by either the dry or wet application methods that have been approved by MAA and are detailed below.

903–3.3.1 DRY APPLICATION METHOD

a. Liming. If soil test results indicate that lime is needed, the following procedures will be used: following advance preparation of the seedbed, lime shall be applied prior to the application of any fertilizer or seed and only on seedbeds that have been prepared as described in paragraph 903–3.2. The lime shall be uniformly spread and worked into the top 2 inches of soil, after which the seedbed shall be properly graded again.
b. Fertilizing. Following advance preparations (and liming if necessary), fertilizershall be spread uniformly at the specified rate to provide no less than the minimum quantity stated in Paragraph 903–2.3.
c. Seeding. Seed mixtures shall be sown immediately after fertilization of the seedbed. The fertilizer and seed shall be lightly raked to a depth of 1 inch for newly graded and disturbed areas.
d. Rolling. After the seed has been properly covered, the seedbed shall be immediately compacted using a cultipacker or an approved lawnroller.

903–3.3.2 WET APPLICATION METHOD/HYDROSEEDING

A. GENERAL.The contractor may elect to apply seed and fertilizer as per paragraphs c and d of this section in the form of an aqueous mixture by spraying over the previously prepared seedbed using methods and equipment approved by MAA. The rates of application shall be as specified in paragraphs 903–2.1 through 903–2.3.

B. SPRAYING EQUIPMENT. The spraying equipment shall have a container or water tank equipped with a liquid level gauge capable of reading increments of 50 gallons or less over the entire range of the tank capacity. The liquid level gauge shall be mounted so as to be visible to the nozzle operator at all times. The container or tank shall also be equipped with a mechanical power–driven agitator capable of keeping all the solids in the mixture in complete suspension at all times until used.

The spraying equipment shall also include a pressure pump capable of delivering 100 gallons per minute at a pressure of 100 pounds per square inch. The pressure pump assemblage shall be configured to allow the mixture to flow through the tank when not being sprayed from the nozzle. All pump passages and pipelines shall be capable of providing clearance for 5/8–inch solids. The power unit for the pump and agitator shall have controls mounted so as to be accessible to the nozzle operator. A pressure gauge shall be connected to and mounted immediately behind the nozzle.

The nozzle pipe shall be mounted on an elevated supporting stand in such a manner that it can be rotated through 360 degrees horizontally and inclined vertically from at least 20 degrees below to at least 60 degrees above the horizontal. There shall be a quick–acting, three–way control valve connecting the recirculating line to the nozzle pipe and mounted so that the nozzle operator can control and regulate the amount of flow of mixture to be supplied so that mixtures may be properly sprayed over a distance varying from 20 feet to 100 feet. One shall be a close–range ribbon nozzle, one a medium–range ribbon nozzle, and one a long–range jet nozzle. for ease of removal and cleaning, All nozzles shall be connected to the nozzle pipe by means of quick–release couplings. In order to reach areas inaccessible to the regular equipment, an extension hose at least 50 feet in length shall be provided to which the nozzles may be connected.

C. MIXTURES. Lime shall be applied separately in the quantity specified, prior to the fertilizing and seeding operations. Lime should be added to and mixed with water at a concentration not to exceed 220 pounds of lime for every 100 gallons of water. After lime has been applied, the tank should be emptied and rinsed with fresh water. Seed and fertilizer shall be mixed together in the relative proportions specified, but the resulting concentration should not exceed 220 pounds of mixture per 100 gallons of water and should be applied within 30 minutes to prevent fertilizer burn of the seeds.

All water used shall be obtained from fresh water sources and shall be free from injurious chemicals and other toxic substances harmful to plant life. Brackish water shall not be used at any time. The contractor shall identify all sources of water to the MAA engineer at least two weeks prior to use. The engineer may take samples of the water at the source or from the tank at any time and have a laboratory test the samples for chemical and saline content. The contractor shall not use any water from any source that is disapproved by the engineer following such tests.

All mixtures shall be constantly agitated from the time they are mixed until they are finally applied to the seedbed. All such mixtures shall be used within 30 minutes from the time they were mixed or they shall be wasted and disposed of at a location acceptable to the engineer.

D. SPRAYING. Lime shall be sprayed upon previously prepared seedbeds on which the lime, if required, shall have been worked in already. The mixtures shall be applied using a high–pressure spray which shall always be directed upward into the air so that the mixtures will fall to the ground in a uniform spray. Nozzles or sprays shall never be directed toward the ground in such a manner that might produce erosion or runoff. Particular care shall be exercised to ensure that the application is made uniformly, at the prescribed rate, and to guard against misses and overlapped areas. Predetermined quantities of the mixture shall be used in accordance with specifications to cover specified sections of known areas. To checks the rate and uniformity of application, the applicator will observe the degree of wetting of the ground or distribute test sheets of paper or pans over the area at intervals and observe the quantity of material deposited thereon.

On surfaces that are to be mulched as indicated by the plans or designated by the MAA engineer, seed and fertilizer applied by the spray method need not be raked into the soil or rolled. however, on surfaces on which mulch is not to be used, the raking and rolling operations will be required after the soil has dried.

903–3.4 MAINTENANCE OF SEEDED AREAS. The contractor shall protect seeded areas against traffic or other use by warning signs or barricades, as approved by the engineer. Surfaces gullied or otherwise damaged following seeding shall be repaired by regrading and reseeding as directed. The contractor shall mow, water as directed, and otherwise maintain seeded areas in a satisfactory condition until final inspection and acceptance of the work.

When either the dry or wet application method outlined above is used for work performed out of season, the contractor will be required to establish a good stand of grass of uniform color and density to the satisfaction of the engineer. If at the time when the contract has been otherwise completed it is not possible to make an adequate determination of the color, density, and uniformity of such stand of grass, payment for the unaccepted portions of the areas seeded out of season will be withheld until such time as these requirements have been met.

ITEM 904 SODDING

DESCRIPTION

904–1 This item provides standards for furnishing, hauling, and placing approved live sod on prepared areas as indicated on site plans. Sod will only be applied to landscape areas and shall be mowed frequently. All sodding activities shall conform to these specifications at the locations shown on site plans or as directed by the MAA Engineer.

MATERIALS

904–2.1 SOD. Sod furnished by the Contractor shall have a good cover of living or growing grass. This includes grass that is seasonally dormant during the cold or dry seasons and capable of renewing growth after the dormant period. All sod shall be obtained from areas in which the soil is reasonably fertile and contains a high percentage of loamy topsoil. Sod shall be cut or stripped from living, thickly matted turf relatively free of weeds or other undesirable foreign plants, large stones, roots, or other materials that might be detrimental to the development of the sod or to future maintenance. Grass sod shall be Maryland–certified or approved and shall comply with the Maryland Sod Law of the Annotated Code of Maryland (Agricultural Article Sections

9–101 through 9–110). Each load of sod shall bear a Maryland State Approved or Certified label at the time of delivery on the job. Sod shall be either: (1) Bluegrass sod containing not less than 80 percent Kentucky bluegrass (Poa pratensis) and not more than 20 percent Red Fescue (Festuca rubra); or (2) certified turf type–tall fescue (Festuca arundinacea) sod containing not less than 80 percent certified turf type–tall fescue (Festuca arundinacea) grass and not more than 20 percent Kentucky Bluegrass (Poa pratensis) and Red Fescue (Festuca rubra). Any vegetation more than 6 inches in height shall be mowed to a height of 3 inches or less before sod is lifted. Sod, including the soil containing the roots and the emergent plant growth, shall be cut uniformly to a thickness not less than that specified in Section 904–3.4.

904–2.2 LIME. Lime shall conform to standards described in Section 903, 'Seeding.'

904–2.3 FERTILIZER. Fertilizers and application methods shall conform to the standards previously described in Section 903, 'Seeding.'

904–2.4 WATER. All water shall conform to the standards previously described in Paragraph 902–2.4, 'Water.'

904–2.5 SOILS FOR REPAIR. All soils for repairs shall conform to the standards previously described in Paragraph 901–2.3, 'Soils for Repair.'

CONSTRUCTION REQUIREMENTS

904–3.1 GENERAL. Areas to be sodded shall be clearly indicated by site plans. Areas requiring special ground surface preparation, such as tilling, and those areas in a satisfactory condition that are to remain undisturbed shall also be shown on the plans.

Suitable equipment necessary for proper preparation of the ground surface and for the handling and placing of all required materials shall be on hand, in good condition, and shall be approved by the MAA Engineer before sodding operations begin. The Contractor shall demonstrate to the MAA Engineer, before starting the various operations, that the application of required materials, such as fertilizer and limestone, will be made at the specified rates.

904–3.2 ADVANCE PREPARATION. If the area to be sodded is sparsely vegetated, weedy, barren and unworked, or packed and hard, all existing herbaceous vegetation shall be removed. The soil shall then be scarified or otherwise loosened to a depth of at least 5 inches (125 mm). Clods shall be pulverized, and the top 3 inches (75 mm) of soil shall be worked into a satisfactory bed by discing or use of cultipackers, rollers, drags, harrows, or other equipment approved by the MAA Engineer. The area shall then be properly graded as indicated by site plans.

After grading of areas is complete and prior to the application of fertilizer and limestone, areas to be sodded shall be raked or otherwise cleared of stones larger than 1 inch in diameter, sticks, stumps, and other debris which might interfere with sodding, growth of grasses, or subsequent maintenance of grass–covered areas. If any damage by erosion or other causes has occurred after grading of areas and before beginning the application of fertilizer and ground limestone, the Contractor shall repair such damage. This may include filling gullies, smoothing irregularities, and repairing other incidental damage.

An area to be sodded will be considered a satisfactory seedbed without requiring additional treatment if it recently has been thoroughly loosened and worked to a depth of not less than 5 inches as a result of grading operations and, if immediately prior to sodding, the top 3 inches of soil is loose, friable, reasonably free from large clods, rocks, large roots, or other undesirable matter, and is shaped to the required grade. For slope areas steeper than 3:1 (three horizontal to one vertical) the subsoil shall be loosened to a depth of 1 inch. Lime and fertilizer shall be applied within 48 hours after tilling as described in 903–3.3 and 3.4. The sod shall be applied immediately after the lime and fertilizer have been worked into the soil.

904–3.3 APPLICATION OF FERTILIZER AND LIME. Following ground surface preparation, fertilizer shall be uniformly spread as described in Section 903–3.3 at a rate that will provide at least the minimum quantity of fertilizer required. If the use of ground limestone is specified, it shall be spread as described in Section 903–3.3, 'Methods of Application'; at a rate that will provide at least the minimum quantity of lime required. These materials shall be incorporated into the soil to a depth of at least 2 inches by discing, raking, or other methods approved by the MAA Engineer. Any stones larger than 1 inch in diameter, large clods, roots, and other litter brought to the surface by this operation shall be removed.

904–3.4 OBTAINING AND DELIVERING SOD. The sod shall be well rooted, grown in the State of Maryland, and field grown for a minimum of 12 months. After inspection and approval of the sod by the MAA Engineer, the sod shall be cut with approved sod cutters to such a thickness that after placement on the prepared bed, but before compaction, it shall have a uniform attached soil thickness of at least 0.75 inch. Sod sections or strips shall be cut in uniform widths of at least 14 inches and in lengths of at least 18 inches, but not to lengths that might inhibit placement without breaking, tearing, or loss of soil. Where strips are required, the sod shall be rolled or folded undamaged, with the grass facing inward. The Contractor may be required to mow high grass before cutting sod.

Sod shall be transplanted within 24 hours from the time of harvest unless circumstances beyond the Contractor's control make storage necessary. In such cases, sod shall be stacked, kept moist, protected from exposure to the air and sun, and shall be kept from freezing. Sod shall only be harvested and mowed when soil moisture conditions are such that favorable results can be expected. Where soil is too dry, permission to cut sod may be granted only after it has been sufficiently watered to moisten the soil to the depth at which the sod will be cut.

904–3.5 PLACING SOD. Sodding shall only be performed during seasons when satisfactory results can be expected. Frozen sod shall not be used and sod shall not be placed upon frozen soil. Sod may be transplanted during periods of drought with the approval of the MAA Engineer, provided the sod bed is watered to moisten the soil to a depth of at least 4 inches immediately prior to laying the sod.

The sod shall be moist and shall be placed on a bed, prepared according to Paragraphs 904–3.2 'Advance Preparation', and 904–3.3, 'Application of Fertilizer and Lime'by hand. Pitchforks shall not be used to handle sod, and dumping from vehicles shall not be permitted. The sod shall be placed carefully by hand, edge to edge and with staggered joints, in rows at right angles to the slopes, starting at the base of the area to be sodded and working upward. The sod shall immediately be pressed firmly into contact with the sod bed by tamping or rolling with approved equipment to provide a true and even surface, and ensure knitting without displacement of the sod or deformation of the surfaces of sodded areas. Where the sod has been displaced during sodding operations, the workmen replacing it shall work from ladders or treaded planks to prevent further displacement. Where the grades are such that the flow of water will be from paved surfaces across sodded areas, the surface of the soil in the sod after compaction shall be set approximately 1.5 inches below the pavement edge. Where the flow will be over the sodded areas and onto the paved surfaces around manholes and inlets, the surface of the soil in the sod after compaction shall be placed flush with pavement edges.

On slopes steeper than 1:2.5 and in V–shaped or flat–bottom ditches or gutters, the sod shall be secured with wooden pegs at least 18 inches long and a cross–sectional area of at least 0.75–square inch, or by other methods of securing sod approved by the MAA Engineer. The pegs shall be driven flush with the surface of the sod. The pegs shall be of sufficient number and at adequate spacing to secure sod from displacement. The use of sod staples or other means of securing the sod from displacement may be approved by the MAA Engineer provided satisfactory results are expected.

904–3.6 WATERING. Adequate water and watering equipment shall be on hand before sodding begins, and sod shall be kept moist until it has become established and its continued growth assured. In all cases, watering shall be done in a manner that will avoid erosion from the application of excessive quantities and will avoid damage to the finished surface.

904–3.7 ESTABLISHING TURF.

904–3.7.1 GENERAL. The Contractor shall provide general care for the sodded areas as soon as the sod has been laid and shall continue to provide such care until final inspection and acceptance of the work.

904–3.7.2 PROTECTION. All sodded areas shall be protected against traffic or other use by warning signs and barricades approved by the MAA Engineer.

904–3.7.3 MOWING. The Contractor shall mow the sodded areas with approved mowing equipment, depending upon climatic and growth conditions and the needs for mowing of specific areas. in the event that weeds or other undesirable vegetation establishes to such an extent that, either cut or uncut, they threaten to smother the sodded species, the weeds shall be mowed and the clippings raked and removed from the area. Spot applications of an appropriate herbicide by a licensed applicator shall be approved by the MAA Engineer to remove invasive species. The appropriate herbicide shall be determined on a case–by–case basis, depending on the location and type of weed.

904–3.7.4 REPAIR. When the surface has become gullied or otherwise damaged during the period covered by this contract, the affected areas shall be repaired to re–establish the grade and the condition of the soil and shall then be re–sodded as specified in Paragraph 904–3.5, 'Placing Sod', at the Contractor's expense

ITEM 905 MULCHING

DESCRIPTION

905–1.1 GENERAL. This item provides the Contractor with MAA–approved specifications for mulch and the application of mulch including distribution of mulch and securing of mulched areas. Areas to be mulched will be clearly shown on site plans or otherwise designated by the MAA Engineer.

MATERIALS

905–2.1 TYPES OF MULCH. Acceptable mulch shall be composed of the materials listed below or composed of any locally available materials that are similar to those specified and approved by the MAA Engineer. Low–grade, shalely, soiled, partially rotted hay, straw, or other materials unfit for animal consumption will not be acceptable for use as mulch. Straw or other material that is fresh, excessively brittle, or is in such an advanced stage of decomposition as to smother or retard the planted grass, is not acceptable. Clean, weed–free straw may be used. Mulch materials containing matured seed with the potential to establish and be detrimental to the project or the surrounding area is not acceptable.

a. Shredded Hardwood Bark. Shredded hardwood bark shall consist of hardwood tree bark that has been milled and screened to ensure a maximum 4–inch (100–mm) particle size, provide a uniform texture, and be free from sawdust, toxic substances, and other foreign materials.

b. Wood Chips. Wood chips shall be produced by a chipping machine to a size specified by the MAA Engineer. Chips may not have been subjected to any conditions that would shorten their useful life or cause them to lose any of their value as mulch. Wood chips shall be free from bark, leaves, twigs, wood shavings, sawdust, toxic substances, and other foreign material.

c. Wood Cellulose Fiber. Wood cellulose fiber shall consist of a processed wood product with uniform fiber characteristics. The fiber shall be capable of remaining in a uniform suspension under agitation in water and blending with seed, fertilizer, and other additives to form a homogeneous slurry. The fiber shall perform satisfactorily in hydraulic seeding equipment without clogging or damaging the system. The slurry shall contain a green dye to provide easy visual inspection for uniformity of application.

Certification showing that the fiber material conforms to the following specifications shall be provided by the manufacturer:

Wood Cellulose Fiber Requirements

Particle Length, in. (mm)	Approximately 1/2 (13)
Particle Thickness, in. (mm)	Approximately 1/16 (1.5)
Net dry Weight Content	Minimum as stated on bag
TAPPI* T 509, pH	4.0 to 8.5
Ash Content, TAPPI* Standard T 413, % max	7.0
Water Holding Capacity, % min	90

*Technical Association of Pulp and Paper Industry

The material shall be delivered in packages of uniform net weight of 75 lbs (34 kg) or less and shall be clearly labeled with the name of the manufacturer, net weight, and a supplemental statement of the net weight content.

905–2.2 INSPECTION. Within five days after acceptance of the bid, the Contractor shall provide representative samples of mulch material to be used to the MAA Engineer and identify the source of the material and quantities of mulch materials available. The samples provided may be used as standards with the approval of the MAA Engineer and any materials brought on the site that do not meet these standards may be rejected.

CONSTRUCTION REQUIREMENTS

905–3.1 ADVANCE PREPARATION. Before spreading mulch, all large clods, stumps, stones, brush, roots, and other foreign material shall be removed from the area to be mulched. Mulch shall be applied immediately after seeding unless otherwise specified. The application and spreading of mulch may be by hand methods, blower, or other mechanical methods, provided a uniform covering is obtained.

905–3.2 APPLICATION OF MULCH. The Contractor shall evenly apply mulch materials to areas indicated by site plans or otherwise designated by the MAA Engineer. Cellulose–fiber or wood–pulp mulch shall be applied at the rate of 1,500 pounds (dry weight) per acre. Mulch may be blown on the slopes and use of cutters in the equipment for this purpose will be permitted to the extent that at least 95 percent of the mulch in place on the slope is 6 inches or more in length. When mulch applied by the blowing methods is cut, the loose depth in place shall be 1 to 2 inches. Cellulose fiber or wood–pulp mulch shall be applied as an aqueous mixture by spraying at the rate of 1,500 pounds (dry weight) per acre using spraying equipment approved by the MAA Engineer.

905–3.3 SECURING MULCH. Mulch shall be held in place by light discing, a thin coating of topsoil, pins, stakes, wire mesh, or other methods approved by the MAA Engineer. If the 'peg and string'method is used, the mulch shall be secured with stakes or wire pins driven into the ground on 5–foot centers or less. Binder twine shall be strung between adjacent stakes in straight lines and crossed diagonally over the mulch. The stakes shall be firmly driven nearly flush to the ground to draw the twine tightly onto the mulch.

905–3.4 MAINTENANCE OF MULCHED AREAS. The Contractor shall care for mulched areas until final acceptance of the project. Care required may consist of providing protection against traffic or other disturbances by placement of warning signs and/or barricades before or immediately after mulching has been completed.

The Contractor may be required to repair or replace any mulching that is defective or becomes damaged before the project is finished and deemed satisfactory by the MAA Engineer. When, in the judgment of the MAA Engineer, defects or damage result from poor workmanship or failure to meet the requirements of the specifications, the cost of the necessary repairs or replacement will be borne by the Contractor. However, once the Contractor has completed the mulching of an area in accordance with the provisions of the specifications and to the satisfaction of the Engineer, no additional work at his expense will be required. Any subsequent repairs and/or replacements deemed necessary by the Engineer may be made by the Contractor and will be paid for as additional or extra work.

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL

DATE

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GERMANTOWN, MD 20874
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STATE OF MARYLAND — SCOTT A. NEWLIN — No. 29015 — PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX
SOIL REMEDIAL ACTION
SEED SPECIFICATIONS

DATE:	03/25/2015
PROJECT NO.:	112IC05956
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	20 OF 20

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APPENDIX B—RTDS SPECIFICATION SHEETS



HEALTH AND SAFETY

Exposure Monitoring



Features and Benefits

- Easy to program, easy to operate
- New graphical user interface with color touch-screen
- Perform in-line gravimetric analysis for custom reference calibrations
- Automatic zeroing (with optional zero module) minimizes the effect of zero drift
- Measure aerosol concentrations corresponding to PM_1, $PM_{2.5}$, PM_{10}, or Respirable size fractions

DustTrak™ II Aerosol Monitor

Models 8530, 8531, and 8532

Desktop or Handheld Units for Any Environment, Any Application

The new DustTrak II Aerosol Monitors are battery-operated, data-logging, light-scattering laser photometers that give you real-time aerosol mass readings. They use a sheath air system that isolates the aerosol in the optics chamber to keep the optics clean for improved reliability and low maintenance. Suitable for clean office settings as well as harsh industrial workplaces, construction and environmental sites and other outdoor applications. DustTrak II monitors measure aerosol contaminants such as dust, smoke, fumes and mists.

Applications

- Industrial/occupational hygiene surveys
- Indoor air quality investigations
- Outdoor environmental monitoring
- Baseline trending and screening
- Point source monitoring
- Engineering control evaluations
- Engineering studies
- Remote monitoring
- Process monitoring
- Emissions monitoring
- Aerosol research studies

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Easy to Program and Operate

The new graphical user interface with color touch-screen puts everything at your fingertips. The easy-to-read display shows real-time mass concentration and graphical data as well as other statistical information along with instrument pump, laser and flow status, and much more. Perform quick walk-through surveys or program the instrument's advanced logging modes for long-term sampling investigations. Program start times, total sampling times, logging intervals, alarm setpoints and many other parameters. You can even set up the instrument for continuous unattended operation.

Desktop Models: Ideal for Long-Term Surveys and Remote Monitoring Applications

Manual and programmable data logging functions also make DustTrak II desktop monitors ideal for unattended applications. They come with USB (device and host), Ethernet, and analog and alarm outputs allowing remote access to data. User adjustable alarm setpoints for instantaneous or 15-minute short-term excursion limit (STEL) are available on desktop models. The alarm output with user-defined setpoint alerts you when upset or changing conditions occur.

All DustTrak II desktop monitors have three unique features:

- Gravimetric sampling capability using a 37-mm filter cassette which can be inserted in-line with the aerosol stream allowing you to perform an integral gravimetric analysis for custom reference calibrations.
- They can be zeroed automatically using the external zeroing module. This optional accessory is used when sampling over extended periods of time. By zeroing the monitor during sampling, the effect of zero drift is minimized.
- STEL alarm feature for tracking 15-minute average mass concentrations when alarm setpoint has been reached for applications like monitoring fugitive emissions at hazardous waste sites.

Handheld Models: Perfect for Walk-Through Surveys and Single-Point Data Collection Applications

DustTrak II handheld models are lightweight and portable. They're perfect for industrial hygiene surveys, point source location monitoring, indoor air quality investigations, engineering control evaluations/validation, and for baseline trending and screening. Like desktop models, they have manual and programmable data logging functions. In addition, they have single-point data logging capability. Single-point data collection is used for walk-through industrial hygiene surveys and indoor air quality investigations.

New Software Makes Monitoring Easier than Ever

TrakPro™ Data Analysis Software allows you to set up and program directly from a PC. A new feature is the ability for remote programming and data acquisition from your PC via wireless (922 MHz or 2.4 GHz) communications or over an Ethernet network. As always, you can print graphs, raw data tables, and statistical and comprehensive reports for recordkeeping purposes.



DustTrak II Aerosol Monitor Features

All Models

- Li-Ion rechargeable batteries
- Internal and external battery charging capabilities
- Outlet port for isokinetic sampling applications
- User serviceable sheath flow and pump filters
- Logged test pause and restart feature
- Logged test programming
  - Color touch screen—either manual mode or program mode
  - TrakPro™ Data Analysis Software via a PC
- User adjustable custom calibration settings
- Instantaneous alarm settings with visual and audible warnings
- Real-time graph display
- View statistical information during and after sampling
- On-screen instrument status indicators: FLOW, LASER and FILTER
- Filter service indicator for user preventative maintenance

All Desktop Models

- Hot swappable batteries
- Gravimetric reference sample capability
- Long life 10,000-hour internal pump
- TrakPro Data Analysis Software
- Auto zeroing module (optional accessory)
- STEL alarm setpoint



All Handheld Models

- Long life 2,500-hour internal pump
- Single-point data collection for walk through surveys
- TrakPro Data Analysis Software



Battery Performance

Models 8530/8531 (typical) 6600 mAH Li-Ion Battery Pack (P/N 801680)	1 Battery	2 Batteries
Battery Runtime (hours)	up to 6	up to 12
Charge Time * (hours) in DustTrak	4	8
Charge Time* (hours) in external battery charger (P/N 801685)	4	8

Model 8532 (typical) 3600 mAH Li-Ion Battery Pack (P/N 801681)	Battery
Battery Runtime (hours)	up to 6
Charge Time * (hours) in DustTrak	4
Charge Time* (hours) in external battery charger (P/N 801686)	4

*of a fully depleted battery





Specifications

Models 8530, 8531, and 8532
DustTrak™ II Aerosol Monitor

Sensor Type
90° light scattering

Particle Size Range
0.1 to 10 µm

Aerosol Concentration Range

8530 Desktop	0.001 to 150 mg/m^3
8531 Desktop High Conc.	0.001 to 400 mg/m^3
8532 Handheld	0.001 to 150 mg/m^3

Resolution
±0.1% of reading or 0.001 mg/m^3, whichever is greater

Zero Stability
±0.002 mg/m^3 per 24 hours at 10 sec time constant

Flow Rate
3.0 L/min set at factory, 1.40 to 3.0 L/min, user adjustable

Flow Accuracy
±5% of factory set point, internal flow controlled

Temperature Coefficient
+0.001 mg/m^3 per °C

Operational Temp
32 to 120°F (0 to 50°C)

Storage Temp
-4 to 140°F (-20 to 60°C)

Operational Humidity
0 to 95% RH, non-condensing

Time Constant
User adjustable, 1 to 60 seconds

Data Logging
5 MB of on-board memory (>60,000 data points)
45 days at 1 minute logging interval

Log Interval
User adjustable, 1 second to 1 hour

Physical Size (HWD)

Handheld	4.9 x 4.8 x 12.5 in. (12.5 x 12.1 x 31.6 cm)
Desktop	5.3 x 8.5 x 8.8 in. (13.5 x 21.6 x 22.4 cm)

Weight

Handheld	2.9 lb (1.3 kg), 3.3 lb (1.5 kg) with battery
Desktop	3.5 lb (1.6 kg), 4.5 lb (2.0 kg)–1 battery, 5.5 lb (2.5 kg)–2 batteries

Communications

8530/31	USB (host and device) and Ethernet. Stored data accessible using flash memory drive
8532	USB (Hose and device). Stored data accessible using flash memory drive

Power–AC
Switching AC power adapter with universal line cord included, 115–240 VAC

Analog Out

8530/31	User selectable output, 0 to 5 V or 2 to 20 mA User selectable scaling range

Alarm Out

8530/31	Relay or audible buzzer Relay Non-latching MOSFET switch User selectable set point –5% deadband Connector 4-pin, Mini-DIN connectors
8532	Audible buzzer

Screen

8530/31	5.7 in. VGA color touchscreen
8532	3.5 in. VGA color touchscreen

Gravimetric Sampling

8530/31	Removable 37 mm cartridge (user supplied)

CE Rating

Immunity	EN61236-1:2006
Emissions	EN61236-1:2006

Specifications are subject to change without notice. TSI, the TSI logo, DustTrak, and TrakPro are trademarks of TSI Incorporated. Microsoft and Windows are trademarks of Microsoft Corporation.

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SidePak™ AM510 Personal Aerosol Monitor



The SidePak AM510 Personal Aerosol Monitor for industrial hygiene and safety professionals displays and data logs aerosol concentration in real time. The rugged, belt-mountable laser photometer is compact and quiet, minimizing interference and worker discomfort. The built-in sampling pump lets you attach a wide variety of size-selective aerosol inlet conditioners for breathing zone or area measurements with a respirable cyclone or one of the three integrated impactors.

The SidePak monitor incorporates TSI's Smart Battery Management System. This system utilizes a built-in "gas gauge" in the battery packs to monitor battery condition and provide precise run time information.

The SidePak monitor's easy-to-read display shows your data as both real-time aerosol mass-concentration and 8-hour time-weighted average (TWA). The monitor's intrinsic safety rating makes it ideal for hazardous/explosive environments. With its convenient data logging and long battery life, the SidePak is also ideal for extended sampling. The easy-to-use TrakPro™ Data Analysis Software lets you create effective graphs and reports.

User Friendly

- Small, lightweight and quiet to maximize worker acceptance
- Rugged design with secure belt clip
- Easy-to-understand user interface with only four keys
- Lockable keypad prevents tampering while sampling
- User-adjustable sample flow rate
- Define, label and store multiple calibration constants
- Easy-to-read LCD display
- Convenient, threaded tripod socket accommodates area sampling

Advanced Features

- Smart Battery Management System provides precise run time information, maximizes battery capacity and speeds charging
- Integrated pump allows use of size-selective aerosol inlet conditioners
- Built-in impactors let you choose "none," 1.0, 2.5 or 10-micron cut off
- Display shows real-time concentrations (mg/m^3) and "on-the-fly" TWA as you data log
- Display statistics: max, min and average readings, elapsed time and 8-hour TWA

Quick and Easy Reports

- Convenient preprogramming for occupational exposure sampling
- Data log for long periods and store multiple tests
- Analyze data, print graphs and create reports with TrakPro software
- USB port lets you conveniently connect to your computer

Power to Spare

- Long-lasting NiMH rechargeable battery packs eliminate "memory" issues
- Choice of rechargeable NiMH smart battery packs or AA-cell pack

TSI.

Specifications

SidePak AM510 Personal Aerosol Monitor

Sensitivity

Sensor type	90° light scattering, 670 nm laser diode
Aerosol concentration range	0.001 to 20 mg/m³ (calibrated to respirable fraction of ISO 12103-1, A1 test dust)
Particle size range	0.1 to 10 micrometer (µm)
Minimum resolution	0.001 mg/m³
Zero stability	±0.001 mg/m³ over 24 hours using 10-second time-constant
Temperature coefficient	Approximately +0.0005 mg/m³ per °C (for variations from temperature at which instrument was last zeroed)

Flow Rate

Range	User-adjustable, 0.7 to 1.8 liters/min (lpm)

Temperature Range

Operating range	0 to 50°C (32 to 120°F)
Storage range	-20 to 60°C (-4 to 140°F)

Time Constant (LCD display)

Range	User-adjustable, 1 to 60 seconds

Data Logging

Data points	Approx. 31,000 (21 days logging once per minute)
Logging interval	User-adjustable, 1 second to 1 hour

User-Select Calibration Factors

Factory setting	1.0 (non-adjustable)
User-defined settings	3, with user-defined labels
Range	0.1 to 10.0, user-adjustable

Physical

External Dimensions	106 mm × 92 mm × 70 mm (4.2 in. × 3.7 in. × 2.8 in.) with 801724 battery 130 mm × 92 mm × 70 mm (5.1 in. × 3.7 in. × 2.8 in.) with 801722 or 801708 battery
Weight	0.46 kg (16 oz) with 801724 battery 0.54 kg (19 oz) with 801722 battery 0.54 kg (19 oz) with 801708 battery
Display	2 line × 12 character LCD
Tripod socket	1/4–20 female thread

Power Supply/Charger (P/N 2613210)

Input voltage range	100 to 240 VAC, 50 to 60 Hz
Output voltage	9 VDC @ 1.0 A
Battery charge time	6.5 hours

Specifications are subject to change without notice.
Windows is a registered trademark of Microsoft Corporation.

Maintenance

Factory clean/calibrate	Recommended annually
User zero calibration	Before each use
User flow calibration	As needed

Battery Information

Battery Option	Charge Time*	Intrinsically Safe
1650 mAH NiMH Pack (P/N 801724)	3.5 Hours	Yes**
2700 mAH NiMH Pack (P/N 801722)	5.5 Hours	Yes**
6-Cell AA-size Pack (P/N 801708)	NA	No

* Of a fully depleted battery
** All dust plugs and gaskets must be installed.

Typical Battery Life

Battery Pack	Cell Type	Hours @ 0.7 lpm	Hours @ 1.7 lpm
1650 mAH NiMH Pack (P/N 801724)	NiMH (4.8 V, 1650 mAH)	11.5	9.2
2700 mAH NiMH Pack (P/N 801722)	NiMH (4.8 V, 2700 mAH)	19.8	15.6
6-Cell AA-size Pack	AA Alkaline Cells	29.6	22.5
(P/N 801708, with six user-supplied AA cells)	AA NiMH Cells (1600 mAH per cell. Cells cannot be charged while inside AA Pack)	8.8	6.7

Communications Interface

Type	USB 1.1
Connector, instrument	USB Mini-B (socket)

Minimum Computer Requirements for TrakPro Software

Communications port	Universal Serial Bus (USB) v1.1 or higher
Operating system	Microsoft Windows® 98, Me, 2000, XP (USB not supported in Windows 95 or NT)

Approvals

Intrinsic Safety Rating Information	TSI Battery Pack P/Ns: 801722 or 801724 INTRINSICALLY SAFE CSA Exia Class I Groups A, B, C, D T2A with 801724 T2C with 801722 File: 200507 TSI Battery Pack P/N: 801708 NOT INTRINSICALLY SAFE
CE Immunity	EN61326-1:1997 + A11998 Clause 6
CE Emissions	EN61326:1997 + Amendment A1:1998

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APPENDIX C—NIOSH ANALYTICAL AIR SAMPLING METHODOLOGY

POLYNUCLEAR AROMATIC HYDROCARBONS by HPLC 5506

Formulae: Table 1 MW: Table 1 CAS: Table 2 RTECS: Table 2

METHOD: 5506, Issue 3 **EVALUATION:** PARTIAL **Issue 1:** 15 May 1985
Issue 3: 15 January 1998

OSHA: Table 3
NIOSH: Table 3
ACGIH: Table 3

PROPERTIES: Table 1

Compounds

acenaphthene	benzo[ghi]perylene	fluorene
acenaphthylene	benzo[a]pyrene	indeno[1,2,3-cd]pyrene
anthracene	benzo[e]pyrene	naphthalene
benz[a]anthracene	chrysene	phenanthrene
benzo[b]fluoranthene	dibenz[a,h]anthracene	pyrene
benzo[k]fluoranthene	fluoranthene	

NAMES & SYNONYMS: Polycyclic aromatic hydrocarbons, PAHs; also see Table 2.

SAMPLING

SAMPLER: FILTER + SORBENT TUBE (37-mm, 2-µm, PTFE + washed XAD-2, 100 mg/50 mg)

FLOW RATE: 2 L/min

VOL-MIN: 200 L
-MAX: 1000 L

SHIPMENT: transfer filters to culture tubes; wrap sorbent and culture tubes in Al foil; ship @ 0 °C

SAMPLE STABILITY: unknown; protect from heat and UV light

FIELD BLANKS: 3 to 10 field blanks per set
MEDIA BLANKS: 6 to 10 media blanks per set

ACCURACY

RANGE STUDIED: not determined

BIAS: not determined

OVERALL PRECISION ($\hat{S}_{rt}$): not determined

ACCURACY: not determined

MEASUREMENT

TECHNIQUE: HPLC, FLUORESCENCE/UV DETECTION

ANALYTE: compounds listed above

EXTRACTION: 5 mL acetonitrile; ultrasonic bath, 30 to 60 minutes

INJECTION VOLUME: 10 to 50 µL

MOBILE PHASE: acetonitrile/water gradient @ ambient temperature, 1 mL/min

COLUMN: 250 x 4.6-mm, reversed-phase, 5-µm C_{18}

DETECTOR: UV @ 254 nm; fluorescence @ 340 nm (excitation), 425 nm (emission)

CALIBRATION: standards in acetonitrile

RANGE: see EVALUATION OF METHOD

ESTIMATED LOD: see EVALUATION OF METHOD

PRECISION ($\hat{S}_r$): see EVALUATION OF METHOD

APPLICABILITY: This method is applicable to samples that can be extracted with acetonitrile. This method is not applicable to samples that require a different extraction solvent or contain large amounts of highly adsorptive particulate matter, e.g., fly ash or diesel soot; also, this method is not applicable to asphalt fume samples.

INTERFERENCES: Any compound that elutes at the same HPLC retention time may interfere. Heat, ozone, NO_2, or UV light may cause sample degradation.

OTHER METHODS: This revises P&CAM 206 and 251 [1]. Method 5515 uses the same sampling technique, with gas chromatographic measurement [2]. Method 5800 uses the same sampling technique, and a flow-injection method to determine total polycyclic aromatic compounds at two different sets of fluorescent wavelengths [3].

REAGENTS:

1. Water, distilled, deionized, degassed.
2. Acetonitrile, HPLC grade, degassed.
3. PAH test mixture,* a liquid standard containing the PAHs except benzo[e]pyrene (EPA 610 Polynuclear Aromatic Hydrocarbons,Supelco, Cat. No. 4-8743; or equivalent).
4. Benzo[e]pyrene,* solid (Supelco, Cat. No. 44-2475; or equivalent).

* See SPECIAL PRECAUTIONS

EQUIPMENT:

1. Sampler:
   a. Filter. 37-mm, 2-µm pore size, PTFE membrane filter laminated to PTFE, (Zefluor, Pall Gelman Sciences, Cat. No. P5PJ037;SKC Inc., Cat. No. 225-17-07; or equivalent filter), cellulose spacer ring, 37-mm OD, 32-mm ID, (SKC Inc., Cat. No. 225-23; or equivalent) in a 37-mm cassette filter holder.
      NOTE: If sampling is to be done in bright sunlight, use opaque or foil-wrapped cassettes to prevent sample degradation.
   b. Sorbent tube, washed XAD-2 resin (front = 100 mg; back = 50 mg) (ORBO 43, Supelco, Cat. No. 2-0258; or equivalent), connected to filter with minimum length of PVC tubing. Plastic caps are required after sampling.
      NOTE: If pressure drop is excessive or pump fails, use a larger diameter sorbent tube with XAD-2 resin (ORBO 42 Large, Supelco, Cat. No. 2-0264U; or equivalent).
2. Personal sampling pump capable of operating for 8 h at 2 L/min, with flexible connecting tubing.
3. Aluminum foil.
4. Refrigerant, bagged.
5. Culture tubes, PTFE-lined screw cap, 13-mm x 100-mm.
6. Forceps.
7. Syringe filters, 0.45-µm, 25-mm, PTFE (Acrodisc-CR, Pall Gelman Sciences, Cat. No. 4219; or equivalent).
8. Pipet, 5-mL.
9. Syringe or micropipets, 1- to 100-µL.
10. Ultrasonic bath.
11. HPLC, with gradient capability, fluorescence (excitation @ 340 nm, emission @ 425 nm) and UV (254 nm) detectors in series, electronic integrator, and a 250 x 4.6-mm C_{18} column (Vydac 201TP, The Separations Group, Hesperia, CA, Cat. No. 201TP54; or equivalent).
12. Volumetric flasks, 10- and 100-mL.
13. Recommendation: lighting in laboratory should be incandescent or UV-shielded fluorescent.

SPECIAL PRECAUTIONS: Treat all polynuclear aromatic hydrocarbons as carcinogens. Samples and unused standards are considered toxic waste. Dispose of in an appropriate manner. Counter tops and equipment should be checked regularly with a "black light" for fluorescence as an indicator of contamination by PAHs.

SAMPLING:

1. Calibrate each personal sampling pump with a representative sampler in line.
2. Take personal samples at 2 L/min for a total sample size of 200 to 1000 L.
3. Immediately after sampling, transfer the filter carefully with forceps to a culture tube. Hold filter at edge to avoid disturbing the collected sample. Cap the tube and wrap in aluminum foil.
   NOTE: This step is necessary to avoid loss of analytes by sublimation.
4. Cap the sorbent tube and wrap in aluminum foil.
5. Ship to laboratory in insulated container with bagged refrigerant.

SAMPLE PREPARATION:

NOTE: UV light may degrade PAHs; therefore, recommend using yellow, UV-absorbing shields for fluorescent lights or use incandescent lighting.

6. Refrigerate samples upon receipt at laboratory.
7. Extract PAH from filters.
   a. Add 5.0 mL of acetonitrile to each culture tube containing a filter. Similarly, add 5.0 mL of acetonitrile to each culture tube containing the media and reagent blanks. Cap the tubes.
   b. Place capped tubes in an ultrasonic bath for 30 to 60 min.
8. Desorb PAH from sorbent.
   a. Score each sorbent tube with a file in front of the front (larger) sorbent section. Break tube at score line.
   b. Transfer front glass wool plug and front sorbent section to a culture tube. Transfer back sorbent section, and the middle glass wool plug to a second culture tube.
   c. Add 5.0 mL acetonitrile to each culture tube. Cap the tubes.
   d. Place capped tubes in an ultrasonic bath for 30 to 60 min.
9. Filter all sample extracts through an 0.45-µm syringe filter.

CALIBRATION AND QUALITY CONTROL:

10. Calibrate daily with at least six working standards.
    NOTE: If a benzo[e]pyrene standard is needed, weigh desired amount and add to a known volume of the PAH test mixture.
    a. Dilute aliquots of the PAH test mixture (containing benzo[e]pyrene if needed) with acetonitrile in 10-mL volumetric flasks. The concentration range should cover most of the PAH concentrations in the samples.
    b. During analysis, intersperse working standards with samples and blanks.
    c. Prepare calibration graphs (peak area vs. µg of each PAH per sample).
11. Recovery and desorption efficiency.
    a. Determine recovery (R) from filters and desorption efficiency (DE) from sorbent tubes at least once for each lot of filters and sorbent tubes used in the range of interest.
       (1) Filters. Using a microliter syringe or a micropipette, spike four filters at each of five concentration levels with a mixture of the analytes. Allow the filters to dry in the dark overnight. Analyze the filters (steps 7, 9, and 13 through 15). Prepare graphs of R vs. amounts found.
       (2) Sorbent tubes. Transfer an unused front sorbent section to a culture tube. Prepare a total of 24 culture tubes in order to measure DE at five concentration levels plus blank in quadruplicate. Using a microliter syringe or micropipette, add calibration stock solution directly to sorbent. Cap culture tubes and allow to stand overnight. Desorb and analyze (steps 8, 9, and 13 through 15). Prepare graphs of DE vs. amounts found.
    b. Check R and DE at two levels for each sample set, in duplicate. Repeat determination of R or DE graphs if checks do not agree to within ±5% of R or DE graph.
12. Analyze at least three field blanks for each sample medium.

MEASUREMENT:

13. Set HPLC according to manufacturer's instructions, conditions on page 5506-1, and steps 14 and 15.
14. Inject sample aliquot (10 to 50 µL). Start mobile phase gradient:
    a. Linear gradient from 60% acetonitrile/40% deionized water to 100% acetonitrile at 1 mL/min over 20 min.
    b. Hold at 100% acetonitrile for 20 min.
    c. Linear gradient to initial condition, 5 min.
15. Measure peak areas for each analyte using the appropriate detector as specified in Table 1.
    NOTE 1: The order of elution for the PAHs appears in Table 4.
    NOTE 2: If peak area is above the calibration range, dilute with acetonitrile, reanalyze, and apply dilution factor in calculations.
    NOTE 3: If sample has many interferences, additional sample cleanup may be necessary.

CALCULATIONS:

16. Read the mass, µg (corrected for R or DE) of each analyte found on the filter (W) and front sorbent (W_f) and back sorbent (W_b) sections, and on the average media blank filter (B) and front sorbent (B_f) and back sorbent (B_b) sections from the calibration graphs.
17. Calculate concentration, C (mg/m^3), as the sum of the particulate concentration and the vapor concentration in the actual air volume sampled, V (L).

$$C = \frac{\left\{ W + W_f + W_b - B - B_f - B_b \right\}}{V}, \ mg/m^3$$

NOTE 1: µg/mL = mg/m^3

NOTE 2: W_f and W_b include analyte originally collected on the filter as particulate, then volatilized during sampling. This can be a significant fraction for many PAHs (e.g., anthracene, fluoranthene, fluorene, naphthalene, phenanthrene).

EVALUATION OF METHOD:

The UV detector is used to analyze for some PAHs (see Table 1), and the remaining PAHs are analyzed by a fluorescent detector, which gave better sensitivity for some PAHs. The ranges of the limit of detection (LOD) and the limit of quantitation (LOQ) values for the 17 PAHs are reported in Table 4 [4]. The LOD and LOQ values varied because of differences in the detectors used and the concentrations of the standards. Therefore, it is important that the LOD and LOQ values be determined for each set of samples. The LOQs are the lower end of the analytical ranges. The upper end of the analytical ranges were not determined.

This method was evaluated by means of a user check [5]. An independent laboratory prepared spiked filters and sorbent tubes for a recovery and desorption efficiency study (see Table 4). For the filters, except naphthalene, the recovery results were greater than or equal to 75%. Since naphthalene is fairly volatile under ambient conditions, this may account for the poor recovery results. For the sorbent tubes, only four of the 17 analytes had desorption efficiencies that were greater than or equal to 75%. During the user check, the sorbent tubes were extracted by adding 5 mL acetonitrile and were allowed to stand for 30 minutes with occasional swirling. In more recent quality control experiments, the desorption efficiencies were often better for some analytes (see Table 4) [4]. These results were achieved using an ultrasonic bath for 30 to 60 minutes. The results indicated the importance of preparing media spikes for recovery and desorption efficiency studies for each set of samples; moreover, the results reenforce this need when using new lots of media.

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METHOD REVISED BY:

L. D. Olsen, B. R. Belinky, C. E. Neumeister, L. B. Jaycox, and D. D. Dollberg, NIOSH/DPSE.

TABLE 1. FORMULAS AND PHYSICAL PROPERTIES.

COMPOUND (by M.W.)	FORMULA	WEIGHT	DETECTOR	MELTING POINT (°C)	BOILING POINT (°C)	REFERENCE
1. NAPHTHALENE	$C_{10}H_8$	128.17	UV	80.2	218	[6]
2. ACENAPHTHYLENE	$C_{12}H_8$	152.20	UV	92.5	280	[6]
3. ACENAPHTHENE	$C_{12}H_{10}$	154.21	UV	93.4	279	[6]
4. FLUORENE	$C_{13}H_{10}$	166.22	UV	115	295	[6]
5. ANTHRACENE	$C_{14}H_{10}$	178.23	UV	215	340	[6]
6. PHENANTHRENE	$C_{14}H_{10}$	178.23	UV	99.2	340	[6
7. FLUORANTHENE	$C_{16}H_{10}$	202.26	FL	108	384	[6]
8. PYRENE	$C_{16}H_{10}$	202.26	FL	151	404	[6]
9. BENZ[a]ANTHRACENE	$C_{18}H_{12}$	228.29	FL	167	435	[7]
10. CHRYSENE	$C_{18}H_{12}$	228.29	UV	258	448	[6]
11. BENZO[b]FLUORANTHENE	$C_{20}H_{12}$	252.32	FL	168	–	[7]
12. BENZO[k]FLUORANTHENE	$C_{20}H_{12}$	252.32	FL	217	480	[6]
13. BENZO[a]PYRENE	$C_{20}H_{12}$	252.32	FL	177	495	[6, 8]
14. BENZO[e]PYRENE	$C_{20}H_{12}$	252.32	FL	178	311	[6]
15. BENZO[ghi]PERYLENE	$C_{22}H_{12}$	276.34	FL	278	–	[7]
16. INDENO[1,2,3-cd]PYRENE	$C_{22}H_{12}$	276.34	FL	164	–	[7]
17. DIBENZ[a,h]ANTHRACENE	$C_{22}H_{14}$	278.35	FL	270	524	[7, 8]

TABLE 2. SYNONYMS, CAS AND RTECS NUMBERS.

COMPOUND (alphabetically)	SYNONYMS, CAS and RTECS Numbers*
1. ACENAPHTHENE	CAS # 83-32-9; RTECS # AB1000000
2. ACENAPHTHYLENE	acenaphthalene; CAS # 208-96-8; RTECS # AB1254000
3. ANTHRACENE	CAS # 120-12-7; RTECS # CA9350000
4. BENZ[a]ANTHRACENE	1,2-benzanthracene; benzo[b]phenanthrene; 2,3-benzophenanthrene; tetraphene; CAS # 56-55-3; RTECS # CV9275000
5. BENZO[b]FLUORANTHENE	3,4-benzofluoranthene; 2,3-benzofluoranthene; benz[e]acephenanthrylene; B(b)F; CAS # 205-99-2; RTECS # CU1400000
6. BENZO[k]FLUORANTHENE	11,12-benzofluoranthene; CAS # 207-08-9; RTECS # DF6350000
7. BENZO[ghi]PERYLENE	1,12-benzoperylene; CAS # 191-24-2; RTECS # DI6200500
8. BENZO[a]PYRENE	3,4-benzopyrene; 6,7-benzopyrene; B(a)P; BP; CAS # 50-32-8; RTECS # DJ3675000
9. BENZO[e]PYRENE	1,2-benzopyrene; 4,5-benzopyrene; B(e)P; CAS # 192-97-2; RTECS # DJ4200000
10. CHRYSENE	1,2-benzophenanthrene; benzo[a]phenanthrene; CAS # 218-01-9; RTECS # GC0700000
11. DIBENZ[a,h]ANTHRACENE	1,2,5,6-dibenzanthracene; CAS # 53-70-3; RTECS # HN2625000
12. FLUORANTHENE	benzo[j]fluorene; CAS # 206-44-0; RTECS # LL4025000
13. FLUORENE	CAS # 86-73-7; RTECS # LL5670000
14. INDENO[1,2,3-cd]PYRENE	2,3-phenylenepyrene; CAS # 193-39-5; RTECS # NK9300000
15. NAPHTHALENE	naphthene; CAS # 91-20-3; RTECS # QJ0525000
16. PHENANTHRENE	CAS # 85-01-8; RTECS # SF7175000
17. PYRENE	benzo[def]phenanthrene; CAS # 129-00-0; RTECS # UR2450000

* Data from [6, 8, and 9].

TABLE 3. EXPOSURE LIMITS*.

COMPOUND	OSHA†	NIOSH‡	ACGIH§
1. ANTHRACENE	0.2 mg/m³	–	
2. BENZ[a]ANTHRACENE	–	–	suspect human carcinogen
3. BENZO[b]FLUORANTHENE	–	–	suspect human carcinogen
4. BENZO[a]PYRENE	0.2 mg/m³	–	suspect human carcinogen
5. CHRYSENE	0.2 mg/m³	potential occupational carcinogen§	animal carcinogen
6. NAPHTHALENE	10 ppm; STEL 15 ppm	10 ppm; STEL 15 ppm	10 ppm; STEL 15 ppm
7. PHENANTHRENE	0.2 mg/m³	–	–
8. PYRENE	0.2 mg/m³	–	–

* This table only includes the compounds with established exposure limit values.
† Information from [10].
‡ Information from [11].
§ Information from [12].

TABLE 4. LOD AND LOQ VALUES, AND RECOVERY DATA.

COMPOUND (by elution order)	Range of values*		Recoveries (%)†	
	LOD (µg per sample)	LOQ (µg per sample)	Filters	Sorbent tubes
1. NAPHTHALENE	0.20 - 0.80	0.39 - 2.6	49.6	68.5
2. ACENAPHTHYLENE	0.090 - 2.0	0.28 - 6.6	98.2	98.2
3. ACENAPHTHENE	0.20 - 5.0	0.58 - 16.	--	--
4. FLUORENE	0.030 - 0.30	0.099 - 0.26	95.0	95.0
5. PHENANTHRENE	0.0070 - 0.060	0.023 - 0.19	99.0, 90.4*	84.0, 92.5*, 82.6*
6. ANTHRACENE	0.0010 - 0.090	0.023 - 0.30	81.8, 94.4*	72.8, 96.2*, 72.9*
7. FLUORANTHENE	0.0020 - 0.090	0.0066 - 0.30	94.9, 90.4*	73.0, 93.5*, 81.7*
8. PYRENE	0.0010 - 0.30	0.0036 - 0.99	94.4, 76.1*	84.9, 77.0*, 75.9*
9. BENZ[a]ANTHRACENE	0.0010 - 0.090	0.0042 - 0.30	86.6, 92.7*	62.4, 95.0*, 72.3*
10. CHRYSENE	0.0070 - 0.20	0.023 - 0.37	94.6, 89.9*	62.7, 89.8*, 74.0*
11. BENZO[e]PYRENE	0.0060 - 0.80	0.020 - 2.6	110	48.3
12. BENZO[b]FLUORANTHENE	0.0030 - 0.20	0.011 - 0.66	94.8	64.2
13. BENZO[k]FLUORANTHENE	0.0020 - 0.040	0.0054 - 0.13	103	53.2
14. BENZO[a]PYRENE	0.0020 - 0.10	0.0051 - 0.33	101, 88.1*	50.4, 91.6*, 68.4*
15. DIBENZ[a,h]ANTHRACENE	0.0040 - 0.60	0.014 - 2.0	76.5	61.0
16. BENZO[ghi]PERYLENE	0.0030 - 0.50	0.011 - 1.7	76.5	61.0
17. INDENO[1,2,3-cd]PYRENE	0.0090 - 0.20	0.027 - 0.66	91.6	36.5

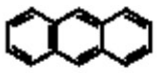
* Data from [4].
† Data from [5]



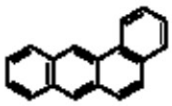
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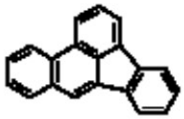
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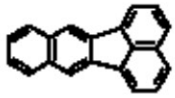
ANTHRACENE



BENZ[a]ANTHRACENE



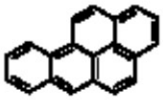
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BENZO[k]FLUORANTHENE



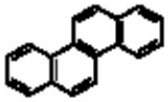
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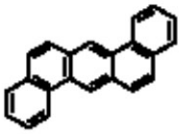
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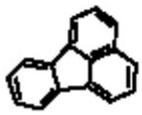
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CHRYSENE



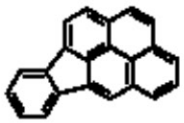
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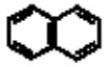
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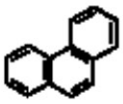
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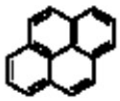
INDENO[1,2,3-c d]PYRENE



NAPHTHALENE



PHENANTHRENE



PYRENE

Figure 1. Structure of the PAHs.

SILICA, CRYSTALLINE, by XRD (filter redeposition) 7500

SiO_2 MW: 60.08 CAS: 14808-60-7 (quartz) RTECS: VV7330000 (quartz)
14464-46-1 (cristobalite) VV7325000 (cristobalite)
15468-32-3 (tridymite) VV7335000 (tridymite)

METHOD: 7500, Issue 4 **EVALUATION: FULL** **Issue 1: 15 August 1990**
Issue 4: 15 March 2003

OSHA : quartz (respirable) 10 mg/m³/(%SiO_2+2); cristobalite and tridymite (respirable) ½ the above
NIOSH: 0.05 mg/m³; carcinogen
ACGIH: quartz (respirable) 0.1 mg/m³
cristobalite (respirable) 0.05 mg/m³
tridymite (respirable) 0.05 mg/m³

PROPERTIES: solid; d 2.65 g/cm³ @ 0 °C; crystalline transformations: quartz to tridymite @ 867 °C; tridymite to cristobalite @ 1470 °C; α-quartz to ß-quartz @ 573 °C

SYNONYMS: free crystalline silica; silicon dioxide

SAMPLING

SAMPLER:	CYCLONE + FILTER (10-mm nylon cyclone, Higgins-Dewell (HD) cyclone, or aluminum cyclone + 5-µm PVC membrane) *see sampling section
FLOW RATE:	Nylon cyclone: 1.7 L/min; HD cyclone: 2.2 L/min; aluminum cyclone: 2.5 L/min
VOL-MIN:	400 L
-MAX:	1000 L
SHIPMENT:	Routine
SAMPLE STABILITY:	Stable
BLANKS:	2 to 10 per set (see step 13.g.)
BULK SAMPLE:	High-volume or settled dust; to identify interferences

ACCURACY

RANGE STUDIED:	25 to 2500 µg/m³ [1] (800-L sample)
BIAS:	None known
OVERALL PRECISION ($\hat{S}_{rT}$):	0.09 (50 to 200 µg) [1]
ACCURACY:	± 18%

MEASUREMENT

TECHNIQUE:	X-RAY POWDER DIFFRACTION
ANALYTE:	Crystalline SiO_2
ASH:	Muffle furnace or RF plasma asher or dissolve in tetrahydrofuran
REDEPOSIT:	On 0.45-µm Ag membrane filter
XRD:	Cu target X-ray tube, graphite monochromator Optimize for intensity; 1° slit Slow step scan, 0.02°/10 sec Integrated intensity with background subtraction
CALIBRATION:	NIST SRM 1878a quartz, NIST SRM 1879a cristobalite, USGS 210-75-0043 tridymite suspensions in 2-propanol.
RANGE:	0.02 to 2 mg SiO_2 per sample [2]
ESTIMATED LOD:	0.005 mg SiO_2 per sample [2]
PRECISION ($\hat{S}_r$):	0.08 @ 0.05 to 0.2 mg per sample [1]

APPLICABILITY: The working range is 0.025 to 2.5 mg/m³ for an 800-L air sample.

INTERFERENCES: Micas, potash, feldspars, zircon, graphite, and aluminosilicates. See APPENDIX.

OTHER METHODS: This is similar to the method in the Criteria Document [3] and P&CAM 259 [4] which has been collaboratively tested [1]. This method is similar, except for sample collection, to S315 [5,6]. Method P&CAM 109 [7,8,9], which incorporates an internal standard, has been dropped. XRD can distinguish the three silica polymorphs and silica interferences can be eliminated by phosphoric acid treatment. IR (methods 7602 and 7603) can also quantify quartz, cristobalite and tridymite if amorphorous silica and silicates are not present in large amounts. However sensitivity is reduced if multiple polymorphs are present and secondary peaks must be used. Crystalline silica can also be determined by visible absorption spectrophotometry (e.g., Method 7601), but polymorphs can not be distinguished. Visible absorption methods also have larger laboratory-to-laboratory variability than XRD and IR methods and therefore are recommended for research use only [10].

REAGENTS:

1. Silica Standards.
   a. Quartz* (SRMs 1878a, 2950, 2951, 2958) and Cristobalite* (SRMs 1879a, 2960, 2957), available from Standard Reference Materials Program, Rm. 204, Bldg. 202, National Institute of Standards and Technology (NIST), Gaithersburg, MD 20899; www.nist.gov.
   b. Tridymite* (210-75-0043) available from U.S. Geological Survey, Box 25046, MS 973, Denver, CO 80225.
2. 2-Propanol*, reagent grade.
3. Desiccant.
4. Glue or tape for securing Ag filters to XRD holders.
5. Optional: tetrahydrofuran (THF)* (if LTA or muffle furnace are unavailable).
6. 1.5 % parlodion solution. (Dissolve 1.5 g of parlodion* in isopentyl acetate* and dilute to 100 mL with isopentyl acetate.)
7. Optional (if calcite present): 25% v/v concentrated hydrochloric acid* (ACS reagent grade) in distilled water and 25-mm filters of PVC or cellulose ester with pore size of 1 µm or less.

* See SPECIAL PRECAUTIONS.

EQUIPMENT:

1. Sampler:
   a. Filter: Polyvinyl chloride (PVC) filter, 37-mm, 5.0-µm pore size supported with backup pad in a two-piece, 37-mm cassette filter holder (preferably, conductive) held together by tape or cellulose shrink band.
      NOTE: Check each new lot of PVC filters by analyzing one or more by this method. For example, Gelman VM-1 filters (all lots) were found to be unacceptable because of high ash and background. If THF is used, check for complete dissolution by dissolving a blank PVC filter and following steps 5c through 8.
   b. Cyclone: 10-mm nylon, Higgins-Dewell (HD), Aluminum (Al), or equivalent [11].
2. Area air sampler: PVC membrane filter, 37-mm diameter, 5-µm pore size; three-piece filter cassette.
3. Sampling pumps with flexible connecting tubing, capable of the following flow rates: nylon cyclone, 1.7 L/min; HD cyclone, 2.2 L/min; Al cyclone, 2.5 L/min; and bulk sampler, 3 L/min.
4. Silver membrane filters, 25-mm diameter, 0.45-µm pore size, available from Sterlitech Corp., 22027 70th Ave S, Kent, WA 98032-1911; www.sterlitech.com.
5. X-ray powder diffractometer (XRD) equipped with copper target X-ray tube, graphite monochromator, and scintillation detector.
6. Reference specimen (mica, Arkansas stone, or other stable standard) for data normalization.
7. Low-temperature radio-frequency plasma asher (LTA) or muffle furnace, or ultrasonic bath (≥150 W), for filter preparation.
8. Vacuum filtration assembly and side-arm vacuum flask with a 25-mm filter holder.
9. Sieve, 10-µm, for wet sieving.
10. Analytical balance (0.001 mg); magnetic stirrer with thermally insulated top; ultrasonic bath or probe; volumetric pipettes and flasks; Pyrex crucibles with covers (muffle furnace); 40-mL wide-mouth or 50-mL centrifuge tubes (THF method); desiccator; reagent bottles with ground glass stoppers; drying oven; polyethylene wash bottle.
11. Explosion-resistant hot plate.
12. Teflon sheet, 0.3 to 1 mm thick.

SPECIAL PRECAUTIONS: Avoid inhaling silica dust [3]. THF is extremely flammable and should be used in a fume hood. 2-Propanol, parlodion and isopentyl acetate are flammable. Hydrochloric acid is corrosive and should be used in a fume hood.

SAMPLING:

1. Calibrate each personal sampling pump with a representative sampler in line.
2. Sample at 1.7 ± 5% L/min with nylon cyclone or 2.2 ± 5% L/min with HD cyclone for a total sample size of 400 to 1000 L. Do not exceed 2 mg dust loading on the filter.
   NOTE 1: Do not allow the sampler assembly to be inverted at any time when using a cyclone. Turning the cyclone to anything other than a horizontal orientation may deposit oversized material from the cyclone body onto the filter.
   NOTE 2: A single sampler/flow rate should be used for a given application. Sampling for both crystalline silica and coal mine dust should be done in accordance with the ISO/CEN/ACGIH/ASTM respirable aerosol sampling convention. Flow rates of 1.7 L/min for the Dorr-Oliver nylon cyclone and 2.2 L/min for the Higgins-Dewell cyclone have been found to be optimal for this purpose. Outside of coal mine dust sampling, the regulatory agencies currently use these flow rates with the Dorr-Oliver cyclone in the United States and the Higgins-Dewell sampler in the United Kingdom. Though the sampling recommendations presented in a NIOSH Criteria Document have been formally accepted by MSHA for coal mine dust sampling, the Dorr-Oliver cyclone at 2.0 L/min with 1.38 conversion factor is currently used in the United States for the purpose of matching an earlier sampling convention [12]. In any case, a single sampler/flow rate should be used in any given application so as to eliminate bias introduced by differences between sampler types and sampler conventions [11].
3. Take an area air sample or collect a settled dust sample, if dust in the work environment has not been previously characterized.

SAMPLE PREPARATION:

4. Samples may be characterized by one of the following methods, as appropriate.
   a. **Interference check.** Prepare area dust sample or settled dust bulk sample for XRD analysis by mounting the collection sample directly on an XRD sample holder, or by depositing or redepositing the dust on another filter for mounting, or by packing an XRD powder holder. Proceed to step 11.
   b. **Qualitative Analysis.** Prepare the area air sample or settled dust sample for qualitative analysis by grinding and/or wet sieving to best match the airborne dust particle size. Wet sieve with a 10-µm sieve, 2-propanol, and an ultrasonic bath [13], followed by evaporation of excess alcohol, drying in an oven for 2 hours, and overnight storage in a desiccator. Deposit the end product on a filter (steps 7-8) or pack in a conventional XRD powder holder.
      NOTE 1: For quantitative determination of % SiO_2, weigh out, in triplicate, 2 mg sieved dust, transfer to a 50-mL beaker, add 10 mL 2-propanol, and continue with step 6.
      NOTE 2: In a bulk sample, if there is an interfering compound(s) that renders the identification and quantitation of quartz very difficult, the sample will need to be carefully treated in hot phosphoric acid [14] to dissolve the interfering compound(s) and avoid the loss of quartz. This treatment can be used to dissolve several 50-mg sample aliquots in order to concentrate the quartz content for the purpose of lowering the LOD.
5. Use one of the following methods to prepare filter samples and blanks:
   a. **Low Temperature Ashing:** Place the filters in 50-mL beakers within the low temperature asher so that the sample exposure to the plasma is optimized. Ash according to manufacturer's instructions. After ashing, carefully add 15 mL 2-propanol to each beaker; or
   b. **Muffle Furnace Ashing:**
      i. If the samples contain a significant amount of calcite (>20% of total dust loading), silica may be lost due to formation of $CaSiO_3$. Remove the calcite by the following procedure: Place a 0.5-µm, 25-mm PVC filter in the filtration apparatus and clamp the filter funnel over it. Remove the sample filter from the cassette, fold, and drop it on the 25-mm filter. Add 10 mL 25% v/v HCl and

5 mL 2-propanol to the filter funnel and allow to stand for 5 min. Apply vacuum and slowly aspirate the acid and alcohol in the funnel, washing with three successive 10-mL portions of distilled water. Release the vacuum. Carry both filters through the ashing step together.

ii. Place the filter samples in porcelain crucibles, loosely cover and ash in muffle furnace for 2 h at 600 °C (800 °C if graphite is present). Add several mL 2-propanol to the ash, scrape the crucible with a glass rod to loosen all particles and transfer the residue to a 50-mL beaker. Wash the crucible several more times and add wash to beaker. Add 2-propanol to the beaker to bring the volume to about 15 mL; or

c. **Filter Dissolution:** Using forceps and a spatula, remove the filter from the cassette, fold the filter three times, and place in the bottom of a 40- or 50-mL centrifuge tube. Add 10 mL THF and allow to stand for at least 5 min. Cap the centrifuge tube with aluminum foil to prevent contamination. Gently agitate the centrifuge tube by hand or with a vortex mixer making sure the THF does not go near the top of the tube. Place the tube in an ultrasonic bath (water level 2.5 cm from top) for at least 10 min. (The filter should be totally dissolved.) Just prior to filtering, agitate the sample for 10 to 20 sec on a vortex mixer. Continue with step 6, substituting THF for 2-propanol and centrifuge tube for beaker.

6. Cover the beaker with a watchglass and agitate in an ultrasonic bath for at least 3 min. Observe the suspension to make sure that the agglomerated particles are broken up. Wash the underside of the watchglass with 2-propanol, collecting the washings in the beaker.

7. Place a silver filter in the filtration apparatus. Attach the funnel securely over the entire filter circumference. With no vacuum, pour 2 to 3 mL 2-propanol onto the filter. Pour the sample suspension from the beaker into the funnel. After the transfer, rinse the beaker several times and add rinsings to the funnel for a total volume of 20 mL. In order to minimize feathering of the sample outside the deposition area, allow the suspension to settle for a few minutes prior to applying vacuum. Do not rinse the chimney after the material has been deposited on the silver filter. Rinsing the chimney can disturb the thin layer deposition.

8. Leave the vacuum on after filtration to produce a dry filter. Place 2 drops of 1.5% parlodion solution on a glass slide. Remove the silver filter with forceps and fix the material to the filter by placing the bottom side of the filter in the parlodion solution. Place the saturated filter on top of the Teflon sheet which has been heated on the hot plate at a low temperature setting. When thoroughly dry, mount the silver filter in the XRD sample holder.

CALIBRATION AND QUALITY CONTROL:

9. Prepare and analyze at least 6 levels of standard filters.

NOTE 1: Calibration standards are limited to NIST and USGS certified standards of known purity, particle size, and sample-to-sample homogeneity. At least 12 materials, including 5-µm Min-U-Sil, previously used by laboratories throughout the United States and Canada, have been evaluated, and none have been found to be acceptable alternatives to the certified standards cited within this method [10]. Standard reference materials should be corrected for phase purity.

NOTE 2: Crystalline silica methods require calibration standards of known purity, specific particle size and distribution, and sample-to-sample homogeneity. Establishing traceability of secondary calibration standards to the specified NIST and USGS primary standards requires the use of measurement methods with better precision and accuracy than the XRD, IR and visible absorption spectrophotometry methods commonly used in the industrial hygiene field can provide. In addition, particle size distribution measurements have considerable error. Therefore, the use of secondary calibration standards that are traceable to NIST and USGS certified standards is not appropriate.

NOTE 3: NIST SRM 2950 calibration set (α-quartz) and NIST SRM 2960 calibration set (cristobalite) may be useful for preparing working standards at known concentrations.

a. Prepare two suspensions of each analyte in 2-propanol by weighing 10 and 50 mg of the standard material to the nearest 0.01 mg. Quantitatively transfer each to a 1-L glass-stoppered bottle using 1.00 L of 2-propanol.

b. Suspend the powder in 2-propanol with an ultrasonic probe or bath for 20 min. Immediately move the bottle to a magnetic stirrer with thermally insulated top and add a stirring bar. Allow the solution to return to room temperature before withdrawing aliquots.

c. Mount a silver filter on the filtration apparatus. Place several mL of 2-propanol on the filter. Turn off the stirrer and shake vigorously by hand. Immediately remove the stopper and withdraw an aliquot from the center at half-height of the 10 mg/L or 50 mg/L suspension. Do not adjust the volume in the pipet by expelling part of the suspension. If more than the desired aliquot is withdrawn, discard the aliquot in a beaker, rinse and dry the pipet, and take a new aliquot. Transfer the aliquot from the pipet to the silver filter, keeping the tip of the pipet near the surface but not submerged in the delivered suspension.

d. Rinse the pipet with several mL 2-propanol, draining the rinse into the funnel. Repeat the rinse several times.

e. Allow the suspension to settle for a few minutes prior to applying vacuum. Apply vacuum and rapidly filter the suspension. Do not wash down the sides of the funnel after the deposit is in place since this will rearrange the material on the silver filter. Leave vacuum on until filter is dry. Place 2 drops of 1.5% parlodion solution on a glass slide. Remove the silver filter with forceps and fix the material to the filter by placing the bottom side of the filter in the parlodion solution. Place the saturated filter on top of the heated Teflon sheet. When thoroughly dry, mount the silver filter in the XRD sample holder. Prepare working standard filters, in triplicate, at e.g., 10, 20, 50, 100, 250, and 500 µg.

f. Analyze the working standards together with samples and blanks (step 12). The XRD intensities for the working standards (step 12.d) are designated I_x^o and are then normalized (step 12.e) to obtain $\bar{I}_x^o$. Correct the intensities of working standards >200 µg for matrix absorption (steps 12.f and 13).

g. Prepare a calibration graph ($\bar{I}_x^o$, vs µg of each standard).

NOTE: Poor repeatability (>10% above 0.04 mg silica) at any given level indicates that new standards should be made. The data should lie along a straight line. A weighted least squares ($1/\sigma^2$ weighting) is preferable.

h. Determine the slope, m, of the calibration graph in counts/µg. The intercept, b, on the abscissa should be within ± 5 µg of zero.

NOTE: A large intercept indicates an error in determining the background, i.e., an incorrect baseline or interference by another phase.

10. NOTE: The following procedure for absorption correction is not necessary in situations that have been previously documented as requiring no corrections.

Select six silver membrane filters as media blanks randomly from the same box of filters to be used for depositing the samples. These will be used to test for sample self-absorption. Mount each of the media blanks on the filtration apparatus and apply vacuum to draw 5 to 10 mL 2-propanol through the filter. Remove, let dry, and mount on XRD holders. Determine the net normalized count for the silver peak, I_{Ag}, for each media blank (step 12.g). Obtain an average value for the six media blanks, $\bar{I}_{Ag}^o$.

NOTE: The analyst is a critical part of this analytical procedure [12]. A high level of analyst expertise is required to optimize instrument parameters and correct for matrix interferences either during the sample preparation phase or the data analysis and interpretation phase [15]. The analyst should have some training (university or short course) in mineralogy or crystallography in order to have a background in crystal structure, diffraction patterns and mineral transformation. In addition, an intensive short course in the fundamentals of X-ray diffraction can be useful.

MEASUREMENT:

11. Obtain a qualitative X-ray diffraction scan (e.g., 10 to 80 °2θ) of the area air sample (or bulk settled dust) to determine the presence of free silica polymorphs and interferences (see APPENDIX). The diffraction peaks are:

Mineral	Peak (2-Theta Degrees)		
	Primary	Secondary	Tertiary
Quartz	26.66	20.85	50.16
Cristobalite	21.93	36.11	31.46
Tridymite	21.62	20.50	23.28
Silver	38.12	44.28	77.47

NOTE: There is an alternative to scanning an area air sample, settled dust sample, or ground bulk sample to prove lack of contamination. A slow scan of the three main peaks of quartz (also cristobalite and tridymite if their absence has not been previously confirmed) on a personal air sample, with verification that their intensity ratios are within 15% of pure quartz, is sufficient evidence that other materials are not interfering in the silica determination.

12. Perform the following for each sample, working standard, and blank filter:
    a. Mount the reference specimen. Determine the net intensity, I_r, of the reference specimen before and after each filter is scanned. Use a diffraction peak of high intensity that can be rapidly but reproducibly (S_r <0.01) measured.
    b. Mount the sample, working standard, or blank filter. Measure the diffraction peak area for each silica polymorph. Scan times must be long, e.g., 15 min (longer scan times will lower the limit of detection).
    c. Measure the background on each side of the peak for one-half the time used for peak scanning. The sum of these two counts is the average background. Determine the position of the background for each sample.
    d. Calculate the net intensity, I_x, (the difference between the peak integrated count and the total background count).
    e. Calculate and record the normalized intensity, I_x, for each peak:

$$I_x = \frac{I_x}{I_r} \cdot N$$

NOTE: Select a convenient normalization scale factor, N, which is approximately equivalent to the net count for the reference specimen peak, and use this value of N for all analyses. Normalizing to the reference specimen intensity compensates for long-term drift in X-ray tube intensity. If intensity measurements are stable, the reference specimen may be run less frequently and the net intensities should be normalized to the most recently-measured reference intensity.

    f. Determine the normalized count, I_{Ag}, of an interference-free silver peak on the sample filter following the same procedure. Use a short scan time for the silver peak (e.g., 5% of scan time for analyte peaks) throughout the method.
    g. Field blanks may be analyzed by scanning the 2-theta range used for the analyte and silver peaks to verify that contamination of the filters has not occurred. The analyte peak should be absent. The normalized intensity of the silver peak should match that of the media blank. Each laboratory should determine the specifics of field blank use for its application. When contamination does occur, the reason should be investigated and appropriate action taken. In practice, contamination of field blanks is extremely rare and usually is not consistent across filters. The analysis of blanks may be abbreviated if experience indicates that contamination is not likely with current field and laboratory operations; however, occasional confirmation of non-contamination is prudent.

CALCULATIONS:

13. Calculate the concentration of crystalline silica, C (mg/m^3), in the air volume sampled, V (L):

$$C = \frac{I_x \cdot f(t) - b}{m \cdot V}, mg/m^3$$

I_x = normalized intensity for sample peak
b = intercept of calibration graph (I_x^o vs. µg)
m = slope of calibration graph, counts/µg
f(t) = $-R \ln T/(1 - T^R)$ = absorption correction factor (Table 1)

R = $\sin(\Theta_{Ag})/\sin(\Theta_x)$
T = $I_{Ag}/(\text{average } I^o_{Ag})$ = transmittance of sample
I_{Ag} = normalized silver peak intensity from sample
I^o_{Ag} = normalized silver peak intensity from media blanks (average of six values)

EVALUATION OF METHOD:

This method is based on P&CAM 259 which was collaboratively tested [1]. The testing included a ruggedization step to test the effects of the use of muffle furnace or plasma asher (but not the use of THF), shipment of samples, ashing time, and ultrasonication time. None of these factors was found to have an effect. The method was shown to have no bias when referenced to the Talvitie spectrophotometric method [14] and when all standards and samples were Min-U-Sil 5. The relative standard deviations (S_r) for intralaboratory, total measurement and overall (including sampling) variability are:

	Analyte Level (µg)	Measurement Precision (S_r)	Overall Precision (S_{rT})
Intralaboratory	50-200	0.08 [1]	
	20	0.20 [5]	
	10	0.28 [9]	
Total (intra- and interlaboratory)	50-200	0.17 [1]	0.29 [1]

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APPENDIX: INTERFERENCES

Interferences include barite, micas (muscovite, biotite), potash, feldspars (microcline, plagioclase), montmorillonite, sillimanite, zircon, graphite, iron carbide, clinoferrosilite, wollastonite, sanidine, leucite, orthoclase, and lead sulfide.

The patterns for three forms of aluminum phosphate [JCPDS 10-423, 11-500, 20-44] are practically identical to those of quartz, cristobalite and tridymite, respectively. The quartz secondary and cristobalite primary peaks are close; cristobalite secondary peak is overlapped by a quartz peak; tridymite, if present in sufficient quantity, will interfere with all of the main (primary, secondary and tertiary) quartz and cristobalite peaks. Silver chloride, if present on the silver filter, interferes slightly with the primary quartz peak. Many of these interferences occur in the presence of quartz; however, in a study of samples collected in 11 different industries, Altree-Williams [20] found no significant interferences.

The presence of elements such as iron can result in appreciable X-ray fluorescence which leads to high background intensity. A diffracted-beam monochromator will minimize this problem.

If calcite is present, loss of quartz will occur when samples are ashed in a muffle furnace. See SAMPLE PREPARATION (step 5.b) for procedure to remove calcite.

If interferences with the primary silica peak are present, use a less sensitive peak. When overlaps are not severe, a smaller receiving slit or chromium radiation may be used; however, a new calibration curve will be necessary.

Table 1. Absorption correction factor as a function of transmittance for some silica-silver peak combinations [16-21].

		f(T) (at indicated degrees 2-θ)							
Transmittance	Silica	26.66	26.66	20.83	20.83	21.93	21.93	21.62	21.62
T	Silver	38.12	44.28	38.12	44.28	38.12	44.28	38.12	44.28
1.00		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.99		1.0071	1.0082	1.0091	1.0105	1.0087	1.0100	1.0088	1.0101
0.98		1.0144	1.0166	1.0184	1.0212	1.0174	1.0201	1.0177	1.0204
0.97		1.0217	1.0251	1.0278	1.0321	1.0264	1.0305	1.0268	1.0309
0.96		1.0292	1.0337	1.0373	1.0432	1.0355	1.0410	1.0360	1.0416
0.95		1.0368	1.0425	1.0470	1.0544	1.0447	1.0517	1.0453	1.0524
0.94		1.0445	1.0514	1.0569	1.0659	1.0541	1.0625	1.0548	1.0635
0.93		1.0523	1.0605	1.0670	1.0776	1.0636	1.0736	1.0645	1.0747
0.92		1.0602	1.0697	1.0772	1.0894	1.0733	1.0849	1.0743	1.0861
0.91		1.0683	1.0791	1.0876	1.1015	1.0831	1.0963	1.0844	1.0977
0.90		1.0765	1.0886	1.0982	1.1138	1.0932	1.1080	1.0945	1.1096
0.89		1.0848	1.0983	1.1089	1.1264	1.1034	1.1199	1.1049	1.1216
0.88		1.0933	1.1081	1.1199	1.1392	1.1137	1.1320	1.1154	1.1339
0.87		1.1019	1.1181	1.1311	1.1522	1.1243	1.1443	1.1261	1.1464
0.86		1.1106	1.1283	1.1424	1.1654	1.1350	1.1568	1.1370	1.1592
0.85		1.1195	1.1387	1.1540	1.1790	1.1460	1.1696	1.1481	1.1722
0.84		1.1286	1.1493	1.1657	1.1927	1.1571	1.1827	1.1595	1.1854
0.83		1.1378	1.1600	1.1777	1.2068	1.1685	1.1959	1.1710	1.1989
0.82		1.1471	1.1709	1.1899	1.2211	1.1800	1.2095	1.1827	1.2126
0.81		1.1566	1.1821	1.2024	1.2357	1.1918	1.2232	1.1946	1.2266
0.80		1.1663	1.1934	1.2150	1.2506	1.2038	1.2373	1.2068	1.2409
0.79		1.1762	1.2050	1.2280	1.2658	1.2160	1.2516	1.2192	1.2555
0.78		1.1863	1.2168	1.2411	1.2812	1.2284	1.2663	1.2319	1.2703
0.77		1.1965	1.2288	1.2546	1.2971	1.2411	1.2812	1.2447	1.2855
0.76		1.2069	1.2410	1.2683	1.3132	1.2540	1.2964	1.2579	1.3009
0.75		1.2175	1.2535	1.2822	1.3297	1.2672	1.3119	1.2713	1.3167
0.74		1.2283	1.2662	1.2965	1.3456	1.2806	1.3278	1.2849	1.3328
0.73		1.2394	1.2792	1.3110	1.3637	1.2944	1.3440	1.2989	1.3493
0.72		1.2506	1.2924	1.3259	1.3812	1.3084	1.3605	1.3131	1.3661
0.71		1.2621	1.3059	1.3410	1.3991	1.3226	1.3774	1.3276	1.3883
0.70		1.2738	1.3197	1.3565	1.4174	1.3372	1.3946	1.3424	1.4008
0.69		1.2857	1.3337	1.3723	1.4362	1.3521	1.4122	1.3576	1.4187
0.68		1.2979	1.3481	1.3885	1.4553	1.3673	1.4303	1.3730	1.4370
0.67		1.3103	1.3682	1.4050	1.4749	1.3829	1.4487	1.3888	1.4558
0.66		1.3230	1.3777	1.4218	1.4949	1.3987	1.4675	1.4050	1.4749
0.65		1.3359	1.3931	1.4390	1.5154	1.4150	1.4868	1.4215	1.4945
0.64		1.3491	1.4087	1.4567	1.5363	1.4316	1.5064	1.4383	1.5145
0.63		1.3626	1.4247	1.4747	1.5578	1.4485	1.5266	1.4556	1.5350
0.62		1.3765	1.4411	1.4931	1.5797	1.4659	1.5472	1.4732	1.5560
0.61		1.3906	1.4578	1.5120	1.6022	1.4836	1.5684	1.4913	1.5775
0.60		1.4050	1.4749	1.5314	1.6252	1.5018	1.5900	1.5098	1.5995
0.59		1.4198	1.4925	1.5511	1.6488	1.5204	1.6122	1.5287	1.6221
0.58		1.4349	1.5104	1.5714	1.6730	1.5394	1.6349	1.5481	1.6452
0.57		1.4504	1.5288	1.5922	1.6978	1.5590	1.6582	1.5679	1.6689
0.56		1.4662	1.5476	1.6135	1.7233	1.5790	1.6820	1.5883	1.6932
0.55		1.4824	1.5670	1.6353	1.7494	1.5995	1.7065	1.6092	1.7181
0.54		1.4991	1.6858	1.6577	1.7762	1.6205	1.7317	1.6306	1.7437
0.53		1.5161	1.6071	1.6807	1.8037	1.6421	1.7575	1.6525	1.7699
0.52		1.5336	1.6279	1.7043	1.8319	1.6642	1.7840	1.6751	1.7969
0.51		1.5515	1.6493	1.7285	1.8609	1.6870	1.8112	1.6982	1.8246
0.50		1.5699	1.6713	1.7534	1.8908	1.7103	1.8391	1.7220	1.8531

APPENDIX D—CHAIN OF CUSTODY; AIR SAMPLING LOG SHEETS; AND AIR SAMPLING LABELS

Tetra Tech NUS, Inc. CHAIN OF CUSTODY

NO.

Project No:	Facility:	Project Manger:	Phone:	Laboratory Name and Contact:
	LMC/MRC			
Samplers:		Field Ops. Leader:	Phone:	Address:
		Fed Ex Airbill Number:		City, State, Zip:

										Container Type: Plastic (P) or Glass (G)	P/G	P						
										Preservative Used:	0°C							
Date Year: 2015	Time	Sample ID	Location ID	Air Intake (FT)	Elapsed time (minutes)	Average Flow rate (lpm)	Total volume (Liters)	Total No. of Containers	ANALYSIS	*Poly-nucleated Aromatic hydrocarbons, NIOSH Method 5506; 37mm Cassette/XAD-2 Tube 100mg/50mg*	*Crystallie Silca, NIOSH Method 7500; 37mm cassette*							Comments

1. Relinquished By:	Date:	Time:	1. Received By:	Date:	Time:
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:

Comments: PAH samples will be protected from Ultra-violet light degradation. Collected samples will be wrapped in aluminum foil. PAH samples will also be cooled to 0°C for storage and shipment.

Sheet1 Sheet2 Sheet3

TETRA TECH, INC.

AIR SAMPLE LOG SHEET

Project Name: Lockheed Martin, Middle River Complex Project Number: 112IC05956

PAH Air Sampling analysis during Excavation Tax Block - .

Sample Date: _____/_____/_____ Sampler:

Air Sample Pump Type: Serial ID No.

Tetra Tech Sample No.: Client Sample No.:

Analytical Method No.: NIOSH 5506 Analytical Technique: HPLC Fluorescence/UV Detection

Analyte(s): Polycyclic Aromatic Hydrocarbons (PAHs)

TLV of Single Compound: 0.2 mg/m^3 as coal tar pitch volatiles TLV of Mixture:

Sample Media: FILTER+SOLID SORBENT (37mm, 2µm, PTFE = washed XAD,100 mg/50 mg); 2 lpm (Minimum volume = 200L; Max Volume 1000 Liters)

Average Flow Rate Average Flow Rate

Before Sampling: 2.0 l/min. After Sampling: l/min.

Average Flow Rate over Sampling Period: l/min.

Pump Status Checked at: _____ _____ _____ _____ _____ _____

Sample Type: (TWA/STEL/ENVIR)

Time On: Time Off: Total Time: Air Volume Sampled: liters

Worker or Area Sampled: SS No.: XXX-XX-

Plant Location or Process:

Job Description:

Filter Cassettes/Tubes Labeled and Sealed: Yes No N/A (Circle One)

Storage/Handling/Transportation Protect against UV light, wrap in aluminum foil; cool to 0˚C.

Comments: _____

_____

_____

PRE- AND POST-PUMP CALIBRATION DATA
ELECTRONIC PRIMARY FLOW CALIBRATION

Calibrator Type:_____Serial Number:_____Primary Calibration Date:_____

Date	Media	Flow Cell Volume (ml)	Flow Rate 1	Flow Rate 2	Flow Rate 3	Average Flow Rate	Initials

WORKER ACTIVITY LOG

TEST HOUR	TASK(S)	0,1,2,3,4	PLANT LOCATION(S)
1			
	Weather:		
2			
	Weather:		
3			

TEST HOUR	TASK(S)	0,1,2,3,4	PLANT LOCATION(S)
	Weather:		
4			
	Weather:		
5			
	Weather:		
6			

TEST HOUR	TASK(S)	0,1,2,3,4	PLANT LOCATION(S)
	Weather:		
7			
	Weather:		
8			
	Weather:		

TETRA TECH, INC.

AIR SAMPLE LOG SHEET

Project Name: Lockheed Martin Middle River Complex Project Number: 112IC05953

Sample Date: _____ Sampler: Tom Dickson

Instrument Type: Personal Air Sampling Pump Required Flow rate: 2.5 Lpm

Analytical Method No.: NIOSH 7500 Analyte(s): Crystalline Silica - 14808-60-7 (quartz);

14464-46-1 (cristobalite); 15468-32-3 (tridymite)

Analytical Technique: Gravimetric analysis/ X-ray Powder Diffraction (XRD)

Sample Media: 37mm 5µ, 3pc PVC Cassette; Aluminum Cyclone Pre-tare Weight: _____

Tetra Tech Sample No.: _____ Lab Sample No.: _____

Regulatory Authority			
OSHA	quartz (respirable) 10 mg/m^3/ (%SiO2+2);	Cristobalite (respirable) 10 mg/m^3/ (%SiO2+2)	Tridymite (respirable) 5 mg/m^3/ (%SiO2+2)
NIOSH	0.05 mg/m^3 Mixture		
ACGIH	quartz (respirable) 0.1 mg/m^3/ (%SiO2+2);	Cristobalite (respirable) 0.05 mg/m^3/ (%SiO2+2)	Tridymite (respirable) 0.05 mg/m^3/ (%SiO2+2)

PUMP status/CALIBRATION DATA/Flow rate Confirmation

Calibrator Type: _____ Serial Number: _____ Primary Calibration Date: _____

Time/Flow Rate 1	Time/Flow Rate 2	Time/Flow Rate 3	Time/Flow Rate 4	Time/Flow Rate 5	Avg. Flow Rate	Initials

Sample Information

Sample Time On:_____ Sample Time Off:_____ Elapsed Time (minutes):_____

Elapsed Time (minutes):_____ X _____ (Avg. Flow Rate) = _____ Air Volume Sampled:_____ liters

Worker or Area Sampled:_____ Social Security No. (Last four):_____

Location or Process: _____

Job Description:_____

_____

Comments: _____

_____

Sample Management Information

Filter Cassettes/Tubes Labeled and Sealed: ☒ Yes ☐ No ☐ NA

Storage/Handling/Transportation: Samples Chilled: ☐ Yes ☐ No ☐ NA

Chain of Custody Contained in the Sample Shipment Container: ☒ Yes ☐ No ☐ NA

Laboratory notified of sample shipment: ☒ Yes ☐ No ☐ NA

Comments:_____

_____

_____

_____

WORKER ACTIVITY LOG

TEST HOUR	TASK(S)	*	LOCATION(S)
1			
2			
3			

TEST HOUR	TASK(S)	*	LOCATION(S)
4			
5			
6			

TEST HOUR	TASK(S)	*	LOCATION(S)
7			
8			

Tetra Tech, Inc. Multi-Air Sample Log Sheet

Project Name: Lockheed Martin, Middle River Complex **Project Number:** 112IC05956

NIOSH #	Media	Lab Identification	Pre-weight (mg)	Sample Identification	Pump ID	Date	Start Time	Stop Time	Total Minutes	Flow Rate (lpm)	Total Volume (L)
7500	1		NA		Gil Air 5 TA 127						

Calibration: Type:_____ Serial #:_____ Flow Cell Capacity: 5-500ml Flow rate: Pre = _____ /Post = _____ Avg= Initials:_____

Comments: SILICA, CRYSTALLINE, by XRD (filter redeposition); CYCLONE + FILTER (10-mm nylon cyclone, Higgins-Dewell (HD) cyclone, or aluminum cyclone + 5-:m PVC membrane);Nylon cyclone: 1.7 L/min; HD cyclone: 2.2 L/min; aluminum cyclone: 2.5 L/min

NIOSH #	Media	Lab Identification	Pre-weight (mg)	Sample Identification	Pump ID	Date	Start Time	Stop Time	Total Minutes	Flow Rate (lpm)	Total Volume (L)
7500	1		NA		Gil Air 5 TA 127						

Calibration: Type:_____ Serial #:_____ Flow Cell Capacity: 5-500ml Flow rate: Pre = _____ /Post _____ Avg= _____ Initials:_____

Comments: SILICA, CRYSTALLINE, by XRD (filter redeposition); CYCLONE + FILTER (10-mm nylon cyclone, Higgins-Dewell (HD) cyclone, or aluminum cyclone + 5-:m PVC membrane);Nylon cyclone: 1.7 L/min; HD cyclone: 2.2 L/min; aluminum cyclone: 2.5 L/min

NIOSH #	**Media**	**Lab Identification**	**Pre-weight (mg)**	**Sample Identification**	**Pump ID**	**Date**	**Start Time**	**Stop Time**	**Total Minutes**	**Flow Rate (lpm)**	**Total Volume (L)**
7500	1		NA		Gil Air 5 TA 127						

Calibration: Type: NA Serial #: NA Flow Cell Capacity: NA Flow rate: Pre = /Post = Avg= Initials:

Comments: SILICA, CRYSTALLINE, by XRD (filter redeposition); CYCLONE + FILTER (10-mm nylon cyclone, Higgins-Dewell (HD) cyclone, or aluminum cyclone + 5-:m PVC membrane);Nylon cyclone: 1.7 L/min; HD cyclone: 2.2 L/min; aluminum cyclone: 2.5 L/min

7500	1		NA		Gil Air 5 TA 127						

Calibration: Type: Serial #: Flow Cell Capacity: 5-500ml Flow rate: Pre = /Post = Avg= Initials:

Comments: SILICA, CRYSTALLINE, by XRD (filter redeposition); CYCLONE + FILTER (10-mm nylon cyclone, Higgins-Dewell (HD) cyclone, or aluminum cyclone + 5-:m PVC membrane);Nylon cyclone: 1.7 L/min; HD cyclone: 2.2 L/min; aluminum cyclone: 2.5 L/min

NIOSH #	Media	Lab Identification	Pre-weight	Sample Identification	Pump ID	Date	Start Time	Stop Time	Total Minutes	Flow Rate (lpm)	Total Volume (L)

NIOSH #	Media	Lab Identification	Pre-weight (mg)	Sample Identification	Pump ID	Date	Start Time	Stop Time	Total Minutes	Flow Rate (lpm)	Total Volume (L)
			(mg)								
5506 PAHs	2		NA		Gil Air 5						

Calibration: Type: Bios Defender 510 Serial #: _____ Flow Cell Capacity: 5-500ml Flow rate: Pre = _____ /Post = _____ Avg= _____ Initials: _____

Comments: **POLYNUCLEAR AROMATIC HYDROCARBONS by HPLC;** FILTER + SORBENT TUBE (37-mm, 2-µm, PTFE + washed XAD-2, 100 mg/50 mg); **FLOW RATE:** 2 L/min; **VOL-MIN:** 200 L/ VOL-**MAX:** 1000 L; **SHIPMENT:** transfer filters to culture tubes; wrap sorbent and culture tubes in Al foil; ship @ 0˚C; **SAMPLE STABILITY**: unknown; protect from heat and UV light.

5506 PAHs	2		NA		Gil Air 5						

Calibration: Type: Bios Defender 510 Serial #: _____ Flow Cell Capacity: 5-500ml Flow rate: Pre = _____ /Post = _____ Avg= _____ Initials: _____

Comments: **POLYNUCLEAR AROMATIC HYDROCARBONS by HPLC;** FILTER + SORBENT TUBE (37-mm, 2-µm, PTFE + washed XAD-2, 100 mg/50 mg); **FLOW RATE:** 2 L/min; **VOL-MIN:** 200 L/ VOL-**MAX:** 1000 L; **SHIPMENT:** transfer filters to culture tubes; wrap sorbent and culture tubes in Al foil; ship @ 0˚C; **SAMPLE STABILITY**: unknown; protect from heat and UV light.

5506 PAHs	2		NA		Gil Air 5						

Calibration: Type: Bios Defender 510 Serial #: _____ Flow Cell Capacity: 5-500ml Flow rate: Pre = _____ /Post = _____ Avg= _____ Initials: _____

NIOSH #	Media	Lab Identification	Pre-weight (mg)	Sample Identification	Pump ID	Date	Start Time	Stop Time	Total Minutes	Flow Rate (lpm)	Total Volume (L)
Comments: **POLYNUCLEAR AROMATIC HYDROCARBONS by HPLC;** FILTER + SORBENT TUBE (37-mm, 2-µm, PTFE + washed XAD-2, 100 mg/50 mg); **FLOW RATE:** 2 L/min; **VOL-MIN:** 200 L/ VOL-**MAX:** 1000 L; **SHIPMENT:** transfer filters to culture tubes; wrap sorbent and culture tubes in Al foil; ship @ 0˚C; **SAMPLE STABILITY**: unknown; protect from heat and UV light.											
5506 PAHs	2		NA		Gil Air 5						

Calibration: Type: Bios Defender 510 Serial #:_____ Flow Cell Capacity: 5-500ml Flow rate: Pre = _____/Post = _____ Avg=_____ Initials:

Comments: **POLYNUCLEAR AROMATIC HYDROCARBONS by HPLC;** FILTER + SORBENT TUBE (37-mm, 2-µm, PTFE + washed XAD-2, 100 mg/50 mg); **FLOW RATE:** 2 L/min; **VOL-MIN:** 200 L/ VOL-**MAX:** 1000 L; **SHIPMENT:** transfer filters to culture tubes; wrap sorbent and culture tubes in Al foil; ship @ 0˚C; **SAMPLE STABILITY**: unknown; protect from heat and UV light.

1) 7500: Crystalline Silica: 37mm Cassette, 5µm PVC Cassette with aluminum cyclone

2) PAHs: Filter + Solid Sorbent (37mm, 2µm, PTFE = washed XAD,100 mg/50 mg)

SAMPLE LABELS (PAHs), NIOSH METHOD 5506

Sample ID:	On: Off:	Sample ID:	On: Off:
Avg Flowrate (Lpm):	Volume(L):	Avg Flowrate (Lpm):	Volume(L):
Sample ID:	On: Off:	Sample ID:	On: Off:
Avg Flowrate (Lpm):	Volume(L):	Avg Flowrate (Lpm):	Volume(L):
Sample ID:	On: Off:	Sample ID:	On: Off:
Avg Flowrate (Lpm):	Volume(L):	Avg Flowrate (Lpm):	Volume(L):
Sample ID:	On: Off:	Sample ID:	On: Off:
Avg Flowrate (Lpm):	Volume(L):	Avg Flowrate (Lpm):	Volume(L):
Sample ID:	On: Off:	Sample ID:	On: Off:
Avg Flowrate (Lpm):	Volume(L):	Avg Flowrate (Lpm):	Volume(L):
Sample ID:	On: Off:	Sample ID:	On: Off:
Avg Flowrate (Lpm):	Volume(L):	Avg Flowrate (Lpm):	Volume(L):
Sample ID:	On: Off:	Sample ID:	On: Off:
Avg Flowrate (Lpm):	Volume(L):	Avg Flowrate (Lpm):	Volume(L):
Sample ID:	On: Off:	Sample ID:	On: Off:
Avg Flowrate (Lpm):	Volume(L):	Avg Flowrate (Lpm):	Volume(L):
Sample ID:	On: Off:	Sample ID:	On: Off:
Avg Flowrate (Lpm):	Volume(L):	Avg Flowrate (Lpm):	Volume(L):
Sample ID:	On: Off:	Sample ID:	On: Off:
Avg Flowrate (Lpm):	Volume(L):	Avg Flowrate (Lpm):	Volume(L):
Sample ID:	On: Off:	Sample ID:	On: Off:
Avg Flowrate (Lpm):	Volume(L):	Avg Flowrate (Lpm):	Volume(L):

SAMPLE LABELS NIOSH METHOD 7500 CRYSTALLINE SILICA

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____ On:_____ Off:_____

Avg Flowrate (Lpm): _____ Volume(L):_____

Sample ID: _____On:_____Off:_____

Avg Flowrate (Lpm): _____Volume(L):_____

Sample ID: _____On:_____Off:_____

Avg Flowrate (Lpm): _____Volume(L):_____

APPENDIX D—TRANSPORTATION AND DISPOSAL DOCUMENTATION

Soil Safe

Material Characterization Report
Brandywine, Maryland

Please complete all sections of the form, sign where indicated and return completed form to:

Soil Safe, Inc.
6700 Alexander Bell Dr., Suite 300, Columbia MD 21046
Phone: 410 872-3990 Fax: 410 872-9082

Project Information

Site Name: Lockheed Martin Middle River

Address: 195 Chesapeake Park Plaza Road

City, State Zip: Middle River, MD 21220 | County: Baltimore

Contact: Mike Musheno

Phone: 610-656-4012 | Fax: 410-682-0854

Approximate Quantity: ~~6700~~ KST 564 - BLOCK "H" 2,457 - BLOCK "G" | Unit of Measure: (Check One) KST ☐ Drums ☑ Tons ☐ Yards

Type of Contamination: ☑ Gasoline ☑ Diesel ☐ Fuel Oil ☐ Hydraulic Oil ☐ Heating Oil ☐ Kerosene ☐ Jet Fuel ☑ Motor Oil ☑ Used Oil

☑ Other (explain):

Contamination Source: ☐ UST ☐ AST ☐ Spill ☑ Historic

Other (explain): PAHs

Past Use of Site: ☑ Industrial ☐ Commercial ☐ Residential

Describe Past Use of Site: Currently vehicle parking and equipment storage, former WWTP and wind tunnel.

Certifications

I, the undersigned, understand that any soil delivered to Soil Safe's facility that is found to be non-conforming will not be accepted for processing. I further understand that the Client shall be solely responsible for its removal. In the event that the Client does not remove the soils in a timely manner, Soil Safe, acting as agent for the Client, may arrange to have the soil removed and disposed of at a properly permitted facility at the Client's sole expense.

I, the undersigned, Certify that, to the best of my knowledge, the soil submitted for acceptance to Soil Safe does not contain Polychlorinated Biphenyl's (PCB's), as defined by 40 CFR761, at levels greater than 5 ppm. I further certify that, to the best of my knowledge, the soil does not contain herbicides, pesticides, or any other constituents at levels which would cause the soil to be characterized as toxic or hazardous as defined by 40 CFR 261. I further certify that all documentation, including all soil analysis, that has been performed on the subject site has been provided to Soil Safe and that the soils have not been or are not presently the focus of a remediation for contaminants other than those that are being disclosed to Soil Safe, Inc.

I, the undersigned, am the generator or a properly authorized agent for the generator. By signing below I certify that I have been granted the authority to execute this document.

Print Name: Tom Blackman | Company: Lockheed Martin Corp

Title: Project Lead | Signature: Tom Blackman

Soil Safe

Material Characterization Report
Brandywine, Maryland

The Brandywine Facility requires the following analysis for approval of material into the facility.

Analysis	Method	Acceptance Criteria
TPH – As appropriate for the type of contamination	8015 / 9071B	Less than 25,000 ppm
BTEX	By an EPA Approved Method	Less than 500 ppm
PCB's	8082	Less than 5 ppm
TCLP Metals *Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver*	1311/6010	Less than RCRA

Note: Other tests may be required depending on type of contamination. Soil not specifically exempted under 40CFR261.4 (b) (10) will require a Full TCLP List instead of TCLP Metals.

- Analytical requirements can be reduced if both of the following conditions are met:
  - A. Soils are impacted with only virgin oil(s).
  - B. One of the following Reduced Analytical Documents is provided: (check the applicable document provided)
    - ☐ MDE UST document completed by MDE Representative
    - ☐ Another Maryland document or form completed by a Department Representative
    - ☐ An MDE equivalent document from another State
    - ☐ Spill response document completed by or for a Government Agency
    - ☐ A UST document completed by a Soil Safe Employee
    - ☐ Single family home affidavit
    - ☐ Commercial transportation spill affidavit

- Reduced analytical are:
  - A. BTEX
  - B. TPH – As appropriate for the type of oil that was discharged.

Site Diagram (please sketch or attach drawing showing source of soil on project site)

Sample and Analysis Certification

I certify that soils were sampled as noted above and the results are representative of the stated volume to be shipped to Soil Safe, Inc.
Signature: _____

Chain of Payment

The information below must be provided for billing purposes and is required for project approval.

Instructions
In order, starting with the generator and ending with Billing Company please provide the chain of payment for the project that you wish to have approved for acceptance by Soil Safe. Please contact Soil Safe with any questions you may have.

Generator Information

Generator: Lockheed Martin Corp — Contact: Mike Musheno
Address: 195 Chesapeake Park Plaza Road — City, State Zip: Middle River, MD 21220
Phone: 610-656-4012 — Fax: 410-682-0854

Company: _____ — Contact: _____
Address: _____ — City, State Zip: _____
Phone: _____ — Fax: _____

Company: _____ — Contact: _____
Address: _____ — City, State Zip: _____
Phone: _____ — Fax: _____

*If additional space is needed, please attach a separate sheet providing the information requested.

Billing Information

Company: Elite Environmental — Contact: Kenneth Trent
Address: 1814 Turkey Point Road — City, State Zip: Baltimore, MD 21901
Phone: (877) 202-4448 — Fax: _____

Chain of Payment Certification

I, the undersigned verify that the information provided above is true and accurate. The information is complete and follows the Chain of Payment, as it will occur upon invoice for the project. Any changes to this Chain will be reported to Soil Safe as soon as possible.

Print Name: Kenneth Trent — Company: Elite Environmental
Title: President — Signature: _____

SOIL SAFE INCORPORATED CERTIFICATE OF RECYCLE

Soil Safe Incorporated has accepted 396.03 tons of non-hazardous, petroleum contaminated soil, transported or 17 truck(s) from:

195 Chesapeake Park Plaza Road
Middle River MD 21220

Under approval number W5-4001 and billed under invoice # 66844

This material was contracted by and between Soil Safe, Inc. and
Elite Environmental Broker, Generator, or Agent, representing
Lockheed Martin Middle River , generator.

This material was analyzed prior to acceptance by a certified soils technician to determine soil components and specific product usage. Soil Safe Incorporated has taken full responsibility for this material: including safe handling, processing, storage, and reuse. We hereby certify that all of the above was executed in accordance with all existing laws and regulations.

Soil Safe certified on 23 September 2015 that this material has been recycled into an environmentally benign product.

State of Maryland
My commission expires December 7, 2018
As sworn to me this 23 September 2015

Notary

CERTIFICATE ISSUED TO:
Elite Environmental
P.O. Box 615
Cape Canavaral FL 32920

GENERATOR:

Lockheed Martin Middle River

Soil Safe Incorporated is a corporation committed to the safe handling, processing and recycling of non-hazardous petroleum contaminated soil.

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Manifest Tracking Sheet
Soil Remedial Action - Block H
Lockheed Martin Corporation Middle River Complex
Middle River, Maryland

Manifest Number		Block	Area	Truck Number	Driver	Net Weight (tons)	Net Weight (pounds)	Date
Block H Area A								
332658	TT-BH-A-1	H	A	I 7	C. Wallace	24.73	49460	5/20/2015
332687	TT-BH-A-2	H	A	I 15	B. Ashford	26.93	53860	5/20/2015
332686	TT-BH-A-3	H	A	I 10	D. Whalen	24.77	49540	5/20/2015
332685	TT-BH-A-4	H	A	I 6	W. Banks	22.66	45320	5/20/2015
332659	TT-BH-A-5	H	A	78	E. Trapp	21.46	42920	5/20/2015
332661	TT-BH-A-6	H	A	83	J. Harrell	22.37	44740	5/20/2015
332660	TT-BH-A-7	H	A	80	B. Davis	17.88	35760	5/20/2015
332662	TT-BH-A-8	H	A	61	J. Trapp	23.42	46840	5/20/2015
332633	TT-BH-A-9	H	A	I 15	B Ashford	25.53	51060	5/20/2015
332664	TT-BH-A-10	H	A	I 10	D. Whalen	23.37	46740	5/20/2015
					Subtotal	233.12	466240	
Block H Area B								
332665	TT-BH-B-1	H	B	I 7	C. Wallace	25.27	50540	5/20/2015
332666	TT-BH-B-2	H	B	I 6	W. Banks	23.38	46760	5/20/2015
332667	TT-BH-B-3	H	B	83	J. Harrell	22.21	44420	5/21/2015
332668	TT-BH-B-4	H	B	80	B. Davis	17.87	35740	5/21/2015
332669	TT-BH-B-5	H	B	I-15	B. Ashford	24.6	49200	5/21/2015
332670	TT-BH-B-6	H	B	I-6	B. Banks	22.59	45180	5/21/2015
332671	TT-BH-B-7	H	B	I-7	C. Wallace	26.99	53980	5/21/2015
					Subtotal	162.91	325820	
					Block H Total=	**396.03**	**792060**	

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number 105

332658

GENERATOR

Generator Name LMC (Mike Mullenix) Shipping Location Lockheed Martin(LMC)Middle River

Address 195 Chesapeake Park Plaza Rd. Address 195 Chesapeake Park Plaza Rd.

Middle River, MD 21220 Middle River, MD 21220

Phone No. (610) 656-4012 Phone No. (610) 656-4012

Approval Number W5-4001

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

GROSS	36.83 T	GROSS
TARE	12.10 T	TARE
NET	24.73 T	NET
		TONNAGE

1:29PM 05/20/2015

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name IOS Driver Name (Print)

Address Vehicle License No./State 242 E. 5E

Truck Number I-7

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036

Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number

11-BH-A2

332687

GENERATOR

Generator Name LMC (Mike Musheno)

Address 195 Chesapeake Park Plaza Rd

Middle River, MD 21220

Phone No. (610) 656-4012

Shipping Location Lockheed Martin(LMC)Middle River

Address 195 Chesapeake Park Plaza Rd

Middle River, MD 21220

Phone No. (610) 656-4012

Approval Number

W5-4001

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

GROSS

TARE

NET

TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Agent for Lockheed Martin

Generator Authorized Agent Name — Signature — 5-20-15 Shipment Date

TRANSPORTER

Transporter Name LOS Trucking

Address 3540 Crain Hwy Bowie Md

Driver Name (Print) B Ashford

Vehicle License No./State 246ED96

Truck Number 1-15

I hereby certify that the above named material was picked up at the generator site listed above.

B Ashford 5-20-15

Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

B Ashford 5-20-15

Driver Signature — Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036

Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number: 332686

GENERATOR

Generator Name: LMC (Mike Musheno)
Address: 195 Chesapeake Park Plaza Rd.
Middle River, MD 21220
Phone No.: (610) 656-4012

Shipping Location: Lockheed Martin(LMC)Middle River
Address: 195 Chesapeake Park Plaza Rd.
Middle River, MD 21220
Phone No.: (610) 656-4012

Approval Number: W5-4001

Description of Material: Non-Regulated Petroleum Contaminated Soil
Non DOT/RCRA Regulated

GROSS
TARE
NET
TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Keenan Agent for Lockheed Martin — Signature — 5-20-15
Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name: IOJ Trucking
Address: 3540 Crain hwy
Bowie, md 20716

Driver Name (Print): Derrick Whalen
Vehicle License No./State: 236ED89
Truck Number: I-10

I hereby certify that the above named material was picked up at the generator site listed above.

Derrick Whalen — 5/20/15
Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Derrick Whalen — 5/20/15
Driver Signature — Delivery Date

DESTINATION

Site Name: Brandywine
Phone No.: 301-782-3036

Address: 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number

332685

GENERATOR

Generator Name LMC (Mike Mushenio) Shipping Location Lockheed Martin MC Middle River

Address 195 Chesapeake Park Plaza Rd Address 195 Chesapeake Park Plaza Rd

Middle River, MD 21220 Middle River, MD 21220

Phone No. (610) 656-4012 Phone No. (610) 656-4012

Approval Number W5-4001

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

GROSS

TARE

NET

TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name IOJ Driver Name (Print) Bill Banks

Address Bowie, MD Vehicle License No./State 712 ED4U MD

Truck Number 6

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature Shipment Date 5/20/15

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature 5/21/15 Delivery Date

DESTINATION

Site Name Brandywine Phone No. 301-782-3036

Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number: TT-BH-A-5

332659

GENERATOR

Generator Name: LMC (Mike Musheno)

Address: 195 Chesapeake Park Plaza Rd.
Middle River, MD 21220

Phone No.: (610) 656-4012

Shipping Location: Lockheed Martin(LMC)Middle River

Address: 195 Chesapeake Park Plaza Rd
Middle River, MD 21220

Phone No.: (610) 656-4012

Approval Number: W5-4001

Description of Material: Non-Regulated Petroleum Contaminated Soil
Non DOT/RCRA Regulated

GROSS
TARE
NET
TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James R. Ferguson Agent for Lockheed Mart. — Signature — 5-20-15

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name: Trapp Ent

Address: 627 Hammonds Ferry Rd
Linthicum Md

Driver Name (Print): SONNY TRAPP

Vehicle License No./State: E40409D

Truck Number: 78

I hereby certify that the above named material was picked up at the generator site listed above.

Sonny Trapp — 5-20-15

Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Sonny Trapp — 5-20-15

Driver Signature — Delivery Date

DESTINATION

Site Name: Brandywine

Phone No.: 301-782-3036

Address: 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number: TT-BH-A-6

332661

GENERATOR

Generator Name: LMC (Mike Musheno)

Address: 195 Chesapeake Park Plaza Rd

Middle River, MD 21220

Phone No.: (610) 656-4012

Shipping Location: Lockheed Martin(LMC)Middle River

Address: 195 Chesapeake Park Plaza Rd

Middle River, MD 21220

Phone No.: (610) 656-4012

Approval Number: WS-4001

Description of Material: Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

GROSS

TARE

NET

TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Ferguson Agt for Lockheed Martin — 5-20-15

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name: TRAPP

Address: bush md

Driver Name (Print): Jimbo

Vehicle License No./State: E156270

Truck Number: 83

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 5/20 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 5/20 Delivery Date

DESTINATION

Site Name: Brandywine — Phone No.: 301-782-3036

Address: 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number: TT-BH-A-7

332660

GENERATOR

Generator Name: LMC (Mike Musheno)

Address: 195 Chesapeake Park Plaza Rd.
Middle River, MD 21220

Phone No.: (610) 656-4012

Shipping Location: Lockheed Martin(LMC)Middle River

Address: 195 Chesapeake Park Plaza Rd.
Middle River, MD 21220

Phone No.: (610) 656-4012

Approval Number: WS-4001

Description of Material: Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

GROSS

TARE

NET

TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James R Ferguson Agent for Lockheed Martin — 5-20-15

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name: Trapp Trucking

Address: 627 Hammonds Ferry Rd
Linthicum Md

Driver Name (Print): Brad

Vehicle License No./State: E52520D MD

Truck Number: #80

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 5/20/15 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 5/20/15 Delivery Date

DESTINATION

Site Name: Brandywine — Phone No.: 301-782-3036

Address: 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number: FT-BH-A-8

332662

GENERATOR

Generator Name: LMC (Mike Musheno)

Address: 195 Chesapeake Park Plaza Rd.
Middle River, MD 21220

Phone No.: (610) 656-4012

Shipping Location: Lockheed Martin(LMC)Middle River

Address: 195 Chesapeake Park Plaza Rd.
Middle River, MD 21220

Phone No.: (610) 656-4012

Approval Number: W5-4001

Description of Material: Non-Regulated Petroleum Contaminated Soil
Non DOT/RCRA Regulated

GROSS
TARE
NET
TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Agent for Terry P Ferguson, Lockheed Martin — 5-20-15

Generator Authorized Agent Name / Signature / Shipment Date

TRANSPORTER

Transporter Name: Trapp

Address: 627 Hammonds Ferry Rd
Linthicum, MD

Driver Name (Print): Jeff Trapp

Vehicle License No./State: E45602GD

Truck Number: 601

I hereby certify that the above named material was picked up at the generator site listed above.

Jeff Trapp — 5/20/15

Driver Signature / Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Jeff Trapp — 5/20/15

Driver Signature / Delivery Date

DESTINATION

Site Name: Brandywine

Phone No.: 301-782-3036

Address: 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent / Signature / Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number: TT-BH-A-9

332663

GENERATOR

Generator Name: LMC (Mike Musheno)

Address: 195 Chesapeake Park Plaza Rd

Middle River, MD 21220

Phone No.: (610) 656-4012

Shipping Location: Lockheed Martin(LMC)Middle River

Address: 195 Chesapeake Park Plaza Rd

Middle River, MD 21220

Phone No.: (610) 656-4012

Approval Number: W5-4001

Description of Material: Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

GROSS

TARE

NET

TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Trans-3 R. Engineering Agent for Lockheed Martin — Signature — 5-20-15

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name: T & J Trucking

Address: 3540 Crain Hwy

Bowie Md

Driver Name (Print): B Ashford

Vehicle License No./State: 246-1796

Truck Number: T-15

I hereby certify that the above named material was picked up at the generator site listed above.

B Ashford 5-20-15

Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

B Ashford 5-20-15

Driver Signature — Delivery Date

DESTINATION

Site Name: Brandywine

Phone No.: 301-782-3036

Address: 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number: 11-611-A-10

332664

GENERATOR

Generator Name: LMC (Mike Musheno)

Address: 195 Chesapeake Park Plaza Rd.
Middle River, MD 21220

Phone No.: (610) 656-4012

Shipping Location: Lockheed Martin(LMC)Middle River

Address: 195 Chesapeake Park Plaza Rd.
Middle River, MD 21220

Phone No.: (610) 656-4012

Approval Number: W5-4001

Description of Material: Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

GROSS

TARE

NET

TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Agent Co

Tony P Sparano Lockheed Mart. — Signature — 5-20-15

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name: IOS Trucking

Address: 3540 Crain hwy
Bowie, md 20716

Driver Name (Print): Derrick Whalen

Vehicle License No./State: 236ED89

Truck Number: I-10

I hereby certify that the above named material was picked up at the generator site listed above.

Derrick Whal — 5/20/15

Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Derrick Whalen 5/20/15

Driver Signature — Delivery Date

DESTINATION

Site Name: Brandywine

Phone No.: 301-782-3036

Address: 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number: 11-BH-A-[illegible]

332665

GENERATOR

Generator Name: LMC (Mike Musheno)

Address: 195 Chesapeake Park Plaza Rd.

Middle River, MD 21220

Phone No.: (610) 656-4012

Shipping Location: Lockheed Martin(LMC)Middle River

Address: 195 Chesapeake Park Plaza Rd.

Middle River, MD 21220

Phone No.: (610) 656-4012

Approval Number: W5-4001

Description of Material: Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

GROSS

TARE

NET

TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Agent for Lockheed Martin

Jennifer Ferguson — Signature — 5-20-15

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name: IOS

Address: 3540 Crain Hwy

Bowie MD 20716

Driver Name (Print): Craig

Vehicle License No./State: 242 CD55

Truck Number: I-7

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 5-20-15 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 5-20-15 Delivery Date

DESTINATION

Site Name: Brandywine — Phone No.: 301-782-3036

Address: 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number: IT-BH-B-7

332666

GENERATOR

Generator Name: LMC (Mike Musheno)

Address: 195 Chesapeake Park Plaza Rd.

Middle River, MD 21220

Phone No.: (610) 656-4012

Shipping Location: Lockheed Martin(LMC)Middle River

Address: 195 Chesapeake Park Plaza Rd.

Middle River, MD 21220

Phone No.: (610) 656-4012

Approval Number: W5-4001

Description of Material: Non-Regulated Petroleum Contaminated Soil; Non DOT/RCRA Regulated

GROSS

TARE

NET

TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James R. Agent for Lockheed Martin — Generator Authorized Agent Name

Signature

5-20-2015 — Shipment Date

TRANSPORTER

Transporter Name: IOJ Trucking

Address: Bowie, MD

Driver Name (Print): Bill Banks

Vehicle License No./State: 2LE4L6 MD

Truck Number: 6

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 5/20/15 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 5/20/15 Delivery Date

DESTINATION

Site Name: Brandywine

Phone No.: 301-782-3036

Address: 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number: TT-BH-B-4

332667

GENERATOR

Generator Name: LMC (Mike Musheno)

Address: 195 Chesapeake Park Plaza Rd.

Middle River, MD 21220

Phone No.: (610) 636-4012

Shipping Location: Lockheed Martin(LMC)Middle River

Address: 195 Chesapeake Park Plaza Rd.

Middle River, MD 21220

Phone No.: (610) 636-4012

Approval Number: W5-4001

Description of Material: Non-Regulated Petroleum Contaminated Soil; Non DOT/RCRA Regulated

GROSS

TARE

NET

TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James R Ferguson Agent for Lockheed Martin — Signature — 5-20-15

Generator Authorized Agent Name / Signature / Shipment Date

TRANSPORTER

Transporter Name: TRAPP

Address:

Driver Name (Print): Jimbo

Vehicle License No./State: E45627D

Truck Number: 83

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 5/20 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 5/20 Delivery Date

DESTINATION

Site Name: Brandywine Phone No.: 301-782-3036

Address: 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent / Signature / Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number: TT-BH-B-4

332668

GENERATOR

Generator Name: LMC (Mike Musheno)

Address: 195 Chesapeake Park Plaza Rd.
Middle River, MD 21220

Phone No.: (610) 656-4012

Shipping Location: Lockheed Martin(LMC)Middle River

Address: 195 Chesapeake Park Plaza Rd
Middle River, MD 21220

Phone No.: (610) 656-4012

Approval Number: W5-4001

Description of Material: Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

GROSS

TARE

NET

TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James R. Ferguson Agent for Lockheed Martin — Signature — 5-20-15

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name: Trapp Trucking

Address: 627 Hammonds Ferry Rd
Linthicum Md

Driver Name (Print): Brad

Vehicle License No./State: E52520D

Truck Number: #80

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 5/20/15 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 5/20/15 Delivery Date

DESTINATION

Site Name: Brandywine

Phone No.: 301-782-3036

Address: 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number: TT-BH-B-5

332669

GENERATOR

Generator Name: LMC (Mike Musheno)

Address: 195 Chesapeake Park Plaza Rd.

Middle River, MD 21220

Phone No. (610) 636-4012

Shipping Location: Lockheed Martin(LMC) Middle River

Address: 195 Chesapeake Park Plaza Rd

Middle River, MD 21220

Phone No. (610) 636-4012

Approval Number: W5-4001

Description of Material: Non-Regulated Petroleum Contaminated Soil; Non DOT/RCRA Regulated

GROSS

TARE

NET

TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James R Ferguson Agent for Lockheed Martin — Generator Authorized Agent Name

Signature

5-21-15 — Shipment Date

TRANSPORTER

Transporter Name: LJS Trucking

Address: 3540 Crain Hwy

Bowie Md

Driver Name (Print): B Ashford

Vehicle License No./State: 246 E 96

Truck Number: L-15

I hereby certify that the above named material was picked up at the generator site listed above.

B Ashford 5-21-15

Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

B Ashford 5-21-15

Driver Signature — Delivery Date

DESTINATION

Site Name: Brandywine

Phone No. 301-782-3036

Address: 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number: TT-BH-B-6

332670

GENERATOR

Generator Name: LMC (Mike Musheno)

Address: 195 Chesapeake Park Plaza Rd.

Middle River, MD 21220

Phone No.: (610) 656-4012

Shipping Location: Lockheed Martin(LMC)Middle River

Address: 195 Chesapeake Park Plaza Rd.

Middle River, MD 21220

Phone No.: (610) 656-4012

Approval Number: W5-4001

Description of Material: Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

GROSS

TARE

NET

TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Agent for LMC

Generator Authorized Agent Name — Signature — 5-21-15 Shipment Date

TRANSPORTER

Transporter Name: IOJ

Address: BOWIE, MD

Driver Name (Print): BILL BANKS

Vehicle License No./State: ~~ZIZ~~ ZIZ ED49 MD

Truck Number: 6

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 5/21/15 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 5/21/15 Delivery Date

DESTINATION

Site Name: Brandywine Phone No.: 301-782-3036

Address: 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number: TI-BH-B-7

332671

GENERATOR

Generator Name: LMC (Mike Musheno)

Address: 195 Chesapeake Park Plaza Rd.
Middle River, MD 21220

Phone No.: (610) 636-4012

Shipping Location: Lockheed Martin(LMC)Middle River

Address: 195 Chesapeake Park Plaza Rd.
Middle River, MD 21220

Phone No.: (610) 636-4012

Approval Number: W5-4001

Description of Material: Non-Regulated Petroleum Contaminated Soil; Non DOT/RCRA Regulated

GROSS

TARE

NET

TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James P. Ferguson — Agent for Lockheed Martin — Signature — 5-21-15

Generator Authorized Agent Name / Signature / Shipment Date

TRANSPORTER

Transporter Name: IOS

Address: 3540 Crain Hwy
Bowie MD 20716

Driver Name (Print): CRAIG

Vehicle License No./State: 242 EDS

Truck Number: I-7

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — Shipment Date: 5-21-15

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — Delivery Date: 5-21-15

DESTINATION

Site Name: Brandywine

Phone No.: 301-782-3036

Address: 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent / Signature / Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

APPENDIX E—SAMPLING DOCUMENTATION

SAMPLING LOG SHEETS

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: MRC Soil Remediation Blocks D, D Pan, F, G, H
Project No.: 112IC07483

Soil Block: Block H
Excavation Area: A
Sampled By: Josh Mullis
C.O.C. No.: #1

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Type of Sample:
[X] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date	Time	Sample ID	Description (Sand, Silt, Clay, Moisture, etc.)
5/20/15	1401	H-VB-A-1-2	Sandy clay to clayey sand, sl moist, red/brown
5/20/15	1358	H-VB-A-2-2	Sandy clay to clayey sand, sl moist, red/brown
5/20/15	1356	H-VB-A-3-2	Sandy clay to clayey sand, sl moist, red/brown

COMPOSITE SAMPLE DATA:

Date	Time	Sample ID	Description (Sand, Silt, Clay, Moisture, etc.)
5/20/15	1408	H-VS-A-1-1	Sandy clay composite, sl moist, red/brown
5/20/15	1345	H-VS-A-2-1	" "
5/20/15	1347	H-VS-A-3-1	" "
5/20/15	1352	H-VS-A-4-1	" "

SAMPLE COLLECTION INFORMATION:

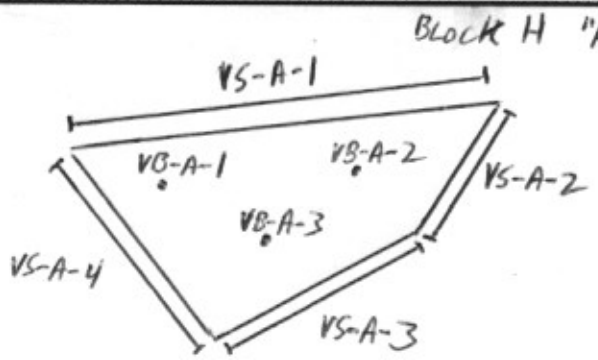
Analysis	Container Requirements	Collected	Other
PAH (8270D)	1-4oz glass jar unpres'd.	4°C	

OBSERVATIONS / NOTES:

VS = sidewall composites

VB = Base grab

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	H-DUP01 (H-VS-A-2-1)

Signature(s):

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: MRC Soil Remediation Blocks D, D Pan, F, G, H
Project No.: 112IC07483

Soil Block: BLOCK H
Excavation Area: AREA B
Sampled By: Josh Mullis
C.O.C. No.: #2

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Type of Sample:
[X] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date	Time	Sample ID	Description (Sand, Silt, Clay, Moisture, etc.)
5/21/15	0915	H-VB-B-1-2	Clay, dark red moist
5/21/15	0920	H-VB-B-2-2	Sandy Clay, dark red, moist

COMPOSITE SAMPLE DATA:

Date	Time	Sample ID	Description (Sand, Silt, Clay, Moisture, etc.)
5/20/15	1623	H-VS-B-1-1	Sandy Clay composite, moist, tan to red
5/20/15	1626	H-VS-B-2-1	" "
5/21/15	0910	H-VS-B-3-1	" "
5/20/15	1632	H-VS-B-4-1	" "

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH (8270D)	1-4oz glass jar unpres. ea.	YES	

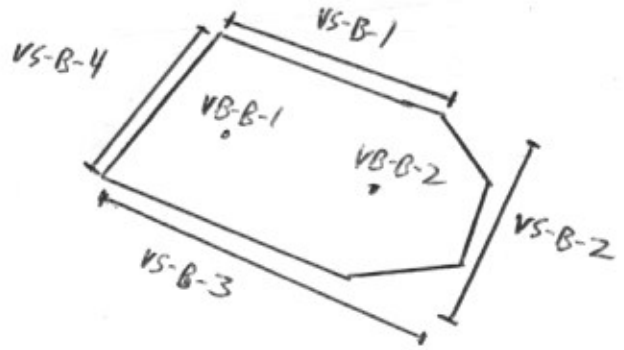
OBSERVATIONS / NOTES:

VS= Sidewall composite

VB= Base grab

MAP:

Block H "AREA B"



Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s):

CHAIN OF CUSTODY FORMS

CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
112IC07483	MAC Sp.1 Remediation (Block H)

SAMPLERS (SIGNATURE): JOSH MULLIS

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CON-TAINERS	PAH (8270D)						REMARKS
	5/20	1408	X		H-US-A-1-1	1	X						★ 3 DAY TAT
		1345	X		H-US-A-2-1	1	X						★ TESTAMERICA
		1347	X		H-US-A-3-1	1	X						NORTH CANTON, OH ★
		1352	X		H-US-A-4-1	1	X						
		1401		X	H-UB-A-1-2	1	X						
		1358		X	H-UB-A-2-2	1	X						
		1356		X	H-UB-A-3-2	1	X						
		—	X		H-DUP01	1	X						
						5/20/15							

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
	5/20 1545				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
112IC07483	MAC Soil Remediation (Block H)

SAMPLERS (SIGNATURE): JOSH MULLIS

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION / SAMPLE ID	NO. OF CONTAINERS	PAH (8270D)							REMARKS
	5/20	1623	X		H-VS-B-1-1	1	X							^ 3 DAY TAT ^
	5/20	1626	X		H-VS-B-2-1	1	X							^ TESTAMERICA
	5/20	1632	X		~~for~~ H-VS-B-4-1	1	X							NORTH CANTON^
	5/21	0910	X	~~X~~	H-VS-B-3-1	1	X							
	5/21	0915		X	H-VB-B-1-2	1	X							
	5/21	0920		X	H-VB-B-2-2	1	X							

5/21/15

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
	5/21 1545				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	

Order No. 70440 (0693)

APPENDIX F—LABORATORY REPORTS

LABORATORY REPORTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-51073-1

Job Description: MRC Soil Remediation (Block H)

For:
Tetra Tech, Inc.
Foster Plaza 7
661 Anderson Drive
Pittsburgh, PA 15220-2745

Attention: Mr. Scott Nesbit



Approved for release.
John McFadden
Project Manager I
5/27/2015 5:07 PM

John McFadden, Project Manager I
4101 Shuffel Street NW, North Canton, OH, 44720
john.mcfadden@testamericainc.com
05/27/2015

cc: Tony Apanavage
Samantha Brenner
Kelly Carper
Tobrena Sedlmyer

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

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CASE NARRATIVE

Client: Tetra Tech, Inc.

Project: MRC Soil Remediation (Block H)

Report Number: 240-51073-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 5/22/2015 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.6º C.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples H-US-A-1-1 (240-51073-1), H-US-A-2-1 (240-51073-2), H-US-A-3-1 (240-51073-3), H-US-A-4-1 (240-51073-4), H-UB-A-1-2 (240-51073-5), H-UB-A-2-2 (240-51073-6), H-UB-A-3-2 (240-51073-7) and H-DUP01 (240-51073-8) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 05/22/2015 and analyzed on 05/26/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS

Samples H-US-A-1-1 (240-51073-1), H-US-A-2-1 (240-51073-2), H-US-A-3-1 (240-51073-3), H-US-A-4-1 (240-51073-4), H-UB-A-1-2 (240-51073-5), H-UB-A-2-2 (240-51073-6), H-UB-A-3-2 (240-51073-7) and H-DUP01 (240-51073-8) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 05/22/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 181541

Lab Sample ID: STD4 240-181541/3 IC Client Sample ID:

Date Analyzed: 05/19/15 16:38 Lab File ID: 50519003.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.21	Poor Chromatography	ulmanm	05/19/15 17:08
4-Chloroaniline	7.57	Poor Chromatography	ulmanm	05/19/15 17:08
2,4-Dinitrophenol	9.05	Poor Chromatography	ulmanm	05/19/15 17:08

Lab Sample ID: STD2 240-181541/5 IC Client Sample ID:

Date Analyzed: 05/19/15 17:28 Lab File ID: 50519005.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.20	Poor Chromatography	ulmanm	05/19/15 17:57
Indeno[1,2,3-cd]pyrene	16.43	Poor Chromatography	ulmanm	05/19/15 17:57

Lab Sample ID: STD1 240-181541/6 IC Client Sample ID:

Date Analyzed: 05/19/15 17:53 Lab File ID: 50519006.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	16.43	Poor Chromatography	ulmanm	05/19/15 18:21
Dibenz(a,h)anthracene	16.44	Poor Chromatography	ulmanm	05/19/15 18:21
Benzo[g,h,i]perylene	17.05	Poor Chromatography	ulmanm	05/19/15 18:21

Lab Sample ID: STD9 240-181541/7 IC Client Sample ID:

Date Analyzed: 05/19/15 18:18 Lab File ID: 50519007.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Chloroaniline	7.57	Poor Chromatography	ulmanm	05/19/15 19:02
Caprolactam	7.86	Poor Chromatography	ulmanm	05/19/15 19:02

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 181541

Lab Sample ID: STD8 240-181541/8 IC Client Sample ID:

Date Analyzed: 05/19/15 18:43 Lab File ID: 50519008.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	7.85	Poor Chromatography	ulmanm	05/19/15 19:10

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 182204

Lab Sample ID: CCV 240-182204/2 CCVIS Client Sample ID:

Date Analyzed: 05/24/15 09:19 Lab File ID: 50524002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.99	Poor Chromatography	ulmanm	05/24/15 10:05

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 182251

Lab Sample ID: CCV 240-182251/2 CCVIS Client Sample ID:

Date Analyzed: 05/26/15 07:52 Lab File ID: 50526002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.94	Poor Chromatography	ulmanm	05/26/15 08:38
Pyridine	3.52	Poor Chromatography	ulmanm	05/26/15 08:38
4-Chloroaniline	7.51	Poor Chromatography	ulmanm	05/26/15 08:38

Lab Sample ID: 240-51073-2 Client Sample ID: H-US-A-2-1

Date Analyzed: 05/26/15 14:33 Lab File ID: 50526018.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	13.72	Poor Chromatography	ulmanm	05/27/15 08:57
Benzo[k]fluoranthene	13.74	Poor Chromatography	ulmanm	05/27/15 08:57
Dibenz(a,h)anthracene	16.17	Poor Chromatography	ulmanm	05/27/15 08:57
Benzo[g,h,i]perylene	16.75	Poor Chromatography	ulmanm	05/27/15 08:57

Lab Sample ID: 240-51073-3 Client Sample ID: H-US-A-3-1

Date Analyzed: 05/26/15 14:58 Lab File ID: 50526019.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	13.75	Poor Chromatography	ulmanm	05/27/15 08:59
Indeno[1,2,3-cd]pyrene	16.16	Poor Chromatography	ulmanm	05/27/15 08:59
Benzo[g,h,i]perylene	16.75	Poor Chromatography	ulmanm	05/27/15 08:59

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 182251

Lab Sample ID: 240-51073-4 Client Sample ID: H-US-A-4-1

Date Analyzed: 05/26/15 15:23 Lab File ID: 50526020.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	13.72	Poor Chromatography	ulmanm	05/27/15 09:00
Benzo[k]fluoranthene	13.74	Poor Chromatography	ulmanm	05/27/15 09:00
Indeno[1,2,3-cd]pyrene	16.16	Poor Chromatography	ulmanm	05/27/15 09:00

Lab Sample ID: 240-51073-7 Client Sample ID: H-UB-A-3-2

Date Analyzed: 05/26/15 16:39 Lab File ID: 50526023.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	13.75	Poor Chromatography	ulmanm	05/27/15 09:02

Lab Sample ID: 240-51073-8 Client Sample ID: H-DUP01

Date Analyzed: 05/26/15 17:04 Lab File ID: 50526024.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	13.72	Poor Chromatography	ulmanm	05/27/15 09:05
Benzo[k]fluoranthene	13.74	Poor Chromatography	ulmanm	05/27/15 09:05
Dibenz(a,h)anthracene	16.15	Poor Chromatography	ulmanm	05/27/15 09:05

SAMPLE SUMMARY

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-51073-1	H-US-A-1-1	Solid	05/20/2015 1408	05/22/2015 0930
240-51073-2	H-US-A-2-1	Solid	05/20/2015 1345	05/22/2015 0930
240-51073-3	H-US-A-3-1	Solid	05/20/2015 1347	05/22/2015 0930
240-51073-4	H-US-A-4-1	Solid	05/20/2015 1352	05/22/2015 0930
240-51073-5	H-UB-A-1-2	Solid	05/20/2015 1401	05/22/2015 0930
240-51073-6	H-UB-A-2-2	Solid	05/20/2015 1358	05/22/2015 0930
240-51073-7	H-UB-A-3-2	Solid	05/20/2015 1356	05/22/2015 0930
240-51073-8FD	H-DUP01	Solid	05/20/2015 0000	05/22/2015 0930

EXECUTIVE SUMMARY - Detections

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-51073-1	**H-US-A-1-1**					
Pyrene		4.6	J	8.0	ug/Kg	8270D
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture
240-51073-2	**H-US-A-2-1**					
Benzo[a]anthracene		21		7.9	ug/Kg	8270D
Benzo[a]pyrene		52		7.9	ug/Kg	8270D
Benzo[b]fluoranthene		39		7.9	ug/Kg	8270D
Benzo[g,h,i]perylene		54		7.9	ug/Kg	8270D
Benzo[k]fluoranthene		33		7.9	ug/Kg	8270D
Chrysene		35		7.9	ug/Kg	8270D
Dibenz(a,h)anthracene		12		7.9	ug/Kg	8270D
Fluoranthene		19		7.9	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		36		7.9	ug/Kg	8270D
Phenanthrene		5.2	J	7.9	ug/Kg	8270D
Pyrene		52		7.9	ug/Kg	8270D
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture
240-51073-3	**H-US-A-3-1**					
Benzo[a]anthracene		17		8.4	ug/Kg	8270D
Benzo[a]pyrene		32		8.4	ug/Kg	8270D
Benzo[b]fluoranthene		33		8.4	ug/Kg	8270D
Benzo[g,h,i]perylene		34		8.4	ug/Kg	8270D
Benzo[k]fluoranthene		14		8.4	ug/Kg	8270D
Chrysene		23		8.4	ug/Kg	8270D
Fluoranthene		15		8.4	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		22		8.4	ug/Kg	8270D
Phenanthrene		7.8	J	8.4	ug/Kg	8270D
Pyrene		39		8.4	ug/Kg	8270D
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-51073-4	**H-US-A-4-1**					
Benzo[a]anthracene		22		8.1	ug/Kg	8270D
Benzo[a]pyrene		34		8.1	ug/Kg	8270D
Benzo[b]fluoranthene		30		8.1	ug/Kg	8270D
Benzo[g,h,i]perylene		32		8.1	ug/Kg	8270D
Benzo[k]fluoranthene		22		8.1	ug/Kg	8270D
Chrysene		33		8.1	ug/Kg	8270D
Fluoranthene		25		8.1	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		23		8.1	ug/Kg	8270D
Phenanthrene		12		8.1	ug/Kg	8270D
Pyrene		58		8.1	ug/Kg	8270D
Percent Solids		82		0.10	%	Moisture
Percent Moisture		18		0.10	%	Moisture
240-51073-5	**H-UB-A-1-2**					
Fluoranthene		4.5	J	7.9	ug/Kg	8270D
Pyrene		6.6	J	7.9	ug/Kg	8270D
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture
240-51073-6	**H-UB-A-2-2**					
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture
240-51073-7	**H-UB-A-3-2**					
Anthracene		14		8.2	ug/Kg	8270D
Benzo[a]anthracene		60		8.2	ug/Kg	8270D
Benzo[a]pyrene		55		8.2	ug/Kg	8270D
Benzo[b]fluoranthene		66		8.2	ug/Kg	8270D
Benzo[g,h,i]perylene		48		8.2	ug/Kg	8270D
Benzo[k]fluoranthene		22		8.2	ug/Kg	8270D
Chrysene		75		8.2	ug/Kg	8270D
Dibenz(a,h)anthracene		11		8.2	ug/Kg	8270D
Fluoranthene		110		8.2	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		36		8.2	ug/Kg	8270D
Phenanthrene		110		8.2	ug/Kg	8270D
Pyrene		160		8.2	ug/Kg	8270D
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-51073-8FD	**H-DUP01**					
Acenaphthylene		4.9	J	7.8	ug/Kg	8270D
Anthracene		10		7.8	ug/Kg	8270D
Benzo[a]anthracene		57		7.8	ug/Kg	8270D
Benzo[a]pyrene		120		7.8	ug/Kg	8270D
Benzo[b]fluoranthene		93		7.8	ug/Kg	8270D
Benzo[g,h,i]perylene		130		7.8	ug/Kg	8270D
Benzo[k]fluoranthene		70		7.8	ug/Kg	8270D
Chrysene		76		7.8	ug/Kg	8270D
Dibenz(a,h)anthracene		22		7.8	ug/Kg	8270D
Fluoranthene		55		7.8	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		89		7.8	ug/Kg	8270D
Phenanthrene		20		7.8	ug/Kg	8270D
Pyrene		140		7.8	ug/Kg	8270D
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture

METHOD SUMMARY

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Organic Compounds (GC/MS)	TAL CAN	SW846 8270D	
Ultrasonic Extraction	TAL CAN		SW846 3550C
Percent Moisture	TAL CAN	EPA Moisture	

Lab References:

TAL CAN = TestAmerica Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Method	Analyst	Analyst ID
SW846 8270D	Ulman, Mark	MRU
EPA Moisture	Eikelberry, Nicholas	NJE

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Client Sample ID: **H-US-A-1-1**

Lab Sample ID: 240-51073-1 Date Sampled: 05/20/2015 1408
Client Matrix: Solid % Moisture: 15.9 Date Received: 05/22/2015 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-182251	Instrument ID:	A4HP9
Prep Method:	3550C	Prep Batch:	240-182098	Lab File ID:	50526017.D
Dilution:	1.0			Initial Weight/Volume:	29.83 g
Analysis Date:	05/26/2015 1408			Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		0.91	U	0.91	8.0
Acenaphthylene		0.42	U	0.42	8.0
Anthracene		0.93	U	0.93	8.0
Benzo[a]anthracene		0.75	U	0.75	8.0
Benzo[a]pyrene		0.77	U	0.77	8.0
Benzo[b]fluoranthene		0.71	U	0.71	8.0
Benzo[g,h,i]perylene		0.42	U	0.42	8.0
Benzo[k]fluoranthene		0.81	U	0.81	8.0
Chrysene		1.3	U	1.3	8.0
Dibenz(a,h)anthracene		0.79	U	0.79	8.0
Fluoranthene		0.66	U	0.66	8.0
Fluorene		0.63	U	0.63	8.0
Indeno[1,2,3-cd]pyrene		0.42	U	0.42	8.0
Naphthalene		0.98	U	0.98	8.0
Phenanthrene		0.87	U	0.87	8.0
Pyrene		4.6	J	0.53	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	74		34 - 110
Phenol-d5 (Surr)	75		28 - 110
Nitrobenzene-d5 (Surr)	70		24 - 110
2-Fluorophenol (Surr)	73		31 - 110
2-Fluorobiphenyl (Surr)	70		27 - 110
2,4,6-Tribromophenol (Surr)	66		19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Client Sample ID: H-US-A-2-1

Lab Sample ID: 240-51073-2 Date Sampled: 05/20/2015 1345
Client Matrix: Solid % Moisture: 14.6 Date Received: 05/22/2015 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-182251	Instrument ID:	A4HP9
Prep Method:	3550C	Prep Batch:	240-182098	Lab File ID:	50526018.D
Dilution:	1.0			Initial Weight/Volume:	29.58 g
Analysis Date:	05/26/2015 1433			Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		0.90	U	0.90	7.9
Acenaphthylene		0.42	U	0.42	7.9
Anthracene		0.93	U	0.93	7.9
Benzo[a]anthracene		21		0.75	7.9
Benzo[a]pyrene		52		0.76	7.9
Benzo[b]fluoranthene		39		0.70	7.9
Benzo[g,h,i]perylene		54		0.42	7.9
Benzo[k]fluoranthene		33		0.81	7.9
Chrysene		35		1.3	7.9
Dibenz(a,h)anthracene		12		0.78	7.9
Fluoranthene		19		0.65	7.9
Fluorene		0.63	U	0.63	7.9
Indeno[1,2,3-cd]pyrene		36		0.42	7.9
Naphthalene		0.97	U	0.97	7.9
Phenanthrene		5.2	J	0.87	7.9
Pyrene		52		0.52	7.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	74		34 - 110
Phenol-d5 (Surr)	76		28 - 110
Nitrobenzene-d5 (Surr)	75		24 - 110
2-Fluorophenol (Surr)	75		31 - 110
2-Fluorobiphenyl (Surr)	74		27 - 110
2,4,6-Tribromophenol (Surr)	67		19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Client Sample ID: H-US-A-3-1

Lab Sample ID: 240-51073-3 Date Sampled: 05/20/2015 1347
Client Matrix: Solid % Moisture: 21.4 Date Received: 05/22/2015 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-182251	Instrument ID:	A4HP9
Prep Method:	3550C	Prep Batch:	240-182098	Lab File ID:	50526019.D
Dilution:	1.0			Initial Weight/Volume:	30.45 g
Analysis Date:	05/26/2015 1458			Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		0.95	U	0.95	8.4
Acenaphthylene		0.44	U	0.44	8.4
Anthracene		0.98	U	0.98	8.4
Benzo[a]anthracene		17		0.79	8.4
Benzo[a]pyrene		32		0.80	8.4
Benzo[b]fluoranthene		33		0.74	8.4
Benzo[g,h,i]perylene		34		0.44	8.4
Benzo[k]fluoranthene		14		0.85	8.4
Chrysene		23		1.4	8.4
Dibenz(a,h)anthracene		0.83	U	0.83	8.4
Fluoranthene		15		0.69	8.4
Fluorene		0.66	U	0.66	8.4
Indeno[1,2,3-cd]pyrene		22		0.44	8.4
Naphthalene		1.0	U	1.0	8.4
Phenanthrene		7.8	J	0.91	8.4
Pyrene		39		0.55	8.4

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	71		34 - 110
Phenol-d5 (Surr)	69		28 - 110
Nitrobenzene-d5 (Surr)	62		24 - 110
2-Fluorophenol (Surr)	67		31 - 110
2-Fluorobiphenyl (Surr)	65		27 - 110
2,4,6-Tribromophenol (Surr)	64		19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Client Sample ID: H-US-A-4-1

Lab Sample ID: 240-51073-4 Date Sampled: 05/20/2015 1352
Client Matrix: Solid % Moisture: 18.5 Date Received: 05/22/2015 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-182251	Instrument ID:	A4HP9
Prep Method:	3550C	Prep Batch:	240-182098	Lab File ID:	50526020.D
Dilution:	1.0			Initial Weight/Volume:	30.21 g
Analysis Date:	05/26/2015 1523			Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		0.93	U	0.93	8.1
Acenaphthylene		0.43	U	0.43	8.1
Anthracene		0.95	U	0.95	8.1
Benzo[a]anthracene		22		0.77	8.1
Benzo[a]pyrene		34		0.78	8.1
Benzo[b]fluoranthene		30		0.72	8.1
Benzo[g,h,i]perylene		32		0.43	8.1
Benzo[k]fluoranthene		22		0.83	8.1
Chrysene		33		1.3	8.1
Dibenz(a,h)anthracene		0.80	U	0.80	8.1
Fluoranthene		25		0.67	8.1
Fluorene		0.65	U	0.65	8.1
Indeno[1,2,3-cd]pyrene		23		0.43	8.1
Naphthalene		1.0	U	1.0	8.1
Phenanthrene		12		0.89	8.1
Pyrene		58		0.54	8.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	73		34 - 110
Phenol-d5 (Surr)	73		28 - 110
Nitrobenzene-d5 (Surr)	68		24 - 110
2-Fluorophenol (Surr)	72		31 - 110
2-Fluorobiphenyl (Surr)	69		27 - 110
2,4,6-Tribromophenol (Surr)	68		19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Client Sample ID: H-UB-A-1-2

Lab Sample ID: 240-51073-5 Date Sampled: 05/20/2015 1401
Client Matrix: Solid % Moisture: 15.3 Date Received: 05/22/2015 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-182251	Instrument ID:	A4HP9
Prep Method:	3550C	Prep Batch:	240-182098	Lab File ID:	50526021.D
Dilution:	1.0			Initial Weight/Volume:	29.96 g
Analysis Date:	05/26/2015 1548			Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		0.90	U	0.90	7.9
Acenaphthylene		0.41	U	0.41	7.9
Anthracene		0.92	U	0.92	7.9
Benzo[a]anthracene		0.75	U	0.75	7.9
Benzo[a]pyrene		0.76	U	0.76	7.9
Benzo[b]fluoranthene		0.70	U	0.70	7.9
Benzo[g,h,i]perylene		0.41	U	0.41	7.9
Benzo[k]fluoranthene		0.80	U	0.80	7.9
Chrysene		1.3	U	1.3	7.9
Dibenz(a,h)anthracene		0.78	U	0.78	7.9
Fluoranthene		4.5	J	0.65	7.9
Fluorene		0.63	U	0.63	7.9
Indeno[1,2,3-cd]pyrene		0.41	U	0.41	7.9
Naphthalene		0.97	U	0.97	7.9
Phenanthrene		0.86	U	0.86	7.9
Pyrene		6.6	J	0.52	7.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	78		34 - 110
Phenol-d5 (Surr)	77		28 - 110
Nitrobenzene-d5 (Surr)	75		24 - 110
2-Fluorophenol (Surr)	77		31 - 110
2-Fluorobiphenyl (Surr)	77		27 - 110
2,4,6-Tribromophenol (Surr)	73		19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Client Sample ID: H-UB-A-2-2

Lab Sample ID: 240-51073-6 Date Sampled: 05/20/2015 1358
Client Matrix: Solid % Moisture: 16.8 Date Received: 05/22/2015 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-182251	Instrument ID:	A4HP9
Prep Method:	3550C	Prep Batch:	240-182098	Lab File ID:	50526022.D
Dilution:	1.0			Initial Weight/Volume:	30.09 g
Analysis Date:	05/26/2015 1614			Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		0.91	U	0.91	8.0
Acenaphthylene		0.42	U	0.42	8.0
Anthracene		0.93	U	0.93	8.0
Benzo[a]anthracene		0.75	U	0.75	8.0
Benzo[a]pyrene		0.77	U	0.77	8.0
Benzo[b]fluoranthene		0.71	U	0.71	8.0
Benzo[g,h,i]perylene		0.42	U	0.42	8.0
Benzo[k]fluoranthene		0.81	U	0.81	8.0
Chrysene		1.3	U	1.3	8.0
Dibenz(a,h)anthracene		0.79	U	0.79	8.0
Fluoranthene		0.66	U	0.66	8.0
Fluorene		0.63	U	0.63	8.0
Indeno[1,2,3-cd]pyrene		0.42	U	0.42	8.0
Naphthalene		0.98	U	0.98	8.0
Phenanthrene		0.87	U	0.87	8.0
Pyrene		0.53	U	0.53	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	76		34 - 110
Phenol-d5 (Surr)	65		28 - 110
Nitrobenzene-d5 (Surr)	61		24 - 110
2-Fluorophenol (Surr)	64		31 - 110
2-Fluorobiphenyl (Surr)	63		27 - 110
2,4,6-Tribromophenol (Surr)	68		19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Client Sample ID: H-UB-A-3-2

Lab Sample ID: 240-51073-7 Date Sampled: 05/20/2015 1356
Client Matrix: Solid % Moisture: 17.3 Date Received: 05/22/2015 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-182251	Instrument ID:	A4HP9
Prep Method:	3550C	Prep Batch:	240-182098	Lab File ID:	50526023.D
Dilution:	1.0			Initial Weight/Volume:	29.67 g
Analysis Date:	05/26/2015 1639			Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		0.93	U	0.93	8.2
Acenaphthylene		0.43	U	0.43	8.2
Anthracene		14		0.95	8.2
Benzo[a]anthracene		60		0.77	8.2
Benzo[a]pyrene		55		0.78	8.2
Benzo[b]fluoranthene		66		0.72	8.2
Benzo[g,h,i]perylene		48		0.43	8.2
Benzo[k]fluoranthene		22		0.83	8.2
Chrysene		75		1.3	8.2
Dibenz(a,h)anthracene		11		0.81	8.2
Fluoranthene		110		0.67	8.2
Fluorene		0.65	U	0.65	8.2
Indeno[1,2,3-cd]pyrene		36		0.43	8.2
Naphthalene		1.0	U	1.0	8.2
Phenanthrene		110		0.89	8.2
Pyrene		160		0.54	8.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	74		34 - 110
Phenol-d5 (Surr)	70		28 - 110
Nitrobenzene-d5 (Surr)	67		24 - 110
2-Fluorophenol (Surr)	69		31 - 110
2-Fluorobiphenyl (Surr)	68		27 - 110
2,4,6-Tribromophenol (Surr)	69		19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Client Sample ID: H-DUP01

Lab Sample ID: 240-51073-8FD Date Sampled: 05/20/2015 0000
Client Matrix: Solid % Moisture: 14.7 Date Received: 05/22/2015 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-182251	Instrument ID:	A4HP9
Prep Method:	3550C	Prep Batch:	240-182098	Lab File ID:	50526024.D
Dilution:	1.0			Initial Weight/Volume:	29.93 g
Analysis Date:	05/26/2015 1704			Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		0.89	U	0.89	7.8
Acenaphthylene		4.9	J	0.41	7.8
Anthracene		10		0.92	7.8
Benzo[a]anthracene		57		0.74	7.8
Benzo[a]pyrene		120		0.75	7.8
Benzo[b]fluoranthene		93		0.69	7.8
Benzo[g,h,i]perylene		130		0.41	7.8
Benzo[k]fluoranthene		70		0.80	7.8
Chrysene		76		1.3	7.8
Dibenz(a,h)anthracene		22		0.78	7.8
Fluoranthene		55		0.65	7.8
Fluorene		0.62	U	0.62	7.8
Indeno[1,2,3-cd]pyrene		89		0.41	7.8
Naphthalene		0.96	U	0.96	7.8
Phenanthrene		20		0.86	7.8
Pyrene		140		0.52	7.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	76		34 - 110
Phenol-d5 (Surr)	73		28 - 110
Nitrobenzene-d5 (Surr)	65		24 - 110
2-Fluorophenol (Surr)	71		31 - 110
2-Fluorobiphenyl (Surr)	66		27 - 110
2,4,6-Tribromophenol (Surr)	68		19 - 110

General Chemistry

Client Sample ID: **H-US-A-1-1**

Lab Sample ID: 240-51073-1 Date Sampled: 05/20/2015 1408
Client Matrix: Solid Date Received: 05/22/2015 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N

General Chemistry

Client Sample ID: **H-US-A-2-1**

Lab Sample ID: 240-51073-2 Date Sampled: 05/20/2015 1345
Client Matrix: Solid Date Received: 05/22/2015 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N

General Chemistry

Client Sample ID: **H-US-A-3-1**

Lab Sample ID: 240-51073-3 Date Sampled: 05/20/2015 1347
Client Matrix: Solid Date Received: 05/22/2015 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N

General Chemistry

Client Sample ID: **H-US-A-4-1**

Lab Sample ID: 240-51073-4 Date Sampled: 05/20/2015 1352
Client Matrix: Solid Date Received: 05/22/2015 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N

General Chemistry

Client Sample ID: **H-UB-A-1-2**

Lab Sample ID: 240-51073-5 Date Sampled: 05/20/2015 1401
Client Matrix: Solid Date Received: 05/22/2015 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N

General Chemistry

Client Sample ID: **H-UB-A-2-2**

Lab Sample ID: 240-51073-6 Date Sampled: 05/20/2015 1358
Client Matrix: Solid Date Received: 05/22/2015 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N

General Chemistry

Client Sample ID: **H-UB-A-3-2**

Lab Sample ID: 240-51073-7 Date Sampled: 05/20/2015 1356
Client Matrix: Solid Date Received: 05/22/2015 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N

General Chemistry

Client Sample ID: **H-DUP01**

Lab Sample ID: 240-51073-8FD
Client Matrix: Solid

Date Sampled: 05/20/2015 0000
Date Received: 05/22/2015 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
240-51073-1	H-US-A-1-1	73	75	70	70	66	74
240-51073-2	H-US-A-2-1	75	76	75	74	67	74
240-51073-3	H-US-A-3-1	67	69	62	65	64	71
240-51073-4	H-US-A-4-1	72	73	68	69	68	73
240-51073-5	H-UB-A-1-2	77	77	75	77	73	78
240-51073-6	H-UB-A-2-2	64	65	61	63	68	76
240-51073-7	H-UB-A-3-2	69	70	67	68	69	74
240-51073-8	H-DUP01	71	73	65	66	68	76
MB 240-182098/17-A		77	78	70	73	59	75
LCS 240-182098/18-A		77	77	77	73	71	75
240-51073-8 MS	H-DUP01 MS	68	68	68	65	64	66
240-51073-8 MSD	H-DUP01 MSD	71	71	69	64	64	70

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	31-110
PHL = Phenol-d5 (Surr)	28-110
NBZ = Nitrobenzene-d5 (Surr)	24-110
FBP = 2-Fluorobiphenyl (Surr)	27-110
TBP = 2,4,6-Tribromophenol (Surr)	19-110
TPH = Terphenyl-d14 (Surr)	34-110

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Method Blank - Batch: 240-182098

Method: 8270D
Preparation: 3550C

Lab Sample ID:	MB 240-182098/17-A	Analysis Batch:	240-182204	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-182098	Lab File ID:	50524018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	05/24/2015 1555	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	0.76	U	0.76	6.7
Acenaphthylene	0.35	U	0.35	6.7
Anthracene	0.78	U	0.78	6.7
Benzo[a]anthracene	0.63	U	0.63	6.7
Benzo[a]pyrene	0.64	U	0.64	6.7
Benzo[b]fluoranthene	0.59	U	0.59	6.7
Benzo[g,h,i]perylene	0.35	U	0.35	6.7
Benzo[k]fluoranthene	0.68	U	0.68	6.7
Chrysene	1.1	U	1.1	6.7
Dibenz(a,h)anthracene	0.66	U	0.66	6.7
Fluoranthene	0.55	U	0.55	6.7
Fluorene	0.53	U	0.53	6.7
Indeno[1,2,3-cd]pyrene	0.35	U	0.35	6.7
Naphthalene	0.82	U	0.82	6.7
Phenanthrene	0.73	U	0.73	6.7
Pyrene	0.44	U	0.44	6.7

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	75	34 - 110
Phenol-d5 (Surr)	78	28 - 110
Nitrobenzene-d5 (Surr)	70	24 - 110
2-Fluorophenol (Surr)	77	31 - 110
2-Fluorobiphenyl (Surr)	73	27 - 110
2,4,6-Tribromophenol (Surr)	59	19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Lab Control Sample - Batch: 240-182098

Method: 8270D
Preparation: 3550C

Lab Sample ID:	LCS 240-182098/18-A	Analysis Batch:	240-182204	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-182098	Lab File ID:	50524019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	05/24/2015 1620	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	477	72	49 - 110	
Acenaphthylene	667	466	70	49 - 110	
Anthracene	667	480	72	48 - 110	
Benzo[a]anthracene	667	491	74	48 - 110	
Benzo[a]pyrene	667	589	88	44 - 110	
Benzo[b]fluoranthene	667	560	84	47 - 110	
Benzo[g,h,i]perylene	667	643	96	50 - 110	
Benzo[k]fluoranthene	667	606	91	38 - 110	
Chrysene	667	528	79	51 - 110	
Dibenz(a,h)anthracene	667	612	92	46 - 110	
Fluoranthene	667	534	80	48 - 110	
Fluorene	667	472	71	51 - 110	
Indeno[1,2,3-cd]pyrene	667	642	96	47 - 110	
Naphthalene	667	479	72	49 - 110	
Phenanthrene	667	483	72	49 - 110	
Pyrene	667	528	79	46 - 110	

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	75	34 - 110
Phenol-d5 (Surr)	77	28 - 110
Nitrobenzene-d5 (Surr)	77	24 - 110
2-Fluorophenol (Surr)	77	31 - 110
2-Fluorobiphenyl (Surr)	73	27 - 110
2,4,6-Tribromophenol (Surr)	71	19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-182098

Method: 8270D
Preparation: 3550C

MS Lab Sample ID:	240-51073-8	Analysis Batch:	240-182251	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-182098	Lab File ID:	50526025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.99 g
Analysis Date:	05/26/2015 1729			Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	240-51073-8	Analysis Batch:	240-182251	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-182098	Lab File ID:	50526026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.47 g
Analysis Date:	05/26/2015 1754			Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	65	66	32 - 110	0	38		
Acenaphthylene	62	64	34 - 110	2	39		
Anthracene	65	67	36 - 110	2	30		
Benzo[a]anthracene	63	68	34 - 110	5	34		
Benzo[a]pyrene	67	70	32 - 110	1	30		
Benzo[b]fluoranthene	68	69	29 - 110	1	36		
Benzo[g,h,i]perylene	76	82	35 - 110	4	30		
Benzo[k]fluoranthene	70	75	34 - 110	4	32		
Chrysene	66	72	36 - 110	7	30		
Dibenz(a,h)anthracene	81	86	37 - 110	4	30		
Fluoranthene	69	73	29 - 110	3	36		
Fluorene	64	65	38 - 110	1	33		
Indeno[1,2,3-cd]pyrene	79	82	36 - 110	2	30		
Naphthalene	63	66	28 - 110	3	50		
Phenanthrene	66	68	35 - 110	1	34		
Pyrene	60	64	31 - 110	4	37		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Terphenyl-d14 (Surr)	66	70	34 - 110
Phenol-d5 (Surr)	68	71	28 - 110
Nitrobenzene-d5 (Surr)	68	69	24 - 110
2-Fluorophenol (Surr)	68	71	31 - 110
2-Fluorobiphenyl (Surr)	65	64	27 - 110
2,4,6-Tribromophenol (Surr)	64	64	19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-182098

Method: 8270D
Preparation: 3550C

MS Lab Sample ID:	240-51073-8	Units:	ug/Kg	MSD Lab Sample ID:	240-51073-8
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/26/2015 1729			Analysis Date:	05/26/2015 1754
Prep Date:	05/22/2015 1231			Prep Date:	05/22/2015 1231
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Acenaphthene	0.89	U	782	770	506	507
Acenaphthylene	4.9	J	782	770	490	501
Anthracene	10		782	770	518	528
Benzo[a]anthracene	57		782	770	548	579
Benzo[a]pyrene	120		782	770	647	656
Benzo[b]fluoranthene	93		782	770	627	621
Benzo[g,h,i]perylene	130		782	770	725	758
Benzo[k]fluoranthene	70		782	770	621	647
Chrysene	76		782	770	589	629
Dibenz(a,h)anthracene	22		782	770	657	684
Fluoranthene	55		782	770	593	614
Fluorene	0.62	U	782	770	504	501
Indeno[1,2,3-cd]pyrene	89		782	770	707	718
Naphthalene	0.96	U	782	770	490	506
Phenanthrene	20		782	770	534	540
Pyrene	140		782	770	611	634

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Duplicate - Batch: 240-182160

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-50885-A-1 DU	Analysis Batch:	240-182160	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/22/2015 1723	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	48	48	0	20	
Percent Moisture	52	52	0	20	

DATA REPORTING QUALIFIERS

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Tetra Tech, Inc. Job Number: 240-51073-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-182098					
LCS 240-182098/18-A	Lab Control Sample	T	Solid	3550C	
MB 240-182098/17-A	Method Blank	T	Solid	3550C	
240-51073-1	H-US-A-1-1	T	Solid	3550C	
240-51073-2	H-US-A-2-1	T	Solid	3550C	
240-51073-3	H-US-A-3-1	T	Solid	3550C	
240-51073-4	H-US-A-4-1	T	Solid	3550C	
240-51073-5	H-UB-A-1-2	T	Solid	3550C	
240-51073-6	H-UB-A-2-2	T	Solid	3550C	
240-51073-7	H-UB-A-3-2	T	Solid	3550C	
240-51073-8FD	H-DUP01	T	Solid	3550C	
240-51073-8MS	Matrix Spike	T	Solid	3550C	
240-51073-8MSD	Matrix Spike Duplicate	T	Solid	3550C	
Analysis Batch:240-182204					
LCS 240-182098/18-A	Lab Control Sample	T	Solid	8270D	240-182098
MB 240-182098/17-A	Method Blank	T	Solid	8270D	240-182098
Analysis Batch:240-182251					
240-51073-1	H-US-A-1-1	T	Solid	8270D	240-182098
240-51073-2	H-US-A-2-1	T	Solid	8270D	240-182098
240-51073-3	H-US-A-3-1	T	Solid	8270D	240-182098
240-51073-4	H-US-A-4-1	T	Solid	8270D	240-182098
240-51073-5	H-UB-A-1-2	T	Solid	8270D	240-182098
240-51073-6	H-UB-A-2-2	T	Solid	8270D	240-182098
240-51073-7	H-UB-A-3-2	T	Solid	8270D	240-182098
240-51073-8FD	H-DUP01	T	Solid	8270D	240-182098
240-51073-8MS	Matrix Spike	T	Solid	8270D	240-182098
240-51073-8MSD	Matrix Spike Duplicate	T	Solid	8270D	240-182098

Report Basis
T = Total

Client: Tetra Tech, Inc. Job Number: 240-51073-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-182160					
240-50885-A-1 DU	Duplicate	T	Solid	Moisture	
240-51073-1	H-US-A-1-1	T	Solid	Moisture	
240-51073-2	H-US-A-2-1	T	Solid	Moisture	
240-51073-3	H-US-A-3-1	T	Solid	Moisture	
240-51073-4	H-US-A-4-1	T	Solid	Moisture	
240-51073-5	H-UB-A-1-2	T	Solid	Moisture	
240-51073-6	H-UB-A-2-2	T	Solid	Moisture	
240-51073-7	H-UB-A-3-2	T	Solid	Moisture	
240-51073-8FD	H-DUP01	T	Solid	Moisture	

Report Basis
T = Total

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Laboratory Chronicle

Lab ID: 240-51073-1 **Client ID: H-US-A-1-1**

Sample Date/Time: 05/20/2015 14:08 Received Date/Time: 05/22/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-51073-B-1-A		240-182251	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	240-51073-B-1-A		240-182251	240-182098	05/26/2015 14:08	1	TAL CAN	MRU
A:Moisture	240-51073-A-1		240-182160		05/22/2015 17:23	1	TAL CAN	NJE

Lab ID: 240-51073-2 **Client ID: H-US-A-2-1**

Sample Date/Time: 05/20/2015 13:45 Received Date/Time: 05/22/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-51073-B-2-A		240-182251	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	240-51073-B-2-A		240-182251	240-182098	05/26/2015 14:33	1	TAL CAN	MRU
A:Moisture	240-51073-A-2		240-182160		05/22/2015 17:23	1	TAL CAN	NJE

Lab ID: 240-51073-3 **Client ID: H-US-A-3-1**

Sample Date/Time: 05/20/2015 13:47 Received Date/Time: 05/22/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-51073-B-3-A		240-182251	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	240-51073-B-3-A		240-182251	240-182098	05/26/2015 14:58	1	TAL CAN	MRU
A:Moisture	240-51073-A-3		240-182160		05/22/2015 17:23	1	TAL CAN	NJE

Lab ID: 240-51073-4 **Client ID: H-US-A-4-1**

Sample Date/Time: 05/20/2015 13:52 Received Date/Time: 05/22/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-51073-B-4-A		240-182251	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	240-51073-B-4-A		240-182251	240-182098	05/26/2015 15:23	1	TAL CAN	MRU
A:Moisture	240-51073-A-4		240-182160		05/22/2015 17:23	1	TAL CAN	NJE

Lab ID: 240-51073-5 **Client ID: H-UB-A-1-2**

Sample Date/Time: 05/20/2015 14:01 Received Date/Time: 05/22/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-51073-B-5-A		240-182251	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	240-51073-B-5-A		240-182251	240-182098	05/26/2015 15:48	1	TAL CAN	MRU
A:Moisture	240-51073-A-5		240-182160		05/22/2015 17:23	1	TAL CAN	NJE

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Laboratory Chronicle

Lab ID: 240-51073-6 **Client ID: H-UB-A-2-2**

Sample Date/Time: 05/20/2015 13:58 Received Date/Time: 05/22/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-51073-B-6-A		240-182251	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	240-51073-B-6-A		240-182251	240-182098	05/26/2015 16:14	1	TAL CAN	MRU
A:Moisture	240-51073-A-6		240-182160		05/22/2015 17:23	1	TAL CAN	NJE

Lab ID: 240-51073-7 **Client ID: H-UB-A-3-2**

Sample Date/Time: 05/20/2015 13:56 Received Date/Time: 05/22/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-51073-B-7-A		240-182251	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	240-51073-B-7-A		240-182251	240-182098	05/26/2015 16:39	1	TAL CAN	MRU
A:Moisture	240-51073-A-7		240-182160		05/22/2015 17:23	1	TAL CAN	NJE

Lab ID: 240-51073-8 **Client ID: H-DUP01**

Sample Date/Time: 05/20/2015 00:00 Received Date/Time: 05/22/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-51073-B-8-A		240-182251	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	240-51073-B-8-A		240-182251	240-182098	05/26/2015 17:04	1	TAL CAN	MRU
A:Moisture	240-51073-A-8		240-182160		05/22/2015 17:23	1	TAL CAN	NJE

Lab ID: 240-51073-8 MS **Client ID: H-DUP01**

Sample Date/Time: 05/20/2015 00:00 Received Date/Time: 05/22/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-51073-B-8-B MS		240-182251	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	240-51073-B-8-B MS		240-182251	240-182098	05/26/2015 17:29	1	TAL CAN	MRU

Lab ID: 240-51073-8 MSD **Client ID: H-DUP01**

Sample Date/Time: 05/20/2015 00:00 Received Date/Time: 05/22/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-51073-B-8-C MSD		240-182251	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	240-51073-B-8-C MSD		240-182251	240-182098	05/26/2015 17:54	1	TAL CAN	MRU

Client: Tetra Tech, Inc. Job Number: 240-51073-1

Laboratory Chronicle

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	MB 240-182098/17-A		240-182204	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	MB 240-182098/17-A		240-182204	240-182098	05/24/2015 15:55	1	TAL CAN	MRU

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	LCS 240-182098/18-A		240-182204	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	LCS 240-182098/18-A		240-182204	240-182098	05/24/2015 16:20	1	TAL CAN	MRU

Lab ID: DU **Client ID: N/A**

Sample Date/Time: 05/18/2015 10:15 Received Date/Time: 05/19/2015 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-50885-A-1 DU		240-182160		05/22/2015 17:23	1	TAL CAN	NJE

Lab References:
TAL CAN = TestAmerica Canton

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
exBENZALDEHYD_00022	06/10/16	05/14/15	MEOH, Lot 0000085233	200 mL	EXLIST1_S11_00001	4 mL	Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
.EXLIST1_S11_00001	08/31/16		Restek, Lot A0108989		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
EXBNASPIKE_00042	06/10/16	05/11/15	MEOH, Lot 0000085233	200 mL	EXLIST1_S1_00001	4 mL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Methylphenol	10 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Hexadecane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
					EXLIST1_S10_00001	4 mL	Benzoic acid	40 ug/mL
							Indene	40 ug/mL
					EXLIST1_S9_00001	4 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
.EXLIST1_S1_00001	09/30/16		Restek, Lot A0109703		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	500 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	500 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added	Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.EXLIST1_S10_00001	08/31/16		Restek, Lot A0108988		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
.EXLIST1_S9_00001	07/31/16		Restek, Lot A0108709		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
EXBNASURR W_00022	06/10/16	04/18/15	MEOH, Lot 85233	2000 mL	SMLIST1 SURR_00003	8 mL	2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L1 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1PAH ST_00004	2 uL	1,1'-Biphenyl	0.1 ug/mL
							1-Methylnaphthalene	0.1 ug/mL
							2-Chloronaphthalene	0.1 ug/mL
							2-Methylnaphthalene	0.1 ug/mL
							Acenaphthene	0.1 ug/mL
							Acenaphthylene	0.1 ug/mL
							Anthracene	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[g,h,i]perylene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Chrysene	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Dibenzofuran	0.1 ug/mL
							Fluoranthene	0.1 ug/mL
							Fluorene	0.1 ug/mL
							Hexachlorobenzene	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Phenanthrene	0.1 ug/mL
							Pyrene	0.1 ug/mL
							2-Fluorobiphenyl (Surr)	0.1 ug/mL
							Nitrobenzene-d5 (Surr)	0.1 ug/mL
							Terphenyl-d14 (Surr)	0.1 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1PAH ST_00004	05/31/16	01/26/15	MECL2, Lot 0000093871	3 mL	SMLIST1 PAH_00004	300 uL	1,1'-Biphenyl	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Chrysene	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SMLIST1 SURR_00003	60 uL	2-Fluorobiphenyl (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 PAH_00004	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L2 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	10 uL	1,1'-Biphenyl	0.5 ug/mL
							1,2,4,5-Tetrachlorobenzene	0.5 ug/mL
							1,2,4-Trichlorobenzene	0.5 ug/mL
							1,2-Dichlorobenzene	0.5 ug/mL
							1,2-Diphenylhydrazine	0.5 ug/mL
							1,3-Dichlorobenzene	0.5 ug/mL
							1,3-Dinitrobenzene	0.5 ug/mL
							1,4-Dichlorobenzene	0.5 ug/mL
							1,4-Dioxane	0.5 ug/mL
							1-Methylnaphthalene	0.5 ug/mL
							2,2'-oxybis[1-chloropropane]	0.5 ug/mL
							2,3,4,6-Tetrachlorophenol	0.5 ug/mL
							2,4,5-Trichlorophenol	0.5 ug/mL
							2,4,6-Trichlorophenol	0.5 ug/mL
							2,4-Dichlorophenol	0.5 ug/mL
							2,4-Dimethylphenol	0.5 ug/mL
							2,4-Dinitrophenol	1 ug/mL
							2,4-Dinitrotoluene	0.5 ug/mL
							2,6-Dichlorophenol	0.5 ug/mL
							2,6-Dinitrotoluene	0.5 ug/mL
							2-Chloronaphthalene	0.5 ug/mL
							2-Chlorophenol	0.5 ug/mL
							2-Methylnaphthalene	0.5 ug/mL
							2-Methylphenol	0.5 ug/mL
							2-Nitroaniline	0.5 ug/mL
							2-Nitrophenol	0.5 ug/mL
							3 & 4 Methylphenol	0.5 ug/mL
							3-Nitroaniline	0.5 ug/mL
							4,6-Dinitro-2-methylphenol	1 ug/mL
							4-Bromophenyl phenyl ether	0.5 ug/mL
							4-Chloro-3-methylphenol	0.5 ug/mL
							4-Chloroaniline	0.5 ug/mL
							4-Chlorophenyl phenyl ether	0.5 ug/mL
							4-Nitroaniline	0.5 ug/mL
							4-Nitrophenol	1 ug/mL
							Acenaphthene	0.5 ug/mL
							Acenaphthylene	0.5 ug/mL
							Acetophenone	0.5 ug/mL
							Aniline	0.5 ug/mL
							Anthracene	0.5 ug/mL
							Azobenzene	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	0.5 ug/mL
							Bis(2-chloroethoxy)methane	0.5 ug/mL
							Bis(2-chloroethyl)ether	0.5 ug/mL
							Bis(2-ethylhexyl) phthalate	0.5 ug/mL
							Butyl benzyl phthalate	0.5 ug/mL
							Carbazole	0.5 ug/mL
							Chrysene	0.5 ug/mL
							Di-n-butyl phthalate	0.5 ug/mL
							Di-n-octyl phthalate	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Dibenzofuran	0.5 ug/mL
							Diethyl phthalate	0.5 ug/mL
							Dimethyl phthalate	0.5 ug/mL
							Fluoranthene	0.5 ug/mL
							Fluorene	0.5 ug/mL
							Hexachlorobenzene	0.5 ug/mL
							Hexachlorobutadiene	0.5 ug/mL
							Hexachlorocyclopentadiene	0.5 ug/mL
							Hexachloroethane	0.5 ug/mL
							Hexadecane	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							Isophorone	0.5 ug/mL
							n-Decane	0.5 ug/mL
							N-Nitrosodi-n-propylamine	0.5 ug/mL
							N-Nitrosodimethylamine	0.5 ug/mL
							N-Nitrosodiphenylamine	1 ug/mL
							n-Octadecane	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Nitrobenzene	0.5 ug/mL
							Pentachlorophenol	1 ug/mL
							Phenanthrene	0.5 ug/mL
							Phenol	0.5 ug/mL
							Pyrene	0.5 ug/mL
							Pyridine	0.5 ug/mL
							Benzoic acid	1 ug/mL
							Indene	1 ug/mL
							Atrazine	1 ug/mL
							Benzaldehyde	1 ug/mL
							Caprolactam	1 ug/mL
							3,3'-Dichlorobenzidine	1 ug/mL
							Benzidine	1 ug/mL
							2,4,6-Tribromophenol (Surr)	0.5 ug/mL
							2-Fluorobiphenyl (Surr)	0.5 ug/mL
							2-Fluorophenol (Surr)	0.5 ug/mL
							Nitrobenzene-d5 (Surr)	0.5 ug/mL
							Phenol-d5 (Surr)	0.5 ug/mL
							Terphenyl-d14 (Surr)	0.5 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L3 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	20 uL	1,1'-Biphenyl	1 ug/mL
							1,2,4,5-Tetrachlorobenzene	1 ug/mL
							1,2,4-Trichlorobenzene	1 ug/mL
							1,2-Dichlorobenzene	1 ug/mL
							1,2-Diphenylhydrazine	1 ug/mL
							1,3-Dichlorobenzene	1 ug/mL
							1,3-Dinitrobenzene	1 ug/mL
							1,4-Dichlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2,2'-oxybis[1-chloropropane]	1 ug/mL
							2,3,4,6-Tetrachlorophenol	1 ug/mL
							2,4,5-Trichlorophenol	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dichlorophenol	1 ug/mL
							2,4-Dimethylphenol	1 ug/mL
							2,4-Dinitrophenol	2 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dichlorophenol	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Chloronaphthalene	1 ug/mL
							2-Chlorophenol	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							2-Methylphenol	1 ug/mL
							2-Nitroaniline	1 ug/mL
							2-Nitrophenol	1 ug/mL
							3 & 4 Methylphenol	1 ug/mL
							3-Nitroaniline	1 ug/mL
							4,6-Dinitro-2-methylphenol	2 ug/mL
							4-Bromophenyl phenyl ether	1 ug/mL
							4-Chloro-3-methylphenol	1 ug/mL
							4-Chloroaniline	1 ug/mL
							4-Chlorophenyl phenyl ether	1 ug/mL
							4-Nitroaniline	1 ug/mL
							4-Nitrophenol	2 ug/mL
							Acenaphthene	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	1 ug/mL
							Acetophenone	1 ug/mL
							Aniline	1 ug/mL
							Anthracene	1 ug/mL
							Azobenzene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Benzyl alcohol	1 ug/mL
							Bis(2-chloroethoxy)methane	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Butyl benzyl phthalate	1 ug/mL
							Carbazole	1 ug/mL
							Chrysene	1 ug/mL
							Di-n-butyl phthalate	1 ug/mL
							Di-n-octyl phthalate	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Dibenzofuran	1 ug/mL
							Diethyl phthalate	1 ug/mL
							Dimethyl phthalate	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachlorocyclopentadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Hexadecane	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							n-Decane	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							N-Nitrosodimethylamine	1 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
							n-Octadecane	1 ug/mL
							Naphthalene	1 ug/mL
							Nitrobenzene	1 ug/mL
							Pentachlorophenol	2 ug/mL
							Phenanthrene	1 ug/mL
							Phenol	1 ug/mL
							Pyrene	1 ug/mL
							Pyridine	1 ug/mL
							Benzoic acid	2 ug/mL
							Indene	2 ug/mL
							Atrazine	2 ug/mL
							Benzaldehyde	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	2 ug/mL
							3,3'-Dichlorobenzidine	2 ug/mL
							Benzidine	2 ug/mL
							2,4,6-Tribromophenol (Surr)	1 ug/mL
							2-Fluorobiphenyl (Surr)	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L4 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	40 uL	1,1'-Biphenyl	2 ug/mL
							1,2,4,5-Tetrachlorobenzene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Diphenylhydrazine	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							1,3-Dinitrobenzene	2 ug/mL
							1,4-Dichlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							2,2'-oxybis[1-chloropropane]	2 ug/mL
							2,3,4,6-Tetrachlorophenol	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL
							2,4-Dinitrophenol	4 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dichlorophenol	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Chlorophenol	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							2-Methylphenol	2 ug/mL
							2-Nitroaniline	2 ug/mL
							2-Nitrophenol	2 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	2 ug/mL
							3-Nitroaniline	2 ug/mL
							4,6-Dinitro-2-methylphenol	4 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Chloroaniline	2 ug/mL
							4-Chlorophenyl phenyl ether	2 ug/mL
							4-Nitroaniline	2 ug/mL
							4-Nitrophenol	4 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Acetophenone	2 ug/mL
							Aniline	2 ug/mL
							Anthracene	2 ug/mL
							Azobenzene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Benzyl alcohol	2 ug/mL
							Bis(2-chloroethoxy)methane	2 ug/mL
							Bis(2-chloroethyl)ether	2 ug/mL
							Bis(2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Hexadecane	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							n-Decane	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							N-Nitrosodimethylamine	2 ug/mL
							N-Nitrosodiphenylamine	4 ug/mL
							n-Octadecane	2 ug/mL
							Naphthalene	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	2 ug/mL
							Pentachlorophenol	4 ug/mL
							Phenanthrene	2 ug/mL
							Phenol	2 ug/mL
							Pyrene	2 ug/mL
							Pyridine	2 ug/mL
							Benzoic acid	4 ug/mL
							Indene	4 ug/mL
							Atrazine	4 ug/mL
							Benzaldehyde	4 ug/mL
							Caprolactam	4 ug/mL
							3,3'-Dichlorobenzidine	4 ug/mL
							Benzidine	4 ug/mL
							2,4,6-Tribromophenol (Surr)	2 ug/mL
							2-Fluorobiphenyl (Surr)	2 ug/mL
							2-Fluorophenol (Surr)	2 ug/mL
							Nitrobenzene-d5 (Surr)	2 ug/mL
							Phenol-d5 (Surr)	2 ug/mL
							Terphenyl-d14 (Surr)	2 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L5 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	100 uL	1,1'-Biphenyl	5 ug/mL
							1,2,4,5-Tetrachlorobenzene	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							1,3-Dinitrobenzene	5 ug/mL
							1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2,2'-oxybis[1-chloropropane]	5 ug/mL
							2,3,4,6-Tetrachlorophenol	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	10 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dichlorophenol	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							2-Methylphenol	5 ug/mL
							2-Nitroaniline	5 ug/mL
							2-Nitrophenol	5 ug/mL
							3 & 4 Methylphenol	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Chloroaniline	5 ug/mL
							4-Chlorophenyl phenyl ether	5 ug/mL
							4-Nitroaniline	5 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Acetophenone	5 ug/mL
							Aniline	5 ug/mL
							Anthracene	5 ug/mL
							Azobenzene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Benzyl alcohol	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL
							Bis(2-chloroethyl)ether	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL
							Di-n-octyl phthalate	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	5 ug/mL
							Hexadecane	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							n-Decane	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							n-Octadecane	5 ug/mL
							Naphthalene	5 ug/mL
							Nitrobenzene	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenanthrene	5 ug/mL
							Phenol	5 ug/mL
							Pyrene	5 ug/mL
							Pyridine	5 ug/mL
							Benzoic acid	10 ug/mL
							Indene	10 ug/mL
							Atrazine	10 ug/mL
							Benzaldehyde	10 ug/mL
							Caprolactam	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL
							2,4,6-Tribromophenol (Surr)	5 ug/mL
							2-Fluorobiphenyl (Surr)	5 ug/mL
							2-Fluorophenol (Surr)	5 ug/mL
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL
							Terphenyl-d14 (Surr)	5 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L6 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	200 uL	1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Hexadecane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							n-Decane	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							n-Octadecane	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	10 ug/mL
							Benzoic acid	20 ug/mL
							Indene	20 ug/mL
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Benzidine	20 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L7 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	300 uL	1,1'-Biphenyl	15 ug/mL
							1,2,4,5-Tetrachlorobenzene	15 ug/mL
							1,2,4-Trichlorobenzene	15 ug/mL
							1,2-Dichlorobenzene	15 ug/mL
							1,2-Diphenylhydrazine	15 ug/mL
							1,3-Dichlorobenzene	15 ug/mL
							1,3-Dinitrobenzene	15 ug/mL
							1,4-Dichlorobenzene	15 ug/mL
							1,4-Dioxane	15 ug/mL
							1-Methylnaphthalene	15 ug/mL
							2,2'-oxybis[1-chloropropane]	15 ug/mL
							2,3,4,6-Tetrachlorophenol	15 ug/mL
							2,4,5-Trichlorophenol	15 ug/mL
							2,4,6-Trichlorophenol	15 ug/mL
							2,4-Dichlorophenol	15 ug/mL
							2,4-Dimethylphenol	15 ug/mL
							2,4-Dinitrophenol	30 ug/mL
							2,4-Dinitrotoluene	15 ug/mL
							2,6-Dichlorophenol	15 ug/mL
							2,6-Dinitrotoluene	15 ug/mL
							2-Chloronaphthalene	15 ug/mL
							2-Chlorophenol	15 ug/mL
							2-Methylnaphthalene	15 ug/mL
							2-Methylphenol	15 ug/mL
							2-Nitroaniline	15 ug/mL
							2-Nitrophenol	15 ug/mL
							3 & 4 Methylphenol	15 ug/mL
							3-Nitroaniline	15 ug/mL
							4,6-Dinitro-2-methylphenol	30 ug/mL
							4-Bromophenyl phenyl ether	15 ug/mL
							4-Chloro-3-methylphenol	15 ug/mL
							4-Chloroaniline	15 ug/mL
							4-Chlorophenyl phenyl ether	15 ug/mL
							4-Nitroaniline	15 ug/mL
							4-Nitrophenol	30 ug/mL
							Acenaphthene	15 ug/mL
							Acenaphthylene	15 ug/mL
							Acetophenone	15 ug/mL
							Aniline	15 ug/mL
							Anthracene	15 ug/mL
							Azobenzene	15 ug/mL
							Benzo[a]anthracene	15 ug/mL
							Benzo[a]pyrene	15 ug/mL
							Benzo[b]fluoranthene	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	15 ug/mL
							Benzo[k]fluoranthene	15 ug/mL
							Benzyl alcohol	15 ug/mL
							Bis(2-chloroethoxy)methane	15 ug/mL
							Bis(2-chloroethyl)ether	15 ug/mL
							Bis(2-ethylhexyl) phthalate	15 ug/mL
							Butyl benzyl phthalate	15 ug/mL
							Carbazole	15 ug/mL
							Chrysene	15 ug/mL
							Di-n-butyl phthalate	15 ug/mL
							Di-n-octyl phthalate	15 ug/mL
							Dibenz(a,h)anthracene	15 ug/mL
							Dibenzofuran	15 ug/mL
							Diethyl phthalate	15 ug/mL
							Dimethyl phthalate	15 ug/mL
							Fluoranthene	15 ug/mL
							Fluorene	15 ug/mL
							Hexachlorobenzene	15 ug/mL
							Hexachlorobutadiene	15 ug/mL
							Hexachlorocyclopentadiene	15 ug/mL
							Hexachloroethane	15 ug/mL
							Hexadecane	15 ug/mL
							Indeno[1,2,3-cd]pyrene	15 ug/mL
							Isophorone	15 ug/mL
							n-Decane	15 ug/mL
							N-Nitrosodi-n-propylamine	15 ug/mL
							N-Nitrosodimethylamine	15 ug/mL
							N-Nitrosodiphenylamine	30 ug/mL
							n-Octadecane	15 ug/mL
							Naphthalene	15 ug/mL
							Nitrobenzene	15 ug/mL
							Pentachlorophenol	30 ug/mL
							Phenanthrene	15 ug/mL
							Phenol	15 ug/mL
							Pyrene	15 ug/mL
							Pyridine	15 ug/mL
							Benzoic acid	30 ug/mL
							Indene	30 ug/mL
							Atrazine	30 ug/mL
							Benzaldehyde	30 ug/mL
							Caprolactam	30 ug/mL
							3,3'-Dichlorobenzidine	30 ug/mL
							Benzidine	30 ug/mL
							2,4,6-Tribromophenol (Surr)	15 ug/mL
							2-Fluorobiphenyl (Surr)	15 ug/mL
							2-Fluorophenol (Surr)	15 ug/mL
							Nitrobenzene-d5 (Surr)	15 ug/mL
							Phenol-d5 (Surr)	15 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14 (Surr)	15 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L8 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	400 uL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Nitroaniline	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Hexadecane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
							Benzoic acid	40 ug/mL
							Indene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
							3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
							2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L9 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	500 uL	1,1'-Biphenyl	25 ug/mL
							1,2,4,5-Tetrachlorobenzene	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Diphenylhydrazine	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,3-Dinitrobenzene	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							1,4-Dioxane	25 ug/mL
							1-Methylnaphthalene	25 ug/mL
							2,2'-oxybis[1-chloropropane]	25 ug/mL
							2,3,4,6-Tetrachlorophenol	25 ug/mL
							2,4,5-Trichlorophenol	25 ug/mL
							2,4,6-Trichlorophenol	25 ug/mL
							2,4-Dichlorophenol	25 ug/mL
							2,4-Dimethylphenol	25 ug/mL
							2,4-Dinitrophenol	50 ug/mL
							2,4-Dinitrotoluene	25 ug/mL
							2,6-Dichlorophenol	25 ug/mL
							2,6-Dinitrotoluene	25 ug/mL
							2-Chloronaphthalene	25 ug/mL
							2-Chlorophenol	25 ug/mL
							2-Methylnaphthalene	25 ug/mL
							2-Methylphenol	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	25 ug/mL
							2-Nitrophenol	25 ug/mL
							3 & 4 Methylphenol	25 ug/mL
							3-Nitroaniline	25 ug/mL
							4,6-Dinitro-2-methylphenol	50 ug/mL
							4-Bromophenyl phenyl ether	25 ug/mL
							4-Chloro-3-methylphenol	25 ug/mL
							4-Chloroaniline	25 ug/mL
							4-Chlorophenyl phenyl ether	25 ug/mL
							4-Nitroaniline	25 ug/mL
							4-Nitrophenol	50 ug/mL
							Acenaphthene	25 ug/mL
							Acenaphthylene	25 ug/mL
							Acetophenone	25 ug/mL
							Aniline	25 ug/mL
							Anthracene	25 ug/mL
							Azobenzene	25 ug/mL
							Benzo[a]anthracene	25 ug/mL
							Benzo[a]pyrene	25 ug/mL
							Benzo[b]fluoranthene	25 ug/mL
							Benzo[g,h,i]perylene	25 ug/mL
							Benzo[k]fluoranthene	25 ug/mL
							Benzyl alcohol	25 ug/mL
							Bis(2-chloroethoxy)methane	25 ug/mL
							Bis(2-chloroethyl)ether	25 ug/mL
							Bis(2-ethylhexyl) phthalate	25 ug/mL
							Butyl benzyl phthalate	25 ug/mL
							Carbazole	25 ug/mL
							Chrysene	25 ug/mL
							Di-n-butyl phthalate	25 ug/mL
							Di-n-octyl phthalate	25 ug/mL
							Dibenz(a,h)anthracene	25 ug/mL
							Dibenzofuran	25 ug/mL
							Diethyl phthalate	25 ug/mL
							Dimethyl phthalate	25 ug/mL
							Fluoranthene	25 ug/mL
							Fluorene	25 ug/mL
							Hexachlorobenzene	25 ug/mL
							Hexachlorobutadiene	25 ug/mL
							Hexachlorocyclopentadiene	25 ug/mL
							Hexachloroethane	25 ug/mL
							Hexadecane	25 ug/mL
							Indeno[1,2,3-cd]pyrene	25 ug/mL
							Isophorone	25 ug/mL
							n-Decane	25 ug/mL
							N-Nitrosodi-n-propylamine	25 ug/mL
							N-Nitrosodimethylamine	25 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Octadecane	25 ug/mL
							Naphthalene	25 ug/mL
							Nitrobenzene	25 ug/mL
							Pentachlorophenol	50 ug/mL
							Phenanthrene	25 ug/mL
							Phenol	25 ug/mL
							Pyrene	25 ug/mL
							Pyridine	25 ug/mL
							Benzoic acid	50 ug/mL
							Indene	50 ug/mL
							Atrazine	50 ug/mL
							Benzaldehyde	50 ug/mL
							Caprolactam	50 ug/mL
							3,3'-Dichlorobenzidine	50 ug/mL
							Benzidine	50 ug/mL
							2,4,6-Tribromophenol (Surr)	25 ug/mL
							2-Fluorobiphenyl (Surr)	25 ug/mL
							2-Fluorophenol (Surr)	25 ug/mL
							Nitrobenzene-d5 (Surr)	25 ug/mL
							Phenol-d5 (Surr)	25 ug/mL
							Terphenyl-d14 (Surr)	25 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 SS W_00004	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMLIST1 SS ST_00004	200 uL	Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Chrysene	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Naphthalene	10 ug/mL
							Phenanthrene	10 ug/mL
							Pyrene	10 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMLIST1 SS ST_00004	06/30/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 SS S1_00004	1 mL	Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Chrysene	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SMLIST1SS SUR_00002	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 SS S1_00004	06/30/16		Restek, Lot A0107697		(Purchased Reagent)		Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..SMLIST1SS SUR_00002	09/30/18		Restek, Lot A092712		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL

Certification Summary

Client: Tetra Tech, Inc. TestAmerica Job ID: 240-51073-1
Project/Site: MRC Soil Remediation (Block H)

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	State Program	9	2927
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAP	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAP	5	200004
TestAmerica Canton	Kansas	NELAP	7	E-10336
TestAmerica Canton	Kentucky (UST)	State Program	4	58
TestAmerica Canton	Kentucky (WW)	State Program	4	98016
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAP	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAP	2	OH001
TestAmerica Canton	New York	NELAP	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Oregon	NELAP	10	4062
TestAmerica Canton	Pennsylvania	NELAP	3	68-00340
TestAmerica Canton	Texas	NELAP	6	
TestAmerica Canton	USDA	Federal		P330-13-00319
TestAmerica Canton	Virginia	NELAP	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	West Virginia DEP	State Program	3	210
TestAmerica Canton	Wisconsin	State Program	5	999518190

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8270D

Semivolatile Organic Compounds (GC/MS) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5SILMS ID: 0.45(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
H-US-A-1-1	240-51073-1	73	75	70	70	66	74
H-US-A-2-1	240-51073-2	75	76	75	74	67	74
H-US-A-3-1	240-51073-3	67	69	62	65	64	71
H-US-A-4-1	240-51073-4	72	73	68	69	68	73
H-UB-A-1-2	240-51073-5	77	77	75	77	73	78
H-UB-A-2-2	240-51073-6	64	65	61	63	68	76
H-UB-A-3-2	240-51073-7	69	70	67	68	69	74
H-DUP01	240-51073-8	71	73	65	66	68	76
	MB 240-182098/17-A	77	78	70	73	59	75
	LCS 240-182098/18-A	77	77	77	73	71	75
H-DUP01 MS	240-51073-8 MS	68	68	68	65	64	66
H-DUP01 MSD	240-51073-8 MSD	71	71	69	64	64	70

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	31-110
PHL = Phenol-d5 (Surr)	28-110
NBZ = Nitrobenzene-d5 (Surr)	24-110
FBP = 2-Fluorobiphenyl (Surr)	27-110
TBP = 2,4,6-Tribromophenol (Surr)	19-110
TPH = Terphenyl-d14 (Surr)	34-110

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 50524019.D

Lab ID: LCS 240-182098/18-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	667	477	72	49-110	
Acenaphthylene	667	466	70	49-110	
Anthracene	667	480	72	48-110	
Benzo[a]anthracene	667	491	74	48-110	
Benzo[a]pyrene	667	589	88	44-110	
Benzo[b]fluoranthene	667	560	84	47-110	
Benzo[g,h,i]perylene	667	643	96	50-110	
Benzo[k]fluoranthene	667	606	91	38-110	
Chrysene	667	528	79	51-110	
Dibenz(a,h)anthracene	667	612	92	46-110	
Fluoranthene	667	534	80	48-110	
Fluorene	667	472	71	51-110	
Indeno[1,2,3-cd]pyrene	667	642	96	47-110	
Naphthalene	667	479	72	49-110	
Phenanthrene	667	483	72	49-110	
Pyrene	667	528	79	46-110	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 50526025.D

Lab ID: 240-51073-8 MS Client ID: H-DUP01 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	782	0.89 U	506	65	32-110	
Acenaphthylene	782	4.9 J	490	62	34-110	
Anthracene	782	10	518	65	36-110	
Benzo[a]anthracene	782	57	548	63	34-110	
Benzo[a]pyrene	782	120	647	67	32-110	
Benzo[b]fluoranthene	782	93	627	68	29-110	
Benzo[g,h,i]perylene	782	130	725	76	35-110	
Benzo[k]fluoranthene	782	70	621	70	34-110	
Chrysene	782	76	589	66	36-110	
Dibenz(a,h)anthracene	782	22	657	81	37-110	
Fluoranthene	782	55	593	69	29-110	
Fluorene	782	0.62 U	504	64	38-110	
Indeno[1,2,3-cd]pyrene	782	89	707	79	36-110	
Naphthalene	782	0.96 U	490	63	28-110	
Phenanthrene	782	20	534	66	35-110	
Pyrene	782	140	611	60	31-110	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 50526026.D

Lab ID: 240-51073-8 MSD Client ID: H-DUP01 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	770	507	66	0	38	32-110	
Acenaphthylene	770	501	64	2	39	34-110	
Anthracene	770	528	67	2	30	36-110	
Benzo[a]anthracene	770	579	68	5	34	34-110	
Benzo[a]pyrene	770	656	70	1	30	32-110	
Benzo[b]fluoranthene	770	621	69	1	36	29-110	
Benzo[g,h,i]perylene	770	758	82	4	30	35-110	
Benzo[k]fluoranthene	770	647	75	4	32	34-110	
Chrysene	770	629	72	7	30	36-110	
Dibenz(a,h)anthracene	770	684	86	4	30	37-110	
Fluoranthene	770	614	73	3	36	29-110	
Fluorene	770	501	65	1	33	38-110	
Indeno[1,2,3-cd]pyrene	770	718	82	2	30	36-110	
Naphthalene	770	506	66	3	50	28-110	
Phenanthrene	770	540	68	1	34	35-110	
Pyrene	770	634	64	4	37	31-110	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Lab File ID: 50524018.D Lab Sample ID: MB 240-182098/17-A

Matrix: Solid Date Extracted: 05/22/2015 12:31

Instrument ID: A4HP9 Date Analyzed: 05/24/2015 15:55

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-182098/18-A	50524019.D	05/24/2015 16:20
H-US-A-1-1	240-51073-1	50526017.D	05/26/2015 14:08
H-US-A-2-1	240-51073-2	50526018.D	05/26/2015 14:33
H-US-A-3-1	240-51073-3	50526019.D	05/26/2015 14:58
H-US-A-4-1	240-51073-4	50526020.D	05/26/2015 15:23
H-UB-A-1-2	240-51073-5	50526021.D	05/26/2015 15:48
H-UB-A-2-2	240-51073-6	50526022.D	05/26/2015 16:14
H-UB-A-3-2	240-51073-7	50526023.D	05/26/2015 16:39
H-DUP01	240-51073-8	50526024.D	05/26/2015 17:04
H-DUP01 MS	240-51073-8 MS	50526025.D	05/26/2015 17:29
H-DUP01 MSD	240-51073-8 MSD	50526026.D	05/26/2015 17:54

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Lab File ID: 50519001.D DFTPP Injection Date: 05/19/2015

Instrument ID: A4HP9 DFTPP Injection Time: 15:52

Analysis Batch No.: 181541

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	50.2	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	49.8	
70	Less than 2.0% of mass 69	0.1	(0.2)1
127	25.0 - 75.0% of mass 198	52.5	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.5	
275	10.0- 30.0% of mass 198	17.1	
365	Greater than 0.75% of mass 198	1.7	
441	Present, but less than mass 443	10.5	
442	40.0 - 110.0% of mass 198	62.4	
443	15.0 - 24.0% of mass 442	12.0	(19.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 240-181541/2	50519002.D	05/19/2015	16:13
	STD4 240-181541/3	50519003.D	05/19/2015	16:38
	STD3 240-181541/4	50519004.D	05/19/2015	17:03
	STD2 240-181541/5	50519005.D	05/19/2015	17:28
	STD1 240-181541/6	50519006.D	05/19/2015	17:53
	STD9 240-181541/7	50519007.D	05/19/2015	18:18
	STD8 240-181541/8	50519008.D	05/19/2015	18:43
	STD7 240-181541/9	50519009.D	05/19/2015	19:08
	STD6 240-181541/10	50519010.D	05/19/2015	19:33
	ICV 240-181541/11	50519011.D	05/19/2015	19:58

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Lab File ID: 50524001.D DFTPP Injection Date: 05/24/2015

Instrument ID: A4HP9 DFTPP Injection Time: 08:58

Analysis Batch No.: 182204

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	49.2	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	47.2	
70	Less than 2.0% of mass 69	0.2	(0.3)1
127	25.0 - 75.0% of mass 198	54.0	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.5	
275	10.0- 30.0% of mass 198	17.3	
365	Greater than 0.75% of mass 198	1.6	
441	Present, but less than mass 443	9.9	
442	40.0 - 110.0% of mass 198	56.5	
443	15.0 - 24.0% of mass 442	10.9	(19.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-182204/2	50524002.D	05/24/2015	09:19
	MB 240-182098/17-A	50524018.D	05/24/2015	15:55
	LCS 240-182098/18-A	50524019.D	05/24/2015	16:20

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Lab File ID: 50526001.D DFTPP Injection Date: 05/26/2015

Instrument ID: A4HP9 DFTPP Injection Time: 07:30

Analysis Batch No.: 182251

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	47.8	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	49.8	
70	Less than 2.0% of mass 69	0.2	(0.4)1
127	25.0 - 75.0% of mass 198	52.0	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.6	
275	10.0- 30.0% of mass 198	16.4	
365	Greater than 0.75% of mass 198	1.6	
441	Present, but less than mass 443	9.6	
442	40.0 - 110.0% of mass 198	52.9	
443	15.0 - 24.0% of mass 442	10.3	(19.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-182251/2	50526002.D	05/26/2015	07:52
H-US-A-1-1	240-51073-1	50526017.D	05/26/2015	14:08
H-US-A-2-1	240-51073-2	50526018.D	05/26/2015	14:33
H-US-A-3-1	240-51073-3	50526019.D	05/26/2015	14:58
H-US-A-4-1	240-51073-4	50526020.D	05/26/2015	15:23
H-UB-A-1-2	240-51073-5	50526021.D	05/26/2015	15:48
H-UB-A-2-2	240-51073-6	50526022.D	05/26/2015	16:14
H-UB-A-3-2	240-51073-7	50526023.D	05/26/2015	16:39
H-DUP01	240-51073-8	50526024.D	05/26/2015	17:04
H-DUP01 MS	240-51073-8 MS	50526025.D	05/26/2015	17:29
H-DUP01 MSD	240-51073-8 MSD	50526026.D	05/26/2015	17:54

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Sample No.: STD6 240-181541/10 Date Analyzed: 05/19/2015 19:33

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 50519010.D Heated Purge: (Y/N) N

Calibration ID: 28569

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		193601	6.41	821091	7.53	384100	9.04
UPPER LIMIT		387202	6.91	1642182	8.03	768200	9.54
LOWER LIMIT		96801	5.91	410546	7.03	192050	8.54
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-181541/11		185978	6.42	801807	7.53	376179	9.04
CCV 240-182204/2 CCVIS		227740	6.37	951162	7.48	428019	8.99
CCV 240-182251/2 CCVIS		215591	6.35	897571	7.47	426951	8.97

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Sample No.: STD6 240-181541/10 Date Analyzed: 05/19/2015 19:33

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 50519010.D Heated Purge: (Y/N) N

Calibration ID: 28569

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		530433	10.31	495913	12.63	357574	14.45
UPPER LIMIT		1060866	10.81	991826	13.13	715148	14.95
LOWER LIMIT		265217	9.81	247957	12.13	178787	13.95
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-181541/11		519420	10.32	490052	12.63	347707	14.44
CCV 240-182204/2 CCVIS		638945	10.26	561273	12.55	441142	14.31
CCV 240-182251/2 CCVIS		610136	10.24	549061	12.53	428118	14.28

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Sample No.: CCV 240-182204/2 Date Analyzed: 05/24/2015 09:19

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 50524002.D Heated Purge: (Y/N) N

Calibration ID: 28569

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		227740	6.37	951162	7.48	428019	8.99
UPPER LIMIT		455480	6.87	1902324	7.98	856038	9.49
LOWER LIMIT		113870	5.87	475581	6.98	214010	8.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 240-182098/17-A		197586	6.37	843653	7.48	412024	8.99
LCS 240-182098/18-A		201927	6.36	864458	7.48	420531	8.99

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Sample No.: CCV 240-182204/2 Date Analyzed: 05/24/2015 09:19

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 50524002.D Heated Purge: (Y/N) N

Calibration ID: 28569

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		638945	10.26	561273	12.55	441142	14.31
UPPER LIMIT		1277890	10.76	1122546	13.05	882284	14.81
LOWER LIMIT		319473	9.76	280637	12.05	220571	13.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 240-182098/17-A		633737	10.26	522854	12.54	344862	14.30
LCS 240-182098/18-A		622299	10.26	542983	12.54	368945	14.30

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Sample No.: CCV 240-182251/2 Date Analyzed: 05/26/2015 07:52

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 50526002.D Heated Purge: (Y/N) N

Calibration ID: 28569

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		215591	6.35	897571	7.47	426951	8.97
UPPER LIMIT		431182	6.85	1795142	7.97	853902	9.47
LOWER LIMIT		107796	5.85	448786	6.97	213476	8.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
240-51073-1	H-US-A-1-1	179754	6.35	743293	7.46	355302	8.97
240-51073-2	H-US-A-2-1	169208	6.35	676576	7.46	331866	8.97
240-51073-3	H-US-A-3-1	181544	6.35	748526	7.46	359716	8.97
240-51073-4	H-US-A-4-1	182161	6.35	747313	7.46	354962	8.97
240-51073-5	H-UB-A-1-2	175773	6.35	702256	7.47	333488	8.97
240-51073-6	H-UB-A-2-2	182995	6.35	743797	7.46	352592	8.97
240-51073-7	H-UB-A-3-2	188277	6.35	745898	7.46	361555	8.97
240-51073-8	H-DUP01	187640	6.35	763794	7.46	364753	8.97
240-51073-8 MS	H-DUP01 MS	180072	6.35	760239	7.46	374831	8.97
240-51073-8 MSD	H-DUP01 MSD	182000	6.35	778706	7.46	385133	8.97

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Sample No.: CCV 240-182251/2 Date Analyzed: 05/26/2015 07:52

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 50526002.D Heated Purge: (Y/N) N

Calibration ID: 28569

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		610136	10.24	549061	12.53	428118	14.28
UPPER LIMIT		1220272	10.74	1098122	13.03	856236	14.78
LOWER LIMIT		305068	9.74	274531	12.03	214059	13.78
LAB SAMPLE ID	CLIENT SAMPLE ID						
240-51073-1	H-US-A-1-1	548739	10.24	441785	12.52	323951	14.27
240-51073-2	H-US-A-2-1	510768	10.24	426062	12.52	310950	14.27
240-51073-3	H-US-A-3-1	557916	10.23	463881	12.52	343926	14.26
240-51073-4	H-US-A-4-1	560266	10.24	459056	12.52	342372	14.27
240-51073-5	H-UB-A-1-2	519250	10.24	434540	12.52	315671	14.27
240-51073-6	H-UB-A-2-2	549509	10.24	451986	12.52	332011	14.27
240-51073-7	H-UB-A-3-2	560742	10.23	456800	12.52	350111	14.26
240-51073-8	H-DUP01	570346	10.23	456882	12.52	357175	14.26
240-51073-8 MS	H-DUP01 MS	559076	10.23	483374	12.52	355931	14.27
240-51073-8 MSD	H-DUP01 MSD	568712	10.23	493351	12.52	380159	14.27

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51073-1

SDG No.:

Client Sample ID: H-US-A-1-1 | Lab Sample ID: 240-51073-1

Matrix: Solid | Lab File ID: 50526017.D

Analysis Method: 8270D | Date Collected: 05/20/2015 14:08

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 29.83(g) | Date Analyzed: 05/26/2015 14:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.91	U	8.0	0.91
208-96-8	Acenaphthylene	0.42	U	8.0	0.42
120-12-7	Anthracene	0.93	U	8.0	0.93
56-55-3	Benzo[a]anthracene	0.75	U	8.0	0.75
50-32-8	Benzo[a]pyrene	0.77	U	8.0	0.77
205-99-2	Benzo[b]fluoranthene	0.71	U	8.0	0.71
191-24-2	Benzo[g,h,i]perylene	0.42	U	8.0	0.42
207-08-9	Benzo[k]fluoranthene	0.81	U	8.0	0.81
218-01-9	Chrysene	1.3	U	8.0	1.3
53-70-3	Dibenz(a,h)anthracene	0.79	U	8.0	0.79
206-44-0	Fluoranthene	0.66	U	8.0	0.66
86-73-7	Fluorene	0.63	U	8.0	0.63
193-39-5	Indeno[1,2,3-cd]pyrene	0.42	U	8.0	0.42
91-20-3	Naphthalene	0.98	U	8.0	0.98
85-01-8	Phenanthrene	0.87	U	8.0	0.87
129-00-0	Pyrene	4.6	J	8.0	0.53

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	74		34-110
4165-62-2	Phenol-d5 (Surr)	75		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	70		24-110
367-12-4	2-Fluorophenol (Surr)	73		31-110
321-60-8	2-Fluorobiphenyl (Surr)	70		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	66		19-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51073-1

SDG No.:

Client Sample ID: H-US-A-2-1 | Lab Sample ID: 240-51073-2

Matrix: Solid | Lab File ID: 50526018.D

Analysis Method: 8270D | Date Collected: 05/20/2015 13:45

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 29.58(g) | Date Analyzed: 05/26/2015 14:33

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 14.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.90	U	7.9	0.90
208-96-8	Acenaphthylene	0.42	U	7.9	0.42
120-12-7	Anthracene	0.93	U	7.9	0.93
56-55-3	Benzo[a]anthracene	21		7.9	0.75
50-32-8	Benzo[a]pyrene	52		7.9	0.76
205-99-2	Benzo[b]fluoranthene	39		7.9	0.70
191-24-2	Benzo[g,h,i]perylene	54		7.9	0.42
207-08-9	Benzo[k]fluoranthene	33		7.9	0.81
218-01-9	Chrysene	35		7.9	1.3
53-70-3	Dibenz(a,h)anthracene	12		7.9	0.78
206-44-0	Fluoranthene	19		7.9	0.65
86-73-7	Fluorene	0.63	U	7.9	0.63
193-39-5	Indeno[1,2,3-cd]pyrene	36		7.9	0.42
91-20-3	Naphthalene	0.97	U	7.9	0.97
85-01-8	Phenanthrene	5.2	J	7.9	0.87
129-00-0	Pyrene	52		7.9	0.52

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	74		34-110
4165-62-2	Phenol-d5 (Surr)	76		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	75		24-110
367-12-4	2-Fluorophenol (Surr)	75		31-110
321-60-8	2-Fluorobiphenyl (Surr)	74		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	67		19-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51073-1

SDG No.:

Client Sample ID: H-US-A-3-1 | Lab Sample ID: 240-51073-3

Matrix: Solid | Lab File ID: 50526019.D

Analysis Method: 8270D | Date Collected: 05/20/2015 13:47

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 30.45(g) | Date Analyzed: 05/26/2015 14:58

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 21.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.95	U	8.4	0.95
208-96-8	Acenaphthylene	0.44	U	8.4	0.44
120-12-7	Anthracene	0.98	U	8.4	0.98
56-55-3	Benzo[a]anthracene	17		8.4	0.79
50-32-8	Benzo[a]pyrene	32		8.4	0.80
205-99-2	Benzo[b]fluoranthene	33		8.4	0.74
191-24-2	Benzo[g,h,i]perylene	34		8.4	0.44
207-08-9	Benzo[k]fluoranthene	14		8.4	0.85
218-01-9	Chrysene	23		8.4	1.4
53-70-3	Dibenz(a,h)anthracene	0.83	U	8.4	0.83
206-44-0	Fluoranthene	15		8.4	0.69
86-73-7	Fluorene	0.66	U	8.4	0.66
193-39-5	Indeno[1,2,3-cd]pyrene	22		8.4	0.44
91-20-3	Naphthalene	1.0	U	8.4	1.0
85-01-8	Phenanthrene	7.8	J	8.4	0.91
129-00-0	Pyrene	39		8.4	0.55

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	71		34-110
4165-62-2	Phenol-d5 (Surr)	69		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	62		24-110
367-12-4	2-Fluorophenol (Surr)	67		31-110
321-60-8	2-Fluorobiphenyl (Surr)	65		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	64		19-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51073-1

SDG No.:

Client Sample ID: H-US-A-4-1 | Lab Sample ID: 240-51073-4

Matrix: Solid | Lab File ID: 50526020.D

Analysis Method: 8270D | Date Collected: 05/20/2015 13:52

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 30.21(g) | Date Analyzed: 05/26/2015 15:23

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 18.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.93	U	8.1	0.93
208-96-8	Acenaphthylene	0.43	U	8.1	0.43
120-12-7	Anthracene	0.95	U	8.1	0.95
56-55-3	Benzo[a]anthracene	22		8.1	0.77
50-32-8	Benzo[a]pyrene	34		8.1	0.78
205-99-2	Benzo[b]fluoranthene	30		8.1	0.72
191-24-2	Benzo[g,h,i]perylene	32		8.1	0.43
207-08-9	Benzo[k]fluoranthene	22		8.1	0.83
218-01-9	Chrysene	33		8.1	1.3
53-70-3	Dibenz(a,h)anthracene	0.80	U	8.1	0.80
206-44-0	Fluoranthene	25		8.1	0.67
86-73-7	Fluorene	0.65	U	8.1	0.65
193-39-5	Indeno[1,2,3-cd]pyrene	23		8.1	0.43
91-20-3	Naphthalene	1.0	U	8.1	1.0
85-01-8	Phenanthrene	12		8.1	0.89
129-00-0	Pyrene	58		8.1	0.54

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	73		34-110
4165-62-2	Phenol-d5 (Surr)	73		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	68		24-110
367-12-4	2-Fluorophenol (Surr)	72		31-110
321-60-8	2-Fluorobiphenyl (Surr)	69		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	68		19-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51073-1

SDG No.:

Client Sample ID: H-UB-A-1-2 | Lab Sample ID: 240-51073-5

Matrix: Solid | Lab File ID: 50526021.D

Analysis Method: 8270D | Date Collected: 05/20/2015 14:01

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 29.96(g) | Date Analyzed: 05/26/2015 15:48

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.90	U	7.9	0.90
208-96-8	Acenaphthylene	0.41	U	7.9	0.41
120-12-7	Anthracene	0.92	U	7.9	0.92
56-55-3	Benzo[a]anthracene	0.75	U	7.9	0.75
50-32-8	Benzo[a]pyrene	0.76	U	7.9	0.76
205-99-2	Benzo[b]fluoranthene	0.70	U	7.9	0.70
191-24-2	Benzo[g,h,i]perylene	0.41	U	7.9	0.41
207-08-9	Benzo[k]fluoranthene	0.80	U	7.9	0.80
218-01-9	Chrysene	1.3	U	7.9	1.3
53-70-3	Dibenz(a,h)anthracene	0.78	U	7.9	0.78
206-44-0	Fluoranthene	4.5	J	7.9	0.65
86-73-7	Fluorene	0.63	U	7.9	0.63
193-39-5	Indeno[1,2,3-cd]pyrene	0.41	U	7.9	0.41
91-20-3	Naphthalene	0.97	U	7.9	0.97
85-01-8	Phenanthrene	0.86	U	7.9	0.86
129-00-0	Pyrene	6.6	J	7.9	0.52

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	78		34-110
4165-62-2	Phenol-d5 (Surr)	77		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	75		24-110
367-12-4	2-Fluorophenol (Surr)	77		31-110
321-60-8	2-Fluorobiphenyl (Surr)	77		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	73		19-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51073-1

SDG No.:

Client Sample ID: H-UB-A-2-2 | Lab Sample ID: 240-51073-6

Matrix: Solid | Lab File ID: 50526022.D

Analysis Method: 8270D | Date Collected: 05/20/2015 13:58

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 30.09(g) | Date Analyzed: 05/26/2015 16:14

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.91	U	8.0	0.91
208-96-8	Acenaphthylene	0.42	U	8.0	0.42
120-12-7	Anthracene	0.93	U	8.0	0.93
56-55-3	Benzo[a]anthracene	0.75	U	8.0	0.75
50-32-8	Benzo[a]pyrene	0.77	U	8.0	0.77
205-99-2	Benzo[b]fluoranthene	0.71	U	8.0	0.71
191-24-2	Benzo[g,h,i]perylene	0.42	U	8.0	0.42
207-08-9	Benzo[k]fluoranthene	0.81	U	8.0	0.81
218-01-9	Chrysene	1.3	U	8.0	1.3
53-70-3	Dibenz(a,h)anthracene	0.79	U	8.0	0.79
206-44-0	Fluoranthene	0.66	U	8.0	0.66
86-73-7	Fluorene	0.63	U	8.0	0.63
193-39-5	Indeno[1,2,3-cd]pyrene	0.42	U	8.0	0.42
91-20-3	Naphthalene	0.98	U	8.0	0.98
85-01-8	Phenanthrene	0.87	U	8.0	0.87
129-00-0	Pyrene	0.53	U	8.0	0.53

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	76		34-110
4165-62-2	Phenol-d5 (Surr)	65		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	61		24-110
367-12-4	2-Fluorophenol (Surr)	64		31-110
321-60-8	2-Fluorobiphenyl (Surr)	63		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	68		19-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51073-1

SDG No.:

Client Sample ID: H-UB-A-3-2 | Lab Sample ID: 240-51073-7

Matrix: Solid | Lab File ID: 50526023.D

Analysis Method: 8270D | Date Collected: 05/20/2015 13:56

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 29.67(g) | Date Analyzed: 05/26/2015 16:39

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 17.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.93	U	8.2	0.93
208-96-8	Acenaphthylene	0.43	U	8.2	0.43
120-12-7	Anthracene	14		8.2	0.95
56-55-3	Benzo[a]anthracene	60		8.2	0.77
50-32-8	Benzo[a]pyrene	55		8.2	0.78
205-99-2	Benzo[b]fluoranthene	66		8.2	0.72
191-24-2	Benzo[g,h,i]perylene	48		8.2	0.43
207-08-9	Benzo[k]fluoranthene	22		8.2	0.83
218-01-9	Chrysene	75		8.2	1.3
53-70-3	Dibenz(a,h)anthracene	11		8.2	0.81
206-44-0	Fluoranthene	110		8.2	0.67
86-73-7	Fluorene	0.65	U	8.2	0.65
193-39-5	Indeno[1,2,3-cd]pyrene	36		8.2	0.43
91-20-3	Naphthalene	1.0	U	8.2	1.0
85-01-8	Phenanthrene	110		8.2	0.89
129-00-0	Pyrene	160		8.2	0.54

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	74		34-110
4165-62-2	Phenol-d5 (Surr)	70		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	67		24-110
367-12-4	2-Fluorophenol (Surr)	69		31-110
321-60-8	2-Fluorobiphenyl (Surr)	68		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	69		19-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51073-1

SDG No.:

Client Sample ID: H-DUP01 | Lab Sample ID: 240-51073-8

Matrix: Solid | Lab File ID: 50526024.D

Analysis Method: 8270D | Date Collected: 05/20/2015 00:00

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 29.93(g) | Date Analyzed: 05/26/2015 17:04

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 14.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.89	U	7.8	0.89
208-96-8	Acenaphthylene	4.9	J	7.8	0.41
120-12-7	Anthracene	10		7.8	0.92
56-55-3	Benzo[a]anthracene	57		7.8	0.74
50-32-8	Benzo[a]pyrene	120		7.8	0.75
205-99-2	Benzo[b]fluoranthene	93		7.8	0.69
191-24-2	Benzo[g,h,i]perylene	130		7.8	0.41
207-08-9	Benzo[k]fluoranthene	70		7.8	0.80
218-01-9	Chrysene	76		7.8	1.3
53-70-3	Dibenz(a,h)anthracene	22		7.8	0.78
206-44-0	Fluoranthene	55		7.8	0.65
86-73-7	Fluorene	0.62	U	7.8	0.62
193-39-5	Indeno[1,2,3-cd]pyrene	89		7.8	0.41
91-20-3	Naphthalene	0.96	U	7.8	0.96
85-01-8	Phenanthrene	20		7.8	0.86
129-00-0	Pyrene	140		7.8	0.52

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	76		34-110
4165-62-2	Phenol-d5 (Surr)	73		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	65		24-110
367-12-4	2-Fluorophenol (Surr)	71		31-110
321-60-8	2-Fluorobiphenyl (Surr)	66		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	68		19-110

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-51073-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-181541/6	50519006.D
Level 2	STD2 240-181541/5	50519005.D
Level 3	STD3 240-181541/4	50519004.D
Level 4	STD4 240-181541/3	50519003.D
Level 5	STD5 240-181541/2	50519002.D
Level 6	STD6 240-181541/10	50519010.D
Level 7	STD7 240-181541/9	50519009.D
Level 8	STD8 240-181541/8	50519008.D
Level 9	STD9 240-181541/7	50519007.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.9036	0.8928 0.9199	0.8324 0.8887	0.9650 0.9115	0.9191	Ave		0.9041				4.1		20.0			
N-Nitrosodimethylamine	1.3840	1.4220 1.3760	1.4073 1.3564	1.4484 1.3802	1.3973	Ave		1.3964				2.1		20.0			
Pyridine	2.4156	2.3195 2.4350	2.4287 2.3192	2.5699 2.4261	2.4265	Ave		2.4176				3.2		20.0			
Benzaldehyde	1.3314	1.6346 1.3131	1.6235 1.2017	1.6280 1.1863	1.5252	Ave		1.4305			0.0100	13.5		20.0			
Phenol	2.5022	2.7530 2.4310	2.7433 2.2478	2.7828 2.2989	2.6477	Ave		2.5508			0.8000	8.3		20.0			
Aniline	3.0790	3.2327 3.0110	3.3080 2.8381	3.3576 2.8828	3.2156	Ave		3.1156				6.2		20.0			
Bis(2-chloroethyl)ether	1.9859	2.0888 1.9600	2.1211 1.7796	2.1194 1.9018	2.1170	Ave		2.0092			0.7000	6.2		20.0			
2-Chlorophenol	1.6102	1.6039 1.5763	1.5825 1.5172	1.6330 1.5318	1.5937	Ave		1.5811			0.8000	2.5		20.0			
n-Decane	2.2518	2.3524 2.1845	2.5161 2.0576	2.4989 2.0953	2.4429	Ave		2.2999				7.8		20.0			
1,3-Dichlorobenzene	1.5793	1.6288 1.5334	1.5848 1.4552	1.6181 1.4677	1.4935	Ave		1.5451				4.4		20.0			
1,4-Dichlorobenzene	1.6150	1.6152 1.5546	1.6713 1.4626	1.5829 1.4532	1.5449	Ave		1.5625				4.8		20.0			
Benzyl alcohol	1.2761	1.3455 1.2479	1.3302 1.1704	1.3619 1.2002	1.3141	Ave		1.2808				5.4		20.0			
1,2-Dichlorobenzene	1.5319	1.5668 1.4836	1.5407 1.3886	1.5085 1.4134	1.4592	Ave		1.4866				4.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-51073-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Methylphenol	1.7458	1.7985 1.6873	1.8540 1.5902	1.8102 1.6212	1.7989	Ave		1.7383			0.7000	5.5		20.0			
bis (2-chloroisopropyl) ether	2.5928	2.7533 2.5252	2.7073 2.3984	2.7657 2.4662	2.6843	Ave		2.6116				5.3		20.0			
Indene	2.6567	3.0391 2.4352	3.1252 2.1916	3.0650 2.1183	2.9077	Ave		2.6923				15.0		20.0			
3 & 4 Methylphenol	1.8303	1.9404 1.7500	1.9416 1.6587	1.9620 1.6856	1.9169	Ave		1.8357				6.7		20.0			
N-Nitrosodi-n-propylamine	1.2154	1.2671 1.1450	1.2644 1.0825	1.3130 1.0829	1.2542	Ave		1.2030			0.5000	7.4		20.0			
Acetophenone	2.2686	2.3538 2.1825	2.4932 2.0194	2.4745 2.0669	2.3478	Ave		2.2758			0.0100	7.7		20.0			
Hexachloroethane	0.6336	0.6684 0.6179	0.6870 0.5949	0.6524 0.5925	0.6486	Ave		0.6369			0.3000	5.3		20.0			
Nitrobenzene	0.4296	0.4264 0.4270	0.4305 0.4064	0.4449 0.4102	0.4370	Ave		0.4265			0.2000	3.0		20.0			
Isophorone	0.7863	0.8375 0.7683	0.8705 0.7334	0.8591 0.7293	0.8117	Ave		0.7995			0.4000	6.8		20.0			
2-Nitrophenol	0.1732	0.1664 0.1728	0.1718 0.1641	0.1859 0.1627	0.1752	Ave		0.1715			0.1000	4.3		20.0			
2,4-Dimethylphenol	0.3598	0.3852 0.3438	0.4059 0.3308	0.3870 0.3203	0.3711	Ave		0.3630			0.2000	8.2		20.0			
Benzoic acid	0.2103	0.1495 0.2207	0.1964 0.2204	0.1907 0.2163	0.2013	Ave		0.2007				11.7		20.0			
Bis(2-chloroethoxy)methane	0.5112	0.5409 0.5001	0.5675 0.4695	0.5522 0.4600	0.5399	Ave		0.5177			0.3000	7.6		20.0			
2,4-Dichlorophenol	0.2542	0.2640 0.2496	0.2560 0.2413	0.2518 0.2383	0.2394	Ave		0.2493			0.2000	3.6		20.0			
1,2,4-Trichlorobenzene	0.2549	0.2671 0.2557	0.2655 0.2428	0.2636 0.2396	0.2490	Ave		0.2548				4.1		20.0			
Naphthalene	1.1358 1.0409	1.1284 1.0070	1.1222 0.9560	1.1041 0.9365	1.0713	Ave		1.0558			0.7000	7.1		20.0			
4-Chloroaniline	0.4749	0.5185 0.4672	0.4881 0.4585	0.5067 0.4557	0.4992	Ave		0.4836			0.0100	4.8		20.0			
2,6-Dichlorophenol	0.2472	0.2422 0.2398	0.2496 0.2293	0.2501 0.2261	0.2377	Ave		0.2403				3.7		20.0			
Hexachlorobutadiene	0.1070	0.1075 0.1076	0.1082 0.1036	0.1092 0.1013	0.0993	Ave		0.1055			0.0100	3.4		20.0			
Caprolactam	0.1184	0.1302 0.1163	0.1310 0.1125	0.1279 0.1124	0.1164	Ave		0.1206			0.0100	6.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-51073-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.3214	0.3328 0.3118	0.3465 0.3033	0.3324 0.2950	0.3200	Ave		0.3204			0.2000	5.3		20.0			
2-Methylnaphthalene	0.7233 0.6402	0.6767 0.6190	0.6730 0.5793	0.6751 0.5649	0.6401	Ave		0.6435			0.4000	7.8		20.0			
1-Methylnaphthalene	0.6059 0.5584	0.5979 0.5464	0.5830 0.5099	0.5827 0.5075	0.5426	Ave		0.5594				6.4		20.0			
Hexachlorocyclopentadiene	0.2216	0.2241 0.2307	0.2508 0.2286	0.2359 0.2264	0.2502	Ave		0.2335			0.0500	4.8		20.0			
1,2,4,5-Tetrachlorobenzene	0.3963	0.4546 0.3863	0.4169 0.3634	0.4243 0.3490	0.4192	Ave		0.4013			0.0100	8.6		20.0			
2,4,6-Trichlorophenol	0.3265	0.3096 0.3311	0.3365 0.3208	0.3436 0.3207	0.3317	Ave		0.3276			0.2000	3.2		20.0			
2,4,5-Trichlorophenol	0.3560	0.3399 0.3488	0.3513 0.3324	0.3468 0.3230	0.3420	Ave		0.3425			0.2000	3.1		20.0			
1,1'-Biphenyl	1.7463 1.4825	1.6365 1.4570	1.5991 1.3745	1.5708 1.3364	1.5473	Ave		1.5278			0.0100	8.5		20.0			
2-Chloronaphthalene	1.2365 1.1097	1.1402 1.1016	1.2332 1.0431	1.1387 1.0210	1.1211	Ave		1.1272			0.8000	6.5		20.0			
2-Nitroaniline	0.4421	0.4124 0.4584	0.4345 0.4381	0.4516 0.4457	0.4681	Ave		0.4439			0.0100	3.8		20.0			
Dimethyl phthalate	1.1745	1.1490 1.1432	1.2182 1.1175	1.1562 1.0826	1.1538	Ave		1.1494			0.0100	3.4		20.0			
1,3-Dinitrobenzene	0.1968	0.1478 0.2062	0.1623 0.2044	0.1647 0.2042	0.1941	Ave		0.1850				12.5		20.0			
2,6-Dinitrotoluene	0.2742	0.2092 0.2852	0.2436 0.2710	0.2598 0.2746	0.2579	Ave		0.2594				9.2		20.0			
Acenaphthylene	2.2036 1.9316	1.9932 1.8871	2.0495 1.7960	2.0489 1.7326	1.9536	Ave		1.9551			0.9000	7.3		20.0			
3-Nitroaniline	0.4033	0.3358 0.3840	0.3728 0.3835	0.3908 0.3771	0.4056	Ave		0.3816			0.0100	5.7		20.0			
2,4-Dinitrophenol	0.1219	+++++ 0.1349	0.0974 0.1327	0.1164 0.1396	0.1369	Ave		0.1257			0.0100	12.0		20.0			
Acenaphthene	1.2564 1.0877	1.2219 1.0411	1.2389 0.9640	1.2025 0.9262	1.1687	Ave		1.1230			0.9000	11.0		20.0			
4-Nitrophenol	0.1155	0.1082 0.1234	0.1244 0.1205	0.1212 0.1212	0.1134	Ave		0.1185				4.7		20.0			
2,4-Dinitrotoluene	0.3374	0.2591 0.3380	0.2946 0.3362	0.3348 0.3348	0.3468	Ave		0.3227			0.2000	9.3		20.0			
Dibenzofuran	1.6225 1.5238	1.5869 1.4750	1.6226 1.4183	1.5489 1.3750	1.5322	Ave		1.5228			0.8000	5.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-51073-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,3,4,6-Tetrachlorophenol	0.2548	0.2550 0.2396	0.2541 0.2265	0.2521 0.2240	0.2502	Ave		0.2445			0.0100	5.3		20.0			
Diethyl phthalate	1.0858	1.2661 0.9999	1.2427 0.9391	1.2336 0.8897	1.2021	Ave		1.1074			0.0100	13.5		20.0			
Hexadecane	1.1899	1.3496 1.1218	1.4099 1.0574	1.3645 0.9964	1.3829	Ave		1.2340				13.2		20.0			
4-Chlorophenyl phenyl ether	0.4950	0.5189 0.4832	0.5273 0.4763	0.5167 0.4712	0.4965	Ave		0.4981			0.4000	4.2		20.0			
4-Nitroaniline	0.3223	0.2997 0.3357	0.3206 0.3399	0.3524 0.3501	0.3161	Ave		0.3296			0.0100	5.5		20.0			
Fluorene	1.3603 1.2307	1.3053 1.1820	1.3090 1.1120	1.2895 1.0811	1.2603	Ave		1.2367			0.9000	7.6		20.0			
4,6-Dinitro-2-methylphenol	0.0984	0.0678 0.1050	0.0739 0.1042	0.0911 0.1067	0.0927	Ave		0.0925			0.0100	15.8		20.0			
N-Nitrosodiphenylamine	0.5929	0.5565 0.5505	0.5758 0.4914	0.5686 0.4590	0.5626	Ave		0.5447			0.0100	8.4		20.0			
1,2-Diphenylhydrazine(as Azobenzene)	1.2529	1.1553 1.2311	1.2129 1.1588	1.2156 1.1213	1.1833	Ave		1.1927				3.6		20.0			
Azobenzene	1.2527	1.1659 1.2317	1.2129 1.1588	1.2147 1.1212	1.1833	Ave		1.1927				3.6		20.0			
4-Bromophenyl phenyl ether	0.1772	0.1583 0.1782	0.1657 0.1699	0.1658 0.1630	0.1613	Ave		0.1674			0.1000	4.3		20.0			
Hexachlorobenzene	0.1529 0.1603	0.1501 0.1494	0.1603 0.1357	0.1608 0.1301	0.1557	Ave		0.1506			0.1000	7.3		20.0			
Atrazine	0.1588	0.1604 0.1472	0.1712 0.1342	0.1540 0.1164	0.1438	Ave		0.1482			0.0100	11.6		20.0			
n-Octadecane	0.8877	0.8851 0.8514	0.8994 0.7725	0.9206 0.7128	0.8966	Ave		0.8533				8.5		20.0			
Pentachlorophenol	0.1142	0.1095 0.1126	0.1056 0.1061	0.1097 0.1022	0.1136	Ave		0.1092			0.0500	3.9		20.0			
Phenanthrene	1.2206 1.1473	1.1676 1.1478	1.2082 1.0741	1.1826 1.0403	1.1163	Ave		1.1450			0.7000	5.2		20.0			
Anthracene	1.2450 1.1757	1.1627 1.1507	1.2312 1.0832	1.1891 1.0585	1.1380	Ave		1.1593			0.7000	5.3		20.0			
Carbazole	1.0866	1.0467 1.0982	1.1042 1.0483	1.0332 1.0327	0.9151	Ave		1.0456			0.0100	5.7		20.0			
Di-n-butyl phthalate	1.3842	1.2629 1.3583	1.2162 1.2956	1.0608 1.1522	1.1007	Ave		1.2289			0.0100	9.6		20.0			
Fluoranthene	1.0702 1.0739	1.0007 1.0617	1.0330 1.0156	0.8851 0.9374	0.8646	Ave		0.9936			0.6000	8.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-51073-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.7195	0.4659 0.8060	0.4950 0.7453	0.6094 0.7274	0.7127	Ave		0.6601				18.7		20.0			
Pyrene	1.4882 1.2107	1.2287 1.2563	1.3146 1.1256	1.1401 1.0285	1.1193	Ave		1.2124			0.6000	11.1		20.0			
Butyl benzyl phthalate	0.6661	0.6545 0.6868	0.6812 0.6470	0.6955 0.6373	0.6186	Ave		0.6609			0.0100	4.0		20.0			
Bis(2-ethylhexyl) phthalate	0.9305	0.9509 0.9522	0.9286 0.9041	0.9172 0.9073	0.9026	Ave		0.9242			0.0100	2.2		20.0			
3,3'-Dichlorobenzidine	0.3488	0.3083 0.3654	0.3422 0.3431	0.3653 0.3370	0.3698	Ave		0.3475			0.0100	5.8		20.0			
Benzo[a]anthracene	1.2551 1.1113	1.1370 1.1451	1.1777 1.0796	1.1398 1.0556	1.0686	Ave		1.1300			0.8000	5.5		20.0			
Chrysene	1.0753 1.0452	1.0299 1.0516	1.0378 0.9927	1.0326 0.9852	1.0017	Ave		1.0280			0.7000	2.9		20.0			
Di-n-octyl phthalate	2.2096	1.8812 2.1308	2.1822 2.1487	2.1616 2.0895	2.0486	Ave		2.1065			0.0100	5.0		20.0			
Benzo[b]fluoranthene	1.1716 1.3043	1.0938 1.3098	1.2233 1.2855	1.2408 1.2473	1.2292	Ave		1.2340			0.7000	5.5		20.0			
Benzo[k]fluoranthene	1.3447 1.3450	1.0891 1.2602	1.2965 1.2712	1.2618 1.2671	1.1933	Ave		1.2588			0.7000	6.3		20.0			
Benzo[a]pyrene	1.1341 1.2615	1.0802 1.2211	1.1676 1.2351	1.1626 1.2207	1.1516	Ave		1.1816			0.7000	4.9		20.0			
Indeno[1,2,3-cd]pyrene	1.1222 1.1388	0.9885 1.1466	1.0897 1.1432	1.0972 1.1276	1.0655	Ave		1.1021			0.5000	4.6		20.0			
Dibenz(a,h)anthracene	1.0227 0.9494	0.7889 0.9548	0.8965 0.9576	0.9116 0.9557	0.9059	Ave		0.9270			0.4000	6.9		20.0			
Benzo[g,h,i]perylene	1.1182 0.9082	0.8289 0.8934	0.9433 0.8861	0.9553 0.8782	0.8637	Ave		0.9195			0.5000	9.1		20.0			
2-Fluorophenol (Surr)	1.7624	1.7144 1.7032	1.7922 1.6394	1.7839 1.6830	1.7510	Ave		1.7287				3.1		20.0			
Phenol-d5 (Surr)	2.3175	2.3936 2.2539	2.4917 2.1240	2.5025 2.1564	2.4400	Ave		2.3350				6.3		20.0			
Nitrobenzene-d5 (Surr)	0.4194 0.4105	0.4011 0.4031	0.4413 0.3867	0.4218 0.3889	0.4149	Ave		0.4097				4.2		20.0			
2-Fluorobiphenyl (Surr)	1.1333 1.1325	1.1972 1.1268	1.2161 1.0714	1.1833 1.0516	1.1526	Ave		1.1405				4.8		20.0			
2,4,6-Tribromophenol (Surr)	0.1077	0.0909 0.1008	0.1214 0.0976	0.1106 0.0987	0.1117	Ave		0.1049				9.3		20.0			
Terphenyl-d14 (Surr)	0.8804 0.7315	0.7776 0.7627	0.8097 0.7196	0.7828 0.7025	0.7419	Ave		0.7676				7.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-51073-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-181541/6	50519006.D
Level 2	STD2 240-181541/5	50519005.D
Level 3	STD3 240-181541/4	50519004.D
Level 4	STD4 240-181541/3	50519003.D
Level 5	STD5 240-181541/2	50519002.D
Level 6	STD6 240-181541/10	50519010.D
Level 7	STD7 240-181541/9	50519009.D
Level 8	STD8 240-181541/8	50519008.D
Level 9	STD9 240-181541/7	50519007.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	437349	25364 678748	44490 875415	94888 1071779	204428	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCB	Ave	669858	40397 1015299	75213 1336166	142419 1622853	310805	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCB	Ave	1169135	65894 1796760	129804 2284580	252683 2852686	539720	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzaldehyde	DCB	Ave	1288765	92873 1937862	173546 2367472	320146 2789876	678500	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenol	DCB	Ave	1211072	78210 1793803	146621 2214218	273616 2703136	588905	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCB	Ave	1490234	91835 2221782	176801 2795756	330134 3389742	715240	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	961174	59339 1446236	113368 1753057	208390 2236160	470877	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCB	Ave	779327	45563 1163143	84578 1494525	160561 1801164	354483	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
n-Decane	DCB	Ave	1089874	66829 1611919	134475 2026918	245704 2463707	543351	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCB	Ave	764399	46273 1131497	84704 1433496	159098 1725766	332181	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,4-Dichlorobenzene	DCB	Ave	781643	45886 1147110	89326 1440764	155636 1708760	343627	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzyl alcohol	DCB	Ave	617657	38224 920785	71097 1152906	133907 1411267	292290	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dichlorobenzene	DCB	Ave	741420	44510 1094726	82346 1367873	148325 1661946	324559	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCB	Ave	844971	51093 1245014	99088 1566475	177989 1906240	400110	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-51073-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
bis (2-chloroisopropyl) ether	DCB	Ave	1254906	78218 1863294	144698 2362564	271936 2899809	597059	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indene	DCB	Ave	2571685	172671 3593725	334061 4317768	602742 4981628	1293487	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
3 & 4 Methylphenol	DCB	Ave	885883	55124 1291298	103773 1633917	192913 1981943	426360	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	588267	35995 844874	67577 1066310	129098 1273279	278969	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acetophenone	DCB	Ave	1098028	66868 1610414	133252 1989235	243307 2430314	522214	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachloroethane	DCB	Ave	306655	18988 455911	36720 586054	64152 696636	144274	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene	NPT	Ave	881849	51212 1311835	95445 1641533	186218 2033115	414662	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Isophorone	NPT	Ave	1613983	100598 2360460	193006 2962105	359605 3614192	770147	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitrophenol	NPT	Ave	355489	19987 530972	38093 662613	77803 806348	166221	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dimethylphenol	NPT	Ave	738605	46270 1056425	90003 1335910	161993 1587377	352124	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzoic acid	NPT	Ave	863566	35924 1356259	87082 1780038	159687 2143463	381956	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	1049423	64968 1536607	125830 1896177	231164 2279697	512274	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dichlorophenol	NPT	Ave	521888	31714 767012	56758 974522	105402 1181230	227101	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	523332	32082 785634	58869 980805	110342 1187259	236219	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Naphthalene	NPT	Ave	26175 2136740	135538 3093857	248799 3860979	462181 4641347	1016506	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloroaniline	NPT	Ave	974799	62283 1435601	108219 1851876	212116 2258200	473689	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dichlorophenol	NPT	Ave	507422	29093 736882	55344 926144	104704 1120596	225522	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobutadiene	NPT	Ave	219736	12907 330747	23984 418372	45722 502094	94180	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Caprolactam	NPT	Ave	485955	31284 714615	58108 908745	107044 1114386	220881	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
4-Chloro-3-methylphenol	NPT	Ave	659774	39974 957931	76821 1224897	139154 1461983	303610	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylnaphthalene	NPT	Ave	16668 1314168	81278 1901792	149220 2339575	282595 2799718	607347	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-51073-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1-Methylnaphthalene	NPT	Ave	13963 1146338	71814 1678815	129268 2059588	243897 2515213	514799	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	 212762	12378 325359	25499 423785	45693 513405	105131	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	 380570	25110 544673	42396 673702	82170 791502	176143	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	 313555	17101 466876	34212 594742	66538 727392	139400	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,5-Trichlorophenol	ANT	Ave	 341863	18774 491813	35718 616169	67151 732446	143689	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	18690 1423587	90391 2054434	162604 2547893	304189 3030624	650189	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	13234 1065581	62981 1553379	125393 1933553	220516 2315459	471083	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Ave	 424554	22782 646434	44185 812162	87460 1010730	196699	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	 1127807	63464 1612061	123874 2071500	223899 2455040	484839	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dinitrobenzene	ANT	Ave	 188957	8162 290742	16504 378878	31887 463022	81563	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Ave	 263284	11553 402112	24768 502298	50315 622795	108364	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	23584 1854837	110097 2660914	208398 3329215	396781 3929079	820907	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Nitroaniline	ANT	Ave	 387312	18551 541482	37904 710843	75673 855276	170449	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrophenol	ANT	Ave	 234052	+++++ 380406	19800 491793	45069 633352	115054	 20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
Acenaphthene	ANT	Ave	13447 1044451	67492 1467981	125974 1786900	232880 2100351	491073	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitrophenol	ANT	Ave	 221858	11950 347906	25305 446826	46954 549567	95320	 20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
2,4-Dinitrotoluene	ANT	Ave	 323966	14309 476601	29955 623273	64835 759144	145743	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenzofuran	ANT	Ave	17365 1463274	87656 2079939	164987 2629085	299961 3118196	643835	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	 244625	14086 337863	25839 419830	48826 507877	105136	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Diethyl phthalate	ANT	Ave	 1042627	69934 1409993	126358 1740846	238903 2017617	505129	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexadecane	ANT	Ave	 1142639	74545 1581821	143363 1960160	264237 2259625	581090	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-51073-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chlorophenyl phenyl ether	ANT	Ave	475305	28661 681360	53622 882962	100068 1068616	208618	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitroaniline	ANT	Ave	309515	16553 473334	32596 630108	68243 794049	132812	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluorene	ANT	Ave	14558 1181824	72097 1666768	133104 2061385	249715 2451718	529582	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,6-Dinitro-2-methylphenol	PHN	Ave	260936	11899 405092	23262 534950	54056 679391	121257	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
N-Nitrosodiphenylamine	PHN	Ave	1572390	97621 2124595	181291 2522749	337256 2923625	736340	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	1661459	101336 2375637	190959 2974105	360513 3571295	774349	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Azobenzene	PHN	Ave	1661218	102265 2376771	190959 2974105	360241 3570851	774337	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	234984	13887 343776	26083 436145	49164 519173	105534	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobenzene	PHN	Ave	2527 212572	13163 288366	25236 348354	47698 414202	101917	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Atrazine	PHN	Ave	421103	28138 568041	53920 688971	91321 741214	188174	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
n-Octadecane	PHN	Ave	1177228	77632 1642987	141592 1982679	273014 2270229	586714	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pentachlorophenol	PHN	Ave	302897	19206 434512	33264 544703	65051 650714	148629	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenanthrene	PHN	Ave	20170 1521407	102409 2214926	190217 2756919	350742 3313239	730477	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Anthracene	PHN	Ave	20574 1559011	101984 2220409	193839 2780135	352653 3371126	744643	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Carbazole	PHN	Ave	1440872	91808 2119100	173843 2690566	306434 3289131	598785	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-butyl phthalate	PHN	Ave	1835603	110775 2621017	191477 3325383	314595 3669607	720235	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluoranthene	PHN	Ave	17685 1424022	87776 2048812	162631 2606595	262494 2985416	565744	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzidine	CRY	Ave	1784002	65114 2739703	123801 3487416	288393 4141330	738111	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Pyrene	CRY	Ave	18857 1501041	85863 2135077	164389 2633606	269764 2927703	579633	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Butyl benzyl phthalate	CRY	Ave	825808	45739 1167212	85180 1513714	164563 1814087	320324	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	1153610	66449 1618266	116125 2115270	217021 2582603	467391	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-51073-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3,3'-Dichlorobenzidine	CRY	Ave	864928	43091 1241902	85573 1605282	172869 1918417	382988	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Benzo[a]anthracene	CRY	Ave	15904 1377712	79454 1946133	147267 2526054	269698 3004851	553364	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Chrysene	CRY	Ave	13625 1295782	71968 1787198	129774 2322624	244325 2804425	518744	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-octyl phthalate	PRY	Ave	1975272	105077 2825727	204936 3755074	376499 4542762	796268	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[b]fluoranthene	PRY	Ave	11750 1165964	61094 1737025	114882 2246526	216121 2711635	477789	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[k]fluoranthene	PRY	Ave	13486 1202344	60833 1671236	121761 2221648	219773 2754757	463824	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]pyrene	PRY	Ave	11374 1127677	60333 1619343	109650 2158506	202504 2653884	447611	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	11254 1018010	55215 1520587	102340 1997854	191100 2451465	414135	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenz(a,h)anthracene	PRY	Ave	10257 848666	44066 1266277	84196 1673591	158778 2077789	352115	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[g,h,i]perylene	PRY	Ave	11214 811837	46299 1184787	88587 1548497	166390 1909196	335726	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorophenol (Surr)	DCB	Ave	853026	48704 1256749	95785 1614882	175400 1978977	389474	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol-d5 (Surr)	DCB	Ave	1121676	67998 1663125	133174 2092284	246062 2535617	542727	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene-d5 (Surr)	NPT	Ave	9666 842627	48176 1238638	97850 1561937	176561 1927158	393620	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorobiphenyl (Surr)	ANT	Ave	12129 1087462	66127 1588839	123659 1985989	229145 2384803	484320	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	103401	5021 142204	12341 180881	21411 223852	46949	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Terphenyl-d14 (Surr)	CRY	Ave	11156 906899	54340 1296265	101250 1683742	185228 1999755	384196	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Lab Sample ID (1): CCV 240-182204/2 CCVIS Instrument ID (1): A4HP9

GC Column (1): RXI-5SILMS ID: 0.45(mm) Date Analyzed (1): 05/24/2015 09:19

ANALYTE	RT	RESOLUTION (%)
2-Fluorophenol (Surr)	5.15	100.0
Phenol-d5 (Surr)	6.00	100.0
Nitrobenzene-d5 (Surr)	6.84	100.0
Naphthalene	7.50	100.0
2-Fluorobiphenyl (Surr)	8.39	100.0
Acenaphthylene	8.87	100.0
Acenaphthene	9.02	100.0
Fluorene	9.46	100.0
2,4,6-Tribromophenol (Surr)	9.66	100.0
Phenanthrene	10.28	100.0
Anthracene	10.32	100.0
Fluoranthene	11.30	100.0
Pyrene	11.50	100.0
Terphenyl-d14 (Surr)	11.58	100.0
Benzo[a]anthracene	12.54	100.0
Chrysene	12.58	100.0
Benzo[b]fluoranthene	13.76	30.30
Benzo[k]fluoranthene	13.80	100.0
Benzo[a]pyrene	14.23	100.0
Indeno[1,2,3-cd]pyrene	16.24	100.0
Dibenz(a,h)anthracene	16.25	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Lab Sample ID (1): CCV 240-182251/2 CCVIS Instrument ID (1): A4HP9

GC Column (1): RXI-5SILMS ID: 0.45(mm) Date Analyzed (1): 05/26/2015 07:52

ANALYTE	RT	RESOLUTION (%)
2-Fluorophenol (Surr)	5.13	100.0
Phenol-d5 (Surr)	5.99	100.0
Nitrobenzene-d5 (Surr)	6.83	100.0
Naphthalene	7.49	100.0
2-Fluorobiphenyl (Surr)	8.37	100.0
Acenaphthylene	8.85	100.0
Acenaphthene	9.00	100.0
Fluorene	9.43	100.0
2,4,6-Tribromophenol (Surr)	9.64	100.0
Phenanthrene	10.26	100.0
Anthracene	10.31	100.0
Fluoranthene	11.28	100.0
Pyrene	11.48	100.0
Terphenyl-d14 (Surr)	11.56	100.0
Benzo[a]anthracene	12.51	100.0
Chrysene	12.55	100.0
Benzo[b]fluoranthene	13.73	30.40
Benzo[k]fluoranthene	13.76	100.0
Benzo[a]pyrene	14.20	100.0
Indeno[1,2,3-cd]pyrene	16.18	100.0
Dibenz(a,h)anthracene	16.19	100.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Lab Sample ID: ICV 240-181541/11 Calibration Date: 05/19/2015 19:58

Instrument ID: A4HP9 Calib Start Date: 05/19/2015 16:13

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 05/19/2015 19:33

Lab File ID: 50519011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.9041	0.9054		10.0	10.0	0.1	30.0
N-Nitrosodimethylamine	Ave	1.396	1.187		8.50	10.0	-15.0	30.0
Pyridine	Ave	2.418	2.428		10.0	10.0	0.4	30.0
Benzaldehyde	Ave	1.430	1.394	0.0100	19.5	20.0	-2.5	30.0
Phenol	Ave	2.551	2.460	0.8000	9.64	10.0	-3.6	30.0
Aniline	Ave	3.116	3.029		9.72	10.0	-2.8	30.0
Bis(2-chloroethyl)ether	Ave	2.009	1.980	0.7000	9.85	10.0	-1.5	30.0
2-Chlorophenol	Ave	1.581	1.582	0.8000	10.0	10.0	0.0	30.0
n-Decane	Ave	2.300	2.213		9.62	10.0	-3.8	30.0
1,3-Dichlorobenzene	Ave	1.545	1.560		10.1	10.0	1.0	30.0
1,4-Dichlorobenzene	Ave	1.562	1.566		10.0	10.0	0.2	30.0
Benzyl alcohol	Ave	1.281	1.275		9.96	10.0	-0.4	30.0
1,2-Dichlorobenzene	Ave	1.487	1.493		10.0	10.0	0.4	30.0
2-Methylphenol	Ave	1.738	1.785	0.7000	10.3	10.0	2.7	30.0
bis (2-chloroisopropyl) ether	Ave	2.612	2.567		9.83	10.0	-1.7	30.0
Indene	Ave	2.692	2.672		19.8	20.0	-0.8	30.0
3 & 4 Methylphenol	Ave	1.836	1.834		9.99	10.0	-0.0	30.0
N-Nitrosodi-n-propylamine	Ave	1.203	1.175	0.5000	9.77	10.0	-2.3	30.0
Acetophenone	Ave	2.276	2.225	0.0100	9.78	10.0	-2.2	30.0
Hexachloroethane	Ave	0.6369	0.6315	0.3000	9.91	10.0	-0.9	30.0
Nitrobenzene	Ave	0.4265	0.4128	0.2000	9.68	10.0	-3.2	30.0
Isophorone	Ave	0.7995	0.7856	0.4000	9.83	10.0	-1.7	30.0
2-Nitrophenol	Ave	0.1715	0.1659	0.1000	9.67	10.0	-3.3	30.0
2,4-Dimethylphenol	Ave	0.3630	0.3462	0.2000	9.54	10.0	-4.6	30.0
Benzoic acid	Ave	0.2007	0.2153		21.5	20.0	7.3	30.0
Bis(2-chloroethoxy)methane	Ave	0.5177	0.4966	0.3000	9.59	10.0	-4.1	30.0
2,4-Dichlorophenol	Ave	0.2493	0.2423	0.2000	9.72	10.0	-2.8	30.0
1,2,4-Trichlorobenzene	Ave	0.2548	0.2536		9.95	10.0	-0.5	30.0
Naphthalene	Ave	1.056	1.035	0.7000	9.80	10.0	-2.0	30.0
4-Chloroaniline	Ave	0.4836	0.4673	0.0100	9.66	10.0	-3.4	30.0
2,6-Dichlorophenol	Ave	0.2403	0.2391		9.95	10.0	-0.5	30.0
Hexachlorobutadiene	Ave	0.1055	0.1043	0.0100	9.89	10.0	-1.1	30.0
Caprolactam	Ave	0.1206	0.1185	0.0100	19.6	20.0	-1.8	30.0
4-Chloro-3-methylphenol	Ave	0.3204	0.3110	0.2000	9.71	10.0	-2.9	30.0
2-Methylnaphthalene	Ave	0.6435	0.5990	0.4000	9.31	10.0	-6.9	30.0
1-Methylnaphthalene	Ave	0.5594	0.5641		10.1	10.0	0.8	30.0
Hexachlorocyclopentadiene	Ave	0.2335	0.2198	0.0500	9.41	10.0	-5.9	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4013	0.3799	0.0100	9.47	10.0	-5.3	30.0
2,4,6-Trichlorophenol	Ave	0.3276	0.3227	0.2000	9.85	10.0	-1.5	30.0
2,4,5-Trichlorophenol	Ave	0.3425	0.3412	0.2000	9.96	10.0	-0.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Lab Sample ID: ICV 240-181541/11 Calibration Date: 05/19/2015 19:58

Instrument ID: A4HP9 Calib Start Date: 05/19/2015 16:13

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 05/19/2015 19:33

Lab File ID: 50519011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1'-Biphenyl	Ave	1.528	1.461	0.0100	9.56	10.0	-4.4	30.0
2-Chloronaphthalene	Ave	1.127	1.079	0.8000	9.57	10.0	-4.3	30.0
2-Nitroaniline	Ave	0.4439	0.4270	0.0100	9.62	10.0	-3.8	30.0
Dimethyl phthalate	Ave	1.149	1.127	0.0100	9.81	10.0	-1.9	30.0
1,3-Dinitrobenzene	Ave	0.1850	0.1852		10.0	10.0	0.0	30.0
2,6-Dinitrotoluene	Ave	0.2594	0.2674		10.3	10.0	3.1	30.0
Acenaphthylene	Ave	1.955	1.803	0.9000	9.22	10.0	-7.8	30.0
3-Nitroaniline	Ave	0.3816	0.3845	0.0100	10.1	10.0	0.7	30.0
2,4-Dinitrophenol	Ave	0.1257	0.1127	0.0100	17.9	20.0	-10.3	30.0
4-Nitrophenol	Ave	0.1185	0.1108		18.7	20.0	-6.5	30.0
Acenaphthene	Ave	1.123	1.080	0.9000	9.62	10.0	-3.8	30.0
2,4-Dinitrotoluene	Ave	0.3227	0.3269	0.2000	10.1	10.0	1.3	30.0
Dibenzofuran	Ave	1.523	1.432	0.8000	9.40	10.0	-6.0	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.2445	0.2379	0.0100	9.73	10.0	-2.7	30.0
Diethyl phthalate	Ave	1.107	1.052	0.0100	9.50	10.0	-5.0	30.0
Hexadecane	Ave	1.234	1.167		9.46	10.0	-5.4	30.0
4-Chlorophenyl phenyl ether	Ave	0.4981	0.4688	0.4000	9.41	10.0	-5.9	30.0
4-Nitroaniline	Ave	0.3296	0.3075	0.0100	9.33	10.0	-6.7	30.0
Fluorene	Ave	1.237	1.155	0.9000	9.34	10.0	-6.6	30.0
4,6-Dinitro-2-methylphenol	Ave	0.0925	0.0932	0.0100	20.2	20.0	0.8	30.0
N-Nitrosodiphenylamine	Ave	0.5447	0.5685	0.0100	20.9	20.0	4.4	30.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.191	1.277		10.7	10.0	7.2	30.0
Azobenzene	Ave	1.193	1.277		10.7	10.0	7.0	30.0
4-Bromophenyl phenyl ether	Ave	0.1674	0.1740	0.1000	10.4	10.0	3.9	30.0
Atrazine	Ave	0.1482	0.1532	0.0100	20.7	20.0	3.3	30.0
Hexachlorobenzene	Ave	0.1506	0.1518	0.1000	10.1	10.0	0.8	30.0
n-Octadecane	Ave	0.8533	0.8589		10.1	10.0	0.7	30.0
Pentachlorophenol	Ave	0.1092	0.1129	0.0500	20.7	20.0	3.4	30.0
Phenanthrene	Ave	1.145	1.081	0.7000	9.44	10.0	-5.6	30.0
Anthracene	Ave	1.159	1.131	0.7000	9.75	10.0	-2.5	30.0
Carbazole	Ave	1.046	1.021	0.0100	9.76	10.0	-2.4	30.0
Di-n-butyl phthalate	Ave	1.229	1.343	0.0100	10.9	10.0	9.3	30.0
Fluoranthene	Ave	0.9936	1.015	0.6000	10.2	10.0	2.2	30.0
Benzidine	Ave	0.6601	0.6002		18.2	20.0	-9.1	30.0
Pyrene	Ave	1.212	1.117	0.6000	9.21	10.0	-7.9	30.0
Butyl benzyl phthalate	Ave	0.6609	0.6396	0.0100	9.68	10.0	-3.2	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.9242	0.8756	0.0100	9.47	10.0	-5.3	30.0
3,3'-Dichlorobenzidine	Ave	0.3475	0.3233	0.0100	18.6	20.0	-7.0	30.0
Benzo[a]anthracene	Ave	1.130	1.054	0.8000	9.33	10.0	-6.7	30.0
Chrysene	Ave	1.028	1.064	0.7000	10.3	10.0	3.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Lab Sample ID: ICV 240-181541/11 Calibration Date: 05/19/2015 19:58

Instrument ID: A4HP9 Calib Start Date: 05/19/2015 16:13

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 05/19/2015 19:33

Lab File ID: 50519011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	2.107	2.158	0.0100	10.2	10.0	2.4	30.0
Benzo[b]fluoranthene	Ave	1.234	1.214	0.7000	9.83	10.0	-1.7	30.0
Benzo[k]fluoranthene	Ave	1.259	1.300	0.7000	10.3	10.0	3.2	30.0
Benzo[a]pyrene	Ave	1.182	1.199	0.7000	10.1	10.0	1.5	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.102	1.076	0.5000	9.76	10.0	-2.4	30.0
Dibenz(a,h)anthracene	Ave	0.9270	0.9027	0.4000	9.74	10.0	-2.6	30.0
Benzo[g,h,i]perylene	Ave	0.9195	0.8512	0.5000	9.26	10.0	-7.4	30.0
2-Fluorophenol (Surr)	Ave	1.729	1.923		11.1	10.0	11.2	30.0
Phenol-d5 (Surr)	Ave	2.335	2.596		11.1	10.0	11.2	30.0
Nitrobenzene-d5 (Surr)	Ave	0.4097	0.4442		10.8	10.0	8.4	30.0
2-Fluorobiphenyl (Surr)	Ave	1.141	1.243		10.9	10.0	9.0	30.0
2,4,6-Tribromophenol (Surr)	Ave	0.1049	0.1158		11.0	10.0	10.3	30.0
Terphenyl-d14 (Surr)	Ave	0.7676	0.7679		10.0	10.0	0.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Lab Sample ID: CCV 240-182204/2 Calibration Date: 05/24/2015 09:19

Instrument ID: A4HP9 Calib Start Date: 05/19/2015 16:13

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 05/19/2015 19:33

Lab File ID: 50524002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.9041	0.9037		10.0	10.0	-0.0	20.0
N-Nitrosodimethylamine	Ave	1.396	1.369		9.80	10.0	-2.0	20.0
Pyridine	Ave	2.418	2.459		10.2	10.0	1.7	20.0
Benzaldehyde	Ave	1.430	1.333	0.0100	18.6	20.0	-6.8	20.0
Phenol	Ave	2.551	2.433	0.8000	9.54	10.0	-4.6	20.0
Aniline	Ave	3.116	3.008		9.65	10.0	-3.5	20.0
Bis(2-chloroethyl)ether	Ave	2.009	2.125	0.7000	10.6	10.0	5.8	20.0
2-Chlorophenol	Ave	1.581	1.610	0.8000	10.2	10.0	1.8	20.0
n-Decane	Ave	2.300	2.183		9.49	10.0	-5.1	20.0
1,3-Dichlorobenzene	Ave	1.545	1.587		10.3	10.0	2.7	20.0
1,4-Dichlorobenzene	Ave	1.562	1.592		10.2	10.0	1.9	20.0
Benzyl alcohol	Ave	1.281	1.252		9.78	10.0	-2.2	20.0
1,2-Dichlorobenzene	Ave	1.487	1.526		10.3	10.0	2.6	20.0
2-Methylphenol	Ave	1.738	1.743	0.7000	10.0	10.0	0.3	20.0
bis (2-chloroisopropyl) ether	Ave	2.612	2.559		9.80	10.0	-2.0	20.0
Indene	Ave	2.692	2.522		18.7	20.0	-6.3	20.0
3 & 4 Methylphenol	Ave	1.836	1.779		9.69	10.0	-3.1	20.0
N-Nitrosodi-n-propylamine	Ave	1.203	1.150	0.5000	9.56	10.0	-4.4	20.0
Acetophenone	Ave	2.276	2.250	0.0100	9.89	10.0	-1.1	20.0
Hexachloroethane	Ave	0.6369	0.6362	0.3000	9.99	10.0	-0.1	20.0
Nitrobenzene	Ave	0.4265	0.4448	0.2000	10.4	10.0	4.3	20.0
Isophorone	Ave	0.7995	0.7812	0.4000	9.77	10.0	-2.3	20.0
2-Nitrophenol	Ave	0.1715	0.1772	0.1000	10.3	10.0	3.3	20.0
2,4-Dimethylphenol	Ave	0.3630	0.3561	0.2000	9.81	10.0	-1.9	20.0
Benzoic acid	Ave	0.2007	0.2116		21.1	20.0	5.4	20.0
Bis(2-chloroethoxy)methane	Ave	0.5177	0.5062	0.3000	9.78	10.0	-2.2	20.0
2,4-Dichlorophenol	Ave	0.2493	0.2464	0.2000	9.88	10.0	-1.2	20.0
1,2,4-Trichlorobenzene	Ave	0.2548	0.2544		9.99	10.0	-0.1	20.0
Naphthalene	Ave	1.056	1.035	0.7000	9.80	10.0	-2.0	20.0
4-Chloroaniline	Ave	0.4836	0.4787	0.0100	9.90	10.0	-1.0	20.0
2,6-Dichlorophenol	Ave	0.2403	0.2447		10.2	10.0	1.9	20.0
Hexachlorobutadiene	Ave	0.1055	0.1074	0.0100	10.2	10.0	1.8	20.0
Caprolactam	Ave	0.1206	0.1193	0.0100	19.8	20.0	-1.1	20.0
4-Chloro-3-methylphenol	Ave	0.3204	0.3122	0.2000	9.74	10.0	-2.6	20.0
2-Methylnaphthalene	Ave	0.6435	0.6116	0.4000	9.50	10.0	-5.0	20.0
1-Methylnaphthalene	Ave	0.5594	0.5442		9.73	10.0	-2.7	20.0
Hexachlorocyclopentadiene	Ave	0.2335	0.2309	0.0500	9.89	10.0	-1.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4013	0.3846	0.0100	9.58	10.0	-4.2	20.0
2,4,6-Trichlorophenol	Ave	0.3276	0.3316	0.2000	10.1	10.0	1.2	20.0
2,4,5-Trichlorophenol	Ave	0.3425	0.3493	0.2000	10.2	10.0	2.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Lab Sample ID: CCV 240-182204/2 Calibration Date: 05/24/2015 09:19

Instrument ID: A4HP9 Calib Start Date: 05/19/2015 16:13

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 05/19/2015 19:33

Lab File ID: 50524002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1'-Biphenyl	Ave	1.528	1.466	0.0100	9.59	10.0	-4.1	20.0
2-Chloronaphthalene	Ave	1.127	1.102	0.8000	9.77	10.0	-2.3	20.0
2-Nitroaniline	Ave	0.4439	0.4656	0.0100	10.5	10.0	4.9	20.0
Dimethyl phthalate	Ave	1.149	1.191	0.0100	10.4	10.0	3.6	20.0
1,3-Dinitrobenzene	Ave	0.1850	0.2142		11.6	10.0	15.8	20.0
2,6-Dinitrotoluene	Ave	0.2594	0.2994		11.5	10.0	15.4	20.0
Acenaphthylene	Ave	1.955	1.907	0.9000	9.75	10.0	-2.5	20.0
3-Nitroaniline	Ave	0.3816	0.3964	0.0100	10.4	10.0	3.9	20.0
2,4-Dinitrophenol	Ave	0.1257	0.1480	0.0100	23.6	20.0	17.8	20.0
Acenaphthene	Ave	1.123	1.071	0.9000	9.54	10.0	-4.6	20.0
4-Nitrophenol	Ave	0.1185	0.1436		24.2	20.0	21.2*	20.0
2,4-Dinitrotoluene	Ave	0.3227	0.3682	0.2000	11.4	10.0	14.1	20.0
Dibenzofuran	Ave	1.523	1.520	0.8000	9.98	10.0	-0.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2445	0.2438	0.0100	9.97	10.0	-0.3	20.0
Diethyl phthalate	Ave	1.107	1.068	0.0100	9.65	10.0	-3.5	20.0
Hexadecane	Ave	1.234	1.119		9.07	10.0	-9.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.4981	0.4841	0.4000	9.72	10.0	-2.8	20.0
4-Nitroaniline	Ave	0.3296	0.3738	0.0100	11.3	10.0	13.4	20.0
Fluorene	Ave	1.237	1.184	0.9000	9.57	10.0	-4.3	20.0
4,6-Dinitro-2-methylphenol	Ave	0.0925	0.1098	0.0100	23.8	20.0	18.8	20.0
N-Nitrosodiphenylamine	Ave	0.5447	0.4951	0.0100	18.2	20.0	-9.1	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.191	1.183		9.92	10.0	-0.7	20.0
Azobenzene	Ave	1.193	1.184		9.92	10.0	-0.8	20.0
4-Bromophenyl phenyl ether	Ave	0.1674	0.1644	0.1000	9.82	10.0	-1.8	20.0
Hexachlorobenzene	Ave	0.1506	0.1342	0.1000	8.91	10.0	-10.9	20.0
Atrazine	Ave	0.1482	0.1448	0.0100	19.5	20.0	-2.3	20.0
n-Octadecane	Ave	0.8533	0.7530		8.82	10.0	-11.8	20.0
Pentachlorophenol	Ave	0.1092	0.1023	0.0500	18.7	20.0	-6.3	20.0
Phenanthrene	Ave	1.145	1.081	0.7000	9.44	10.0	-5.6	20.0
Anthracene	Ave	1.159	1.105	0.7000	9.53	10.0	-4.7	20.0
Carbazole	Ave	1.046	1.066	0.0100	10.2	10.0	2.0	20.0
Di-n-butyl phthalate	Ave	1.229	1.378	0.0100	11.2	10.0	12.1	20.0
Fluoranthene	Ave	0.9936	1.046	0.6000	10.5	10.0	5.2	20.0
Benzidine	Ave	0.6601	0.6970		21.1	20.0	5.6	20.0
Pyrene	Ave	1.212	1.230	0.6000	10.1	10.0	1.4	20.0
Butyl benzyl phthalate	Ave	0.6609	0.7164	0.0100	10.8	10.0	8.4	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9242	1.025	0.0100	11.1	10.0	10.9	20.0
3,3'-Dichlorobenzidine	Ave	0.3475	0.3427	0.0100	19.7	20.0	-1.4	20.0
Benzo[a]anthracene	Ave	1.130	1.101	0.8000	9.75	10.0	-2.5	20.0
Chrysene	Ave	1.028	1.052	0.7000	10.2	10.0	2.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Lab Sample ID: CCV 240-182204/2 Calibration Date: 05/24/2015 09:19

Instrument ID: A4HP9 Calib Start Date: 05/19/2015 16:13

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 05/19/2015 19:33

Lab File ID: 50524002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	2.107	2.268	0.0100	10.8	10.0	7.7	20.0
Benzo[b]fluoranthene	Ave	1.234	1.206	0.7000	9.77	10.0	-2.3	20.0
Benzo[k]fluoranthene	Ave	1.259	1.342	0.7000	10.7	10.0	6.6	20.0
Benzo[a]pyrene	Ave	1.182	1.217	0.7000	10.3	10.0	3.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.102	1.195	0.5000	10.8	10.0	8.5	20.0
Dibenz(a,h)anthracene	Ave	0.9270	0.9811	0.4000	10.6	10.0	5.8	20.0
Benzo[g,h,i]perylene	Ave	0.9195	0.9867	0.5000	10.7	10.0	7.3	20.0
2-Fluorophenol (Surr)	Ave	1.729	1.778		10.3	10.0	2.8	20.0
Phenol-d5 (Surr)	Ave	2.335	2.294		9.83	10.0	-1.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4097	0.4253		10.4	10.0	3.8	20.0
2-Fluorobiphenyl (Surr)	Ave	1.141	1.134		9.94	10.0	-0.6	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1049	0.1022		9.74	10.0	-2.6	20.0
Terphenyl-d14 (Surr)	Ave	0.7676	0.7396		9.63	10.0	-3.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Lab Sample ID: CCV 240-182251/2 Calibration Date: 05/26/2015 07:52

Instrument ID: A4HP9 Calib Start Date: 05/19/2015 16:13

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 05/19/2015 19:33

Lab File ID: 50526002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.9041	0.9480		10.5	10.0	4.9	20.0
N-Nitrosodimethylamine	Ave	1.396	1.361		9.74	10.0	-2.6	20.0
Pyridine	Ave	2.418	2.483		10.3	10.0	2.7	20.0
Benzaldehyde	Ave	1.430	1.357	0.0100	19.0	20.0	-5.2	20.0
Phenol	Ave	2.551	2.445	0.8000	9.59	10.0	-4.1	20.0
Aniline	Ave	3.116	3.019		9.69	10.0	-3.1	20.0
Bis(2-chloroethyl)ether	Ave	2.009	2.106	0.7000	10.5	10.0	4.8	20.0
2-Chlorophenol	Ave	1.581	1.623	0.8000	10.3	10.0	2.7	20.0
n-Decane	Ave	2.300	2.198		9.56	10.0	-4.4	20.0
1,3-Dichlorobenzene	Ave	1.545	1.609		10.4	10.0	4.1	20.0
1,4-Dichlorobenzene	Ave	1.562	1.615		10.3	10.0	3.4	20.0
Benzyl alcohol	Ave	1.281	1.263		9.86	10.0	-1.4	20.0
1,2-Dichlorobenzene	Ave	1.487	1.544		10.4	10.0	3.9	20.0
2-Methylphenol	Ave	1.738	1.733	0.7000	9.97	10.0	-0.3	20.0
bis (2-chloroisopropyl) ether	Ave	2.612	2.528		9.68	10.0	-3.2	20.0
Indene	Ave	2.692	2.527		18.8	20.0	-6.2	20.0
3 & 4 Methylphenol	Ave	1.836	1.762		9.60	10.0	-4.0	20.0
N-Nitrosodi-n-propylamine	Ave	1.203	1.121	0.5000	9.32	10.0	-6.8	20.0
Acetophenone	Ave	2.276	2.242	0.0100	9.85	10.0	-1.5	20.0
Hexachloroethane	Ave	0.6369	0.6382	0.3000	10.0	10.0	0.2	20.0
Nitrobenzene	Ave	0.4265	0.4458	0.2000	10.5	10.0	4.5	20.0
Isophorone	Ave	0.7995	0.8004	0.4000	10.0	10.0	0.1	20.0
2-Nitrophenol	Ave	0.1715	0.1823	0.1000	10.6	10.0	6.3	20.0
2,4-Dimethylphenol	Ave	0.3630	0.3634	0.2000	10.0	10.0	0.1	20.0
Benzoic acid	Ave	0.2007	0.2139		21.3	20.0	6.6	20.0
Bis(2-chloroethoxy)methane	Ave	0.5177	0.5040	0.3000	9.74	10.0	-2.6	20.0
2,4-Dichlorophenol	Ave	0.2493	0.2553	0.2000	10.2	10.0	2.4	20.0
1,2,4-Trichlorobenzene	Ave	0.2548	0.2557		10.0	10.0	0.4	20.0
Naphthalene	Ave	1.056	1.043	0.7000	9.87	10.0	-1.3	20.0
4-Chloroaniline	Ave	0.4836	0.4786	0.0100	9.90	10.0	-1.0	20.0
2,6-Dichlorophenol	Ave	0.2403	0.2474		10.3	10.0	3.0	20.0
Hexachlorobutadiene	Ave	0.1055	0.1076	0.0100	10.2	10.0	2.0	20.0
Caprolactam	Ave	0.1206	0.1206	0.0100	20.0	20.0	-0.0	20.0
4-Chloro-3-methylphenol	Ave	0.3204	0.3188	0.2000	9.95	10.0	-0.5	20.0
2-Methylnaphthalene	Ave	0.6435	0.6282	0.4000	9.76	10.0	-2.4	20.0
1-Methylnaphthalene	Ave	0.5594	0.5593		10.0	10.0	-0.0	20.0
Hexachlorocyclopentadiene	Ave	0.2335	0.2151	0.0500	9.21	10.0	-7.9	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4013	0.3820	0.0100	9.52	10.0	-4.8	20.0
2,4,6-Trichlorophenol	Ave	0.3276	0.3211	0.2000	9.80	10.0	-2.0	20.0
2,4,5-Trichlorophenol	Ave	0.3425	0.3317	0.2000	9.69	10.0	-3.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Lab Sample ID: CCV 240-182251/2 Calibration Date: 05/26/2015 07:52

Instrument ID: A4HP9 Calib Start Date: 05/19/2015 16:13

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 05/19/2015 19:33

Lab File ID: 50526002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1'-Biphenyl	Ave	1.528	1.426	0.0100	9.33	10.0	-6.7	20.0
2-Chloronaphthalene	Ave	1.127	1.072	0.8000	9.51	10.0	-4.9	20.0
2-Nitroaniline	Ave	0.4439	0.4505	0.0100	10.1	10.0	1.5	20.0
Dimethyl phthalate	Ave	1.149	1.146	0.0100	9.97	10.0	-0.3	20.0
1,3-Dinitrobenzene	Ave	0.1850	0.2068		11.2	10.0	11.7	20.0
2,6-Dinitrotoluene	Ave	0.2594	0.2825		10.9	10.0	8.9	20.0
Acenaphthylene	Ave	1.955	1.843	0.9000	9.43	10.0	-5.7	20.0
3-Nitroaniline	Ave	0.3816	0.3807	0.0100	9.98	10.0	-0.2	20.0
2,4-Dinitrophenol	Ave	0.1257	0.1281	0.0100	20.4	20.0	1.9	20.0
Acenaphthene	Ave	1.123	1.088	0.9000	9.69	10.0	-3.1	20.0
4-Nitrophenol	Ave	0.1185	0.1383		23.3	20.0	16.7	20.0
2,4-Dinitrotoluene	Ave	0.3227	0.3519	0.2000	10.9	10.0	9.0	20.0
Dibenzofuran	Ave	1.523	1.454	0.8000	9.55	10.0	-4.5	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2445	0.2389	0.0100	9.77	10.0	-2.3	20.0
Diethyl phthalate	Ave	1.107	1.025	0.0100	9.26	10.0	-7.4	20.0
Hexadecane	Ave	1.234	1.075		8.71	10.0	-12.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.4981	0.4786	0.4000	9.61	10.0	-3.9	20.0
4-Nitroaniline	Ave	0.3296	0.3357	0.0100	10.2	10.0	1.9	20.0
Fluorene	Ave	1.237	1.159	0.9000	9.37	10.0	-6.3	20.0
4,6-Dinitro-2-methylphenol	Ave	0.0925	0.1070	0.0100	23.2	20.0	15.8	20.0
N-Nitrosodiphenylamine	Ave	0.5447	0.5023	0.0100	18.4	20.0	-7.8	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.191	1.184		9.93	10.0	-0.6	20.0
Azobenzene	Ave	1.193	1.184		9.93	10.0	-0.7	20.0
4-Bromophenyl phenyl ether	Ave	0.1674	0.1674	0.1000	10.0	10.0	-0.0	20.0
Hexachlorobenzene	Ave	0.1506	0.1396	0.1000	9.27	10.0	-7.3	20.0
Atrazine	Ave	0.1482	0.1501	0.0100	20.3	20.0	1.3	20.0
n-Octadecane	Ave	0.8533	0.7217		8.46	10.0	-15.4	20.0
Pentachlorophenol	Ave	0.1092	0.1026	0.0500	18.8	20.0	-6.0	20.0
Phenanthrene	Ave	1.145	1.100	0.7000	9.61	10.0	-3.9	20.0
Anthracene	Ave	1.159	1.114	0.7000	9.61	10.0	-3.9	20.0
Carbazole	Ave	1.046	1.084	0.0100	10.4	10.0	3.7	20.0
Di-n-butyl phthalate	Ave	1.229	1.382	0.0100	11.2	10.0	12.5	20.0
Fluoranthene	Ave	0.9936	1.061	0.6000	10.7	10.0	6.7	20.0
Benzidine	Ave	0.6601	0.6592		20.0	20.0	-0.1	20.0
Pyrene	Ave	1.212	1.248	0.6000	10.3	10.0	2.9	20.0
Butyl benzyl phthalate	Ave	0.6609	0.7050	0.0100	10.7	10.0	6.7	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9242	1.009	0.0100	10.9	10.0	9.1	20.0
3,3'-Dichlorobenzidine	Ave	0.3475	0.3487	0.0100	20.1	20.0	0.4	20.0
Benzo[a]anthracene	Ave	1.130	1.089	0.8000	9.63	10.0	-3.7	20.0
Chrysene	Ave	1.028	1.028	0.7000	10.0	10.0	0.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Lab Sample ID: CCV 240-182251/2 Calibration Date: 05/26/2015 07:52

Instrument ID: A4HP9 Calib Start Date: 05/19/2015 16:13

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 05/19/2015 19:33

Lab File ID: 50526002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	2.107	2.267	0.0100	10.8	10.0	7.6	20.0
Benzo[b]fluoranthene	Ave	1.234	1.249	0.7000	10.1	10.0	1.2	20.0
Benzo[k]fluoranthene	Ave	1.259	1.332	0.7000	10.6	10.0	5.8	20.0
Benzo[a]pyrene	Ave	1.182	1.194	0.7000	10.1	10.0	1.1	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.102	1.212	0.5000	11.0	10.0	10.0	20.0
Dibenz(a,h)anthracene	Ave	0.9270	0.9867	0.4000	10.6	10.0	6.4	20.0
Benzo[g,h,i]perylene	Ave	0.9195	1.006	0.5000	10.9	10.0	9.4	20.0
2-Fluorophenol (Surr)	Ave	1.729	1.750		10.1	10.0	1.2	20.0
Phenol-d5 (Surr)	Ave	2.335	2.288		9.80	10.0	-2.0	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4097	0.4290		10.5	10.0	4.7	20.0
2-Fluorobiphenyl (Surr)	Ave	1.141	1.107		9.70	10.0	-3.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1049	0.0998		9.51	10.0	-4.9	20.0
Terphenyl-d14 (Surr)	Ave	0.7676	0.7212		9.40	10.0	-6.0	20.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51073-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-182098/17-A

Matrix: Solid | Lab File ID: 50524018.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 30(g) | Date Analyzed: 05/24/2015 15:55

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182204 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.76	U	6.7	0.76
208-96-8	Acenaphthylene	0.35	U	6.7	0.35
120-12-7	Anthracene	0.78	U	6.7	0.78
56-55-3	Benzo[a]anthracene	0.63	U	6.7	0.63
50-32-8	Benzo[a]pyrene	0.64	U	6.7	0.64
205-99-2	Benzo[b]fluoranthene	0.59	U	6.7	0.59
191-24-2	Benzo[g,h,i]perylene	0.35	U	6.7	0.35
207-08-9	Benzo[k]fluoranthene	0.68	U	6.7	0.68
218-01-9	Chrysene	1.1	U	6.7	1.1
53-70-3	Dibenz(a,h)anthracene	0.66	U	6.7	0.66
206-44-0	Fluoranthene	0.55	U	6.7	0.55
86-73-7	Fluorene	0.53	U	6.7	0.53
193-39-5	Indeno[1,2,3-cd]pyrene	0.35	U	6.7	0.35
91-20-3	Naphthalene	0.82	U	6.7	0.82
85-01-8	Phenanthrene	0.73	U	6.7	0.73
129-00-0	Pyrene	0.44	U	6.7	0.44

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	75		34-110
4165-62-2	Phenol-d5 (Surr)	78		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	70		24-110
367-12-4	2-Fluorophenol (Surr)	77		31-110
321-60-8	2-Fluorobiphenyl (Surr)	73		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	59		19-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51073-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-182098/18-A

Matrix: Solid | Lab File ID: 50524019.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 30(g) | Date Analyzed: 05/24/2015 16:20

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182204 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	477		6.7	0.76
208-96-8	Acenaphthylene	466		6.7	0.35
120-12-7	Anthracene	480		6.7	0.78
56-55-3	Benzo[a]anthracene	491		6.7	0.63
50-32-8	Benzo[a]pyrene	589		6.7	0.64
205-99-2	Benzo[b]fluoranthene	560		6.7	0.59
191-24-2	Benzo[g,h,i]perylene	643		6.7	0.35
207-08-9	Benzo[k]fluoranthene	606		6.7	0.68
218-01-9	Chrysene	528		6.7	1.1
53-70-3	Dibenz(a,h)anthracene	612		6.7	0.66
206-44-0	Fluoranthene	534		6.7	0.55
86-73-7	Fluorene	472		6.7	0.53
193-39-5	Indeno[1,2,3-cd]pyrene	642		6.7	0.35
91-20-3	Naphthalene	479		6.7	0.82
85-01-8	Phenanthrene	483		6.7	0.73
129-00-0	Pyrene	528		6.7	0.44

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	75		34-110
4165-62-2	Phenol-d5 (Surr)	77		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	77		24-110
367-12-4	2-Fluorophenol (Surr)	77		31-110
321-60-8	2-Fluorobiphenyl (Surr)	73		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	71		19-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51073-1

SDG No.:

Client Sample ID: H-DUP01 MS | Lab Sample ID: 240-51073-8 MS

Matrix: Solid | Lab File ID: 50526025.D

Analysis Method: 8270D | Date Collected: 05/20/2015 00:00

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 29.99(g) | Date Analyzed: 05/26/2015 17:29

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 14.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	506		7.8	0.89
208-96-8	Acenaphthylene	490		7.8	0.41
120-12-7	Anthracene	518		7.8	0.91
56-55-3	Benzo[a]anthracene	548		7.8	0.74
50-32-8	Benzo[a]pyrene	647		7.8	0.75
205-99-2	Benzo[b]fluoranthene	627		7.8	0.69
191-24-2	Benzo[g,h,i]perylene	725		7.8	0.41
207-08-9	Benzo[k]fluoranthene	621		7.8	0.80
218-01-9	Chrysene	589		7.8	1.3
53-70-3	Dibenz(a,h)anthracene	657		7.8	0.77
206-44-0	Fluoranthene	593		7.8	0.65
86-73-7	Fluorene	504		7.8	0.62
193-39-5	Indeno[1,2,3-cd]pyrene	707		7.8	0.41
91-20-3	Naphthalene	490		7.8	0.96
85-01-8	Phenanthrene	534		7.8	0.86
129-00-0	Pyrene	611		7.8	0.52

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	66		34-110
4165-62-2	Phenol-d5 (Surr)	68		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	68		24-110
367-12-4	2-Fluorophenol (Surr)	68		31-110
321-60-8	2-Fluorobiphenyl (Surr)	65		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	64		19-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51073-1

SDG No.:

Client Sample ID: H-DUP01 MSD | Lab Sample ID: 240-51073-8 MSD

Matrix: Solid | Lab File ID: 50526026.D

Analysis Method: 8270D | Date Collected: 05/20/2015 00:00

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 30.47(g) | Date Analyzed: 05/26/2015 17:54

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 14.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182251 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	507		7.7	0.88
208-96-8	Acenaphthylene	501		7.7	0.40
120-12-7	Anthracene	528		7.7	0.90
56-55-3	Benzo[a]anthracene	579		7.7	0.73
50-32-8	Benzo[a]pyrene	656		7.7	0.74
205-99-2	Benzo[b]fluoranthene	621		7.7	0.68
191-24-2	Benzo[g,h,i]perylene	758		7.7	0.40
207-08-9	Benzo[k]fluoranthene	647		7.7	0.79
218-01-9	Chrysene	629		7.7	1.3
53-70-3	Dibenz(a,h)anthracene	684		7.7	0.76
206-44-0	Fluoranthene	614		7.7	0.64
86-73-7	Fluorene	501		7.7	0.61
193-39-5	Indeno[1,2,3-cd]pyrene	718		7.7	0.40
91-20-3	Naphthalene	506		7.7	0.95
85-01-8	Phenanthrene	540		7.7	0.84
129-00-0	Pyrene	634		7.7	0.51

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	70		34-110
4165-62-2	Phenol-d5 (Surr)	71		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	69		24-110
367-12-4	2-Fluorophenol (Surr)	71		31-110
321-60-8	2-Fluorobiphenyl (Surr)	64		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	64		19-110

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Instrument ID: A4HP9 Start Date: 05/19/2015 15:52

Analysis Batch Number: 181541 End Date: 05/19/2015 22:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-181541/1		05/19/2015 15:52	1	50519001.D	RXI-5SILMS 0.45(mm)
STD5 240-181541/2 IC		05/19/2015 16:13	1	50519002.D	RXI-5SILMS 0.45(mm)
STD4 240-181541/3 IC		05/19/2015 16:38	1	50519003.D	RXI-5SILMS 0.45(mm)
STD3 240-181541/4 IC		05/19/2015 17:03	1	50519004.D	RXI-5SILMS 0.45(mm)
STD2 240-181541/5 IC		05/19/2015 17:28	1	50519005.D	RXI-5SILMS 0.45(mm)
STD1 240-181541/6 IC		05/19/2015 17:53	1	50519006.D	RXI-5SILMS 0.45(mm)
STD9 240-181541/7 IC		05/19/2015 18:18	1	50519007.D	RXI-5SILMS 0.45(mm)
STD8 240-181541/8 IC		05/19/2015 18:43	1	50519008.D	RXI-5SILMS 0.45(mm)
STD7 240-181541/9 IC		05/19/2015 19:08	1	50519009.D	RXI-5SILMS 0.45(mm)
STD6 240-181541/10 ICIS		05/19/2015 19:33	1	50519010.D	RXI-5SILMS 0.45(mm)
ICV 240-181541/11		05/19/2015 19:58	1	50519011.D	RXI-5SILMS 0.45(mm)
ZZZZZ		05/19/2015 21:13	200		RXI-5SILMS 0.45(mm)
ZZZZZ		05/19/2015 21:39	100		RXI-5SILMS 0.45(mm)
ZZZZZ		05/19/2015 22:03	50		RXI-5SILMS 0.45(mm)
ZZZZZ		05/19/2015 22:28	50		RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Instrument ID: A4HP9 Start Date: 05/24/2015 08:58

Analysis Batch Number: 182204 End Date: 05/24/2015 18:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-182204/1		05/24/2015 08:58	1	50524001.D	RXI-5SILMS 0.45(mm)
CCV 240-182204/2 CCVIS		05/24/2015 09:19	1	50524002.D	RXI-5SILMS 0.45(mm)
ZZZZZ		05/24/2015 10:56	1		RXI-5SILMS 0.45(mm)
ZZZZZ		05/24/2015 11:21	1		RXI-5SILMS 0.45(mm)
ZZZZZ		05/24/2015 13:25	1		RXI-5SILMS 0.45(mm)
ZZZZZ		05/24/2015 13:50	1		RXI-5SILMS 0.45(mm)
ZZZZZ		05/24/2015 14:40	1		RXI-5SILMS 0.45(mm)
MB 240-182098/17-A		05/24/2015 15:55	1	50524018.D	RXI-5SILMS 0.45(mm)
LCS 240-182098/18-A		05/24/2015 16:20	1	50524019.D	RXI-5SILMS 0.45(mm)
ZZZZZ		05/24/2015 16:45	1		RXI-5SILMS 0.45(mm)
ZZZZZ		05/24/2015 17:11	1		RXI-5SILMS 0.45(mm)
ZZZZZ		05/24/2015 17:36	1		RXI-5SILMS 0.45(mm)
ZZZZZ		05/24/2015 18:01	1		RXI-5SILMS 0.45(mm)
ZZZZZ		05/24/2015 18:26	1		RXI-5SILMS 0.45(mm)
ZZZZZ		05/24/2015 18:51	1		RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Instrument ID: A4HP9 Start Date: 05/26/2015 07:30

Analysis Batch Number: 182251 End Date: 05/26/2015 17:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-182251/1		05/26/2015 07:30	1	50526001.D	RXI-5SILMS 0.45(mm)
CCV 240-182251/2 CCVIS		05/26/2015 07:52	1	50526002.D	RXI-5SILMS 0.45(mm)
240-51073-1	H-US-A-1-1	05/26/2015 14:08	1	50526017.D	RXI-5SILMS 0.45(mm)
240-51073-2	H-US-A-2-1	05/26/2015 14:33	1	50526018.D	RXI-5SILMS 0.45(mm)
240-51073-3	H-US-A-3-1	05/26/2015 14:58	1	50526019.D	RXI-5SILMS 0.45(mm)
240-51073-4	H-US-A-4-1	05/26/2015 15:23	1	50526020.D	RXI-5SILMS 0.45(mm)
240-51073-5	H-UB-A-1-2	05/26/2015 15:48	1	50526021.D	RXI-5SILMS 0.45(mm)
240-51073-6	H-UB-A-2-2	05/26/2015 16:14	1	50526022.D	RXI-5SILMS 0.45(mm)
240-51073-7	H-UB-A-3-2	05/26/2015 16:39	1	50526023.D	RXI-5SILMS 0.45(mm)
240-51073-8	H-DUP01	05/26/2015 17:04	1	50526024.D	RXI-5SILMS 0.45(mm)
240-51073-8 MS	H-DUP01 MS	05/26/2015 17:29	1	50526025.D	RXI-5SILMS 0.45(mm)
240-51073-8 MSD	H-DUP01 MSD	05/26/2015 17:54	1	50526026.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Batch Number: 182098 Batch Start Date: 05/22/15 12:31 Batch Analyst: Earle, Steve

Batch Method: 3550C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	exBENZALDEHYD 00022	EXBNASPIKE 00042	EXBNASURR W 00022	
240-51073-B-1	H-US-A-1-1	3550C, 8270D	T	29.83 g	2 mL			1 mL	
240-51073-B-2	H-US-A-2-1	3550C, 8270D	T	29.58 g	2 mL			1 mL	
240-51073-B-3	H-US-A-3-1	3550C, 8270D	T	30.45 g	2 mL			1 mL	
240-51073-B-4	H-US-A-4-1	3550C, 8270D	T	30.21 g	2 mL			1 mL	
240-51073-B-5	H-UB-A-1-2	3550C, 8270D	T	29.96 g	2 mL			1 mL	
240-51073-B-6	H-UB-A-2-2	3550C, 8270D	T	30.09 g	2 mL			1 mL	
240-51073-B-7	H-UB-A-3-2	3550C, 8270D	T	29.67 g	2 mL			1 mL	
240-51073-B-8	H-DUP01	3550C, 8270D	T	29.93 g	2 mL			1 mL	
240-51073-B-8 MS	H-DUP01	3550C, 8270D	T	29.99 g	2 mL	1 mL	1 mL	1 mL	
240-51073-B-8 MSD	H-DUP01	3550C, 8270D	T	30.47 g	2 mL	1 mL	1 mL	1 mL	
MB 240-182098/17		3550C, 8270D		30 g	2 mL			1 mL	
LCS 240-182098/18		3550C, 8270D		30 g	2 mL	1 mL	1 mL	1 mL	

Batch Notes	
Balance ID	1339912
Na2SO4 Lot Number	1942695
Prep Solvent Lot #	2002048

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-51073-1

SDG No.:

Project: MRC Soil Remediation (Block H)

Client Sample ID	Lab Sample ID
H-US-A-1-1	240-51073-1
H-US-A-2-1	240-51073-2
H-US-A-3-1	240-51073-3
H-US-A-4-1	240-51073-4
H-UB-A-1-2	240-51073-5
H-UB-A-2-2	240-51073-6
H-UB-A-3-2	240-51073-7
H-DUP01	240-51073-8

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-51073-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-51073-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 05/22/2015 17:23 End Date: 05/22/2015 17:23

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
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ZZZZZZ			17:23																				
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ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
240-51073-1	1	T	17:23	X	X																		
240-51073-2	1	T	17:23	X	X																		
240-51073-3	1	T	17:23	X	X																		
240-51073-4	1	T	17:23	X	X																		
240-51073-5	1	T	17:23	X	X																		
240-51073-6	1	T	17:23	X	X																		
240-51073-7	1	T	17:23	X	X																		
240-51073-8	1	T	17:23	X	X																		
240-50885-A-1 DU	1	T	17:23	X	X																		
ZZZZZZ			17:23																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 05/22/2015 17:23 End Date: 05/22/2015 17:23

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-51073-1

SDG No.:

Batch Number: 182160 Batch Start Date: 05/22/15 17:23 Batch Analyst: Eikelberry, Nicholas

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-51073-A-1	H-US-A-1-1	Moisture	T	4.2418 g	13.4609 g	11.9941 g			
240-51073-A-2	H-US-A-2-1	Moisture	T	4.2418 g	15.4668 g	13.8243 g			
240-51073-A-3	H-US-A-3-1	Moisture	T	4.2418 g	18.1127 g	15.1481 g			
240-51073-A-4	H-US-A-4-1	Moisture	T	4.2418 g	13.4903 g	11.7838 g			
240-51073-A-5	H-UB-A-1-2	Moisture	T	4.2418 g	17.8401 g	15.7530 g			
240-51073-A-6	H-UB-A-2-2	Moisture	T	4.2418 g	12.3595 g	10.9978 g			
240-51073-A-7	H-UB-A-3-2	Moisture	T	4.2418 g	14.5035 g	12.7278 g			
240-51073-A-8	H-DUP01	Moisture	T	4.2418 g	10.5467 g	9.6185 g			
240-50885-A-1 DU		Moisture	T	4.2418 g	12.1893 g	8.0850 g			

Batch Notes	
Balance ID	B047 No Unit
Date samples were placed in the oven	5/22/15
Oven Temp when samples are put in oven	103.1 Degrees C
Time samples were place in the oven	17:40
Date samples were removed from oven	5/26/15
Oven Temp when samples removed from oven	103.3 Degrees C
Time Samples were removed from oven	04:30
Oven ID	002
ID number of the thermometer	Tempguard Box C #6

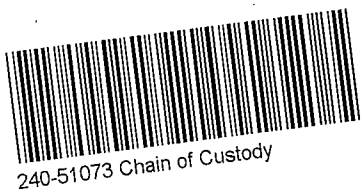
Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS



4101 Shuffel Street, N.W. North Canton, OH 44720 **tel** 330.497.9396 **fax** 330.497.0772 **www.testamericainc.com**

CHAIN OF CUSTODY RECORD

1,8/C0,6

PROJECT NO.:	SITE NAME:
112IC07483	MAL Sp.1 Remediation (Block H)

SAMPLERS (SIGNATURE): JOSH MULLIS

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CON-TAINERS	PAH (8270D)						REMARKS
	5/20	1408	X		H-VS-A-1-1	1	X						★3 DAY TAT
		1345	X		H-VS-A-2-1	1	X						★TESTAMERICA
		1347	X		H-VS-A-3-1	1	X						NORTH CANTON, OH ★
		1352	X		H-VS-A-4-1	1	X						
		1401		X	H-VB-A-1-2	1	X						
		1358		X	H-VB-A-2-2	1	X						
		1356		X	H-VB-A-3-2	1	X						
		—	X		H-DUP01	1	X						
						5/20/15							

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
	5/20 1545				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
	5-20 (BCD)	5-22-15 930			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	

Order No. 70440 (0693)

TestAmerica Canton Sample Receipt Form/Narrative Login # : 51073
Canton Facility

Client MRC Site Name _____ Cooler unpacked by:

Cooler Received on 5-22-15 Opened on 5-22-15

FedEx: 1st Grd ~~Exp~~ UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box ~~Client Cooler~~ Box Other _____

Packing material used: ~~Bubble~~ Wrap Foam Plastic Bag None Other _____

COOLANT: ~~Wet Ice~~ Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

~~IR GUN# A (CF +4.0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C~~

IR GUN# 4 (CF +0.5 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C ☐ See Multiple Cooler Form

~~IR GUN# 5 (CF +0.4 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C~~

IR GUN# 8 (CF -1.2 °C) Observed Cooler Temp. 1.8 °C Corrected Cooler Temp. 0.6 °C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1	~~Yes~~	No
-Were custody seals on the outside of the cooler(s) signed & dated?	~~Yes~~	No NA
-Were custody seals on the bottle(s)?	Yes	~~No~~
3. Shippers' packing slip attached to the cooler(s)?	~~Yes~~	No
4. Did custody papers accompany the sample(s)?	~~Yes~~	No
5. Were the custody papers relinquished & signed in the appropriate place?	~~Yes~~	No
6. Was/were the sampler(s) clearly identified on the COC?	Yes	~~No~~
7. Did all bottles arrive in good condition (Unbroken)?	~~Yes~~	No
8. Could all bottle labels be reconciled with the COC?	~~Yes~~	No
9. Were correct bottle(s) used for the test(s) indicated?	~~Yes~~	No
10. Sufficient quantity received to perform indicated analyses?	~~Yes~~	No
11. Were sample(s) at the correct pH upon receipt?	Yes	No ~~NA~~ pH Strip Lot# HC432654
12. Were VOAs on the COC?	Yes	~~No~~
13. Were air bubbles >6 mm in any VOA vials?	Yes	No ~~NA~~
14. Was a trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	~~No~~

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-51061-1

Job Description: MRC Soil Remediation (Block H)

For:
Tetra Tech, Inc.
Foster Plaza 7
661 Anderson Drive
Pittsburgh, PA 15220-2745

Attention: Mr. Scott Nesbit



Approved for release.
John McFadden
Project Manager I
5/27/2015 1:53 PM

John McFadden, Project Manager I
4101 Shuffel Street NW, North Canton, OH, 44720
john.mcfadden@testamericainc.com
05/27/2015

cc: Tony Apanavage
Samantha Brenner
Kelly Carper
Tobrena Sedlmyer

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

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CASE NARRATIVE

Client: Tetra Tech, Inc.

Project: MRC Soil Remediation (Block H)

Report Number: 240-51061-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 5/22/2015 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.6º C.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples H-VS-B-1-1 (240-51061-1), H-VS-B-2-1 (240-51061-2), H-VS-B-4-1 (240-51061-3), H-VS-B-3-1 (240-51061-4), H-VB-B-1-2 (240-51061-5) and H-VB-B-2-2 (240-51061-6) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 05/22/2015 and analyzed on 05/24/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS

Samples H-VS-B-1-1 (240-51061-1), H-VS-B-2-1 (240-51061-2), H-VS-B-4-1 (240-51061-3), H-VS-B-3-1 (240-51061-4), H-VB-B-1-2 (240-51061-5) and H-VB-B-2-2 (240-51061-6) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 05/22/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 181541

Lab Sample ID: STD4 240-181541/3 IC Client Sample ID:

Date Analyzed: 05/19/15 16:38 Lab File ID: 50519003.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.21	Poor Chromatography	ulmanm	05/19/15 17:08
4-Chloroaniline	7.57	Poor Chromatography	ulmanm	05/19/15 17:08
2,4-Dinitrophenol	9.05	Poor Chromatography	ulmanm	05/19/15 17:08

Lab Sample ID: STD2 240-181541/5 IC Client Sample ID:

Date Analyzed: 05/19/15 17:28 Lab File ID: 50519005.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.20	Poor Chromatography	ulmanm	05/19/15 17:57
Indeno[1,2,3-cd]pyrene	16.43	Poor Chromatography	ulmanm	05/19/15 17:57

Lab Sample ID: STD1 240-181541/6 IC Client Sample ID:

Date Analyzed: 05/19/15 17:53 Lab File ID: 50519006.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	16.43	Poor Chromatography	ulmanm	05/19/15 18:21
Dibenz(a,h)anthracene	16.44	Poor Chromatography	ulmanm	05/19/15 18:21
Benzo[g,h,i]perylene	17.05	Poor Chromatography	ulmanm	05/19/15 18:21

Lab Sample ID: STD9 240-181541/7 IC Client Sample ID:

Date Analyzed: 05/19/15 18:18 Lab File ID: 50519007.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Chloroaniline	7.57	Poor Chromatography	ulmanm	05/19/15 19:02
Caprolactam	7.86	Poor Chromatography	ulmanm	05/19/15 19:02

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 181541

Lab Sample ID: STD8 240-181541/8 IC Client Sample ID:

Date Analyzed: 05/19/15 18:43 Lab File ID: 50519008.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	7.85	Poor Chromatography	ulmanm	05/19/15 19:10

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 182204

Lab Sample ID: CCV 240-182204/2 CCVIS Client Sample ID:

Date Analyzed: 05/24/15 09:19 Lab File ID: 50524002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.99	Poor Chromatography	ulmanm	05/24/15 10:05

Lab Sample ID: 240-51061-2 Client Sample ID: H-VS-B-2-1

Date Analyzed: 05/24/15 17:11 Lab File ID: 50524021.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	13.78	Poor Chromatography	ulmanm	05/26/15 11:36
Indeno[1,2,3-cd]pyrene	16.22	Poor Chromatography	ulmanm	05/26/15 11:36
Benzo[g,h,i]perylene	16.82	Poor Chromatography	ulmanm	05/26/15 11:36

SAMPLE SUMMARY

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-51061-1	H-VS-B-1-1	Solid	05/20/2015 1623	05/22/2015 0930
240-51061-2	H-VS-B-2-1	Solid	05/20/2015 1626	05/22/2015 0930
240-51061-3	H-VS-B-4-1	Solid	05/20/2015 1632	05/22/2015 0930
240-51061-4	H-VS-B-3-1	Solid	05/21/2015 0910	05/22/2015 0930
240-51061-5	H-VB-B-1-2	Solid	05/21/2015 0915	05/22/2015 0930
240-51061-6	H-VB-B-2-2	Solid	05/21/2015 0920	05/22/2015 0930

EXECUTIVE SUMMARY - Detections

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-51061-1	**H-VS-B-1-1**					
Percent Solids		89		0.10	%	Moisture
Percent Moisture		11		0.10	%	Moisture
240-51061-2	**H-VS-B-2-1**					
Anthracene		4.4	J	7.5	ug/Kg	8270D
Benzo[a]anthracene		15		7.5	ug/Kg	8270D
Benzo[a]pyrene		22		7.5	ug/Kg	8270D
Benzo[b]fluoranthene		21		7.5	ug/Kg	8270D
Benzo[g,h,i]perylene		17		7.5	ug/Kg	8270D
Benzo[k]fluoranthene		8.3		7.5	ug/Kg	8270D
Chrysene		21		7.5	ug/Kg	8270D
Fluoranthene		24		7.5	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		13		7.5	ug/Kg	8270D
Phenanthrene		11		7.5	ug/Kg	8270D
Pyrene		42		7.5	ug/Kg	8270D
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture
240-51061-3	**H-VS-B-4-1**					
Chrysene		3.8	J	7.7	ug/Kg	8270D
Fluoranthene		5.1	J	7.7	ug/Kg	8270D
Phenanthrene		6.3	J	7.7	ug/Kg	8270D
Pyrene		7.9		7.7	ug/Kg	8270D
Percent Solids		86		0.10	%	Moisture
Percent Moisture		14		0.10	%	Moisture
240-51061-4	**H-VS-B-3-1**					
Fluoranthene		4.3	J	7.5	ug/Kg	8270D
Pyrene		6.4	J	7.5	ug/Kg	8270D
Percent Solids		89		0.10	%	Moisture
Percent Moisture		11		0.10	%	Moisture
240-51061-5	**H-VB-B-1-2**					
Pyrene		4.7	J	8.2	ug/Kg	8270D
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-51061-6	**H-VB-B-2-2**					
Benzo[a]anthracene		4.5	J	8.1	ug/Kg	8270D
Fluoranthene		5.7	J	8.1	ug/Kg	8270D
Phenanthrene		4.9	J	8.1	ug/Kg	8270D
Pyrene		9.2		8.1	ug/Kg	8270D
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture

METHOD SUMMARY

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Organic Compounds (GC/MS)	TAL CAN	SW846 8270D	
Ultrasonic Extraction	TAL CAN		SW846 3550C
Percent Moisture	TAL CAN	EPA Moisture	

Lab References:

TAL CAN = TestAmerica Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Method	Analyst	Analyst ID
SW846 8270D	Ulman, Mark	MRU
EPA Moisture	Eikelberry, Nicholas	NJE

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Client Sample ID: **H-VS-B-1-1**

Lab Sample ID: 240-51061-1 Date Sampled: 05/20/2015 1623
Client Matrix: Solid % Moisture: 11.1 Date Received: 05/22/2015 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-182204	Instrument ID:	A4HP9
Prep Method:	3550C	Prep Batch:	240-182098	Lab File ID:	50524020.D
Dilution:	1.0			Initial Weight/Volume:	30.43 g
Analysis Date:	05/24/2015 1645			Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		0.84	U	0.84	7.4
Acenaphthylene		0.39	U	0.39	7.4
Anthracene		0.86	U	0.86	7.4
Benzo[a]anthracene		0.70	U	0.70	7.4
Benzo[a]pyrene		0.71	U	0.71	7.4
Benzo[b]fluoranthene		0.65	U	0.65	7.4
Benzo[g,h,i]perylene		0.39	U	0.39	7.4
Benzo[k]fluoranthene		0.75	U	0.75	7.4
Chrysene		1.2	U	1.2	7.4
Dibenz(a,h)anthracene		0.73	U	0.73	7.4
Fluoranthene		0.61	U	0.61	7.4
Fluorene		0.59	U	0.59	7.4
Indeno[1,2,3-cd]pyrene		0.39	U	0.39	7.4
Naphthalene		0.91	U	0.91	7.4
Phenanthrene		0.81	U	0.81	7.4
Pyrene		0.49	U	0.49	7.4

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	74		34 - 110
Phenol-d5 (Surr)	75		28 - 110
Nitrobenzene-d5 (Surr)	69		24 - 110
2-Fluorophenol (Surr)	75		31 - 110
2-Fluorobiphenyl (Surr)	72		27 - 110
2,4,6-Tribromophenol (Surr)	69		19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Client Sample ID: H-VS-B-2-1

Lab Sample ID: 240-51061-2 Date Sampled: 05/20/2015 1626
Client Matrix: Solid % Moisture: 11.5 Date Received: 05/22/2015 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-182204	Instrument ID:	A4HP9
Prep Method:	3550C	Prep Batch:	240-182098	Lab File ID:	50524021.D
Dilution:	1.0			Initial Weight/Volume:	30.19 g
Analysis Date:	05/24/2015 1711			Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		0.85	U	0.85	7.5
Acenaphthylene		0.39	U	0.39	7.5
Anthracene		4.4	J	0.88	7.5
Benzo[a]anthracene		15		0.71	7.5
Benzo[a]pyrene		22		0.72	7.5
Benzo[b]fluoranthene		21		0.66	7.5
Benzo[g,h,i]perylene		17		0.39	7.5
Benzo[k]fluoranthene		8.3		0.76	7.5
Chrysene		21		1.2	7.5
Dibenz(a,h)anthracene		0.74	U	0.74	7.5
Fluoranthene		24		0.62	7.5
Fluorene		0.60	U	0.60	7.5
Indeno[1,2,3-cd]pyrene		13		0.39	7.5
Naphthalene		0.92	U	0.92	7.5
Phenanthrene		11		0.82	7.5
Pyrene		42		0.49	7.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	69		34 - 110
Phenol-d5 (Surr)	72		28 - 110
Nitrobenzene-d5 (Surr)	68		24 - 110
2-Fluorophenol (Surr)	72		31 - 110
2-Fluorobiphenyl (Surr)	68		27 - 110
2,4,6-Tribromophenol (Surr)	65		19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Client Sample ID: **H-VS-B-4-1**

Lab Sample ID: 240-51061-3 Date Sampled: 05/20/2015 1632
Client Matrix: Solid % Moisture: 13.6 Date Received: 05/22/2015 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-182204	Instrument ID:	A4HP9
Prep Method:	3550C	Prep Batch:	240-182098	Lab File ID:	50524022.D
Dilution:	1.0			Initial Weight/Volume:	30.11 g
Analysis Date:	05/24/2015 1736			Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		0.88	U	0.88	7.7
Acenaphthylene		0.40	U	0.40	7.7
Anthracene		0.90	U	0.90	7.7
Benzo[a]anthracene		0.73	U	0.73	7.7
Benzo[a]pyrene		0.74	U	0.74	7.7
Benzo[b]fluoranthene		0.68	U	0.68	7.7
Benzo[g,h,i]perylene		0.40	U	0.40	7.7
Benzo[k]fluoranthene		0.78	U	0.78	7.7
Chrysene		3.8	J	1.3	7.7
Dibenz(a,h)anthracene		0.76	U	0.76	7.7
Fluoranthene		5.1	J	0.63	7.7
Fluorene		0.61	U	0.61	7.7
Indeno[1,2,3-cd]pyrene		0.40	U	0.40	7.7
Naphthalene		0.95	U	0.95	7.7
Phenanthrene		6.3	J	0.84	7.7
Pyrene		7.9		0.51	7.7

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	69		34 - 110
Phenol-d5 (Surr)	72		28 - 110
Nitrobenzene-d5 (Surr)	68		24 - 110
2-Fluorophenol (Surr)	73		31 - 110
2-Fluorobiphenyl (Surr)	71		27 - 110
2,4,6-Tribromophenol (Surr)	67		19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Client Sample ID: **H-VS-B-3-1**

Lab Sample ID: 240-51061-4 Date Sampled: 05/21/2015 0910
Client Matrix: Solid % Moisture: 11.3 Date Received: 05/22/2015 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-182204	Instrument ID:	A4HP9
Prep Method:	3550C	Prep Batch:	240-182098	Lab File ID:	50524023.D
Dilution:	1.0			Initial Weight/Volume:	29.95 g
Analysis Date:	05/24/2015 1801			Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		0.86	U	0.86	7.5
Acenaphthylene		0.40	U	0.40	7.5
Anthracene		0.88	U	0.88	7.5
Benzo[a]anthracene		0.71	U	0.71	7.5
Benzo[a]pyrene		0.72	U	0.72	7.5
Benzo[b]fluoranthene		0.67	U	0.67	7.5
Benzo[g,h,i]perylene		0.40	U	0.40	7.5
Benzo[k]fluoranthene		0.77	U	0.77	7.5
Chrysene		1.2	U	1.2	7.5
Dibenz(a,h)anthracene		0.75	U	0.75	7.5
Fluoranthene		4.3	J	0.62	7.5
Fluorene		0.60	U	0.60	7.5
Indeno[1,2,3-cd]pyrene		0.40	U	0.40	7.5
Naphthalene		0.93	U	0.93	7.5
Phenanthrene		0.82	U	0.82	7.5
Pyrene		6.4	J	0.50	7.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	69		34 - 110
Phenol-d5 (Surr)	68		28 - 110
Nitrobenzene-d5 (Surr)	62		24 - 110
2-Fluorophenol (Surr)	68		31 - 110
2-Fluorobiphenyl (Surr)	65		27 - 110
2,4,6-Tribromophenol (Surr)	62		19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Client Sample ID: H-VB-B-1-2

Lab Sample ID: 240-51061-5 Date Sampled: 05/21/2015 0915
Client Matrix: Solid % Moisture: 19.4 Date Received: 05/22/2015 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-182204	Instrument ID:	A4HP9
Prep Method:	3550C	Prep Batch:	240-182098	Lab File ID:	50524024.D
Dilution:	1.0			Initial Weight/Volume:	30.18 g
Analysis Date:	05/24/2015 1826			Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		0.94	U	0.94	8.2
Acenaphthylene		0.43	U	0.43	8.2
Anthracene		0.96	U	0.96	8.2
Benzo[a]anthracene		0.78	U	0.78	8.2
Benzo[a]pyrene		0.79	U	0.79	8.2
Benzo[b]fluoranthene		0.73	U	0.73	8.2
Benzo[g,h,i]perylene		0.43	U	0.43	8.2
Benzo[k]fluoranthene		0.84	U	0.84	8.2
Chrysene		1.4	U	1.4	8.2
Dibenz(a,h)anthracene		0.81	U	0.81	8.2
Fluoranthene		0.68	U	0.68	8.2
Fluorene		0.65	U	0.65	8.2
Indeno[1,2,3-cd]pyrene		0.43	U	0.43	8.2
Naphthalene		1.0	U	1.0	8.2
Phenanthrene		0.90	U	0.90	8.2
Pyrene		4.7	J	0.54	8.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	70		34 - 110
Phenol-d5 (Surr)	71		28 - 110
Nitrobenzene-d5 (Surr)	63		24 - 110
2-Fluorophenol (Surr)	72		31 - 110
2-Fluorobiphenyl (Surr)	66		27 - 110
2,4,6-Tribromophenol (Surr)	66		19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Client Sample ID: H-VB-B-2-2

Lab Sample ID: 240-51061-6 Date Sampled: 05/21/2015 0920
Client Matrix: Solid % Moisture: 18.5 Date Received: 05/22/2015 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-182204	Instrument ID:	A4HP9
Prep Method:	3550C	Prep Batch:	240-182098	Lab File ID:	50524025.D
Dilution:	1.0			Initial Weight/Volume:	30.34 g
Analysis Date:	05/24/2015 1851			Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		0.92	U	0.92	8.1
Acenaphthylene		0.42	U	0.42	8.1
Anthracene		0.95	U	0.95	8.1
Benzo[a]anthracene		4.5	J	0.76	8.1
Benzo[a]pyrene		0.78	U	0.78	8.1
Benzo[b]fluoranthene		0.72	U	0.72	8.1
Benzo[g,h,i]perylene		0.42	U	0.42	8.1
Benzo[k]fluoranthene		0.83	U	0.83	8.1
Chrysene		1.3	U	1.3	8.1
Dibenz(a,h)anthracene		0.80	U	0.80	8.1
Fluoranthene		5.7	J	0.67	8.1
Fluorene		0.64	U	0.64	8.1
Indeno[1,2,3-cd]pyrene		0.42	U	0.42	8.1
Naphthalene		0.99	U	0.99	8.1
Phenanthrene		4.9	J	0.89	8.1
Pyrene		9.2		0.53	8.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	68		34 - 110
Phenol-d5 (Surr)	70		28 - 110
Nitrobenzene-d5 (Surr)	63		24 - 110
2-Fluorophenol (Surr)	70		31 - 110
2-Fluorobiphenyl (Surr)	64		27 - 110
2,4,6-Tribromophenol (Surr)	62		19 - 110

General Chemistry

Client Sample ID: **H-VS-B-1-1**

Lab Sample ID: 240-51061-1 Date Sampled: 05/20/2015 1623
Client Matrix: Solid Date Received: 05/22/2015 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N

General Chemistry

Client Sample ID: **H-VS-B-2-1**

Lab Sample ID: 240-51061-2 Date Sampled: 05/20/2015 1626
Client Matrix: Solid Date Received: 05/22/2015 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N

General Chemistry

Client Sample ID: **H-VS-B-4-1**

Lab Sample ID: 240-51061-3 Date Sampled: 05/20/2015 1632
Client Matrix: Solid Date Received: 05/22/2015 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N

General Chemistry

Client Sample ID: **H-VS-B-3-1**

Lab Sample ID: 240-51061-4 Date Sampled: 05/21/2015 0910
Client Matrix: Solid Date Received: 05/22/2015 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N

General Chemistry

Client Sample ID: **H-VB-B-1-2**

Lab Sample ID: 240-51061-5 Date Sampled: 05/21/2015 0915
Client Matrix: Solid Date Received: 05/22/2015 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N

General Chemistry

Client Sample ID: **H-VB-B-2-2**

Lab Sample ID: 240-51061-6 Date Sampled: 05/21/2015 0920
Client Matrix: Solid Date Received: 05/22/2015 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-182160	Analysis Date: 05/22/2015 1723						DryWt Corrected: N

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
240-51061-1	H-VS-B-1-1	75	75	69	72	69	74
240-51061-2	H-VS-B-2-1	72	72	68	68	65	69
240-51061-3	H-VS-B-4-1	73	72	68	71	67	69
240-51061-4	H-VS-B-3-1	68	68	62	65	62	69
240-51061-5	H-VB-B-1-2	72	71	63	66	66	70
240-51061-6	H-VB-B-2-2	70	70	63	64	62	68
MB 240-182098/17-A		77	78	70	73	59	75
LCS 240-182098/18-A		77	77	77	73	71	75

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	31-110
PHL = Phenol-d5 (Surr)	28-110
NBZ = Nitrobenzene-d5 (Surr)	24-110
FBP = 2-Fluorobiphenyl (Surr)	27-110
TBP = 2,4,6-Tribromophenol (Surr)	19-110
TPH = Terphenyl-d14 (Surr)	34-110

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Method Blank - Batch: 240-182098

Method: 8270D
Preparation: 3550C

Lab Sample ID:	MB 240-182098/17-A	Analysis Batch:	240-182204	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-182098	Lab File ID:	50524018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	05/24/2015 1555	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	0.76	U	0.76	6.7
Acenaphthylene	0.35	U	0.35	6.7
Anthracene	0.78	U	0.78	6.7
Benzo[a]anthracene	0.63	U	0.63	6.7
Benzo[a]pyrene	0.64	U	0.64	6.7
Benzo[b]fluoranthene	0.59	U	0.59	6.7
Benzo[g,h,i]perylene	0.35	U	0.35	6.7
Benzo[k]fluoranthene	0.68	U	0.68	6.7
Chrysene	1.1	U	1.1	6.7
Dibenz(a,h)anthracene	0.66	U	0.66	6.7
Fluoranthene	0.55	U	0.55	6.7
Fluorene	0.53	U	0.53	6.7
Indeno[1,2,3-cd]pyrene	0.35	U	0.35	6.7
Naphthalene	0.82	U	0.82	6.7
Phenanthrene	0.73	U	0.73	6.7
Pyrene	0.44	U	0.44	6.7

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	75	34 - 110
Phenol-d5 (Surr)	78	28 - 110
Nitrobenzene-d5 (Surr)	70	24 - 110
2-Fluorophenol (Surr)	77	31 - 110
2-Fluorobiphenyl (Surr)	73	27 - 110
2,4,6-Tribromophenol (Surr)	59	19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Lab Control Sample - Batch: 240-182098

Method: 8270D
Preparation: 3550C

Lab Sample ID:	LCS 240-182098/18-A	Analysis Batch:	240-182204	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-182098	Lab File ID:	50524019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	05/24/2015 1620	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	05/22/2015 1231			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	477	72	49 - 110	
Acenaphthylene	667	466	70	49 - 110	
Anthracene	667	480	72	48 - 110	
Benzo[a]anthracene	667	491	74	48 - 110	
Benzo[a]pyrene	667	589	88	44 - 110	
Benzo[b]fluoranthene	667	560	84	47 - 110	
Benzo[g,h,i]perylene	667	643	96	50 - 110	
Benzo[k]fluoranthene	667	606	91	38 - 110	
Chrysene	667	528	79	51 - 110	
Dibenz(a,h)anthracene	667	612	92	46 - 110	
Fluoranthene	667	534	80	48 - 110	
Fluorene	667	472	71	51 - 110	
Indeno[1,2,3-cd]pyrene	667	642	96	47 - 110	
Naphthalene	667	479	72	49 - 110	
Phenanthrene	667	483	72	49 - 110	
Pyrene	667	528	79	46 - 110	

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	75	34 - 110
Phenol-d5 (Surr)	77	28 - 110
Nitrobenzene-d5 (Surr)	77	24 - 110
2-Fluorophenol (Surr)	77	31 - 110
2-Fluorobiphenyl (Surr)	73	27 - 110
2,4,6-Tribromophenol (Surr)	71	19 - 110

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Duplicate - Batch: 240-182160

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-50885-A-1 DU	Analysis Batch:	240-182160	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/22/2015 1723	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	48	48	0	20	
Percent Moisture	52	52	0	20	

DATA REPORTING QUALIFIERS

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Tetra Tech, Inc. Job Number: 240-51061-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-182098					
LCS 240-182098/18-A	Lab Control Sample	T	Solid	3550C	
MB 240-182098/17-A	Method Blank	T	Solid	3550C	
240-51061-1	H-VS-B-1-1	T	Solid	3550C	
240-51061-2	H-VS-B-2-1	T	Solid	3550C	
240-51061-3	H-VS-B-4-1	T	Solid	3550C	
240-51061-4	H-VS-B-3-1	T	Solid	3550C	
240-51061-5	H-VB-B-1-2	T	Solid	3550C	
240-51061-6	H-VB-B-2-2	T	Solid	3550C	
Analysis Batch:240-182204					
LCS 240-182098/18-A	Lab Control Sample	T	Solid	8270D	240-182098
MB 240-182098/17-A	Method Blank	T	Solid	8270D	240-182098
240-51061-1	H-VS-B-1-1	T	Solid	8270D	240-182098
240-51061-2	H-VS-B-2-1	T	Solid	8270D	240-182098
240-51061-3	H-VS-B-4-1	T	Solid	8270D	240-182098
240-51061-4	H-VS-B-3-1	T	Solid	8270D	240-182098
240-51061-5	H-VB-B-1-2	T	Solid	8270D	240-182098
240-51061-6	H-VB-B-2-2	T	Solid	8270D	240-182098

Report Basis
T = Total

General Chemistry

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Analysis Batch:240-182160					
240-50885-A-1 DU	Duplicate	T	Solid	Moisture	
240-51061-1	H-VS-B-1-1	T	Solid	Moisture	
240-51061-2	H-VS-B-2-1	T	Solid	Moisture	
240-51061-3	H-VS-B-4-1	T	Solid	Moisture	
240-51061-4	H-VS-B-3-1	T	Solid	Moisture	
240-51061-5	H-VB-B-1-2	T	Solid	Moisture	
240-51061-6	H-VB-B-2-2	T	Solid	Moisture	

Report Basis
T = Total

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Laboratory Chronicle

Lab ID: 240-51061-1 **Client ID: H-VS-B-1-1**

Sample Date/Time: 05/20/2015 16:23 Received Date/Time: 05/22/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-51061-B-1-A		240-182204	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	240-51061-B-1-A		240-182204	240-182098	05/24/2015 16:45	1	TAL CAN	MRU
A:Moisture	240-51061-A-1		240-182160		05/22/2015 17:23	1	TAL CAN	NJE

Lab ID: 240-51061-2 **Client ID: H-VS-B-2-1**

Sample Date/Time: 05/20/2015 16:26 Received Date/Time: 05/22/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-51061-B-2-A		240-182204	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	240-51061-B-2-A		240-182204	240-182098	05/24/2015 17:11	1	TAL CAN	MRU
A:Moisture	240-51061-A-2		240-182160		05/22/2015 17:23	1	TAL CAN	NJE

Lab ID: 240-51061-3 **Client ID: H-VS-B-4-1**

Sample Date/Time: 05/20/2015 16:32 Received Date/Time: 05/22/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-51061-B-3-A		240-182204	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	240-51061-B-3-A		240-182204	240-182098	05/24/2015 17:36	1	TAL CAN	MRU
A:Moisture	240-51061-A-3		240-182160		05/22/2015 17:23	1	TAL CAN	NJE

Lab ID: 240-51061-4 **Client ID: H-VS-B-3-1**

Sample Date/Time: 05/21/2015 09:10 Received Date/Time: 05/22/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-51061-B-4-A		240-182204	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	240-51061-B-4-A		240-182204	240-182098	05/24/2015 18:01	1	TAL CAN	MRU
A:Moisture	240-51061-A-4		240-182160		05/22/2015 17:23	1	TAL CAN	NJE

Lab ID: 240-51061-5 **Client ID: H-VB-B-1-2**

Sample Date/Time: 05/21/2015 09:15 Received Date/Time: 05/22/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-51061-B-5-A		240-182204	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	240-51061-B-5-A		240-182204	240-182098	05/24/2015 18:26	1	TAL CAN	MRU
A:Moisture	240-51061-A-5		240-182160		05/22/2015 17:23	1	TAL CAN	NJE

Client: Tetra Tech, Inc. Job Number: 240-51061-1

Laboratory Chronicle

Lab ID: 240-51061-6 **Client ID: H-VB-B-2-2**

Sample Date/Time: 05/21/2015 09:20 Received Date/Time: 05/22/2015 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	240-51061-B-6-A		240-182204	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	240-51061-B-6-A		240-182204	240-182098	05/24/2015 18:51	1	TAL CAN	MRU
A:Moisture	240-51061-A-6		240-182160		05/22/2015 17:23	1	TAL CAN	NJE

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	MB 240-182098/17-A		240-182204	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	MB 240-182098/17-A		240-182204	240-182098	05/24/2015 15:55	1	TAL CAN	MRU

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	LCS 240-182098/18-A		240-182204	240-182098	05/22/2015 12:31	1	TAL CAN	SDE
A:8270D	LCS 240-182098/18-A		240-182204	240-182098	05/24/2015 16:20	1	TAL CAN	MRU

Lab ID: DU **Client ID: N/A**

Sample Date/Time: 05/18/2015 10:15 Received Date/Time: 05/19/2015 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-50885-A-1 DU		240-182160		05/22/2015 17:23	1	TAL CAN	NJE

Lab References:
TAL CAN = TestAmerica Canton

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
exBENZALDEHYD_00022	06/10/16	05/14/15	MEOH, Lot 0000085233	200 mL	EXLIST1_S11_00001	4 mL	Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
.EXLIST1_S11_00001	08/31/16		Restek, Lot A0108989		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
EXBNASPIKE_00042	06/10/16	05/11/15	MEOH, Lot 0000085233	200 mL	EXLIST1_S1_00001	4 mL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Methylphenol	10 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Hexadecane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
					EXLIST1_S10_00001	4 mL	Benzoic acid	40 ug/mL
							Indene	40 ug/mL
					EXLIST1_S9_00001	4 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
.EXLIST1_S1_00001	09/30/16		Restek, Lot A0109703		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	500 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	500 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added	Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.EXLIST1_S10_00001	08/31/16		Restek, Lot A0108988		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
.EXLIST1_S9_00001	07/31/16		Restek, Lot A0108709		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
EXBNASURR W_00022	06/10/16	04/18/15	MEOH, Lot 85233	2000 mL	SMLIST1 SURR_00003	8 mL	2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L1 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1PAH ST_00004	2 uL	1,1'-Biphenyl	0.1 ug/mL
							1-Methylnaphthalene	0.1 ug/mL
							2-Chloronaphthalene	0.1 ug/mL
							2-Methylnaphthalene	0.1 ug/mL
							Acenaphthene	0.1 ug/mL
							Acenaphthylene	0.1 ug/mL
							Anthracene	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[g,h,i]perylene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Chrysene	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Dibenzofuran	0.1 ug/mL
							Fluoranthene	0.1 ug/mL
							Fluorene	0.1 ug/mL
							Hexachlorobenzene	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Phenanthrene	0.1 ug/mL
							Pyrene	0.1 ug/mL
							2-Fluorobiphenyl (Surr)	0.1 ug/mL
							Nitrobenzene-d5 (Surr)	0.1 ug/mL
							Terphenyl-d14 (Surr)	0.1 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1PAH ST_00004	05/31/16	01/26/15	MECL2, Lot 0000093871	3 mL	SMLIST1 PAH_00004	300 uL	1,1'-Biphenyl	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Chrysene	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SMLIST1 SURR_00003	60 uL	2-Fluorobiphenyl (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 PAH_00004	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L2 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	10 uL	1,1'-Biphenyl	0.5 ug/mL
							1,2,4,5-Tetrachlorobenzene	0.5 ug/mL
							1,2,4-Trichlorobenzene	0.5 ug/mL
							1,2-Dichlorobenzene	0.5 ug/mL
							1,2-Diphenylhydrazine	0.5 ug/mL
							1,3-Dichlorobenzene	0.5 ug/mL
							1,3-Dinitrobenzene	0.5 ug/mL
							1,4-Dichlorobenzene	0.5 ug/mL
							1,4-Dioxane	0.5 ug/mL
							1-Methylnaphthalene	0.5 ug/mL
							2,2'-oxybis[1-chloropropane]	0.5 ug/mL
							2,3,4,6-Tetrachlorophenol	0.5 ug/mL
							2,4,5-Trichlorophenol	0.5 ug/mL
							2,4,6-Trichlorophenol	0.5 ug/mL
							2,4-Dichlorophenol	0.5 ug/mL
							2,4-Dimethylphenol	0.5 ug/mL
							2,4-Dinitrophenol	1 ug/mL
							2,4-Dinitrotoluene	0.5 ug/mL
							2,6-Dichlorophenol	0.5 ug/mL
							2,6-Dinitrotoluene	0.5 ug/mL
							2-Chloronaphthalene	0.5 ug/mL
							2-Chlorophenol	0.5 ug/mL
							2-Methylnaphthalene	0.5 ug/mL
							2-Methylphenol	0.5 ug/mL
							2-Nitroaniline	0.5 ug/mL
							2-Nitrophenol	0.5 ug/mL
							3 & 4 Methylphenol	0.5 ug/mL
							3-Nitroaniline	0.5 ug/mL
							4,6-Dinitro-2-methylphenol	1 ug/mL
							4-Bromophenyl phenyl ether	0.5 ug/mL
							4-Chloro-3-methylphenol	0.5 ug/mL
							4-Chloroaniline	0.5 ug/mL
							4-Chlorophenyl phenyl ether	0.5 ug/mL
							4-Nitroaniline	0.5 ug/mL
							4-Nitrophenol	1 ug/mL
							Acenaphthene	0.5 ug/mL
							Acenaphthylene	0.5 ug/mL
							Acetophenone	0.5 ug/mL
							Aniline	0.5 ug/mL
							Anthracene	0.5 ug/mL
							Azobenzene	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	0.5 ug/mL
							Bis(2-chloroethoxy)methane	0.5 ug/mL
							Bis(2-chloroethyl)ether	0.5 ug/mL
							Bis(2-ethylhexyl) phthalate	0.5 ug/mL
							Butyl benzyl phthalate	0.5 ug/mL
							Carbazole	0.5 ug/mL
							Chrysene	0.5 ug/mL
							Di-n-butyl phthalate	0.5 ug/mL
							Di-n-octyl phthalate	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Dibenzofuran	0.5 ug/mL
							Diethyl phthalate	0.5 ug/mL
							Dimethyl phthalate	0.5 ug/mL
							Fluoranthene	0.5 ug/mL
							Fluorene	0.5 ug/mL
							Hexachlorobenzene	0.5 ug/mL
							Hexachlorobutadiene	0.5 ug/mL
							Hexachlorocyclopentadiene	0.5 ug/mL
							Hexachloroethane	0.5 ug/mL
							Hexadecane	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							Isophorone	0.5 ug/mL
							n-Decane	0.5 ug/mL
							N-Nitrosodi-n-propylamine	0.5 ug/mL
							N-Nitrosodimethylamine	0.5 ug/mL
							N-Nitrosodiphenylamine	1 ug/mL
							n-Octadecane	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Nitrobenzene	0.5 ug/mL
							Pentachlorophenol	1 ug/mL
							Phenanthrene	0.5 ug/mL
							Phenol	0.5 ug/mL
							Pyrene	0.5 ug/mL
							Pyridine	0.5 ug/mL
							Benzoic acid	1 ug/mL
							Indene	1 ug/mL
							Atrazine	1 ug/mL
							Benzaldehyde	1 ug/mL
							Caprolactam	1 ug/mL
							3,3'-Dichlorobenzidine	1 ug/mL
							Benzidine	1 ug/mL
							2,4,6-Tribromophenol (Surr)	0.5 ug/mL
							2-Fluorobiphenyl (Surr)	0.5 ug/mL
							2-Fluorophenol (Surr)	0.5 ug/mL
							Nitrobenzene-d5 (Surr)	0.5 ug/mL
							Phenol-d5 (Surr)	0.5 ug/mL
							Terphenyl-d14 (Surr)	0.5 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L3 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	20 uL	1,1'-Biphenyl	1 ug/mL
							1,2,4,5-Tetrachlorobenzene	1 ug/mL
							1,2,4-Trichlorobenzene	1 ug/mL
							1,2-Dichlorobenzene	1 ug/mL
							1,2-Diphenylhydrazine	1 ug/mL
							1,3-Dichlorobenzene	1 ug/mL
							1,3-Dinitrobenzene	1 ug/mL
							1,4-Dichlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2,2'-oxybis[1-chloropropane]	1 ug/mL
							2,3,4,6-Tetrachlorophenol	1 ug/mL
							2,4,5-Trichlorophenol	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dichlorophenol	1 ug/mL
							2,4-Dimethylphenol	1 ug/mL
							2,4-Dinitrophenol	2 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dichlorophenol	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Chloronaphthalene	1 ug/mL
							2-Chlorophenol	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							2-Methylphenol	1 ug/mL
							2-Nitroaniline	1 ug/mL
							2-Nitrophenol	1 ug/mL
							3 & 4 Methylphenol	1 ug/mL
							3-Nitroaniline	1 ug/mL
							4,6-Dinitro-2-methylphenol	2 ug/mL
							4-Bromophenyl phenyl ether	1 ug/mL
							4-Chloro-3-methylphenol	1 ug/mL
							4-Chloroaniline	1 ug/mL
							4-Chlorophenyl phenyl ether	1 ug/mL
							4-Nitroaniline	1 ug/mL
							4-Nitrophenol	2 ug/mL
							Acenaphthene	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	1 ug/mL
							Acetophenone	1 ug/mL
							Aniline	1 ug/mL
							Anthracene	1 ug/mL
							Azobenzene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Benzyl alcohol	1 ug/mL
							Bis(2-chloroethoxy)methane	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Butyl benzyl phthalate	1 ug/mL
							Carbazole	1 ug/mL
							Chrysene	1 ug/mL
							Di-n-butyl phthalate	1 ug/mL
							Di-n-octyl phthalate	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Dibenzofuran	1 ug/mL
							Diethyl phthalate	1 ug/mL
							Dimethyl phthalate	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachlorocyclopentadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Hexadecane	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							n-Decane	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							N-Nitrosodimethylamine	1 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
							n-Octadecane	1 ug/mL
							Naphthalene	1 ug/mL
							Nitrobenzene	1 ug/mL
							Pentachlorophenol	2 ug/mL
							Phenanthrene	1 ug/mL
							Phenol	1 ug/mL
							Pyrene	1 ug/mL
							Pyridine	1 ug/mL
							Benzoic acid	2 ug/mL
							Indene	2 ug/mL
							Atrazine	2 ug/mL
							Benzaldehyde	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	2 ug/mL
							3,3'-Dichlorobenzidine	2 ug/mL
							Benzidine	2 ug/mL
							2,4,6-Tribromophenol (Surr)	1 ug/mL
							2-Fluorobiphenyl (Surr)	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L4 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	40 uL	1,1'-Biphenyl	2 ug/mL
							1,2,4,5-Tetrachlorobenzene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Diphenylhydrazine	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							1,3-Dinitrobenzene	2 ug/mL
							1,4-Dichlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							2,2'-oxybis[1-chloropropane]	2 ug/mL
							2,3,4,6-Tetrachlorophenol	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL
							2,4-Dinitrophenol	4 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dichlorophenol	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Chlorophenol	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							2-Methylphenol	2 ug/mL
							2-Nitroaniline	2 ug/mL
							2-Nitrophenol	2 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	2 ug/mL
							3-Nitroaniline	2 ug/mL
							4,6-Dinitro-2-methylphenol	4 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Chloroaniline	2 ug/mL
							4-Chlorophenyl phenyl ether	2 ug/mL
							4-Nitroaniline	2 ug/mL
							4-Nitrophenol	4 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Acetophenone	2 ug/mL
							Aniline	2 ug/mL
							Anthracene	2 ug/mL
							Azobenzene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Benzyl alcohol	2 ug/mL
							Bis(2-chloroethoxy)methane	2 ug/mL
							Bis(2-chloroethyl)ether	2 ug/mL
							Bis(2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Hexadecane	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							n-Decane	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							N-Nitrosodimethylamine	2 ug/mL
							N-Nitrosodiphenylamine	4 ug/mL
							n-Octadecane	2 ug/mL
							Naphthalene	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	2 ug/mL
							Pentachlorophenol	4 ug/mL
							Phenanthrene	2 ug/mL
							Phenol	2 ug/mL
							Pyrene	2 ug/mL
							Pyridine	2 ug/mL
							Benzoic acid	4 ug/mL
							Indene	4 ug/mL
							Atrazine	4 ug/mL
							Benzaldehyde	4 ug/mL
							Caprolactam	4 ug/mL
							3,3'-Dichlorobenzidine	4 ug/mL
							Benzidine	4 ug/mL
							2,4,6-Tribromophenol (Surr)	2 ug/mL
							2-Fluorobiphenyl (Surr)	2 ug/mL
							2-Fluorophenol (Surr)	2 ug/mL
							Nitrobenzene-d5 (Surr)	2 ug/mL
							Phenol-d5 (Surr)	2 ug/mL
							Terphenyl-d14 (Surr)	2 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L5 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	100 uL	1,1'-Biphenyl	5 ug/mL
							1,2,4,5-Tetrachlorobenzene	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							1,3-Dinitrobenzene	5 ug/mL
							1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2,2'-oxybis[1-chloropropane]	5 ug/mL
							2,3,4,6-Tetrachlorophenol	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	10 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dichlorophenol	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							2-Methylphenol	5 ug/mL
							2-Nitroaniline	5 ug/mL
							2-Nitrophenol	5 ug/mL
							3 & 4 Methylphenol	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Chloroaniline	5 ug/mL
							4-Chlorophenyl phenyl ether	5 ug/mL
							4-Nitroaniline	5 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Acetophenone	5 ug/mL
							Aniline	5 ug/mL
							Anthracene	5 ug/mL
							Azobenzene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Benzyl alcohol	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL
							Bis(2-chloroethyl)ether	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL
							Di-n-octyl phthalate	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	5 ug/mL
							Hexadecane	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							n-Decane	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							n-Octadecane	5 ug/mL
							Naphthalene	5 ug/mL
							Nitrobenzene	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenanthrene	5 ug/mL
							Phenol	5 ug/mL
							Pyrene	5 ug/mL
							Pyridine	5 ug/mL
							Benzoic acid	10 ug/mL
							Indene	10 ug/mL
							Atrazine	10 ug/mL
							Benzaldehyde	10 ug/mL
							Caprolactam	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL
							2,4,6-Tribromophenol (Surr)	5 ug/mL
							2-Fluorobiphenyl (Surr)	5 ug/mL
							2-Fluorophenol (Surr)	5 ug/mL
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL
							Terphenyl-d14 (Surr)	5 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L6 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	200 uL	1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Hexadecane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							n-Decane	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							n-Octadecane	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	10 ug/mL
							Benzoic acid	20 ug/mL
							Indene	20 ug/mL
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Benzidine	20 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L7 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	300 uL	1,1'-Biphenyl	15 ug/mL
							1,2,4,5-Tetrachlorobenzene	15 ug/mL
							1,2,4-Trichlorobenzene	15 ug/mL
							1,2-Dichlorobenzene	15 ug/mL
							1,2-Diphenylhydrazine	15 ug/mL
							1,3-Dichlorobenzene	15 ug/mL
							1,3-Dinitrobenzene	15 ug/mL
							1,4-Dichlorobenzene	15 ug/mL
							1,4-Dioxane	15 ug/mL
							1-Methylnaphthalene	15 ug/mL
							2,2'-oxybis[1-chloropropane]	15 ug/mL
							2,3,4,6-Tetrachlorophenol	15 ug/mL
							2,4,5-Trichlorophenol	15 ug/mL
							2,4,6-Trichlorophenol	15 ug/mL
							2,4-Dichlorophenol	15 ug/mL
							2,4-Dimethylphenol	15 ug/mL
							2,4-Dinitrophenol	30 ug/mL
							2,4-Dinitrotoluene	15 ug/mL
							2,6-Dichlorophenol	15 ug/mL
							2,6-Dinitrotoluene	15 ug/mL
							2-Chloronaphthalene	15 ug/mL
							2-Chlorophenol	15 ug/mL
							2-Methylnaphthalene	15 ug/mL
							2-Methylphenol	15 ug/mL
							2-Nitroaniline	15 ug/mL
							2-Nitrophenol	15 ug/mL
							3 & 4 Methylphenol	15 ug/mL
							3-Nitroaniline	15 ug/mL
							4,6-Dinitro-2-methylphenol	30 ug/mL
							4-Bromophenyl phenyl ether	15 ug/mL
							4-Chloro-3-methylphenol	15 ug/mL
							4-Chloroaniline	15 ug/mL
							4-Chlorophenyl phenyl ether	15 ug/mL
							4-Nitroaniline	15 ug/mL
							4-Nitrophenol	30 ug/mL
							Acenaphthene	15 ug/mL
							Acenaphthylene	15 ug/mL
							Acetophenone	15 ug/mL
							Aniline	15 ug/mL
							Anthracene	15 ug/mL
							Azobenzene	15 ug/mL
							Benzo[a]anthracene	15 ug/mL
							Benzo[a]pyrene	15 ug/mL
							Benzo[b]fluoranthene	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	15 ug/mL
							Benzo[k]fluoranthene	15 ug/mL
							Benzyl alcohol	15 ug/mL
							Bis(2-chloroethoxy)methane	15 ug/mL
							Bis(2-chloroethyl)ether	15 ug/mL
							Bis(2-ethylhexyl) phthalate	15 ug/mL
							Butyl benzyl phthalate	15 ug/mL
							Carbazole	15 ug/mL
							Chrysene	15 ug/mL
							Di-n-butyl phthalate	15 ug/mL
							Di-n-octyl phthalate	15 ug/mL
							Dibenz(a,h)anthracene	15 ug/mL
							Dibenzofuran	15 ug/mL
							Diethyl phthalate	15 ug/mL
							Dimethyl phthalate	15 ug/mL
							Fluoranthene	15 ug/mL
							Fluorene	15 ug/mL
							Hexachlorobenzene	15 ug/mL
							Hexachlorobutadiene	15 ug/mL
							Hexachlorocyclopentadiene	15 ug/mL
							Hexachloroethane	15 ug/mL
							Hexadecane	15 ug/mL
							Indeno[1,2,3-cd]pyrene	15 ug/mL
							Isophorone	15 ug/mL
							n-Decane	15 ug/mL
							N-Nitrosodi-n-propylamine	15 ug/mL
							N-Nitrosodimethylamine	15 ug/mL
							N-Nitrosodiphenylamine	30 ug/mL
							n-Octadecane	15 ug/mL
							Naphthalene	15 ug/mL
							Nitrobenzene	15 ug/mL
							Pentachlorophenol	30 ug/mL
							Phenanthrene	15 ug/mL
							Phenol	15 ug/mL
							Pyrene	15 ug/mL
							Pyridine	15 ug/mL
							Benzoic acid	30 ug/mL
							Indene	30 ug/mL
							Atrazine	30 ug/mL
							Benzaldehyde	30 ug/mL
							Caprolactam	30 ug/mL
							3,3'-Dichlorobenzidine	30 ug/mL
							Benzidine	30 ug/mL
							2,4,6-Tribromophenol (Surr)	15 ug/mL
							2-Fluorobiphenyl (Surr)	15 ug/mL
							2-Fluorophenol (Surr)	15 ug/mL
							Nitrobenzene-d5 (Surr)	15 ug/mL
							Phenol-d5 (Surr)	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14 (Surr)	15 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L8 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	400 uL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Nitroaniline	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Hexadecane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
							Benzoic acid	40 ug/mL
							Indene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
							3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
							2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L9 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	500 uL	1,1'-Biphenyl	25 ug/mL
							1,2,4,5-Tetrachlorobenzene	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Diphenylhydrazine	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,3-Dinitrobenzene	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							1,4-Dioxane	25 ug/mL
							1-Methylnaphthalene	25 ug/mL
							2,2'-oxybis[1-chloropropane]	25 ug/mL
							2,3,4,6-Tetrachlorophenol	25 ug/mL
							2,4,5-Trichlorophenol	25 ug/mL
							2,4,6-Trichlorophenol	25 ug/mL
							2,4-Dichlorophenol	25 ug/mL
							2,4-Dimethylphenol	25 ug/mL
							2,4-Dinitrophenol	50 ug/mL
							2,4-Dinitrotoluene	25 ug/mL
							2,6-Dichlorophenol	25 ug/mL
							2,6-Dinitrotoluene	25 ug/mL
							2-Chloronaphthalene	25 ug/mL
							2-Chlorophenol	25 ug/mL
							2-Methylnaphthalene	25 ug/mL
							2-Methylphenol	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	25 ug/mL
							2-Nitrophenol	25 ug/mL
							3 & 4 Methylphenol	25 ug/mL
							3-Nitroaniline	25 ug/mL
							4,6-Dinitro-2-methylphenol	50 ug/mL
							4-Bromophenyl phenyl ether	25 ug/mL
							4-Chloro-3-methylphenol	25 ug/mL
							4-Chloroaniline	25 ug/mL
							4-Chlorophenyl phenyl ether	25 ug/mL
							4-Nitroaniline	25 ug/mL
							4-Nitrophenol	50 ug/mL
							Acenaphthene	25 ug/mL
							Acenaphthylene	25 ug/mL
							Acetophenone	25 ug/mL
							Aniline	25 ug/mL
							Anthracene	25 ug/mL
							Azobenzene	25 ug/mL
							Benzo[a]anthracene	25 ug/mL
							Benzo[a]pyrene	25 ug/mL
							Benzo[b]fluoranthene	25 ug/mL
							Benzo[g,h,i]perylene	25 ug/mL
							Benzo[k]fluoranthene	25 ug/mL
							Benzyl alcohol	25 ug/mL
							Bis(2-chloroethoxy)methane	25 ug/mL
							Bis(2-chloroethyl)ether	25 ug/mL
							Bis(2-ethylhexyl) phthalate	25 ug/mL
							Butyl benzyl phthalate	25 ug/mL
							Carbazole	25 ug/mL
							Chrysene	25 ug/mL
							Di-n-butyl phthalate	25 ug/mL
							Di-n-octyl phthalate	25 ug/mL
							Dibenz(a,h)anthracene	25 ug/mL
							Dibenzofuran	25 ug/mL
							Diethyl phthalate	25 ug/mL
							Dimethyl phthalate	25 ug/mL
							Fluoranthene	25 ug/mL
							Fluorene	25 ug/mL
							Hexachlorobenzene	25 ug/mL
							Hexachlorobutadiene	25 ug/mL
							Hexachlorocyclopentadiene	25 ug/mL
							Hexachloroethane	25 ug/mL
							Hexadecane	25 ug/mL
							Indeno[1,2,3-cd]pyrene	25 ug/mL
							Isophorone	25 ug/mL
							n-Decane	25 ug/mL
							N-Nitrosodi-n-propylamine	25 ug/mL
							N-Nitrosodimethylamine	25 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Octadecane	25 ug/mL
							Naphthalene	25 ug/mL
							Nitrobenzene	25 ug/mL
							Pentachlorophenol	50 ug/mL
							Phenanthrene	25 ug/mL
							Phenol	25 ug/mL
							Pyrene	25 ug/mL
							Pyridine	25 ug/mL
							Benzoic acid	50 ug/mL
							Indene	50 ug/mL
							Atrazine	50 ug/mL
							Benzaldehyde	50 ug/mL
							Caprolactam	50 ug/mL
							3,3'-Dichlorobenzidine	50 ug/mL
							Benzidine	50 ug/mL
							2,4,6-Tribromophenol (Surr)	25 ug/mL
							2-Fluorobiphenyl (Surr)	25 ug/mL
							2-Fluorophenol (Surr)	25 ug/mL
							Nitrobenzene-d5 (Surr)	25 ug/mL
							Phenol-d5 (Surr)	25 ug/mL
							Terphenyl-d14 (Surr)	25 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 SS W_00004	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMLIST1 SS ST_00004	200 uL	Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Chrysene	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Naphthalene	10 ug/mL
							Phenanthrene	10 ug/mL
							Pyrene	10 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMLIST1 SS ST_00004	06/30/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 SS S1_00004	1 mL	Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Chrysene	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SMLIST1SS SUR_00002	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 SS S1_00004	06/30/16		Restek, Lot A0107697		(Purchased Reagent)		Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..SMLIST1SS SUR_00002	09/30/18		Restek, Lot A092712		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL

Certification Summary

Client: Tetra Tech, Inc. TestAmerica Job ID: 240-51061-1
Project/Site: MRC Soil Remediation (Block H)

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	State Program	9	2927
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAP	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAP	5	200004
TestAmerica Canton	Kansas	NELAP	7	E-10336
TestAmerica Canton	Kentucky (UST)	State Program	4	58
TestAmerica Canton	Kentucky (WW)	State Program	4	98016
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAP	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAP	2	OH001
TestAmerica Canton	New York	NELAP	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Oregon	NELAP	10	4062
TestAmerica Canton	Pennsylvania	NELAP	3	68-00340
TestAmerica Canton	Texas	NELAP	6	
TestAmerica Canton	USDA	Federal		P330-13-00319
TestAmerica Canton	Virginia	NELAP	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	West Virginia DEP	State Program	3	210
TestAmerica Canton	Wisconsin	State Program	5	999518190

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8270D

Semivolatile Organic Compounds (GC/MS) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5SILMS ID: 0.45(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
H-VS-B-1-1	240-51061-1	75	75	69	72	69	74
H-VS-B-2-1	240-51061-2	72	72	68	68	65	69
H-VS-B-4-1	240-51061-3	73	72	68	71	67	69
H-VS-B-3-1	240-51061-4	68	68	62	65	62	69
H-VB-B-1-2	240-51061-5	72	71	63	66	66	70
H-VB-B-2-2	240-51061-6	70	70	63	64	62	68
	MB 240-182098/17-A	77	78	70	73	59	75
	LCS 240-182098/18-A	77	77	77	73	71	75

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	31-110
PHL = Phenol-d5 (Surr)	28-110
NBZ = Nitrobenzene-d5 (Surr)	24-110
FBP = 2-Fluorobiphenyl (Surr)	27-110
TBP = 2,4,6-Tribromophenol (Surr)	19-110
TPH = Terphenyl-d14 (Surr)	34-110

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 50524019.D

Lab ID: LCS 240-182098/18-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	667	477	72	49-110	
Acenaphthylene	667	466	70	49-110	
Anthracene	667	480	72	48-110	
Benzo[a]anthracene	667	491	74	48-110	
Benzo[a]pyrene	667	589	88	44-110	
Benzo[b]fluoranthene	667	560	84	47-110	
Benzo[g,h,i]perylene	667	643	96	50-110	
Benzo[k]fluoranthene	667	606	91	38-110	
Chrysene	667	528	79	51-110	
Dibenz(a,h)anthracene	667	612	92	46-110	
Fluoranthene	667	534	80	48-110	
Fluorene	667	472	71	51-110	
Indeno[1,2,3-cd]pyrene	667	642	96	47-110	
Naphthalene	667	479	72	49-110	
Phenanthrene	667	483	72	49-110	
Pyrene	667	528	79	46-110	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Lab File ID: 50524018.D Lab Sample ID: MB 240-182098/17-A

Matrix: Solid Date Extracted: 05/22/2015 12:31

Instrument ID: A4HP9 Date Analyzed: 05/24/2015 15:55

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-182098/18-A	50524019.D	05/24/2015 16:20
H-VS-B-1-1	240-51061-1	50524020.D	05/24/2015 16:45
H-VS-B-2-1	240-51061-2	50524021.D	05/24/2015 17:11
H-VS-B-4-1	240-51061-3	50524022.D	05/24/2015 17:36
H-VS-B-3-1	240-51061-4	50524023.D	05/24/2015 18:01
H-VB-B-1-2	240-51061-5	50524024.D	05/24/2015 18:26
H-VB-B-2-2	240-51061-6	50524025.D	05/24/2015 18:51

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Lab File ID: 50519001.D DFTPP Injection Date: 05/19/2015

Instrument ID: A4HP9 DFTPP Injection Time: 15:52

Analysis Batch No.: 181541

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	50.2	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	49.8	
70	Less than 2.0% of mass 69	0.1	(0.2)1
127	25.0 - 75.0% of mass 198	52.5	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.5	
275	10.0- 30.0% of mass 198	17.1	
365	Greater than 0.75% of mass 198	1.7	
441	Present, but less than mass 443	10.5	
442	40.0 - 110.0% of mass 198	62.4	
443	15.0 - 24.0% of mass 442	12.0	(19.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 240-181541/2	50519002.D	05/19/2015	16:13
	STD4 240-181541/3	50519003.D	05/19/2015	16:38
	STD3 240-181541/4	50519004.D	05/19/2015	17:03
	STD2 240-181541/5	50519005.D	05/19/2015	17:28
	STD1 240-181541/6	50519006.D	05/19/2015	17:53
	STD9 240-181541/7	50519007.D	05/19/2015	18:18
	STD8 240-181541/8	50519008.D	05/19/2015	18:43
	STD7 240-181541/9	50519009.D	05/19/2015	19:08
	STD6 240-181541/10	50519010.D	05/19/2015	19:33
	ICV 240-181541/11	50519011.D	05/19/2015	19:58

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Lab File ID: 50524001.D DFTPP Injection Date: 05/24/2015

Instrument ID: A4HP9 DFTPP Injection Time: 08:58

Analysis Batch No.: 182204

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	49.2	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	47.2	
70	Less than 2.0% of mass 69	0.2	(0.3)1
127	25.0 - 75.0% of mass 198	54.0	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.5	
275	10.0- 30.0% of mass 198	17.3	
365	Greater than 0.75% of mass 198	1.6	
441	Present, but less than mass 443	9.9	
442	40.0 - 110.0% of mass 198	56.5	
443	15.0 - 24.0% of mass 442	10.9	(19.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-182204/2	50524002.D	05/24/2015	09:19
	MB 240-182098/17-A	50524018.D	05/24/2015	15:55
	LCS 240-182098/18-A	50524019.D	05/24/2015	16:20
H-VS-B-1-1	240-51061-1	50524020.D	05/24/2015	16:45
H-VS-B-2-1	240-51061-2	50524021.D	05/24/2015	17:11
H-VS-B-4-1	240-51061-3	50524022.D	05/24/2015	17:36
H-VS-B-3-1	240-51061-4	50524023.D	05/24/2015	18:01
H-VB-B-1-2	240-51061-5	50524024.D	05/24/2015	18:26
H-VB-B-2-2	240-51061-6	50524025.D	05/24/2015	18:51

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Sample No.: STD6 240-181541/10 Date Analyzed: 05/19/2015 19:33

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 50519010.D Heated Purge: (Y/N) N

Calibration ID: 28569

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		193601	6.41	821091	7.53	384100	9.04
UPPER LIMIT		387202	6.91	1642182	8.03	768200	9.54
LOWER LIMIT		96801	5.91	410546	7.03	192050	8.54
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-181541/11		185978	6.42	801807	7.53	376179	9.04
CCV 240-182204/2 CCVIS		227740	6.37	951162	7.48	428019	8.99

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Sample No.: STD6 240-181541/10 Date Analyzed: 05/19/2015 19:33

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 50519010.D Heated Purge: (Y/N) N

Calibration ID: 28569

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		530433	10.31	495913	12.63	357574	14.45
UPPER LIMIT		1060866	10.81	991826	13.13	715148	14.95
LOWER LIMIT		265217	9.81	247957	12.13	178787	13.95
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-181541/11		519420	10.32	490052	12.63	347707	14.44
CCV 240-182204/2 CCVIS		638945	10.26	561273	12.55	441142	14.31

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Sample No.: CCV 240-182204/2 Date Analyzed: 05/24/2015 09:19

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 50524002.D Heated Purge: (Y/N) N

Calibration ID: 28569

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		227740	6.37	951162	7.48	428019	8.99
UPPER LIMIT		455480	6.87	1902324	7.98	856038	9.49
LOWER LIMIT		113870	5.87	475581	6.98	214010	8.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 240-182098/17-A		197586	6.37	843653	7.48	412024	8.99
LCS 240-182098/18-A		201927	6.36	864458	7.48	420531	8.99
240-51061-1	H-VS-B-1-1	198147	6.37	835961	7.48	403336	8.99
240-51061-2	H-VS-B-2-1	211384	6.36	887922	7.48	431687	8.98
240-51061-3	H-VS-B-4-1	217388	6.37	896085	7.48	428752	8.98
240-51061-4	H-VS-B-3-1	216446	6.37	891484	7.48	436076	8.98
240-51061-5	H-VB-B-1-2	203903	6.37	878587	7.48	416007	8.98
240-51061-6	H-VB-B-2-2	204188	6.36	870569	7.48	424723	8.99

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Sample No.: CCV 240-182204/2 Date Analyzed: 05/24/2015 09:19

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 50524002.D Heated Purge: (Y/N) N

Calibration ID: 28569

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		638945	10.26	561273	12.55	441142	14.31
UPPER LIMIT		1277890	10.76	1122546	13.05	882284	14.81
LOWER LIMIT		319473	9.76	280637	12.05	220571	13.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 240-182098/17-A		633737	10.26	522854	12.54	344862	14.30
LCS 240-182098/18-A		622299	10.26	542983	12.54	368945	14.30
240-51061-1	H-VS-B-1-1	640010	10.26	522985	12.54	336819	14.31
240-51061-2	H-VS-B-2-1	669249	10.25	538658	12.54	369200	14.30
240-51061-3	H-VS-B-4-1	674416	10.25	562599	12.54	367266	14.30
240-51061-4	H-VS-B-3-1	676394	10.25	549357	12.54	364390	14.30
240-51061-5	H-VB-B-1-2	660539	10.25	529508	12.54	350521	14.30
240-51061-6	H-VB-B-2-2	662188	10.25	537692	12.54	348673	14.30

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51061-1

SDG No.:

Client Sample ID: H-VS-B-1-1 | Lab Sample ID: 240-51061-1

Matrix: Solid | Lab File ID: 50524020.D

Analysis Method: 8270D | Date Collected: 05/20/2015 16:23

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 30.43(g) | Date Analyzed: 05/24/2015 16:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182204 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.84	U	7.4	0.84
208-96-8	Acenaphthylene	0.39	U	7.4	0.39
120-12-7	Anthracene	0.86	U	7.4	0.86
56-55-3	Benzo[a]anthracene	0.70	U	7.4	0.70
50-32-8	Benzo[a]pyrene	0.71	U	7.4	0.71
205-99-2	Benzo[b]fluoranthene	0.65	U	7.4	0.65
191-24-2	Benzo[g,h,i]perylene	0.39	U	7.4	0.39
207-08-9	Benzo[k]fluoranthene	0.75	U	7.4	0.75
218-01-9	Chrysene	1.2	U	7.4	1.2
53-70-3	Dibenz(a,h)anthracene	0.73	U	7.4	0.73
206-44-0	Fluoranthene	0.61	U	7.4	0.61
86-73-7	Fluorene	0.59	U	7.4	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	0.39	U	7.4	0.39
91-20-3	Naphthalene	0.91	U	7.4	0.91
85-01-8	Phenanthrene	0.81	U	7.4	0.81
129-00-0	Pyrene	0.49	U	7.4	0.49

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	74		34-110
4165-62-2	Phenol-d5 (Surr)	75		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	69		24-110
367-12-4	2-Fluorophenol (Surr)	75		31-110
321-60-8	2-Fluorobiphenyl (Surr)	72		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	69		19-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51061-1

SDG No.:

Client Sample ID: H-VS-B-2-1 | Lab Sample ID: 240-51061-2

Matrix: Solid | Lab File ID: 50524021.D

Analysis Method: 8270D | Date Collected: 05/20/2015 16:26

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 30.19(g) | Date Analyzed: 05/24/2015 17:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182204 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.85	U	7.5	0.85
208-96-8	Acenaphthylene	0.39	U	7.5	0.39
120-12-7	Anthracene	4.4	J	7.5	0.88
56-55-3	Benzo[a]anthracene	15		7.5	0.71
50-32-8	Benzo[a]pyrene	22		7.5	0.72
205-99-2	Benzo[b]fluoranthene	21		7.5	0.66
191-24-2	Benzo[g,h,i]perylene	17		7.5	0.39
207-08-9	Benzo[k]fluoranthene	8.3		7.5	0.76
218-01-9	Chrysene	21		7.5	1.2
53-70-3	Dibenz(a,h)anthracene	0.74	U	7.5	0.74
206-44-0	Fluoranthene	24		7.5	0.62
86-73-7	Fluorene	0.60	U	7.5	0.60
193-39-5	Indeno[1,2,3-cd]pyrene	13		7.5	0.39
91-20-3	Naphthalene	0.92	U	7.5	0.92
85-01-8	Phenanthrene	11		7.5	0.82
129-00-0	Pyrene	42		7.5	0.49

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	69		34-110
4165-62-2	Phenol-d5 (Surr)	72		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	68		24-110
367-12-4	2-Fluorophenol (Surr)	72		31-110
321-60-8	2-Fluorobiphenyl (Surr)	68		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	65		19-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51061-1

SDG No.:

Client Sample ID: H-VS-B-4-1 | Lab Sample ID: 240-51061-3

Matrix: Solid | Lab File ID: 50524022.D

Analysis Method: 8270D | Date Collected: 05/20/2015 16:32

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 30.11(g) | Date Analyzed: 05/24/2015 17:36

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 13.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182204 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.88	U	7.7	0.88
208-96-8	Acenaphthylene	0.40	U	7.7	0.40
120-12-7	Anthracene	0.90	U	7.7	0.90
56-55-3	Benzo[a]anthracene	0.73	U	7.7	0.73
50-32-8	Benzo[a]pyrene	0.74	U	7.7	0.74
205-99-2	Benzo[b]fluoranthene	0.68	U	7.7	0.68
191-24-2	Benzo[g,h,i]perylene	0.40	U	7.7	0.40
207-08-9	Benzo[k]fluoranthene	0.78	U	7.7	0.78
218-01-9	Chrysene	3.8	J	7.7	1.3
53-70-3	Dibenz(a,h)anthracene	0.76	U	7.7	0.76
206-44-0	Fluoranthene	5.1	J	7.7	0.63
86-73-7	Fluorene	0.61	U	7.7	0.61
193-39-5	Indeno[1,2,3-cd]pyrene	0.40	U	7.7	0.40
91-20-3	Naphthalene	0.95	U	7.7	0.95
85-01-8	Phenanthrene	6.3	J	7.7	0.84
129-00-0	Pyrene	7.9		7.7	0.51

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	69		34-110
4165-62-2	Phenol-d5 (Surr)	72		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	68		24-110
367-12-4	2-Fluorophenol (Surr)	73		31-110
321-60-8	2-Fluorobiphenyl (Surr)	71		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	67		19-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51061-1

SDG No.:

Client Sample ID: H-VS-B-3-1 | Lab Sample ID: 240-51061-4

Matrix: Solid | Lab File ID: 50524023.D

Analysis Method: 8270D | Date Collected: 05/21/2015 09:10

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 29.95(g) | Date Analyzed: 05/24/2015 18:01

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182204 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.86	U	7.5	0.86
208-96-8	Acenaphthylene	0.40	U	7.5	0.40
120-12-7	Anthracene	0.88	U	7.5	0.88
56-55-3	Benzo[a]anthracene	0.71	U	7.5	0.71
50-32-8	Benzo[a]pyrene	0.72	U	7.5	0.72
205-99-2	Benzo[b]fluoranthene	0.67	U	7.5	0.67
191-24-2	Benzo[g,h,i]perylene	0.40	U	7.5	0.40
207-08-9	Benzo[k]fluoranthene	0.77	U	7.5	0.77
218-01-9	Chrysene	1.2	U	7.5	1.2
53-70-3	Dibenz(a,h)anthracene	0.75	U	7.5	0.75
206-44-0	Fluoranthene	4.3	J	7.5	0.62
86-73-7	Fluorene	0.60	U	7.5	0.60
193-39-5	Indeno[1,2,3-cd]pyrene	0.40	U	7.5	0.40
91-20-3	Naphthalene	0.93	U	7.5	0.93
85-01-8	Phenanthrene	0.82	U	7.5	0.82
129-00-0	Pyrene	6.4	J	7.5	0.50

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	69		34-110
4165-62-2	Phenol-d5 (Surr)	68		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	62		24-110
367-12-4	2-Fluorophenol (Surr)	68		31-110
321-60-8	2-Fluorobiphenyl (Surr)	65		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	62		19-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51061-1

SDG No.:

Client Sample ID: H-VB-B-1-2 | Lab Sample ID: 240-51061-5

Matrix: Solid | Lab File ID: 50524024.D

Analysis Method: 8270D | Date Collected: 05/21/2015 09:15

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 30.18(g) | Date Analyzed: 05/24/2015 18:26

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182204 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.94	U	8.2	0.94
208-96-8	Acenaphthylene	0.43	U	8.2	0.43
120-12-7	Anthracene	0.96	U	8.2	0.96
56-55-3	Benzo[a]anthracene	0.78	U	8.2	0.78
50-32-8	Benzo[a]pyrene	0.79	U	8.2	0.79
205-99-2	Benzo[b]fluoranthene	0.73	U	8.2	0.73
191-24-2	Benzo[g,h,i]perylene	0.43	U	8.2	0.43
207-08-9	Benzo[k]fluoranthene	0.84	U	8.2	0.84
218-01-9	Chrysene	1.4	U	8.2	1.4
53-70-3	Dibenz(a,h)anthracene	0.81	U	8.2	0.81
206-44-0	Fluoranthene	0.68	U	8.2	0.68
86-73-7	Fluorene	0.65	U	8.2	0.65
193-39-5	Indeno[1,2,3-cd]pyrene	0.43	U	8.2	0.43
91-20-3	Naphthalene	1.0	U	8.2	1.0
85-01-8	Phenanthrene	0.90	U	8.2	0.90
129-00-0	Pyrene	4.7	J	8.2	0.54

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	70		34-110
4165-62-2	Phenol-d5 (Surr)	71		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	63		24-110
367-12-4	2-Fluorophenol (Surr)	72		31-110
321-60-8	2-Fluorobiphenyl (Surr)	66		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	66		19-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51061-1

SDG No.:

Client Sample ID: H-VB-B-2-2 | Lab Sample ID: 240-51061-6

Matrix: Solid | Lab File ID: 50524025.D

Analysis Method: 8270D | Date Collected: 05/21/2015 09:20

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 30.34(g) | Date Analyzed: 05/24/2015 18:51

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 18.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182204 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.92	U	8.1	0.92
208-96-8	Acenaphthylene	0.42	U	8.1	0.42
120-12-7	Anthracene	0.95	U	8.1	0.95
56-55-3	Benzo[a]anthracene	4.5	J	8.1	0.76
50-32-8	Benzo[a]pyrene	0.78	U	8.1	0.78
205-99-2	Benzo[b]fluoranthene	0.72	U	8.1	0.72
191-24-2	Benzo[g,h,i]perylene	0.42	U	8.1	0.42
207-08-9	Benzo[k]fluoranthene	0.83	U	8.1	0.83
218-01-9	Chrysene	1.3	U	8.1	1.3
53-70-3	Dibenz(a,h)anthracene	0.80	U	8.1	0.80
206-44-0	Fluoranthene	5.7	J	8.1	0.67
86-73-7	Fluorene	0.64	U	8.1	0.64
193-39-5	Indeno[1,2,3-cd]pyrene	0.42	U	8.1	0.42
91-20-3	Naphthalene	0.99	U	8.1	0.99
85-01-8	Phenanthrene	4.9	J	8.1	0.89
129-00-0	Pyrene	9.2		8.1	0.53

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	68		34-110
4165-62-2	Phenol-d5 (Surr)	70		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	63		24-110
367-12-4	2-Fluorophenol (Surr)	70		31-110
321-60-8	2-Fluorobiphenyl (Surr)	64		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	62		19-110

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-51061-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-181541/6	50519006.D
Level 2	STD2 240-181541/5	50519005.D
Level 3	STD3 240-181541/4	50519004.D
Level 4	STD4 240-181541/3	50519003.D
Level 5	STD5 240-181541/2	50519002.D
Level 6	STD6 240-181541/10	50519010.D
Level 7	STD7 240-181541/9	50519009.D
Level 8	STD8 240-181541/8	50519008.D
Level 9	STD9 240-181541/7	50519007.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.9036	0.8928 0.9199	0.8324 0.8887	0.9650 0.9115	0.9191	Ave		0.9041				4.1		20.0			
N-Nitrosodimethylamine	1.3840	1.4220 1.3760	1.4073 1.3564	1.4484 1.3802	1.3973	Ave		1.3964				2.1		20.0			
Pyridine	2.4156	2.3195 2.4350	2.4287 2.3192	2.5699 2.4261	2.4265	Ave		2.4176				3.2		20.0			
Benzaldehyde	1.3314	1.6346 1.3131	1.6235 1.2017	1.6280 1.1863	1.5252	Ave		1.4305			0.0100	13.5		20.0			
Phenol	2.5022	2.7530 2.4310	2.7433 2.2478	2.7828 2.2989	2.6477	Ave		2.5508			0.8000	8.3		20.0			
Aniline	3.0790	3.2327 3.0110	3.3080 2.8381	3.3576 2.8828	3.2156	Ave		3.1156				6.2		20.0			
Bis(2-chloroethyl)ether	1.9859	2.0888 1.9600	2.1211 1.7796	2.1194 1.9018	2.1170	Ave		2.0092			0.7000	6.2		20.0			
2-Chlorophenol	1.6102	1.6039 1.5763	1.5825 1.5172	1.6330 1.5318	1.5937	Ave		1.5811			0.8000	2.5		20.0			
n-Decane	2.2518	2.3524 2.1845	2.5161 2.0576	2.4989 2.0953	2.4429	Ave		2.2999				7.8		20.0			
1,3-Dichlorobenzene	1.5793	1.6288 1.5334	1.5848 1.4552	1.6181 1.4677	1.4935	Ave		1.5451				4.4		20.0			
1,4-Dichlorobenzene	1.6150	1.6152 1.5546	1.6713 1.4626	1.5829 1.4532	1.5449	Ave		1.5625				4.8		20.0			
Benzyl alcohol	1.2761	1.3455 1.2479	1.3302 1.1704	1.3619 1.2002	1.3141	Ave		1.2808				5.4		20.0			
1,2-Dichlorobenzene	1.5319	1.5668 1.4836	1.5407 1.3886	1.5085 1.4134	1.4592	Ave		1.4866				4.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-51061-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Methylphenol	1.7458	1.7985 1.6873	1.8540 1.5902	1.8102 1.6212	1.7989	Ave		1.7383			0.7000	5.5		20.0			
bis (2-chloroisopropyl) ether	2.5928	2.7533 2.5252	2.7073 2.3984	2.7657 2.4662	2.6843	Ave		2.6116				5.3		20.0			
Indene	2.6567	3.0391 2.4352	3.1252 2.1916	3.0650 2.1183	2.9077	Ave		2.6923				15.0		20.0			
3 & 4 Methylphenol	1.8303	1.9404 1.7500	1.9416 1.6587	1.9620 1.6856	1.9169	Ave		1.8357				6.7		20.0			
N-Nitrosodi-n-propylamine	1.2154	1.2671 1.1450	1.2644 1.0825	1.3130 1.0829	1.2542	Ave		1.2030			0.5000	7.4		20.0			
Acetophenone	2.2686	2.3538 2.1825	2.4932 2.0194	2.4745 2.0669	2.3478	Ave		2.2758			0.0100	7.7		20.0			
Hexachloroethane	0.6336	0.6684 0.6179	0.6870 0.5949	0.6524 0.5925	0.6486	Ave		0.6369			0.3000	5.3		20.0			
Nitrobenzene	0.4296	0.4264 0.4270	0.4305 0.4064	0.4449 0.4102	0.4370	Ave		0.4265			0.2000	3.0		20.0			
Isophorone	0.7863	0.8375 0.7683	0.8705 0.7334	0.8591 0.7293	0.8117	Ave		0.7995			0.4000	6.8		20.0			
2-Nitrophenol	0.1732	0.1664 0.1728	0.1718 0.1641	0.1859 0.1627	0.1752	Ave		0.1715			0.1000	4.3		20.0			
2,4-Dimethylphenol	0.3598	0.3852 0.3438	0.4059 0.3308	0.3870 0.3203	0.3711	Ave		0.3630			0.2000	8.2		20.0			
Benzoic acid	0.2103	0.1495 0.2207	0.1964 0.2204	0.1907 0.2163	0.2013	Ave		0.2007				11.7		20.0			
Bis(2-chloroethoxy)methane	0.5112	0.5409 0.5001	0.5675 0.4695	0.5522 0.4600	0.5399	Ave		0.5177			0.3000	7.6		20.0			
2,4-Dichlorophenol	0.2542	0.2640 0.2496	0.2560 0.2413	0.2518 0.2383	0.2394	Ave		0.2493			0.2000	3.6		20.0			
1,2,4-Trichlorobenzene	0.2549	0.2671 0.2557	0.2655 0.2428	0.2636 0.2396	0.2490	Ave		0.2548				4.1		20.0			
Naphthalene	1.1358 1.0409	1.1284 1.0070	1.1222 0.9560	1.1041 0.9365	1.0713	Ave		1.0558			0.7000	7.1		20.0			
4-Chloroaniline	0.4749	0.5185 0.4672	0.4881 0.4585	0.5067 0.4557	0.4992	Ave		0.4836			0.0100	4.8		20.0			
2,6-Dichlorophenol	0.2472	0.2422 0.2398	0.2496 0.2293	0.2501 0.2261	0.2377	Ave		0.2403				3.7		20.0			
Hexachlorobutadiene	0.1070	0.1075 0.1076	0.1082 0.1036	0.1092 0.1013	0.0993	Ave		0.1055			0.0100	3.4		20.0			
Caprolactam	0.1184	0.1302 0.1163	0.1310 0.1125	0.1279 0.1124	0.1164	Ave		0.1206			0.0100	6.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-51061-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.3214	0.3328 0.3118	0.3465 0.3033	0.3324 0.2950	0.3200	Ave		0.3204			0.2000	5.3		20.0			
2-Methylnaphthalene	0.7233 0.6402	0.6767 0.6190	0.6730 0.5793	0.6751 0.5649	0.6401	Ave		0.6435			0.4000	7.8		20.0			
1-Methylnaphthalene	0.6059 0.5584	0.5979 0.5464	0.5830 0.5099	0.5827 0.5075	0.5426	Ave		0.5594				6.4		20.0			
Hexachlorocyclopentadiene	0.2216	0.2241 0.2307	0.2508 0.2286	0.2359 0.2264	0.2502	Ave		0.2335			0.0500	4.8		20.0			
1,2,4,5-Tetrachlorobenzene	0.3963	0.4546 0.3863	0.4169 0.3634	0.4243 0.3490	0.4192	Ave		0.4013			0.0100	8.6		20.0			
2,4,6-Trichlorophenol	0.3265	0.3096 0.3311	0.3365 0.3208	0.3436 0.3207	0.3317	Ave		0.3276			0.2000	3.2		20.0			
2,4,5-Trichlorophenol	0.3560	0.3399 0.3488	0.3513 0.3324	0.3468 0.3230	0.3420	Ave		0.3425			0.2000	3.1		20.0			
1,1'-Biphenyl	1.7463 1.4825	1.6365 1.4570	1.5991 1.3745	1.5708 1.3364	1.5473	Ave		1.5278			0.0100	8.5		20.0			
2-Chloronaphthalene	1.2365 1.1097	1.1402 1.1016	1.2332 1.0431	1.1387 1.0210	1.1211	Ave		1.1272			0.8000	6.5		20.0			
2-Nitroaniline	0.4421	0.4124 0.4584	0.4345 0.4381	0.4516 0.4457	0.4681	Ave		0.4439			0.0100	3.8		20.0			
Dimethyl phthalate	1.1745	1.1490 1.1432	1.2182 1.1175	1.1562 1.0826	1.1538	Ave		1.1494			0.0100	3.4		20.0			
1,3-Dinitrobenzene	0.1968	0.1478 0.2062	0.1623 0.2044	0.1647 0.2042	0.1941	Ave		0.1850				12.5		20.0			
2,6-Dinitrotoluene	0.2742	0.2092 0.2852	0.2436 0.2710	0.2598 0.2746	0.2579	Ave		0.2594				9.2		20.0			
Acenaphthylene	2.2036 1.9316	1.9932 1.8871	2.0495 1.7960	2.0489 1.7326	1.9536	Ave		1.9551			0.9000	7.3		20.0			
3-Nitroaniline	0.4033	0.3358 0.3840	0.3728 0.3835	0.3908 0.3771	0.4056	Ave		0.3816			0.0100	5.7		20.0			
2,4-Dinitrophenol	0.1219	+++++ 0.1349	0.0974 0.1327	0.1164 0.1396	0.1369	Ave		0.1257			0.0100	12.0		20.0			
Acenaphthene	1.2564 1.0877	1.2219 1.0411	1.2389 0.9640	1.2025 0.9262	1.1687	Ave		1.1230			0.9000	11.0		20.0			
4-Nitrophenol	0.1155	0.1082 0.1234	0.1244 0.1205	0.1212 0.1212	0.1134	Ave		0.1185				4.7		20.0			
2,4-Dinitrotoluene	0.3374	0.2591 0.3380	0.2946 0.3362	0.3348 0.3348	0.3468	Ave		0.3227			0.2000	9.3		20.0			
Dibenzofuran	1.6225 1.5238	1.5869 1.4750	1.6226 1.4183	1.5489 1.3750	1.5322	Ave		1.5228			0.8000	5.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-51061-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,3,4,6-Tetrachlorophenol	0.2548	0.2550 0.2396	0.2541 0.2265	0.2521 0.2240	0.2502	Ave		0.2445			0.0100	5.3		20.0			
Diethyl phthalate	1.0858	1.2661 0.9999	1.2427 0.9391	1.2336 0.8897	1.2021	Ave		1.1074			0.0100	13.5		20.0			
Hexadecane	1.1899	1.3496 1.1218	1.4099 1.0574	1.3645 0.9964	1.3829	Ave		1.2340				13.2		20.0			
4-Chlorophenyl phenyl ether	0.4950	0.5189 0.4832	0.5273 0.4763	0.5167 0.4712	0.4965	Ave		0.4981			0.4000	4.2		20.0			
4-Nitroaniline	0.3223	0.2997 0.3357	0.3206 0.3399	0.3524 0.3501	0.3161	Ave		0.3296			0.0100	5.5		20.0			
Fluorene	1.3603 1.2307	1.3053 1.1820	1.3090 1.1120	1.2895 1.0811	1.2603	Ave		1.2367			0.9000	7.6		20.0			
4,6-Dinitro-2-methylphenol	0.0984	0.0678 0.1050	0.0739 0.1042	0.0911 0.1067	0.0927	Ave		0.0925			0.0100	15.8		20.0			
N-Nitrosodiphenylamine	0.5929	0.5565 0.5505	0.5758 0.4914	0.5686 0.4590	0.5626	Ave		0.5447			0.0100	8.4		20.0			
1,2-Diphenylhydrazine(as Azobenzene)	1.2529	1.1553 1.2311	1.2129 1.1588	1.2156 1.1213	1.1833	Ave		1.1927				3.6		20.0			
Azobenzene	1.2527	1.1659 1.2317	1.2129 1.1588	1.2147 1.1212	1.1833	Ave		1.1927				3.6		20.0			
4-Bromophenyl phenyl ether	0.1772	0.1583 0.1782	0.1657 0.1699	0.1658 0.1630	0.1613	Ave		0.1674			0.1000	4.3		20.0			
Hexachlorobenzene	0.1529 0.1603	0.1501 0.1494	0.1603 0.1357	0.1608 0.1301	0.1557	Ave		0.1506			0.1000	7.3		20.0			
Atrazine	0.1588	0.1604 0.1472	0.1712 0.1342	0.1540 0.1164	0.1438	Ave		0.1482			0.0100	11.6		20.0			
n-Octadecane	0.8877	0.8851 0.8514	0.8994 0.7725	0.9206 0.7128	0.8966	Ave		0.8533				8.5		20.0			
Pentachlorophenol	0.1142	0.1095 0.1126	0.1056 0.1061	0.1097 0.1022	0.1136	Ave		0.1092			0.0500	3.9		20.0			
Phenanthrene	1.2206 1.1473	1.1676 1.1478	1.2082 1.0741	1.1826 1.0403	1.1163	Ave		1.1450			0.7000	5.2		20.0			
Anthracene	1.2450 1.1757	1.1627 1.1507	1.2312 1.0832	1.1891 1.0585	1.1380	Ave		1.1593			0.7000	5.3		20.0			
Carbazole	1.0866	1.0467 1.0982	1.1042 1.0483	1.0332 1.0327	0.9151	Ave		1.0456			0.0100	5.7		20.0			
Di-n-butyl phthalate	1.3842	1.2629 1.3583	1.2162 1.2956	1.0608 1.1522	1.1007	Ave		1.2289			0.0100	9.6		20.0			
Fluoranthene	1.0702 1.0739	1.0007 1.0617	1.0330 1.0156	0.8851 0.9374	0.8646	Ave		0.9936			0.6000	8.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-51061-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.7195	0.4659 0.8060	0.4950 0.7453	0.6094 0.7274	0.7127	Ave		0.6601				18.7		20.0			
Pyrene	1.4882 1.2107	1.2287 1.2563	1.3146 1.1256	1.1401 1.0285	1.1193	Ave		1.2124			0.6000	11.1		20.0			
Butyl benzyl phthalate	0.6661	0.6545 0.6868	0.6812 0.6470	0.6955 0.6373	0.6186	Ave		0.6609			0.0100	4.0		20.0			
Bis(2-ethylhexyl) phthalate	0.9305	0.9509 0.9522	0.9286 0.9041	0.9172 0.9073	0.9026	Ave		0.9242			0.0100	2.2		20.0			
3,3'-Dichlorobenzidine	0.3488	0.3083 0.3654	0.3422 0.3431	0.3653 0.3370	0.3698	Ave		0.3475			0.0100	5.8		20.0			
Benzo[a]anthracene	1.2551 1.1113	1.1370 1.1451	1.1777 1.0796	1.1398 1.0556	1.0686	Ave		1.1300			0.8000	5.5		20.0			
Chrysene	1.0753 1.0452	1.0299 1.0516	1.0378 0.9927	1.0326 0.9852	1.0017	Ave		1.0280			0.7000	2.9		20.0			
Di-n-octyl phthalate	2.2096	1.8812 2.1308	2.1822 2.1487	2.1616 2.0895	2.0486	Ave		2.1065			0.0100	5.0		20.0			
Benzo[b]fluoranthene	1.1716 1.3043	1.0938 1.3098	1.2233 1.2855	1.2408 1.2473	1.2292	Ave		1.2340			0.7000	5.5		20.0			
Benzo[k]fluoranthene	1.3447 1.3450	1.0891 1.2602	1.2965 1.2712	1.2618 1.2671	1.1933	Ave		1.2588			0.7000	6.3		20.0			
Benzo[a]pyrene	1.1341 1.2615	1.0802 1.2211	1.1676 1.2351	1.1626 1.2207	1.1516	Ave		1.1816			0.7000	4.9		20.0			
Indeno[1,2,3-cd]pyrene	1.1222 1.1388	0.9885 1.1466	1.0897 1.1432	1.0972 1.1276	1.0655	Ave		1.1021			0.5000	4.6		20.0			
Dibenz(a,h)anthracene	1.0227 0.9494	0.7889 0.9548	0.8965 0.9576	0.9116 0.9557	0.9059	Ave		0.9270			0.4000	6.9		20.0			
Benzo[g,h,i]perylene	1.1182 0.9082	0.8289 0.8934	0.9433 0.8861	0.9553 0.8782	0.8637	Ave		0.9195			0.5000	9.1		20.0			
2-Fluorophenol (Surr)	1.7624	1.7144 1.7032	1.7922 1.6394	1.7839 1.6830	1.7510	Ave		1.7287				3.1		20.0			
Phenol-d5 (Surr)	2.3175	2.3936 2.2539	2.4917 2.1240	2.5025 2.1564	2.4400	Ave		2.3350				6.3		20.0			
Nitrobenzene-d5 (Surr)	0.4194 0.4105	0.4011 0.4031	0.4413 0.3867	0.4218 0.3889	0.4149	Ave		0.4097				4.2		20.0			
2-Fluorobiphenyl (Surr)	1.1333 1.1325	1.1972 1.1268	1.2161 1.0714	1.1833 1.0516	1.1526	Ave		1.1405				4.8		20.0			
2,4,6-Tribromophenol (Surr)	0.1077	0.0909 0.1008	0.1214 0.0976	0.1106 0.0987	0.1117	Ave		0.1049				9.3		20.0			
Terphenyl-d14 (Surr)	0.8804 0.7315	0.7776 0.7627	0.8097 0.7196	0.7828 0.7025	0.7419	Ave		0.7676				7.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-51061-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-181541/6	50519006.D
Level 2	STD2 240-181541/5	50519005.D
Level 3	STD3 240-181541/4	50519004.D
Level 4	STD4 240-181541/3	50519003.D
Level 5	STD5 240-181541/2	50519002.D
Level 6	STD6 240-181541/10	50519010.D
Level 7	STD7 240-181541/9	50519009.D
Level 8	STD8 240-181541/8	50519008.D
Level 9	STD9 240-181541/7	50519007.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	437349	25364 678748	44490 875415	94888 1071779	204428	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCB	Ave	669858	40397 1015299	75213 1336166	142419 1622853	310805	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCB	Ave	1169135	65894 1796760	129804 2284580	252683 2852686	539720	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzaldehyde	DCB	Ave	1288765	92873 1937862	173546 2367472	320146 2789876	678500	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenol	DCB	Ave	1211072	78210 1793803	146621 2214218	273616 2703136	588905	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCB	Ave	1490234	91835 2221782	176801 2795756	330134 3389742	715240	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	961174	59339 1446236	113368 1753057	208390 2236160	470877	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCB	Ave	779327	45563 1163143	84578 1494525	160561 1801164	354483	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
n-Decane	DCB	Ave	1089874	66829 1611919	134475 2026918	245704 2463707	543351	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCB	Ave	764399	46273 1131497	84704 1433496	159098 1725766	332181	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,4-Dichlorobenzene	DCB	Ave	781643	45886 1147110	89326 1440764	155636 1708760	343627	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzyl alcohol	DCB	Ave	617657	38224 920785	71097 1152906	133907 1411267	292290	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dichlorobenzene	DCB	Ave	741420	44510 1094726	82346 1367873	148325 1661946	324559	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCB	Ave	844971	51093 1245014	99088 1566475	177989 1906240	400110	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-51061-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
bis (2-chloroisopropyl) ether	DCB	Ave	1254906	78218 1863294	144698 2362564	271936 2899809	597059	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indene	DCB	Ave	2571685	172671 3593725	334061 4317768	602742 4981628	1293487	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
3 & 4 Methylphenol	DCB	Ave	885883	55124 1291298	103773 1633917	192913 1981943	426360	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	588267	35995 844874	67577 1066310	129098 1273279	278969	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acetophenone	DCB	Ave	1098028	66868 1610414	133252 1989235	243307 2430314	522214	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachloroethane	DCB	Ave	306655	18988 455911	36720 586054	64152 696636	144274	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene	NPT	Ave	881849	51212 1311835	95445 1641533	186218 2033115	414662	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Isophorone	NPT	Ave	1613983	100598 2360460	193006 2962105	359605 3614192	770147	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitrophenol	NPT	Ave	355489	19987 530972	38093 662613	77803 806348	166221	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dimethylphenol	NPT	Ave	738605	46270 1056425	90003 1335910	161993 1587377	352124	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzoic acid	NPT	Ave	863566	35924 1356259	87082 1780038	159687 2143463	381956	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	1049423	64968 1536607	125830 1896177	231164 2279697	512274	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dichlorophenol	NPT	Ave	521888	31714 767012	56758 974522	105402 1181230	227101	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	523332	32082 785634	58869 980805	110342 1187259	236219	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Naphthalene	NPT	Ave	26175 2136740	135538 3093857	248799 3860979	462181 4641347	1016506	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloroaniline	NPT	Ave	974799	62283 1435601	108219 1851876	212116 2258200	473689	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dichlorophenol	NPT	Ave	507422	29093 736882	55344 926144	104704 1120596	225522	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobutadiene	NPT	Ave	219736	12907 330747	23984 418372	45722 502094	94180	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Caprolactam	NPT	Ave	485955	31284 714615	58108 908745	107044 1114386	220881	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
4-Chloro-3-methylphenol	NPT	Ave	659774	39974 957931	76821 1224897	139154 1461983	303610	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylnaphthalene	NPT	Ave	16668 1314168	81278 1901792	149220 2339575	282595 2799718	607347	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-51061-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1-Methylnaphthalene	NPT	Ave	13963 1146338	71814 1678815	129268 2059588	243897 2515213	514799	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	 212762	12378 325359	25499 423785	45693 513405	105131	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	 380570	25110 544673	42396 673702	82170 791502	176143	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	 313555	17101 466876	34212 594742	66538 727392	139400	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,5-Trichlorophenol	ANT	Ave	 341863	18774 491813	35718 616169	67151 732446	143689	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	18690 1423587	90391 2054434	162604 2547893	304189 3030624	650189	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	13234 1065581	62981 1553379	125393 1933553	220516 2315459	471083	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Ave	 424554	22782 646434	44185 812162	87460 1010730	196699	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	 1127807	63464 1612061	123874 2071500	223899 2455040	484839	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dinitrobenzene	ANT	Ave	 188957	8162 290742	16504 378878	31887 463022	81563	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Ave	 263284	11553 402112	24768 502298	50315 622795	108364	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	23584 1854837	110097 2660914	208398 3329215	396781 3929079	820907	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Nitroaniline	ANT	Ave	 387312	18551 541482	37904 710843	75673 855276	170449	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrophenol	ANT	Ave	 234052	+++++ 380406	19800 491793	45069 633352	115054	 20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
Acenaphthene	ANT	Ave	13447 1044451	67492 1467981	125974 1786900	232880 2100351	491073	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitrophenol	ANT	Ave	 221858	11950 347906	25305 446826	46954 549567	95320	 20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
2,4-Dinitrotoluene	ANT	Ave	 323966	14309 476601	29955 623273	64835 759144	145743	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenzofuran	ANT	Ave	17365 1463274	87656 2079939	164987 2629085	299961 3118196	643835	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	 244625	14086 337863	25839 419830	48826 507877	105136	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Diethyl phthalate	ANT	Ave	 1042627	69934 1409993	126358 1740846	238903 2017617	505129	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexadecane	ANT	Ave	 1142639	74545 1581821	143363 1960160	264237 2259625	581090	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-51061-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chlorophenyl phenyl ether	ANT	Ave	475305	28661 681360	53622 882962	100068 1068616	208618	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitroaniline	ANT	Ave	309515	16553 473334	32596 630108	68243 794049	132812	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluorene	ANT	Ave	14558 1181824	72097 1666768	133104 2061385	249715 2451718	529582	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,6-Dinitro-2-methylphenol	PHN	Ave	260936	11899 405092	23262 534950	54056 679391	121257	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
N-Nitrosodiphenylamine	PHN	Ave	1572390	97621 2124595	181291 2522749	337256 2923625	736340	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	1661459	101336 2375637	190959 2974105	360513 3571295	774349	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Azobenzene	PHN	Ave	1661218	102265 2376771	190959 2974105	360241 3570851	774337	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	234984	13887 343776	26083 436145	49164 519173	105534	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobenzene	PHN	Ave	2527 212572	13163 288366	25236 348354	47698 414202	101917	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Atrazine	PHN	Ave	421103	28138 568041	53920 688971	91321 741214	188174	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
n-Octadecane	PHN	Ave	1177228	77632 1642987	141592 1982679	273014 2270229	586714	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pentachlorophenol	PHN	Ave	302897	19206 434512	33264 544703	65051 650714	148629	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenanthrene	PHN	Ave	20170 1521407	102409 2214926	190217 2756919	350742 3313239	730477	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Anthracene	PHN	Ave	20574 1559011	101984 2220409	193839 2780135	352653 3371126	744643	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Carbazole	PHN	Ave	1440872	91808 2119100	173843 2690566	306434 3289131	598785	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-butyl phthalate	PHN	Ave	1835603	110775 2621017	191477 3325383	314595 3669607	720235	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluoranthene	PHN	Ave	17685 1424022	87776 2048812	162631 2606595	262494 2985416	565744	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzidine	CRY	Ave	1784002	65114 2739703	123801 3487416	288393 4141330	738111	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Pyrene	CRY	Ave	18857 1501041	85863 2135077	164389 2633606	269764 2927703	579633	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Butyl benzyl phthalate	CRY	Ave	825808	45739 1167212	85180 1513714	164563 1814087	320324	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	1153610	66449 1618266	116125 2115270	217021 2582603	467391	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-51061-1 Analy Batch No.: 181541

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/19/2015 16:13 Calibration End Date: 05/19/2015 19:33 Calibration ID: 28569

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3,3'-Dichlorobenzidine	CRY	Ave	864928	43091 1241902	85573 1605282	172869 1918417	382988	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Benzo[a]anthracene	CRY	Ave	15904 1377712	79454 1946133	147267 2526054	269698 3004851	553364	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Chrysene	CRY	Ave	13625 1295782	71968 1787198	129774 2322624	244325 2804425	518744	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-octyl phthalate	PRY	Ave	1975272	105077 2825727	204936 3755074	376499 4542762	796268	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[b]fluoranthene	PRY	Ave	11750 1165964	61094 1737025	114882 2246526	216121 2711635	477789	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[k]fluoranthene	PRY	Ave	13486 1202344	60833 1671236	121761 2221648	219773 2754757	463824	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]pyrene	PRY	Ave	11374 1127677	60333 1619343	109650 2158506	202504 2653884	447611	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	11254 1018010	55215 1520587	102340 1997854	191100 2451465	414135	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenz(a,h)anthracene	PRY	Ave	10257 848666	44066 1266277	84196 1673591	158778 2077789	352115	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[g,h,i]perylene	PRY	Ave	11214 811837	46299 1184787	88587 1548497	166390 1909196	335726	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorophenol (Surr)	DCB	Ave	853026	48704 1256749	95785 1614882	175400 1978977	389474	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol-d5 (Surr)	DCB	Ave	1121676	67998 1663125	133174 2092284	246062 2535617	542727	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene-d5 (Surr)	NPT	Ave	9666 842627	48176 1238638	97850 1561937	176561 1927158	393620	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorobiphenyl (Surr)	ANT	Ave	12129 1087462	66127 1588839	123659 1985989	229145 2384803	484320	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	103401	5021 142204	12341 180881	21411 223852	46949	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Terphenyl-d14 (Surr)	CRY	Ave	11156 906899	54340 1296265	101250 1683742	185228 1999755	384196	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

Curve Type Legend:
Ave = Average ISTD

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Lab Sample ID (1): CCV 240-182204/2 CCVIS Instrument ID (1): A4HP9

GC Column (1): RXI-5SILMS ID: 0.45(mm) Date Analyzed (1): 05/24/2015 09:19

ANALYTE	RT	RESOLUTION (%)
2-Fluorophenol (Surr)	5.15	100.0
Phenol-d5 (Surr)	6.00	100.0
Nitrobenzene-d5 (Surr)	6.84	100.0
Naphthalene	7.50	100.0
2-Fluorobiphenyl (Surr)	8.39	100.0
Acenaphthylene	8.87	100.0
Acenaphthene	9.02	100.0
Fluorene	9.46	100.0
2,4,6-Tribromophenol (Surr)	9.66	100.0
Phenanthrene	10.28	100.0
Anthracene	10.32	100.0
Fluoranthene	11.30	100.0
Pyrene	11.50	100.0
Terphenyl-d14 (Surr)	11.58	100.0
Benzo[a]anthracene	12.54	100.0
Chrysene	12.58	100.0
Benzo[b]fluoranthene	13.76	30.30
Benzo[k]fluoranthene	13.80	100.0
Benzo[a]pyrene	14.23	100.0
Indeno[1,2,3-cd]pyrene	16.24	100.0
Dibenz(a,h)anthracene	16.25	100.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Lab Sample ID: ICV 240-181541/11 Calibration Date: 05/19/2015 19:58

Instrument ID: A4HP9 Calib Start Date: 05/19/2015 16:13

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 05/19/2015 19:33

Lab File ID: 50519011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.9041	0.9054		10.0	10.0	0.1	30.0
N-Nitrosodimethylamine	Ave	1.396	1.187		8.50	10.0	-15.0	30.0
Pyridine	Ave	2.418	2.428		10.0	10.0	0.4	30.0
Benzaldehyde	Ave	1.430	1.394	0.0100	19.5	20.0	-2.5	30.0
Phenol	Ave	2.551	2.460	0.8000	9.64	10.0	-3.6	30.0
Aniline	Ave	3.116	3.029		9.72	10.0	-2.8	30.0
Bis(2-chloroethyl)ether	Ave	2.009	1.980	0.7000	9.85	10.0	-1.5	30.0
2-Chlorophenol	Ave	1.581	1.582	0.8000	10.0	10.0	0.0	30.0
n-Decane	Ave	2.300	2.213		9.62	10.0	-3.8	30.0
1,3-Dichlorobenzene	Ave	1.545	1.560		10.1	10.0	1.0	30.0
1,4-Dichlorobenzene	Ave	1.562	1.566		10.0	10.0	0.2	30.0
Benzyl alcohol	Ave	1.281	1.275		9.96	10.0	-0.4	30.0
1,2-Dichlorobenzene	Ave	1.487	1.493		10.0	10.0	0.4	30.0
2-Methylphenol	Ave	1.738	1.785	0.7000	10.3	10.0	2.7	30.0
bis (2-chloroisopropyl) ether	Ave	2.612	2.567		9.83	10.0	-1.7	30.0
Indene	Ave	2.692	2.672		19.8	20.0	-0.8	30.0
3 & 4 Methylphenol	Ave	1.836	1.834		9.99	10.0	-0.0	30.0
N-Nitrosodi-n-propylamine	Ave	1.203	1.175	0.5000	9.77	10.0	-2.3	30.0
Acetophenone	Ave	2.276	2.225	0.0100	9.78	10.0	-2.2	30.0
Hexachloroethane	Ave	0.6369	0.6315	0.3000	9.91	10.0	-0.9	30.0
Nitrobenzene	Ave	0.4265	0.4128	0.2000	9.68	10.0	-3.2	30.0
Isophorone	Ave	0.7995	0.7856	0.4000	9.83	10.0	-1.7	30.0
2-Nitrophenol	Ave	0.1715	0.1659	0.1000	9.67	10.0	-3.3	30.0
2,4-Dimethylphenol	Ave	0.3630	0.3462	0.2000	9.54	10.0	-4.6	30.0
Benzoic acid	Ave	0.2007	0.2153		21.5	20.0	7.3	30.0
Bis(2-chloroethoxy)methane	Ave	0.5177	0.4966	0.3000	9.59	10.0	-4.1	30.0
2,4-Dichlorophenol	Ave	0.2493	0.2423	0.2000	9.72	10.0	-2.8	30.0
1,2,4-Trichlorobenzene	Ave	0.2548	0.2536		9.95	10.0	-0.5	30.0
Naphthalene	Ave	1.056	1.035	0.7000	9.80	10.0	-2.0	30.0
4-Chloroaniline	Ave	0.4836	0.4673	0.0100	9.66	10.0	-3.4	30.0
2,6-Dichlorophenol	Ave	0.2403	0.2391		9.95	10.0	-0.5	30.0
Hexachlorobutadiene	Ave	0.1055	0.1043	0.0100	9.89	10.0	-1.1	30.0
Caprolactam	Ave	0.1206	0.1185	0.0100	19.6	20.0	-1.8	30.0
4-Chloro-3-methylphenol	Ave	0.3204	0.3110	0.2000	9.71	10.0	-2.9	30.0
2-Methylnaphthalene	Ave	0.6435	0.5990	0.4000	9.31	10.0	-6.9	30.0
1-Methylnaphthalene	Ave	0.5594	0.5641		10.1	10.0	0.8	30.0
Hexachlorocyclopentadiene	Ave	0.2335	0.2198	0.0500	9.41	10.0	-5.9	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4013	0.3799	0.0100	9.47	10.0	-5.3	30.0
2,4,6-Trichlorophenol	Ave	0.3276	0.3227	0.2000	9.85	10.0	-1.5	30.0
2,4,5-Trichlorophenol	Ave	0.3425	0.3412	0.2000	9.96	10.0	-0.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Lab Sample ID: ICV 240-181541/11 Calibration Date: 05/19/2015 19:58

Instrument ID: A4HP9 Calib Start Date: 05/19/2015 16:13

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 05/19/2015 19:33

Lab File ID: 50519011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1'-Biphenyl	Ave	1.528	1.461	0.0100	9.56	10.0	-4.4	30.0
2-Chloronaphthalene	Ave	1.127	1.079	0.8000	9.57	10.0	-4.3	30.0
2-Nitroaniline	Ave	0.4439	0.4270	0.0100	9.62	10.0	-3.8	30.0
Dimethyl phthalate	Ave	1.149	1.127	0.0100	9.81	10.0	-1.9	30.0
1,3-Dinitrobenzene	Ave	0.1850	0.1852		10.0	10.0	0.0	30.0
2,6-Dinitrotoluene	Ave	0.2594	0.2674		10.3	10.0	3.1	30.0
Acenaphthylene	Ave	1.955	1.803	0.9000	9.22	10.0	-7.8	30.0
3-Nitroaniline	Ave	0.3816	0.3845	0.0100	10.1	10.0	0.7	30.0
2,4-Dinitrophenol	Ave	0.1257	0.1127	0.0100	17.9	20.0	-10.3	30.0
4-Nitrophenol	Ave	0.1185	0.1108		18.7	20.0	-6.5	30.0
Acenaphthene	Ave	1.123	1.080	0.9000	9.62	10.0	-3.8	30.0
2,4-Dinitrotoluene	Ave	0.3227	0.3269	0.2000	10.1	10.0	1.3	30.0
Dibenzofuran	Ave	1.523	1.432	0.8000	9.40	10.0	-6.0	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.2445	0.2379	0.0100	9.73	10.0	-2.7	30.0
Diethyl phthalate	Ave	1.107	1.052	0.0100	9.50	10.0	-5.0	30.0
Hexadecane	Ave	1.234	1.167		9.46	10.0	-5.4	30.0
4-Chlorophenyl phenyl ether	Ave	0.4981	0.4688	0.4000	9.41	10.0	-5.9	30.0
4-Nitroaniline	Ave	0.3296	0.3075	0.0100	9.33	10.0	-6.7	30.0
Fluorene	Ave	1.237	1.155	0.9000	9.34	10.0	-6.6	30.0
4,6-Dinitro-2-methylphenol	Ave	0.0925	0.0932	0.0100	20.2	20.0	0.8	30.0
N-Nitrosodiphenylamine	Ave	0.5447	0.5685	0.0100	20.9	20.0	4.4	30.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.191	1.277		10.7	10.0	7.2	30.0
Azobenzene	Ave	1.193	1.277		10.7	10.0	7.0	30.0
4-Bromophenyl phenyl ether	Ave	0.1674	0.1740	0.1000	10.4	10.0	3.9	30.0
Atrazine	Ave	0.1482	0.1532	0.0100	20.7	20.0	3.3	30.0
Hexachlorobenzene	Ave	0.1506	0.1518	0.1000	10.1	10.0	0.8	30.0
n-Octadecane	Ave	0.8533	0.8589		10.1	10.0	0.7	30.0
Pentachlorophenol	Ave	0.1092	0.1129	0.0500	20.7	20.0	3.4	30.0
Phenanthrene	Ave	1.145	1.081	0.7000	9.44	10.0	-5.6	30.0
Anthracene	Ave	1.159	1.131	0.7000	9.75	10.0	-2.5	30.0
Carbazole	Ave	1.046	1.021	0.0100	9.76	10.0	-2.4	30.0
Di-n-butyl phthalate	Ave	1.229	1.343	0.0100	10.9	10.0	9.3	30.0
Fluoranthene	Ave	0.9936	1.015	0.6000	10.2	10.0	2.2	30.0
Benzidine	Ave	0.6601	0.6002		18.2	20.0	-9.1	30.0
Pyrene	Ave	1.212	1.117	0.6000	9.21	10.0	-7.9	30.0
Butyl benzyl phthalate	Ave	0.6609	0.6396	0.0100	9.68	10.0	-3.2	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.9242	0.8756	0.0100	9.47	10.0	-5.3	30.0
3,3'-Dichlorobenzidine	Ave	0.3475	0.3233	0.0100	18.6	20.0	-7.0	30.0
Benzo[a]anthracene	Ave	1.130	1.054	0.8000	9.33	10.0	-6.7	30.0
Chrysene	Ave	1.028	1.064	0.7000	10.3	10.0	3.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Lab Sample ID: ICV 240-181541/11 Calibration Date: 05/19/2015 19:58

Instrument ID: A4HP9 Calib Start Date: 05/19/2015 16:13

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 05/19/2015 19:33

Lab File ID: 50519011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	2.107	2.158	0.0100	10.2	10.0	2.4	30.0
Benzo[b]fluoranthene	Ave	1.234	1.214	0.7000	9.83	10.0	-1.7	30.0
Benzo[k]fluoranthene	Ave	1.259	1.300	0.7000	10.3	10.0	3.2	30.0
Benzo[a]pyrene	Ave	1.182	1.199	0.7000	10.1	10.0	1.5	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.102	1.076	0.5000	9.76	10.0	-2.4	30.0
Dibenz(a,h)anthracene	Ave	0.9270	0.9027	0.4000	9.74	10.0	-2.6	30.0
Benzo[g,h,i]perylene	Ave	0.9195	0.8512	0.5000	9.26	10.0	-7.4	30.0
2-Fluorophenol (Surr)	Ave	1.729	1.923		11.1	10.0	11.2	30.0
Phenol-d5 (Surr)	Ave	2.335	2.596		11.1	10.0	11.2	30.0
Nitrobenzene-d5 (Surr)	Ave	0.4097	0.4442		10.8	10.0	8.4	30.0
2-Fluorobiphenyl (Surr)	Ave	1.141	1.243		10.9	10.0	9.0	30.0
2,4,6-Tribromophenol (Surr)	Ave	0.1049	0.1158		11.0	10.0	10.3	30.0
Terphenyl-d14 (Surr)	Ave	0.7676	0.7679		10.0	10.0	0.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Lab Sample ID: CCV 240-182204/2 Calibration Date: 05/24/2015 09:19

Instrument ID: A4HP9 Calib Start Date: 05/19/2015 16:13

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 05/19/2015 19:33

Lab File ID: 50524002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.9041	0.9037		10.0	10.0	-0.0	20.0
N-Nitrosodimethylamine	Ave	1.396	1.369		9.80	10.0	-2.0	20.0
Pyridine	Ave	2.418	2.459		10.2	10.0	1.7	20.0
Benzaldehyde	Ave	1.430	1.333	0.0100	18.6	20.0	-6.8	20.0
Phenol	Ave	2.551	2.433	0.8000	9.54	10.0	-4.6	20.0
Aniline	Ave	3.116	3.008		9.65	10.0	-3.5	20.0
Bis(2-chloroethyl)ether	Ave	2.009	2.125	0.7000	10.6	10.0	5.8	20.0
2-Chlorophenol	Ave	1.581	1.610	0.8000	10.2	10.0	1.8	20.0
n-Decane	Ave	2.300	2.183		9.49	10.0	-5.1	20.0
1,3-Dichlorobenzene	Ave	1.545	1.587		10.3	10.0	2.7	20.0
1,4-Dichlorobenzene	Ave	1.562	1.592		10.2	10.0	1.9	20.0
Benzyl alcohol	Ave	1.281	1.252		9.78	10.0	-2.2	20.0
1,2-Dichlorobenzene	Ave	1.487	1.526		10.3	10.0	2.6	20.0
2-Methylphenol	Ave	1.738	1.743	0.7000	10.0	10.0	0.3	20.0
bis (2-chloroisopropyl) ether	Ave	2.612	2.559		9.80	10.0	-2.0	20.0
Indene	Ave	2.692	2.522		18.7	20.0	-6.3	20.0
3 & 4 Methylphenol	Ave	1.836	1.779		9.69	10.0	-3.1	20.0
N-Nitrosodi-n-propylamine	Ave	1.203	1.150	0.5000	9.56	10.0	-4.4	20.0
Acetophenone	Ave	2.276	2.250	0.0100	9.89	10.0	-1.1	20.0
Hexachloroethane	Ave	0.6369	0.6362	0.3000	9.99	10.0	-0.1	20.0
Nitrobenzene	Ave	0.4265	0.4448	0.2000	10.4	10.0	4.3	20.0
Isophorone	Ave	0.7995	0.7812	0.4000	9.77	10.0	-2.3	20.0
2-Nitrophenol	Ave	0.1715	0.1772	0.1000	10.3	10.0	3.3	20.0
2,4-Dimethylphenol	Ave	0.3630	0.3561	0.2000	9.81	10.0	-1.9	20.0
Benzoic acid	Ave	0.2007	0.2116		21.1	20.0	5.4	20.0
Bis(2-chloroethoxy)methane	Ave	0.5177	0.5062	0.3000	9.78	10.0	-2.2	20.0
2,4-Dichlorophenol	Ave	0.2493	0.2464	0.2000	9.88	10.0	-1.2	20.0
1,2,4-Trichlorobenzene	Ave	0.2548	0.2544		9.99	10.0	-0.1	20.0
Naphthalene	Ave	1.056	1.035	0.7000	9.80	10.0	-2.0	20.0
4-Chloroaniline	Ave	0.4836	0.4787	0.0100	9.90	10.0	-1.0	20.0
2,6-Dichlorophenol	Ave	0.2403	0.2447		10.2	10.0	1.9	20.0
Hexachlorobutadiene	Ave	0.1055	0.1074	0.0100	10.2	10.0	1.8	20.0
Caprolactam	Ave	0.1206	0.1193	0.0100	19.8	20.0	-1.1	20.0
4-Chloro-3-methylphenol	Ave	0.3204	0.3122	0.2000	9.74	10.0	-2.6	20.0
2-Methylnaphthalene	Ave	0.6435	0.6116	0.4000	9.50	10.0	-5.0	20.0
1-Methylnaphthalene	Ave	0.5594	0.5442		9.73	10.0	-2.7	20.0
Hexachlorocyclopentadiene	Ave	0.2335	0.2309	0.0500	9.89	10.0	-1.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4013	0.3846	0.0100	9.58	10.0	-4.2	20.0
2,4,6-Trichlorophenol	Ave	0.3276	0.3316	0.2000	10.1	10.0	1.2	20.0
2,4,5-Trichlorophenol	Ave	0.3425	0.3493	0.2000	10.2	10.0	2.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Lab Sample ID: CCV 240-182204/2 Calibration Date: 05/24/2015 09:19

Instrument ID: A4HP9 Calib Start Date: 05/19/2015 16:13

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 05/19/2015 19:33

Lab File ID: 50524002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1'-Biphenyl	Ave	1.528	1.466	0.0100	9.59	10.0	-4.1	20.0
2-Chloronaphthalene	Ave	1.127	1.102	0.8000	9.77	10.0	-2.3	20.0
2-Nitroaniline	Ave	0.4439	0.4656	0.0100	10.5	10.0	4.9	20.0
Dimethyl phthalate	Ave	1.149	1.191	0.0100	10.4	10.0	3.6	20.0
1,3-Dinitrobenzene	Ave	0.1850	0.2142		11.6	10.0	15.8	20.0
2,6-Dinitrotoluene	Ave	0.2594	0.2994		11.5	10.0	15.4	20.0
Acenaphthylene	Ave	1.955	1.907	0.9000	9.75	10.0	-2.5	20.0
3-Nitroaniline	Ave	0.3816	0.3964	0.0100	10.4	10.0	3.9	20.0
2,4-Dinitrophenol	Ave	0.1257	0.1480	0.0100	23.6	20.0	17.8	20.0
Acenaphthene	Ave	1.123	1.071	0.9000	9.54	10.0	-4.6	20.0
4-Nitrophenol	Ave	0.1185	0.1436		24.2	20.0	21.2*	20.0
2,4-Dinitrotoluene	Ave	0.3227	0.3682	0.2000	11.4	10.0	14.1	20.0
Dibenzofuran	Ave	1.523	1.520	0.8000	9.98	10.0	-0.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2445	0.2438	0.0100	9.97	10.0	-0.3	20.0
Diethyl phthalate	Ave	1.107	1.068	0.0100	9.65	10.0	-3.5	20.0
Hexadecane	Ave	1.234	1.119		9.07	10.0	-9.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.4981	0.4841	0.4000	9.72	10.0	-2.8	20.0
4-Nitroaniline	Ave	0.3296	0.3738	0.0100	11.3	10.0	13.4	20.0
Fluorene	Ave	1.237	1.184	0.9000	9.57	10.0	-4.3	20.0
4,6-Dinitro-2-methylphenol	Ave	0.0925	0.1098	0.0100	23.8	20.0	18.8	20.0
N-Nitrosodiphenylamine	Ave	0.5447	0.4951	0.0100	18.2	20.0	-9.1	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.191	1.183		9.92	10.0	-0.7	20.0
Azobenzene	Ave	1.193	1.184		9.92	10.0	-0.8	20.0
4-Bromophenyl phenyl ether	Ave	0.1674	0.1644	0.1000	9.82	10.0	-1.8	20.0
Hexachlorobenzene	Ave	0.1506	0.1342	0.1000	8.91	10.0	-10.9	20.0
Atrazine	Ave	0.1482	0.1448	0.0100	19.5	20.0	-2.3	20.0
n-Octadecane	Ave	0.8533	0.7530		8.82	10.0	-11.8	20.0
Pentachlorophenol	Ave	0.1092	0.1023	0.0500	18.7	20.0	-6.3	20.0
Phenanthrene	Ave	1.145	1.081	0.7000	9.44	10.0	-5.6	20.0
Anthracene	Ave	1.159	1.105	0.7000	9.53	10.0	-4.7	20.0
Carbazole	Ave	1.046	1.066	0.0100	10.2	10.0	2.0	20.0
Di-n-butyl phthalate	Ave	1.229	1.378	0.0100	11.2	10.0	12.1	20.0
Fluoranthene	Ave	0.9936	1.046	0.6000	10.5	10.0	5.2	20.0
Benzidine	Ave	0.6601	0.6970		21.1	20.0	5.6	20.0
Pyrene	Ave	1.212	1.230	0.6000	10.1	10.0	1.4	20.0
Butyl benzyl phthalate	Ave	0.6609	0.7164	0.0100	10.8	10.0	8.4	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9242	1.025	0.0100	11.1	10.0	10.9	20.0
3,3'-Dichlorobenzidine	Ave	0.3475	0.3427	0.0100	19.7	20.0	-1.4	20.0
Benzo[a]anthracene	Ave	1.130	1.101	0.8000	9.75	10.0	-2.5	20.0
Chrysene	Ave	1.028	1.052	0.7000	10.2	10.0	2.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Lab Sample ID: CCV 240-182204/2 Calibration Date: 05/24/2015 09:19

Instrument ID: A4HP9 Calib Start Date: 05/19/2015 16:13

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 05/19/2015 19:33

Lab File ID: 50524002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	2.107	2.268	0.0100	10.8	10.0	7.7	20.0
Benzo[b]fluoranthene	Ave	1.234	1.206	0.7000	9.77	10.0	-2.3	20.0
Benzo[k]fluoranthene	Ave	1.259	1.342	0.7000	10.7	10.0	6.6	20.0
Benzo[a]pyrene	Ave	1.182	1.217	0.7000	10.3	10.0	3.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.102	1.195	0.5000	10.8	10.0	8.5	20.0
Dibenz(a,h)anthracene	Ave	0.9270	0.9811	0.4000	10.6	10.0	5.8	20.0
Benzo[g,h,i]perylene	Ave	0.9195	0.9867	0.5000	10.7	10.0	7.3	20.0
2-Fluorophenol (Surr)	Ave	1.729	1.778		10.3	10.0	2.8	20.0
Phenol-d5 (Surr)	Ave	2.335	2.294		9.83	10.0	-1.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4097	0.4253		10.4	10.0	3.8	20.0
2-Fluorobiphenyl (Surr)	Ave	1.141	1.134		9.94	10.0	-0.6	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1049	0.1022		9.74	10.0	-2.6	20.0
Terphenyl-d14 (Surr)	Ave	0.7676	0.7396		9.63	10.0	-3.7	20.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51061-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-182098/17-A

Matrix: Solid | Lab File ID: 50524018.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 30(g) | Date Analyzed: 05/24/2015 15:55

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182204 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.76	U	6.7	0.76
208-96-8	Acenaphthylene	0.35	U	6.7	0.35
120-12-7	Anthracene	0.78	U	6.7	0.78
56-55-3	Benzo[a]anthracene	0.63	U	6.7	0.63
50-32-8	Benzo[a]pyrene	0.64	U	6.7	0.64
205-99-2	Benzo[b]fluoranthene	0.59	U	6.7	0.59
191-24-2	Benzo[g,h,i]perylene	0.35	U	6.7	0.35
207-08-9	Benzo[k]fluoranthene	0.68	U	6.7	0.68
218-01-9	Chrysene	1.1	U	6.7	1.1
53-70-3	Dibenz(a,h)anthracene	0.66	U	6.7	0.66
206-44-0	Fluoranthene	0.55	U	6.7	0.55
86-73-7	Fluorene	0.53	U	6.7	0.53
193-39-5	Indeno[1,2,3-cd]pyrene	0.35	U	6.7	0.35
91-20-3	Naphthalene	0.82	U	6.7	0.82
85-01-8	Phenanthrene	0.73	U	6.7	0.73
129-00-0	Pyrene	0.44	U	6.7	0.44

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	75		34-110
4165-62-2	Phenol-d5 (Surr)	78		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	70		24-110
367-12-4	2-Fluorophenol (Surr)	77		31-110
321-60-8	2-Fluorobiphenyl (Surr)	73		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	59		19-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-51061-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-182098/18-A

Matrix: Solid | Lab File ID: 50524019.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3550C | Date Extracted: 05/22/2015 12:31

Sample wt/vol: 30(g) | Date Analyzed: 05/24/2015 16:20

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 182204 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	477		6.7	0.76
208-96-8	Acenaphthylene	466		6.7	0.35
120-12-7	Anthracene	480		6.7	0.78
56-55-3	Benzo[a]anthracene	491		6.7	0.63
50-32-8	Benzo[a]pyrene	589		6.7	0.64
205-99-2	Benzo[b]fluoranthene	560		6.7	0.59
191-24-2	Benzo[g,h,i]perylene	643		6.7	0.35
207-08-9	Benzo[k]fluoranthene	606		6.7	0.68
218-01-9	Chrysene	528		6.7	1.1
53-70-3	Dibenz(a,h)anthracene	612		6.7	0.66
206-44-0	Fluoranthene	534		6.7	0.55
86-73-7	Fluorene	472		6.7	0.53
193-39-5	Indeno[1,2,3-cd]pyrene	642		6.7	0.35
91-20-3	Naphthalene	479		6.7	0.82
85-01-8	Phenanthrene	483		6.7	0.73
129-00-0	Pyrene	528		6.7	0.44

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	75		34-110
4165-62-2	Phenol-d5 (Surr)	77		28-110
4165-60-0	Nitrobenzene-d5 (Surr)	77		24-110
367-12-4	2-Fluorophenol (Surr)	77		31-110
321-60-8	2-Fluorobiphenyl (Surr)	73		27-110
118-79-6	2,4,6-Tribromophenol (Surr)	71		19-110

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Instrument ID: A4HP9 Start Date: 05/19/2015 15:52

Analysis Batch Number: 181541 End Date: 05/19/2015 22:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-181541/1		05/19/2015 15:52	1	50519001.D	RXI-5SILMS 0.45(mm)
STD5 240-181541/2 IC		05/19/2015 16:13	1	50519002.D	RXI-5SILMS 0.45(mm)
STD4 240-181541/3 IC		05/19/2015 16:38	1	50519003.D	RXI-5SILMS 0.45(mm)
STD3 240-181541/4 IC		05/19/2015 17:03	1	50519004.D	RXI-5SILMS 0.45(mm)
STD2 240-181541/5 IC		05/19/2015 17:28	1	50519005.D	RXI-5SILMS 0.45(mm)
STD1 240-181541/6 IC		05/19/2015 17:53	1	50519006.D	RXI-5SILMS 0.45(mm)
STD9 240-181541/7 IC		05/19/2015 18:18	1	50519007.D	RXI-5SILMS 0.45(mm)
STD8 240-181541/8 IC		05/19/2015 18:43	1	50519008.D	RXI-5SILMS 0.45(mm)
STD7 240-181541/9 IC		05/19/2015 19:08	1	50519009.D	RXI-5SILMS 0.45(mm)
STD6 240-181541/10 ICIS		05/19/2015 19:33	1	50519010.D	RXI-5SILMS 0.45(mm)
ICV 240-181541/11		05/19/2015 19:58	1	50519011.D	RXI-5SILMS 0.45(mm)
ZZZZZ		05/19/2015 21:13	200		RXI-5SILMS 0.45(mm)
ZZZZZ		05/19/2015 21:39	100		RXI-5SILMS 0.45(mm)
ZZZZZ		05/19/2015 22:03	50		RXI-5SILMS 0.45(mm)
ZZZZZ		05/19/2015 22:28	50		RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Instrument ID: A4HP9 Start Date: 05/24/2015 08:58

Analysis Batch Number: 182204 End Date: 05/24/2015 18:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-182204/1		05/24/2015 08:58	1	50524001.D	RXI-5SILMS 0.45(mm)
CCV 240-182204/2 CCVIS		05/24/2015 09:19	1	50524002.D	RXI-5SILMS 0.45(mm)
ZZZZZ		05/24/2015 10:56	1		RXI-5SILMS 0.45(mm)
ZZZZZ		05/24/2015 11:21	1		RXI-5SILMS 0.45(mm)
ZZZZZ		05/24/2015 13:25	1		RXI-5SILMS 0.45(mm)
ZZZZZ		05/24/2015 13:50	1		RXI-5SILMS 0.45(mm)
ZZZZZ		05/24/2015 14:40	1		RXI-5SILMS 0.45(mm)
MB 240-182098/17-A		05/24/2015 15:55	1	50524018.D	RXI-5SILMS 0.45(mm)
LCS 240-182098/18-A		05/24/2015 16:20	1	50524019.D	RXI-5SILMS 0.45(mm)
240-51061-1	H-VS-B-1-1	05/24/2015 16:45	1	50524020.D	RXI-5SILMS 0.45(mm)
240-51061-2	H-VS-B-2-1	05/24/2015 17:11	1	50524021.D	RXI-5SILMS 0.45(mm)
240-51061-3	H-VS-B-4-1	05/24/2015 17:36	1	50524022.D	RXI-5SILMS 0.45(mm)
240-51061-4	H-VS-B-3-1	05/24/2015 18:01	1	50524023.D	RXI-5SILMS 0.45(mm)
240-51061-5	H-VB-B-1-2	05/24/2015 18:26	1	50524024.D	RXI-5SILMS 0.45(mm)
240-51061-6	H-VB-B-2-2	05/24/2015 18:51	1	50524025.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Batch Number: 182098 Batch Start Date: 05/22/15 12:31 Batch Analyst: Earle, Steve

Batch Method: 3550C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	exBENZALDEHYD 00022	EXBNASPIKE 00042	EXBNASURR W 00022	
240-51061-B-1	H-VS-B-1-1	3550C, 8270D	T	30.43 g	2 mL			1 mL	
240-51061-B-2	H-VS-B-2-1	3550C, 8270D	T	30.19 g	2 mL			1 mL	
240-51061-B-3	H-VS-B-4-1	3550C, 8270D	T	30.11 g	2 mL			1 mL	
240-51061-B-4	H-VS-B-3-1	3550C, 8270D	T	29.95 g	2 mL			1 mL	
240-51061-B-5	H-VB-B-1-2	3550C, 8270D	T	30.18 g	2 mL			1 mL	
240-51061-B-6	H-VB-B-2-2	3550C, 8270D	T	30.34 g	2 mL			1 mL	
MB 240-182098/17		3550C, 8270D		30 g	2 mL			1 mL	
LCS 240-182098/18		3550C, 8270D		30 g	2 mL	1 mL	1 mL	1 mL	

Batch Notes	
Balance ID	1339912
Na2SO4 Lot Number	1942695
Prep Solvent Lot #	2002048

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-51061-1

SDG No.:

Project: MRC Soil Remediation (Block H)

Client Sample ID	Lab Sample ID
H-VS-B-1-1	240-51061-1
H-VS-B-2-1	240-51061-2
H-VS-B-4-1	240-51061-3
H-VS-B-3-1	240-51061-4
H-VB-B-1-2	240-51061-5
H-VB-B-2-2	240-51061-6

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-51061-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-51061-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 05/22/2015 17:23 End Date: 05/22/2015 17:23

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
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ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
240-50885-A-1 DU	1	T	17:23	X	X																		
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
240-51061-1	1	T	17:23	X	X																		
240-51061-2	1	T	17:23	X	X																		
240-51061-3	1	T	17:23	X	X																		
240-51061-4	1	T	17:23	X	X																		
240-51061-5	1	T	17:23	X	X																		
240-51061-6	1	T	17:23	X	X																		
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 05/22/2015 17:23 End Date: 05/22/2015 17:23

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				
ZZZZZZ			17:23																				

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-51061-1

SDG No.:

Batch Number: 182160 Batch Start Date: 05/22/15 17:23 Batch Analyst: Eikelberry, Nicholas

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-50885-A-1 DU		Moisture	T	4.2418 g	12.1893 g	8.0850 g			
240-51061-A-1	H-VS-B-1-1	Moisture	T	4.2418 g	13.3127 g	12.3102 g			
240-51061-A-2	H-VS-B-2-1	Moisture	T	4.2418 g	11.1145 g	10.3238 g			
240-51061-A-3	H-VS-B-4-1	Moisture	T	4.2418 g	13.0559 g	11.8541 g			
240-51061-A-4	H-VS-B-3-1	Moisture	T	4.2418 g	14.8525 g	13.6505 g			
240-51061-A-5	H-VB-B-1-2	Moisture	T	4.2418 g	10.1338 g	8.9909 g			
240-51061-A-6	H-VB-B-2-2	Moisture	T	4.2418 g	10.8116 g	9.5960 g			

Batch Notes	
Balance ID	B047 No Unit
Date samples were placed in the oven	5/22/15
Oven Temp when samples are put in oven	103.1 Degrees C
Time samples were place in the oven	17:40
Date samples were removed from oven	5/26/15
Oven Temp when samples removed from oven	103.3 Degrees C
Time Samples were removed from oven	04:30
Oven ID	002
ID number of the thermometer	Tempguard Box C #6

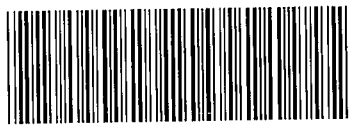
Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS



240-51061 Chain of Custody

4101 Shuffel Street, N.W. North Canton, OH 44720 **tel** 330.497.9396 **fax** 330.497.0772 **www.testamericainc.com**

CHAIN OF CUSTODY RECORD

2.8 / Cl, 6

PROJECT NO.:	SITE NAME:
112IC07483	MRC Soil Remediation (Block H)

SAMPLERS (SIGNATURE): JOSH MULLIS

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION SAMPLE ID	NO. OF CON-TAINERS	PAH (8270D)							REMARKS
1	5/20	1623	X		H-VS-B-1-1	1	X							★ 3 DAY TAT ★
1	5/20	1626	X		H-VS-B-2-1	1	X							★ TESTAMERICA
1	5/20	1632	X		JAM H-VS-B-4-1	1	X							NORTH CANTON ★
1	5/21	0910	X	JRS	H-VS-B-3-1	1	X							
1	5/21	0915		X	H-VB-B-1-2	1	X							
	5/21	0920		X	H-VB-B-2-2	1	X							

5/21/15

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
	5/21 1545			5-21-2015 1705	
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE): 5-22-15 930	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	

Order No. 70440 (0693)

TestAmerica Canton Sample Receipt Form/Narrative Login # : 51091
Canton Facility

Client MRC Site Name _____ Cooler unpacked by:

Cooler Received on 5-22-15 Opened on 5-22-15

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

~~IR GUN# A (CF +4.0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C~~

IR GUN# 4 (CF +0.5 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C ☐ See Multiple Cooler Form

~~IR GUN# 5 (CF +0.4 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C~~

IR GUN# 8 (CF -1.2 °C) Observed Cooler Temp. 2.8 °C Corrected Cooler Temp. 1.6 °C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   -Were custody seals on the bottle(s)? Yes ~~No~~
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the sampler(s) clearly identified on the COC? Yes ~~No~~ JS
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC432654
12. Were VOAs on the COC? Yes No
13. Were air bubbles >6 mm in any VOA vials? Yes No NA
14. Was a trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

APPENDIX G—POST-EXCAVATION RESIDUAL-RISK ANALYSIS

TECHNICAL MEMORANDUM

POST-EXCAVATION RISK ANALYSIS FOR TAX BLOCK H SOILS

LOCKHEED MARTIN MIDDLE RIVER COMPLEX

MIDDLE RIVER, MARYLAND

NOVEMBER 2015

1.0 Introduction

This memorandum provides the results of the risk analysis for the concentrations of chemicals of potential concern (COPC) remaining in soils after the implementation of the remedial action (soil excavation) in Block H. The remedial action was completed in May 2015 in accordance with the remedial action plan prepared for Block H. The soil excavation was necessary because risk estimates for Block H presented in the *Human Health Risk Assessment (HHRA) for Blocks D, E, F, G, and H Soils, Lockheed Martin Middle River Complex, 2323 Eastern Boulevard, Middle River, Maryland* (Tetra Tech, 2012) for a hypothetical industrial worker population exceeded risk management benchmarks established by the Maryland Department of the Environment (MDE). The MDE cumulative cancer risk management benchmark is 1×10^{-5} (i.e., a one in one-hundred thousand excess chance of developing cancer). The MDE cumulative non-cancer risk benchmark is a hazard index of 1. Potential adverse non-carcinogenic health effects may occur if the hazard index (calculated on a target organ specific basis) exceeds one. The overall objective of this post-excavation analysis is to demonstrate that with the excavation of soils from the removal areas, the risk assessment of the final exposure point concentrations (EPCs) for the COPC from all remaining soils in Block H result in industrial worker cancer and non-cancer risk estimates less than MDE risk management benchmarks.

The 2012 HHRA indicated that the group of polycyclic aromatic hydrocarbons (PAHs) typically evaluated as benzo(a)pyrene equivalents (BaPEqs) were the predominant chemicals of concern (COCs) for an industrial worker hypothetically exposed to soils in Block H. The remedial action plan and associated residual risk assessment recommended that surface soils at locations SB-604D, SB-282A, and SB-282D be excavated (to a depth of 2 feet below ground surface [bgs]) so that risk estimates for an industrial worker exposed to Block H surface soils would not exceed the MDE risk management benchmarks. In addition surface soils at SB-282, which is adjacent to SB-282A and SB-282D were also excavated. The locations recommended for remediation are depicted on Figure 1 (i.e., within Block H sub-areas A and B) and the associated concentrations are in Table 2-1 of the residual risk analysis (an appendix to the remedial action plan, included as Attachment A of this document). The remedial action plan and residual risk analysis also

present the remedial goals established for BaPEq and the rationale for each location (and depth) recommended for excavation.

The following sections briefly discuss the post-excavation (i.e., confirmation) soils data and present the results of the final Block H risk assessment of the post excavation soils dataset for Block H (i.e., the updated HHRA). The post-excavation soils dataset is defined as all data for the side-wall confirmation soil samples collected in 2015 as well as historical surface soil data for all locations not excavated. The original surface soil data for locations SB-604D, SB-282, SB-282A, and SB-282D [i.e., the excavated soils] have been replaced with chemical concentrations from the replacement backfill soil in the post-excavation soils dataset. The reader is referred to Section 4 of the Block H construction completion report for detailed description of the soil excavation and post excavation soil sampling conducted in Block H.

2.0 Analytical Results for Post Excavation Soil Samples

Post excavation soils samples were collected from Block H sub-area A (addressing surficial contamination at locations SB-282, SB-282A, and SB-282D) and Block H sub-area B (addressing surficial contamination at location SB-604D), and analyzed for PAHs using United States Environmental Protection Agency (USEPA) SW-846 Method 8270D. Four side-wall and three floor (or excavation base) samples were collected from Block H sub-area A. Four side-wall and two base samples were collected from Block H sub-area B. The side-wall samples were composites of soils from the side-walls of the excavation. The base samples were grab samples from the floor of the excavation (2 feet bgs). Sample locations are depicted on Figure 2. All data collected were validated in accordance with USEPA Region 3 protocols and found acceptable for use in the human health risk assessment (Attachment B).

Analytical results for the post excavation samples are in Table A and B for Block H sub-areas A and B, respectively. None of the calculated BaPEq concentrations exceed the remedial goal established in the remedial action plan for an industrial worker exposed to soils (2,900 micrograms per kilogram [µg/kg], representing the 1×10^{-5} cancer risk level). In fact, none exceed the risk-based concentration representing the 1×10^{-6} cancer risk level for an industrial worker exposed to soils (290 µg/kg). Benzo(a)pyrene and dibenzo(a,h)anthracene were the only target analyte PAHs detected at a concentration exceeding the USEPA residential regional screening level (RSL) representing the 1×10^{-6} cancer risk level (Table C).

3.0 Risk Assessment of Block H Post Excavation Soils Dataset

The risk assessment of the post-excavation soils dataset for Block H was conducted using the USEPA and MDE methodologies presented in the 2012 HHRA, updated as necessary based on recent USEPA risk assessment guidance documents. The reader is referred to the 2012 HHRA for a detailed explanation of the risk assessment process and all equations used to calculate exposure dose and risk.

The updated HHRA results are presented in USEPA Risk Assessment for Superfund (RAGS) Part D format tables in Attachment C. The chemicals highlighted in Table D were selected as COPCs because their maximum detected concentration exceeded current RSL(s) for residential exposures to soils. The exposure assessment assumptions (e.g., days per year exposed) are those presented in the Office of Solid Waste and Emergency Response (OSWER) Directive 9200.1-120, *Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors*. (USEPA, 2014) or other USEPA references specified in Attachment D. The EPCs were calculated using the current version of the USEPA's Pro-UCL software (Version 5.0.00). The toxicity criteria (e.g., cancer slope factors, reference doses) used to estimate cancer and non-cancer risks are those in the June 2015 RSL table published by USEPA.

The results of the risk assessment of the post-excavation surface soils dataset for Block H are in Table E. The cancer and non-cancer risk estimates do not exceed the MDE cumulative risk management benchmarks (i.e., an excess lifetime cancer risk of 1×10^{-5} or a total target organ specific hazard index of 1). The cumulative risk estimates do not include estimates for arsenic because the maximum detected arsenic concentration in the post-excavation soil samples (6.1 mg/kg) was less than the Middle River Complex background value (12 mg/kg) documented in the approved remedial action plan for Block B (see background concentrations for arsenic in soils in Appendix I of the Tetra Tech, 2009). However, the cumulative risk estimates do include risk estimates for all other COPCs identified in the 2012 HHRA so that the reader can compare pre-excavation soil risk estimates to post-excavation soil risk estimates. It should be noted that the COPC list for the 2012 HHRA was not specific to Block H. It was a global COPC list, based on chemical concentrations detected in *all* of the tax blocks evaluated in the 2012 HHRA (i.e., Blocks D, E, F, G, and H).

The maximum BaPEq concentration detected in the post-excavation surface soil data set for Block H (620 µg/kg) does not exceed the remedial goal established in the remedial action plan.

4.0 Summary and Conclusions

The soil remediation for Block H consisted of the excavation of soils (to a depth of 2 feet bgs) at sub-areas A and B within the tax block. The BaPEq concentrations detected in the side-wall and base post-excavation soil samples did not exceed the remedial goal established in the remedial action plan. The cancer and non-cancer risk estimates calculated for the post-excavation soils dataset for Block H do not exceed MDE cumulative risk management benchmarks verifying that risk reduction has been achieved for site closure under current and future industrial site use. The soil remediation at Block H has been completed successfully.

FIGURES

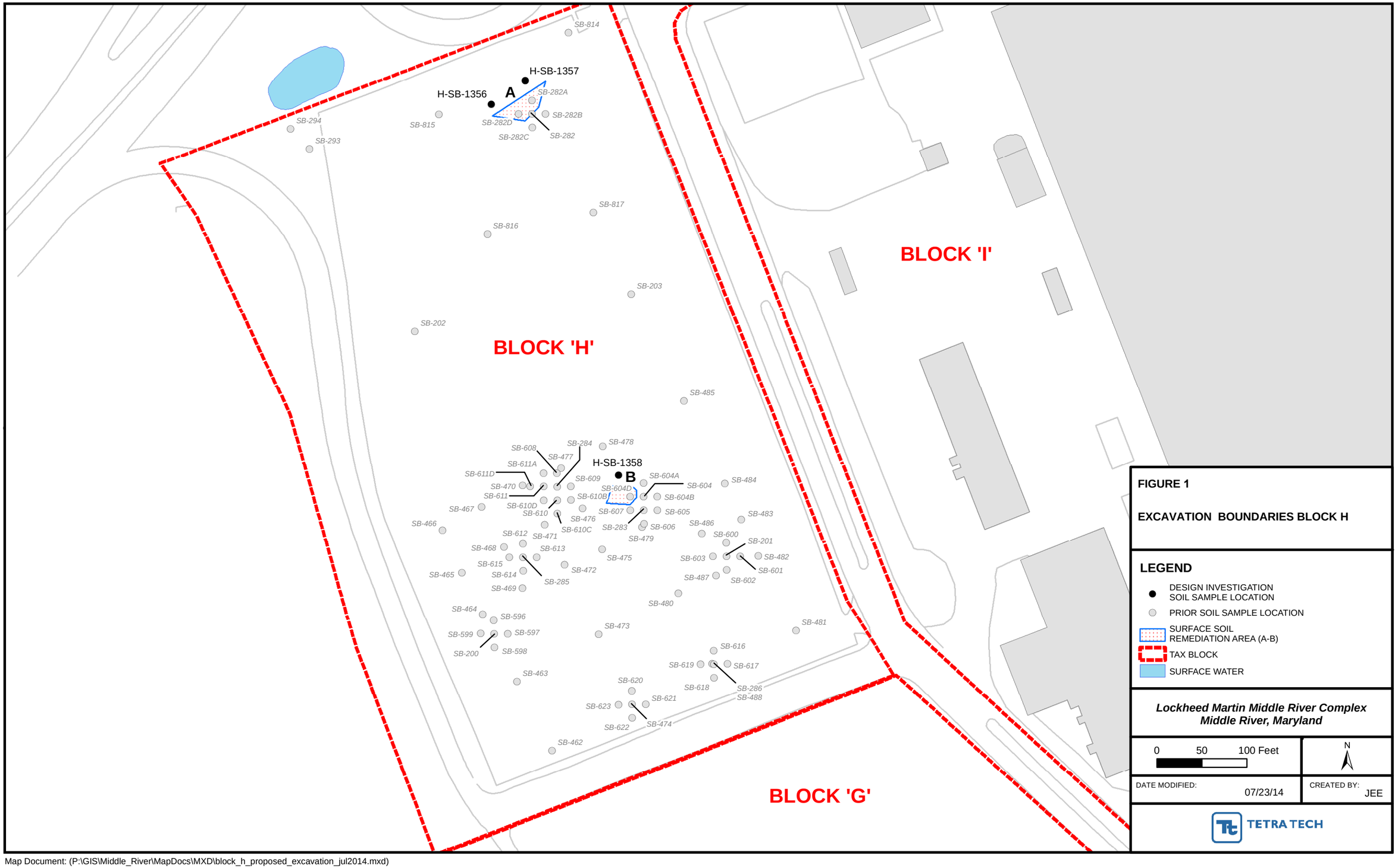


FIGURE 1

EXCAVATION BOUNDARIES BLOCK H

LEGEND

- DESIGN INVESTIGATION SOIL SAMPLE LOCATION
- PRIOR SOIL SAMPLE LOCATION
- SURFACE SOIL REMEDIATION AREA (A-B)
- TAX BLOCK
- SURFACE WATER

Lockheed Martin Middle River Complex
Middle River, Maryland

0 50 100 Feet

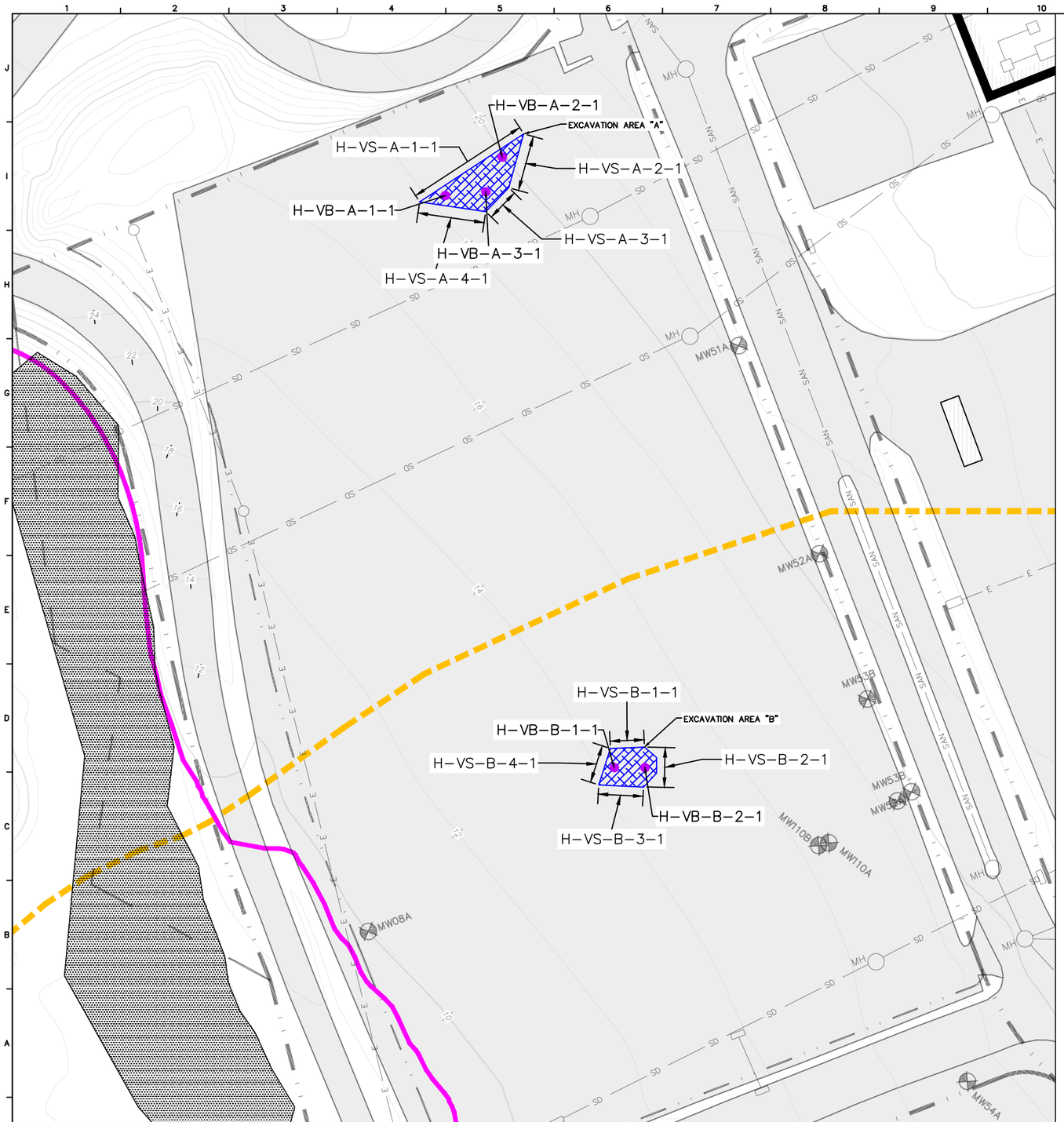
N

DATE MODIFIED: 07/23/14

CREATED BY: JEE

TETRA TECH

Map Document: (P:\GIS\Middle_River\MapDocs\MXD\block_h_proposed_excavation_jul2014.mxd)
07/23/14 -- JEE



LEGEND:

- VERIFICATION SIDEWALL SAMPLE LOCATION
- VERIFICATION BASE SAMPLE LOCATION
- EXCAVATION BOUNDARY 2-FOOT DEPTH
- DELINEATED WETLAND AREA
- ASPHALT PAVEMENT
- CONTOUR LINE
- BLOCK BOUNDARY
- CRITICAL AREA LINE
- 100-FT FLOOD PLAIN LINE
- SD — STORM DRAIN
- SAN — SANITARY SEWER
- MH — MANHOLE
- MW — MONITORING WELL

GENERAL NOTES:
1. EXCAVATION BOUNDARIES BASED ON 100% SOIL REMEDIAL ACTION DESIGN (TETRA TECH INC., 2015)
2. SIDEWALL VERIFICATION SAMPLES WERE COLLECTED EVERY 100-FEET.
3. BASE VERIFICATION SAMPLES WERE COLLECTED EVERY 625 SQUARE FOOT.

TETRA TECH
www.tetratech.com
20251 CENTURY BLVD
GERMANTOWN, MD 20874
T: (301) 528-5552 | F: (301) 528-3000

STATE OF MARYLAND — SCOTT I. SAMUEL — No. 29015 — PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION	BY

LOCKHEED MARTIN
MIDDLE RIVER COMPLEX

SOIL REMEDIAL ACTION
VERIFICATION SAMPLE LOCATIONS
BLOCK H

DATE:	10/02/2015
PROJECT NO.:	112IC07483
DESIGNED BY:	ISG
DRAWN BY:	ISG
CHECKED BY:	SAN
SHEET:	1 OF 1

COPYRIGHT TETRA TECH INC.

FIGURE 2

K:\CADD\MRC\112IC07483\Construction Completion\AS BUILT FIGURES.dwg IVANNA.GOLDSBERRY 10/2/2015 10:36:25 AM

TABLES

Table A
Summary of Soil Verification Samples - Block H Area A
Post Excavation Residual Risk Analysis for Block H
Lockheed Martin Corporation Middle River Complex
Middle River, Maryland

NSAMPLE LAB ID SAMPLE DATE DUPLICATE SAMPLE	**Residential RSL[1]**	**Industrial RSL[1]**	**RG**	**H-VB-A-1-2 240-51073-5 05/20/2015 --**	**H-VB-A-2-2 240-51073-6 05/20/2015 --**	**H-VB-A-3-2 240-51073-7 05/20/2015 --**	**H-VS-A-1-1 240-51073-1 05/20/2015 --**	**H-VS-A-2-1 240-51073-2 05/20/2015 --**	**H-DUP01 240-51073-8 05/20/2015 H-VS-A-2-1**	**H-VS-A-3-1 240-51073-3 05/20/2015 --**	**H-VS-A-4-1 240-51073-4 05/20/2015 --**
PAH (UG/KG)											
ACENAPHTHYLENE	360,000 N[2]	4,500,000 N[2]	-	0.41 U	0.42 U	0.43 U	0.42 U	0.42 U	4.9 J	0.44 U	0.43 U
ANTHRACENE	1,800,000 N	23,000,000 N	-	0.92 U	0.93 U	14	0.93 U	0.93 U	10	0.98 U	0.95 U
BENZO(A)PYRENE EQUIVALENTS-1/2 NON-DETECT[3]	16 C	290 C	2,900	0.76 U	0.77 U	**82**	0.77 U	**74**	**167**	**40**	**42**
BENZO(A)PYRENE EQUIVALENTS-POSITIVE RESULTS[4]	16 C	290 C	2,900	0.76 U	0.77 U	**82**	0.77 U	**74**	**167**	**39**	**42**
BENZO(A)ANTHRACENE	160 C	2,900 C	NA[5]	0.75 U	0.75 U	60	0.75 U	21 J	57 J	17	22
BENZO(A)PYRENE	16 C	290 C	NA[5]	0.76 U	0.77 U	**55**	0.77 U	**52 J**	**120 J**	**32**	**34**
BENZO(B)FLUORANTHENE	160 C	2,900 C	NA[5]	0.7 U	0.71 U	66	0.71 U	39 J	93 J	33	30
BENZO(G,H,I)PERYLENE	180,000 N[6]	2,300,000 N[6]	-	0.41 U	0.42 U	48	0.42 U	54 J	130 J	34	32
BENZO(K)FLUORANTHENE	1,600 C	29,000 C	NA[5]	0.8 U	0.81 U	22	0.81 U	33 J	70 J	14	22
CHRYSENE	16,000 C	290,000 C	NA[5]	1.3 U	1.3 U	75	1.3 U	35 J	76 J	23	33
DIBENZO(A,H)ANTHRACENE	16 C	290 C	NA[5]	0.78 U	0.79 U	11	0.79 U	12 J	**22 J**	0.83 U	0.8 U
FLUORANTHENE	240,000 N	3,000,000 N	-	4.5 J	0.66 U	110	0.66 U	19 J	55 J	15	25
INDENO(1,2,3-CD)PYRENE	160 C	2,900 C	NA[5]	0.41 U	0.42 U	36	0.42 U	36 J	89 J	22	23
PHENANTHRENE	180,000 N[6]	2,300,000 N[6]	-	0.86 U	0.87 U	110	0.87 U	5.2 J	20	7.8 J	12
PYRENE	180,000 N	2,300,000 N	-	6.6 J	0.53 U	160	4.6 J	52 J	140 J	39	58

Notes:

Bolded results exceed the Residential RSL.

No results exceed the Industrial RSL or the RG.

[1] USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, June 2015. The noncarcinogenic values (denoted with a "N" flag) correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).

[2] Value is for acenaphthene.

[3] Calculated using one-half the detection limit for non-detected results.

[4] Calculated using a value of zero for non-detected results.

[5] cPAHs have been used in calculating the benzo(a)pyrene equivalents and therefore are not screened against the RG.

U: Non-detect

J: Estimated result

RG: remedial goal

RSL Regional Screening Level

USEPA United States Environmental Protection Agency

--: No Duplicate collected

Table B
Summary of Soil Verification Samples - Block H Area B
Post Excavation Residual Risk Analysis for Block H
Lockheed Martin Corporation Middle River Complex
Middle River, Maryland

SAMPLE NAME LAB ID SAMPLE DATE DUPLICATE SAMPLE	**Residential RSL[(1)]**	**Industrial RSL[(1)]**	**RG**	**H-VB-B-1-2 240-51061-5 05/21/2015 --**	**H-VB-B-2-2 240-51061-6 05/21/2015 --**	**H-VS-B-1-1 240-51061-1 05/20/2015 --**	**H-VS-B-2-1 240-51061-2 05/20/2015 --**	**H-VS-B-3-1 240-51061-4 05/21/2015 --**	**H-VS-B-4-1 240-51061-3 05/20/2015 --**
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
ANTHRACENE	1,800,000 N	23,000,000 N	-	0.96 U	0.95 U	0.86 U	4.4 J	0.88 U	0.9 U
BENZO(A)PYRENE EQUIVALENTS-1/2 NON-DETECT[(2)]	16 C	290 C	2,900	0.79 U	1.3	0.71 U	**27**	0.72 U	0.85
BENZO(A)PYRENE EQUIVALENTS-POSITIVE RESULTS[(3)]	16 C	290 C	2,900	0.79 U	0.45	0.71 U	**27**	0.72 U	0.0038
BENZO(A)ANTHRACENE	160 C	2,900 C	NA[(4)]	0.78 U	4.5 J	0.7 U	15	0.71 U	0.73 U
BENZO(A)PYRENE	16 C	290 C	NA[(4)]	0.79 U	0.78 U	0.71 U	**22**	0.72 U	0.74 U
BENZO(B)FLUORANTHENE	160 C	2,900 C	NA[(4)]	0.73 U	0.72 U	0.65 U	21	0.67 U	0.68 U
BENZO(G,H,I)PERYLENE	180,000 N[(5)]	2,300,000 N[(5)]	-	0.43 U	0.42 U	0.39 U	17	0.4 U	0.4 U
BENZO(K)FLUORANTHENE	1,600 C	29,000 C	NA[(4)]	0.84 U	0.83 U	0.75 U	8.3	0.77 U	0.78 U
CHRYSENE	16,000 C	290,000 C	NA[(4)]	1.4 U	1.3 U	1.2 U	21	1.2 U	3.8 J
DIBENZO(A,H)ANTHRACENE	16 C	290 C	NA[(4)]	0.81 U	0.8 U	0.73 U	0.74 U	0.75 U	0.76 U
FLUORANTHENE	240,000 N	3,000,000 N	-	0.68 U	5.7 J	0.61 U	24	4.3 J	5.1 J
INDENO(1,2,3-CD)PYRENE	160 C	2,900 C	NA[(4)]	0.43 U	0.42 U	0.39 U	13	0.4 U	0.4 U
PHENANTHRENE	180,000 N[(5)]	2,300,000 N[(5)]	-	0.9 U	4.9 J	0.81 U	11	0.82 U	6.3 J
PYRENE	180,000 N	2,300,000 N	-	4.7 J	9.2	0.49 U	42	6.4 J	7.9

Notes:

Bolded results exceed the Residential RSL.

No results exceed the Industrial RSL or the RG.

[(1)]USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, June 2015. The noncarcinogenic values (denoted with a "N" flag) correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).

[(2)] Calculated using one-half the detection limit for non-detected results.

[(3)] Calculated using a value of zero for non-detected results.

[(4)] cPAHs have been used in calculating the benzo(a)pyrene equivalents and therefore are not screened against the RG.

[(5)] Value is for pyrene.

NA: Not applicable

U: Non-detect

J: Estimated result

RG: remedial goal

--: no duplicate sample collected

RSL Regional Screening Level

USEPA United States Environmental Protection Agency

Table C
Target Analyte List of PAHs for Post Excavation Soil Samples
Post Excavation Residual Risk Analysis for Block H
Lockheed Martin Corporation Middle River Complex
Middle River, Maryland

Analyte	Is this PAH used in the calculation of the BaPeq (per USEPA guidance)?	Was this PAH detected in the post excavation soil samples at concentrations exceeding USEPA RSLs for industrial workers?[1]
Acenaphthene[2]	No	No
Acenaphthylene	No	No
Anthracene	No	No
Benzo(a)anthracene	Yes	No
Benzo(a)pyrene	Yes	No
Benzo(b)fluoranthene	Yes	No
Benzo(g,h,i)perylene	No	No
Benzo(k)fluoranthene	Yes	No
Chrysene	Yes	No
Dibenzo(a,h)anthracene	Yes	No
Fluoranthene	No	No
Fluorene[2]	No	No
Indeno(1,2,3-cd)pyrene	Yes	No
Naphthalene[2]	No	No
Phenanthrene	No	No
Pyrene	No	No

Notes:

[1] - The most current RSLs were published in June 2015 and represent the 1×10^{-6} cancer risk level for for carcinogens or a hazard index of 0.1 for non-carcinogens.

[2] - The target analyte was not detected in post-excavation soil samples

TABLE D
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - DIRECT CONTACT WITH SURFACE SOIL - BLOCK H SOILS REMEDIATION
LOCKHEED MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	Range of Background Concentrations[4]	USEPA RSL - Residential Soil[5]	Potential ARAR/TBC	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Deletion or Selection[6]
Block H	**Volatile Organic Compounds**														
	526-73-8	1,2,3-Trimethylbenzene	0.4 J	0.4 J	ug/kg	SB-284-0102	1/7	0.4 - 0.4	0.4	NA	4,900 N	NA	NA	No	BSL
	78-93-3	2-Butanone	4 J	29.4	ug/kg	SB-201-SS	6/7	4 - 29.4	29.4	NA	2,700,000 N	NA	NA	No	BSL
	67-64-1	Acetone	39 L	210 J	ug/kg	SB-201-SS	8/9	39 - 210	210	NA	6,100,000 N	NA	NA	No	BSL
	75-15-0	Carbon Disulfide	1.7 J	3 J	ug/kg	SB-202-SS, SB-286-0102	6/11	1.7 - 3	3	NA	77,000 N	NA	NA	No	BSL
	74-87-3	Chloromethane	3 J	3 J	ug/kg	SB-284-0102	1/11	3 - 3	3	NA	11,000 N	NA	NA	No	BSL
	100-41-4	Ethylbenzene	0.31 J	1.5 J	ug/kg	SB-201-SS	2/11	0.31 - 1.5	1.5	NA	5,800 C	NA	NA	No	BSL
	75-09-2	Methylene Chloride	2.9 J	4.9 J	ug/kg	SB-202-SS	3/11	2.9 - 4.9	4.9	NA	35,000 N	NA	NA	No	BSL
	91-20-3	Naphthalene	2 J	180 J	ug/kg	SB-284-0102	4/11	2 - 180	180	NA	3,800 C	NA	NA	No	BSL
	104-51-8	N-Butylbenzene	0.9 J	0.9 J	ug/kg	SB-284-0102	1/11	0.9 - 0.9	0.9	NA	390,000 N	NA	NA	No	BSL
	75-65-0	Tertiary-Butyl Alcohol	5 J	7 J	ug/kg	SB-201-SS	2/5	5 - 7	7	NA	NA	NA	NA	No	NTX
	108-88-3	Toluene	7.8	13.3	ug/kg	SB-202-SS	3/11	7.8 - 13.3	13.3	NA	490,000 N	NA	NA	No	BSL
	79-01-6	Trichloroethene	2.9	4.8	ug/kg	SB-202-SS	3/11	2.9 - 4.8	4.8	NA	410 N	NA	NA	No	BSL
	Semivolatile Organic Compounds														
	65-85-0	Benzoic Acid	67.4 J	723 J	ug/kg	SB-201-SS	3/11	67.4 - 723	723	NA	25,000,000 N	NA	NA	No	BSL
	132-64-9	Dibenzofuran	27 J	27 J	ug/kg	SB-200-SS	1/11	27 - 27	27	NA	7,300 N	NA	NA	No	BSL
	84-74-2	di-n-Butyl Phthalate	31 J	31 J	ug/kg	SB-203-SS	1/11	31 - 31	31	NA	630,000 N	NA	NA	No	BSL
	Polynuclear Aromatic Hydrocarbons														
	90-12-0	1-Methylnaphthalene	10	210 J	ug/kg	SB-284-0102	2/14	10 - 210	210	NA	18,000 C	NA	NA	No	BSL
	91-57-6	2-Methylnaphthalene	11	180 J	ug/kg	SB-284-0102	2/14	11 - 180	180	NA	24,000 N	NA	NA	No	BSL
	83-32-9	Acenaphthene	5.7 J	130 J	ug/kg	SB-283-0102	5/27	5.7 - 130	130	NA	360,000 N	NA	NA	No	BSL
	120-12-7	Anthracene	3.9 J	283	ug/kg	SB-200-SS	9/27	3.9 - 283	283	NA	1,800,000 N	NA	NA	No	BSL
	--	**Bap Equivalent-Halfnd**	9	616	ug/kg	H-SB-611D-1	36/61	9 - 616.36	616	NA	**16 C**	NA	NA	**Yes**	ASL
	--	**Bap Equivalent-Pos**	9	616	ug/kg	H-SB-611D-1	36/61	9 - 616.36	616	NA	**16 C**	NA	NA	**Yes**	ASL
	56-55-3	**Benzo(a)anthracene**	8	372	ug/kg	SB-200-SS	25/41	8 - 372	372	NA	**160 C**	NA	NA	**Yes**	ASL
	50-32-8	**Benzo(a)pyrene**	7.7	440	ug/kg	H-SB-611D-1	39/68	7.7 - 440	440	NA	**16 C**	NA	NA	**Yes**	ASL
	205-99-2	**Benzo(b)fluoranthene**	8.9	390	ug/kg	H-SB-611D-1	25/41	8.9 - 390	390	NA	**160 C**	NA	NA	**Yes**	ASL
	191-24-2	Benzo(g,h,i)perylene	13	180 J	ug/kg	SB-283-0102	9/27	13 - 180	180	NA	180,000 N[7]	NA	NA	No	BSL
	207-08-9	Benzo(k)fluoranthene	4.2	284	ug/kg	SB-200-SS	24/41	4.2 - 284	284	NA	1,600 C	NA	NA	No	BSL
	218-01-9	Chrysene	3.8 J	420	ug/kg	SB-283-0102	26/41	3.8 - 420	420	NA	16,000 C	NA	NA	No	BSL
	53-70-3	**Dibenzo(a,h)anthracene**	12 J	81	ug/kg	H-SB-611D-1	4/41	12 - 81	81	NA	**16 C**	NA	NA	**Yes**	ASL
	206-44-0	Fluoranthene	4.3 J	840	ug/kg	SB-200-SS	14/27	4.3 - 840	840	NA	240,000 N	NA	NA	No	BSL
	86-73-7	Fluorene	7.9	180 J	ug/kg	SB-283-0102	6/27	7.9 - 180	180	NA	240,000 N	NA	NA	No	BSL
	193-39-5	**Indeno(1,2,3-cd)pyrene**	8.4	220	ug/kg	H-SB-611D-1	17/41	8.4 - 220	220	NA	**160 C**	NA	NA	**Yes**	ASL
	91-20-3	Naphthalene	5 J	239	ug/kg	SB-200-SS	4/27	5 - 239	239	NA	3,800 C	NA	NA	No	BSL
	85-01-8	Phenanthrene	5.2 J	1,020	ug/kg	SB-200-SS	13/27	5.2 - 1020	1020	NA	180,000 N[7]	NA	NA	No	BSL
	129-00-0	Pyrene	4.6 J	970	ug/kg	SB-283-0102	18/27	4.6 - 970	970	NA	180,000 N	NA	NA	No	BSL
	Metals														
	7440-36-0	Antimony	0.6	1	mg/kg	SB-201-SS, SB-203-SS	4/11	0.6 - 1	1	NA	3.1 N	NA	NA	No	BSL
	7440-38-2	**Arsenic**	0.4 J	6	mg/kg	SB-201-SS	6/11	0.4 - 6	6.1	NA	**0.68 C**	NA	NA	**Yes**	ASL
	7440-39-3	Barium	2.6 J	74	mg/kg	SB-201-SS	11/11	2.6 - 74	74	NA	1,500 N	NA	NA	No	BSL
	7440-41-7	Beryllium	0.23	1.4	mg/kg	SB-201-SS	9/11	0.23 - 1.4	1.4	NA	16 N	NA	NA	No	BSL
	7440-43-9	Cadmium	0.06	0.5	mg/kg	SB-201-SS	4/11	0.06 - 0.5	0.5	NA	7.1 N	NA	NA	No	BSL
	7440-47-3	Chromium	7.8	30.7	mg/kg	SB-286-0102	11/11	7.8 - 30.7	30.7	NA	12,000 N[8]	NA	NA	No	BSL
	7440-48-4	**Cobalt**	0.054 J	19.7	mg/kg	SB-201-SS	11/11	0.054 - 19.7	19.7	NA	**2.3 N**	NA	NA	**Yes**	ASL

TABLE D
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - DIRECT CONTACT WITH SURFACE SOIL - BLOCK H SOILS REMEDIATION
LOCKHEED MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	Range of Background Concentrations[4]	USEPA RSL - Residential Soil[5]	Potential ARAR/TBC	Potential ARAR/TBC Source	COPC Flag	Rationale for Contaminant Deletion or Selection[6]
Block H	**Metals (Continued)**							-							
	7440-50-8	Copper	1.1 J	13.6	mg/kg	SB-285-0102	11/11	1.1 - 13.6	13.6	NA	310 N	NA	NA	No	BSL
	7439-92-1	Lead	0.39 J	18	mg/kg	SB-201-SS	11/11	0.39 - 18	18	NA	400	NA	NA	No	BSL
	7439-97-6	Mercury	0.01	1.14 L	mg/kg	SB-201-SS	24/48	0.01 - 1.14	1.14	NA	2.3 N[9]	NA	NA	No	BSL
	7439-98-7	Molybdenum	0.13 J	0.55 K	mg/kg	SB-294-0001	7/11	0.13 - 0.55	0.55	NA	39 N	NA	NA	No	BSL
	7440-02-0	Nickel	0.21 J	15	mg/kg	SB-285-0102	11/11	0.21 - 15	15	NA	150 N	NA	NA	No	BSL
	7782-49-2	Selenium	2	2	mg/kg	SB-202-SS	1/11	2 - 2	2	NA	39 N	NA	NA	No	BSL
	7440-22-4	Silver	0.41 L	0.41 L	mg/kg	SB-293-0102	1/11	0.41 - 0.41	0.41	NA	39 N	NA	NA	No	BSL
	7440-62-2	Vanadium	13.1	37.9	mg/kg	SB-285-0102	11/11	13.1 - 37.9	37.9	NA	39 N	NA	NA	No	BSL
	7440-66-6	Zinc	1.3 J	45	mg/kg	SB-201-SS	11/11	1.3 - 45	45	NA	2,300 N	NA	NA	No	BSL

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - No background data are available.
5 - United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites (June 2015). Values correspond to a cancer risk level of 1E-06 or a hazard quotient (HQ) of 0.1.
6 - The chemical is selected as a COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
7 - Value is for pyrene.
8 - Value is for trivalent chromium.
9 - Value is for mercuric chloride (and other mercury salts).

Definitions:
ARAR/TBC = Applicable or Relevant and Appropriate Requirements To Be Considered
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
N = Noncarcinogen
NA = Not Applicable/Not Available
Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level
For elimination as a COPC:
BSL = Below COPC Screening Level NTX = No toxicity criteria

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC for the post-excavation soils dataset except that the ***post-soil excavation risk estimates do not include arsenic*** because the maximum detected arsenic concentrations is less than the background (12 mg/kg).

The chemicals highlighted in yellow are ***additional COPCs*** identified in the original 2012 risk assessment for the tax blocks soils as a whole (i.e., the COPC list for the 2012 risk assessment was not tax block specific; it selected COPCs across all of the tax blocks).
The post soils excavation risk assessment evaluated these chemicals as well as those shaded as described above so that the reader could compare post-soil excavation risk estimates to pre-soil excavation risk estimates and to verify that risk reduction has been achieved for site closure.
The pre- and post-soils excavation risk assessments also evaluated chromium assuming that the hexavalent chromium was present at 5 percent of the total chromium concentration.

H-SB-1356-1-2	H-SB-282RE-1	SB-472-0102	H-SB-602-1
H-SB-1356-SS	H-SB-282RE-2	SB-473-0102	H-SB-602-2
H-SB-1357-1-2	SB-282-0102	SB-474-0102	H-SB-603-1
H-SB-1357-SS	H-SB-282REB-1	SB-475-0102	H-SB-603-2
H-SB-1358-1-2	H-SB-282REC-1	SB-476-0102	H-SB-604A-1
H-SB-1358-SS	SB-283-0102	SB-477-0102	H-SB-604B-1
H-VS-A-1-1	SB-284-0102	SB-478-0102	H-SB-610B-1
H-VS-A-2-1	SB-285-0102	SB-479-0102	H-SB-610C-1
H-VS-A-2-1-D	SB-286-0102	SB-480-0102	H-SB-610D-1
H-VS-A-3-1	SB-293-0102	SB-481-0102	H-SB-611A-1
H-VS-A-4-1	SB-294-0001	SB-482-0102	H-SB-611D-1
H-VS-B-1-1	SB-462-0102	SB-483-0102	H-SB-814-SS
H-VS-B-2-1	SB-463-0102	SB-484-0102	H-SB-815-SS
H-VS-B-3-1	SB-464-0102	SB-485-0102	H-SB-816-SS
H-VS-B-4-1	SB-465-0102	SB-486-0102	H-SB-816-SS-D
SB-200-SS	SB-466-0102	SB-487-0102	H-SB-817-SS
H-SB-201RE-1	SB-467-0102	SB-488-0102	
H-SB-201RE-2	SB-468-0102	H-SB-600-1	
SB-201-SS	SB-469-0102	H-SB-600-2	
SB-202-SS	SB-470-0102	H-SB-601-1	
SB-203-SS	SB-471-0102	H-SB-601-2	

TABLE E

SUMMARY OF CANCER RISKS AND HAZARD INDICES - REASONABLE MAXIMUM EXPOSURES
BLOCK H SOILS REMEDIATION
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks $> 10^{-4}$	Chemicals with Cancer Risks $> 10^{-5}$ and $\leq 10^{-4}$	Chemicals with Cancer Risks $> 10^{-6}$ and $\leq 10^{-5}$	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Industrial Workers	Surface Soil	Incidental Ingestion	7E-07	--	--	--	0.02	--
		Dermal Contact	1E-06	--	--	--	0.01	--
		Inhalation	9E-09	--	--	--	0.0001	--
		Total	2E-06	--	--	--	0.03	--

ATTACHMENTS

Attachment A

Table 2-1

Summary of Residual Risk Analysis Results - Tax Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Location	BaPeq Concentration (µg/kg)	Industrial - Recommended for Removal	Comments
Surface Soil (See detailed Table B-1)			
SB-604D	46,000	X	Necessary to meet industrial preliminary remedial goals
SB-282A	24,000	X	Necessary to meet industrial preliminary remedial goals
SB-282D	21,000	X	Necessary to meet industrial preliminary remedial goals
Three of the 66 sampling locations (4.5 percent) and 3 of 72 samples (4.2 percent) recommended for removal for the industrial land use scenario. The desired remedial goal for the BaPeqs is 2.9 mg/kg for industrial exposures. The residual site 95% UCL would be 0.136 mg/kg.			
Samples located near samples identified for removal to meet cleanup goals for Industrial workers.			
SB-282	170	X	Added due to proximity of SB-282A and SB-282D
Subsurface Soil (See detailed Table B-2)			
No samples need to be removed to achieve industrial preliminary remedial goals			

Only sampling locations located in the vadose zone are included in the tables. Depth to groundwater is 7 feet at Block H.

Attachment B

Human Health Risk Assessment for Blocks D, E, F, G, and H Soils Lockheed Martin Middle River Complex 2323 Eastern Boulevard Middle River, Maryland

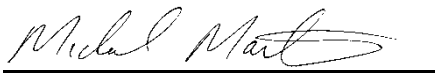
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Table 6-3 Preliminary Remediation Goals - Block F 6-9

Table 6-4 Preliminary Remediation Goals - Block G 6-12

Table 6-5 Preliminary Remediation Goals - Block H 6-14

ACRONYMS

ACM	asbestos-containing material
ADAF	age-dependent adjustment factor
AST	above-ground storage tank
ASTDR	(federal) Agency for Toxic Substances and Disease Registry
ASTM	American Society for Testing and Materials
ATC	anticipated typical concentration
BaPEq	benzo(a)pyrene equivalent
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and total xylenes
Cal/EPA	California Environmental Protection Agency
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	chemicals of concern
COPC	chemicals of potential concern
CSM	conceptual site-model
CTE	central-tendency exposure
DAF	dilution-attenuation factor
DPT	direct-push technology
DRO	diesel-range organics
Eh	redox potential relative to the Standard Hydrogen Electrode
EM	electromagnetic
EPA	U. S. Environmental Protection Agency
EPC	exposure-point concentration
EPH	extractable petroleum hydrocarbons
ESA	environmental site assessment
EU	exposure unit
FAQ	frequently asked question
Fl/PY	fluoranthene/pyrene
FS	feasibility study
GPR	ground-penetrating radar
GPS	global positioning system
GRO	gasoline-range organics
HASP	health and safety plan

HEAST	*Health Effects Assessment Summary Tables*
HHRA	human health risk assessment
HI	hazard index
HQ	hazard quotient
IEUBK	integrated exposure-uptake biokinetic
ILCR	incremental lifetime-cancer risk
IUR	inhalation-unit risk
Lockheed Martin	Lockheed Martin Corporation
MADEP	Massachusetts Department of Environmental Protection
MCL	maximum contaminant level
MDE	Maryland Department of the Environment
µg/dL	microgram(s) per deciliter
mg/kg	milligram(s) per kilogram
MRAS	Middle River Aircraft Systems
MRC	Middle River Complex
MRL	Minimal Risk Level
MS2	Mission Systems & Sensors
MSA	Martin State Airport
NPDES	National Pollutant Discharge Elimination System
OPPTS	Office of Prevention, Pesticides, and Toxic Substances
ORNL	Oak Ridge National Laboratory
OSWER	Office of Solid Waste and Emergency Response
PAHs	polycyclic aromatic-hydrocarbons
PCBs	polychlorinated biphenyls
PCE	tetrachloroethene
PEF	particulate emissions factor
pH	a measure of hydrogen ion concentration
PP	polypropylene
PPRTV	Provisional Peer Reviewed Toxicity Value
PRG	preliminary remediation goal
RAGS	(USEPA) *Risk Assessment Guidance for Superfund*
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RfC	reference concentration
RfD	reference dose
RGO	Remedial goal option
RME	reasonable maximum exposure

RSL	regional screening-level
SB	surface soil
SS	subsurface soil
SDWA	Safe Drinking Water Act
SQL	sample quantitation-limit
SSL	soil-screening level
STP	sewage treatment plant
SVOC	semivolatile organic compound
TCE	trichloroethene
TEC	threshold-effects concentrations
TEF	toxicity-equivalence factor
Tetra Tech	Tetra Tech, Inc.
TRW	Technical Review Workgroup
UCL	upper confidence-limit
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VOC	volatile organic compounds
VPH	volatile petroleum hydrocarbons

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Executive Summary

On behalf of Lockheed Martin Corporation, Tetra Tech, Inc. has prepared this human health risk assessment of detected concentrations of chemicals in soil at a number of tax blocks (specifically, Blocks D, E, F, G, and H) at Lockheed Martin's Middle River Complex in Middle River, Maryland. This human health risk assessment is an update to the risk evaluations in the May 2006 *Site Characterization Report* (Tetra Tech, 2006b) and is based on the environmental data presented therein as well as on the significant volume of data collected during the 2007, 2009, and 2010 investigations to further characterize the nature and extent of impacts to soil in these tax blocks. The objective of this report is to determine if the detected chemical concentrations in soil pose a significant threat to potential human receptors under current and/or future land uses. Potential risks to human receptors are estimated on the assumption that no actions will be taken to control contaminant releases.

Primary guidance sources used to prepare this report include the Maryland Department of the Environment *Cleanup Standards for Soil and Groundwater* (State of Maryland, 2008) and *Voluntary Cleanup Program Guidance* (State of Maryland, 2006). Current guidance and reports published by U.S. Environmental Protection Agency and U.S. Environmental Protection Agency Region 3 were also considered in preparing the human health risk assessment. Risk estimates provided herein are based on analytical data collected during the following environmental investigations:

- Phase II site investigation (fall/winter 2003)
- site-wide Phase II investigation (2004)
- Phase II soil investigation (summer 2005)
- additional soil characterization (fall 2007)
- supplemental soil and storm-drain-sediment characterization (Block E fall 2008)
- final soil delineation (Blocks D, F, G, and H fall 2009)
- data gap investigation (fall 2010)

Current and potential/hypothetical future land uses suggest the following potential receptors could be exposed to impacted soils at the Middle River Complex:

- construction workers
- industrial workers
- commercial land-use receptors
- child, adolescent, and adult recreational users
- future child, adolescent, and adult residents

Consequently, cancer and non-cancer risk estimates were calculated for these receptors using reasonable maximum exposure assumptions and assuming that human exposure may occur via incidental ingestion, dermal contact, and inhalation exposure routes.

Cancer risk estimates are presented in terms of incremental lifetime-cancer risks; the non-cancer risks are presented in terms of hazard indices. The cancer and non-cancer risk estimates were interpreted using the Maryland Department of the Environment cancer risk benchmark (1×10^{-5} [i.e., a one-in-100,000 probability of developing cancer]) for cumulative risk and the U.S. Environmental Protection Agency's target cancer risk range (1×10^{-4} to 1×10^{-6}); hazard indices are evaluated using a value of 1.0 (adverse non-cancer health effects are not anticipated when the estimated hazard index is equal to or less than 1). As shown on Table ES-1, the following chemicals of concern were identified for surface and subsurface soils in each of the tax blocks based on a comparison of the cancer and non-cancer risk estimates to the Maryland Department of the Environment risk benchmarks.

The chemicals of concern listed in Table ES-1 will be further evaluated in the response action plans being prepared for the tax block soils. Additionally, although a refined evaluation conducted for diesel range organics and gasoline range organics did not indicate that they are major contributors to risk, detected diesel range organics concentrations at two locations in Block E soil exceed a risk-based concentration calculated for the industrial worker. Therefore, diesel range organics are also retained as chemicals of concern for Block E soil.

Table ES-1

Summary of Chemicals of Concern Identified for Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Tax block	Acreage	Do risk estimates for current/future construction workers exceed risk benchmarks? (chemicals of concern[1])	Do risk estimates for hypothetical future full-time industrial workers exceed risk benchmarks? (chemicals of concern[1])	Do risk estimates for current/future commercial receptors exceed risk benchmarks? (chemicals of concern[1])	Do risk estimates for current/future recreational users exceed risk benchmarks? (chemicals of concern[1])	Do risk estimates for hypothetical future resident exceed risk benchmarks? (chemicals of concern[1])	Recommendation
Block D	12.76	No	No	Yes (BaPEq, As[2], CrVI[3])	Yes (BaPEq, As[2], CrVI[3])	Yes (BaPEq, As[2], CrVI[3])	MDE response action plan
Block E	15.97	Yes (PCBs)	Yes (PCBs, BaPEq, 124-TCB, 123-TCB, 14-DCB, DRO[5])	Yes (PCBs, BaPEq, As[2], 124-TCB, CrVI[3])	Yes (PCBs, BaPEq, As[2], 123-TCB, 124-TCB, CrVI[3])	Yes (PCBs, BaPEq, As[2], 123-TCB, 124-TCB, CrVI[3], 14-DCB)	MDE response action plan
Block F	11.94	No	Yes (BaPEq, Nap)	Yes (BaPEq, As[2], CrVI[3])	Yes (BaPEq, As[2], CrVI[3], Nap)	Yes (BaPEq, As[2], CrVI[3], Nap)	MDE response action plan
Block G	13.46	No	Yes (BaPEq, As)	Yes (BaPEq, As[2], CrVI[3])	Yes (BaPEq, As[2], CrVI[3])	Yes (BaPEq, As, CrVI[3], Co[4])	MDE response action plan
Block H	7.88	No	Yes (BaPEq)	Yes (BaPEq, As[2], CrVI[3])	Yes (BaPEq, As[2], CrVI[3])	Yes (BaPEq, As[2], CrVI[3])	MDE response action plan

[1] BaPEq (benzo(a)pyrene equivalents); arsenic (As); hexavalent chromium (CrVI); diesel range organics (DRO); polychlorinated biphenyls (PCBs); 1,2,3-trichlorobenzene (123-TCB); 1,2,4-trichlorobenzene (124-TCB); 1,4-dichlorobenzene (14-DCB); naphthalene (Nap); cobalt (Co).

[2] Arsenic concentrations likely represent background concentrations.

[3] The limited amount of available hexavalent chromium data for the tax block soils suggests that low concentrations only (typically less than 1 mg/kg) are present. Reported concentrations do not exceed U.S. Environmental Protection Agency (USEPA) regional screening-level (RSL) for the industrial worker. Reported concentrations for by far most soil samples are also less than the USEPA RSL for the hypothetical future resident if the USEPA RSL were to be set at the 1×10^{-5} cancer risk level.

[4] Isolated elevated detections only.

[5] DRO was selected as a COC for Block E based on an additional evaluation.

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Section 1
Introduction

On behalf of Lockheed Martin Corporation (Lockheed Martin), Tetra Tech, Inc. (Tetra Tech) has prepared this human health risk assessment (HHRA) of detected concentrations of chemicals in soil at a number of tax blocks (specifically, Blocks D, E, F, G, and H) at Lockheed Martin Corporation's Middle River Complex (MRC), Middle River, Maryland (see Figure 2-1). The human health risk assessment is an update to the risk evaluations presented in the May 2006 *Site Characterization Report* (Tetra Tech, 2006b) and is based on the environmental data presented therein as well as on data collected during the 2007, 2009, and 2010 investigations to further characterize the nature and extent of soil impacts in the tax blocks. The objective of this report is to determine if the chemical concentrations detected in soil pose a significant threat to potential human receptors under current and/or future land uses. Potential risks to human receptors are estimated on the assumption that no actions will be taken to control contaminant releases.

This report is organized as follows:

Section 1—Introduction: Presents the objective of the human health risk assessment and the report organization

Section 2—Site Overview: Briefly describes the facility, its history, and physical conditions, including each tax block. It also identifies recognized environmental conditions (RECs) in each tax block and briefly summarizes the environmental investigations to determine the nature and extent of soil contamination in the tax blocks.

Section 3—Human Health Risk Assessment General Methodology: Presents the approach and protocols used in the human health risk assessment for soil, including identification of chemicals of potential concern (COPC) in soils, exposure assessment, toxicity assessment, and characterization of risk and uncertainty. A "global" set of chemicals of potential concern for soils in the tax blocks is also presented. These chemicals of potential concern are evaluated quantitatively in the human health risk assessment.

Section 4—Risk Characterization Results: Provides the risk characterization results, recommendations, and conclusions for each tax block. Chemicals of concern (COC) for soil are identified in each tax block based on the risk characterization results. These chemicals of

concern are then recommended for further evaluation in the feasibility study (FS) that will be prepared for the tax block soil.

Section 5—Uncertainty Analysis: Presents the uncertainty analysis component of the human health risk assessment, including a summary of uncertainties inherent in the risk assessment and a discussion of how they may affect the quantitative risk estimates and conclusions of the risk analysis.

Section 6—Remedial Goal Options: Presents remedial goal options (also often referred to as preliminary remediation goals [PRGs]) for the chemicals of concern.

Appendix A provides data summary tables for each tax block. Appendix B presents historical aerial photographs from 1938–2005. Appendix C presents Maryland background data for arsenic. Appendix D provides all of the detailed human health risk assessment tables, spreadsheets, and figures. Appendix E provides the location-by-location risk characterization results tables and associated maps for each tax block.

Section 2
Site Background

2.1 SITE DESCRIPTION

The Middle River Complex (MRC), part of the Chesapeake Industrial Park, is at 2323 Eastern Boulevard in Middle River, Maryland, approximately 11.5 miles northeast of downtown Baltimore. The MRC covers approximately 180 acres and consists of 12 main buildings. The property includes an active industrial area and yard, perimeter parking lots, an athletic field, a vacant concrete lot, a trailer and parts storage lot, and numerous grassy green spaces along the perimeter. Locked chain-link fences surround all exterior lots and the main industrial area. The MRC is bounded by Eastern Boulevard (Route 150) to the north, Dark Head Cove to the south, Cow Pen Creek to the west, and Martin State Airport (MSA) to the east. The location of the MRC is shown in Figure 2-1.

Lockheed Martin Corporation (Lockheed Martin) activities at the site are primarily facility and building management and maintenance. The main tenant at the site, Middle River Aircraft Systems (MRAS), a subsidiary of General Electric Company, designs, manufactures, fabricates, tests, overhauls, repairs, and maintains aeronautical structures, parts, and components for military and commercial applications. Lockheed Martin Mission Systems & Sensors—Littoral Ships & Systems (a Lockheed Martin business segment) conducts engineering activities, and fabricates, assembles, tests, and otherwise supports vertical-launch systems). A subsidiary of Lockheed Martin, Applied NanoStructured Solutions LLC, also occupies a portion of MRC, engaging in research and design of nanotechnology applications. Historically, the property has been used for aircraft and missile-launching systems design, development, and sales.

2.2 LAND USE

The MRC is an industrial facility within the broader Chesapeake Industrial Park. The area surrounding the property primarily consists of commercial, industrial, and residential establishments. Six other facilities, comprising the remainder of the Chesapeake Industrial Park,

lie adjacent to the MRC. These include Tilley Chemical Company, Inc. (a distributor of food- and pharmaceutical-chemicals for the personal care and other industries), North American Electric (an industrial and commercial electrical contractor), Johnson and Towers (a heavy-duty diesel equipment, truck, and boat repair and maintenance company), ACE Logistics (a warehouse, packaging, and shipping provider), Poly-Seal Corp. (a producer of flexible packaging for various items), Exxon (a gasoline filling station and convenience store), and the Middle River Post Office. Residential developments lie on the opposite shores of Cow Pen Creek, Dark Head Cove, and Dark Head Creek, as well as north of Eastern Boulevard (Route 150). The MRC is comprised of several tax blocks. Figure 2-2 presents the MRC tax block layout.

2.2.1 Block D

Block D, consisting of 12.76 acres, is in the southeastern portion of the MRC. Block D is bounded to the north by Dark Head Cove Road and Johnson and Towers, to the east by Wilson Point Road, MSA, and Dark Head Cove, and to the west by Former Building D (now known as Block E). Block D (along with the adjacent portion of Block F) comprises Recognized Environmental Condition (REC) #6. Limited information in the Phase I environmental site assessment (ESA), MRC records and historical aerial photographs suggests that a portion of Parking Lot No. 6 and the waterfront was backfilled between 1938 and 1949, raising the topography to its current elevations and extending the MRC's property to its current layout. During filling, a steel bulkhead was constructed and a 100-foot-wide swath of the cove along the bulkhead was proposed for dredging. Dredging was completed as planned to lower the bottom of Dark Head Cove near the shoreline to eight feet below sea level. Dredging and filling facilitated use of the creek as an anchor basin. After the shoreline was reconstructed, Parking Lot No. 6 was paved with asphalt.

No structures are known to have ever stood on this asphalt parking lot, which is today surrounded on all sides by a chain-link fence. Locked gates stand along Dark Head Cove Road, Chesapeake Park Plaza, and the Block F Waterfront Lot. Access is restricted to authorized personnel. The pavement is in poor condition, with widespread cracking and visible subsoil.

2.2.2 Block E

Block E (comprised of Block E and E Lot 3) consists of 15.97 acres in the southern portion of the MRC. Block E is bounded on the north by the industrial portion of the MRC (Block I), to the east by Parking Lot No. 6 (Block D), to the south by the Waterfront Lot (Block F), and to the west by the Tilley Chemical Company. Block E consists of the three RECs: Former Building D (REC #1), Product Pipeline (REC #2), and the Former 500,000-gallon above-ground storage tank (AST) and associated tanks (REC #3).

Former Building D (REC #1) encompasses approximately half of the Block E area. Although Building D was demolished in the early 1970s, the building's foundation and ground floor slab remain. The floor slab consists of concrete slabs with ceramic tiles overlaying the concrete in several locations, with construction or expansion joints and associated cracking between the slabs.

The Product Pipeline (REC #2) is a 1,815-foot long, 2-inch-diameter pipe running underground from the former 500,000–gallon fuel oil AST (REC #3) to the MRC's Power Plant (in Block I). The pipeline once supplied fuel oil to the Power House. It coincides with a drainage ditch running along the western and southern boundary of Block E. A small portion of the pipeline has been removed, but most of the run was abandoned in place.

The former 500,000-gallon AST and associated tanks (REC #3) were in a grassy shoulder in the southwestern portion of Block E near the Fire Pump Building. The 500,000-gallon AST was surrounded by a shallow, grassy, earthen berm. A large water tower and Fire Pump Building were adjacent to the AST. Block E is bounded on all four sides by a chain-link fence. Several unlocked interior gates stand in the northeastern corner of the unit, allowing MRC employees unrestricted access from the active industrial portion of the MRC.

2.2.3 Block F

Block F, consisting of 11.94 acres, is in the southern portion of the MRC. It is bounded to the north by the Former Building D (Block E), the Tilley Chemical Company, and North American Electric, to the east by Parking Lot No. 6 (Block D) and Dark Head Cove, to the south by Dark Head Cove, and to the west by Cow Pen Creek. Block F consists of RECs #4, #5, #6, and #13. The Boat Launch Area (REC #4) and the Former Aviation Fuel underground storage tanks (USTs) (REC #5) are primarily covered by a concrete tarmac that defines the boundary of

REC #4. The seven USTs comprising REC #5 lie under the north-central portion of the concrete tarmac. No other structures are on the site. A chain-link fence runs along the northern edge of REC #4, along Chesapeake Park Plaza, prohibiting unauthorized access to these two RECs. Access for vehicles and personnel is through a locked gate in the fence.

The concrete tarmac is composed of smaller concrete slabs in relatively good condition, with some minor cracking and potholes developing in a few locations. Grass and soil were observed in many of the slab joints. A grassy strip of land is along the southeastern edge of REC #4, separating the southeastern portion of the tarmac from a steel bulkhead along Dark Head Cove.

The Waterfront Lot portion of Block F comprises only a portion of REC #6. Parking Lot No. 6 (Block D) is also part of REC #6. Historical information obtained during the Phase I ESA suggests that the area was backfilled to raise its elevation, to facilitate construction of a bulkhead along the waterfront of Dark Head Cove. The Waterfront Lot is a well-manicured, grassy strip of land between Chesapeake Park Plaza and Dark Head Cove. It has several trees and the grass appears in good condition. A steel bulkhead bounds the unit along most of its border with Dark Head Cove.

The Former Boat Dock Area (REC #13) is an open, relatively flat, grassy parcel of land. A chain-link fence runs along Chesapeake Park Plaza, limiting unauthorized access. Neither the boundary with North American Electric nor with the Boat Launch Area (REC #4) is fenced. Vehicle and personnel access is through a locked gate along Chesapeake Park Plaza at REC #4.

The Former Boat Dock Area (REC #13) is covered with a well-maintained grass lawn, with shrubs and trees growing thickly along the Cow Pen Creek shoreline. The REC has several trees. Although no structures are currently on the site, the severely degraded remnants of several walkways, parking areas, and a few foundations are still evident.

2.2.4 Block G

Block G consists of 13.46 acres in the southwestern portion of the MRC on the southern side of Chesapeake Park Plaza. It is bounded on the north by Parking Lot No. 2 (Block H), to the east by Chesapeake Park Plaza, to the south by North American Electric, Inc., and to the west by Cow Pen Creek. Block G has two RECs identified during a historical research investigation: REC #11 (Former Sewage Treatment Plant [STP]/Wind-Tunnel Test Building/Vibration-Test Building) and

REC #12 (the southern portion of Parking Lot No. 3). The remaining portion of Parking Lot No. 3 is also included in Block G. Figure 2-2 shows the locations of the RECs and all tax blocks at the MRC.

A former STP that consisted of five structures and two USTs (the Wind-Tunnel Test Building, the Vibration-Test Building, two fuel oil USTs immediately west of the test buildings, an unidentified structure near the STP, and the Hydraulic and Fuel-Test Building) occupied the area now defined as REC #11. Except for storm-drain Outfall V and the foundations of the former test buildings, no structures now stand on REC #11. The foundations of the former STP have mostly been removed, but the footprint of the former STP is still evident in a 1986 aerial photograph, judging from variations in grass color. REC #11 is currently an open, grassy area between Chesapeake Park Plaza and Cow Pen Creek with some remnants of building slab foundations. A chain-link fence along the REC's northern and eastern perimeter prohibits unauthorized access; however, the REC is unfenced along its southern perimeter, which is shared with North American Electric, Inc. A locked gate along Chesapeake Park Plaza provides vehicle access.

Parking Lot No. 3 is a flat parcel of land currently leased for truck-trailer storage. A chain-link fence surrounding the parking lot on all sides prohibits unauthorized access. A locked gate off of Chesapeake Park Plaza allows access to the southern portion of the parking lot.

2.2.5 Block H

Block H, consisting of 7.88 acres, is in the northwestern portion of the MRC. Block H is bounded to the north by Eastern Boulevard (Route 150), to the east by the industrial portion of the MRC (Block I), to the south by Parking Lot No. 3 (Block G), and to the west by Cow Pen Creek. Block H consists of Parking Lot No. 2, which has been used primarily as an employee parking lot. The parking lot is paved with asphalt and a grassy strip of land lies between the paved portion of the block and Cow Pen Creek. Access to the parking lot is from Chesapeake Park Plaza. Historical aerial photographs indicate that Parking Lot No. 2 was constructed before 1954. It remains in use today for employee parking. No structures are known to have ever stood on this asphalt parking area.

2.3 PHYSICAL SETTING

2.3.1 Physiography

The site lies within the Western Shore of the Coastal Plain Physiographic Province. Coastal Plain topography is generally characterized by low relief. The MRC's topography slopes gently, ranging from sea level to approximately 32-feet above mean sea level. The topography slopes from Eastern Boulevard to the southwest and south toward Cow Pen Creek and Dark Head Cove.

2.3.2 Hydrology

The MRC lies at the junction of Cow Pen Creek and Dark Head Cove. Both are tidal surface water bodies that feed into Dark Head Creek, a tributary to Middle River, which is a tributary to Chesapeake Bay. The facility lies approximately 3.2 miles upstream of Chesapeake Bay. No surface water bodies lie within or cross the MRC.

MRC maintains a State of Maryland National Pollutant Discharge Elimination System (NPDES) permit (state discharge permit No.: 00-DP-0298, NPDES permit No.: MD0002852) issued by Maryland Department of the Environment (MDE) Industrial Discharge Permits Division, Water Management Administration (Earth Tech, 2003). MRAS generates sanitary and process wastewater and is categorized as an "Industrial User." The facility pre-treats and discharges its wastewater under the "Industrial-User Discharge Permit" (permit No.: WWDP#1390) issued to MRAS by the Baltimore County Department of Public Works, Bureau of Utilities (Earth Tech, 2003). The permit authorizes the facility to discharge its processed and sanitary wastewater from seven permitted discharge points (i.e., outfalls).

2.3.3 Soils

Soils underlying the MRC have been mapped by the United States Department of Agriculture (USDA) Soil Conservation Service as Mattapex-Urban Land Complex and Sassafras-Urban Land Complex. Mattapex-Urban Land soils consist of deep, well-drained, silty soils, the original texture of which has been disturbed, graded over, or otherwise altered before construction. Sassafras-Urban Land soils consist of deep, well-drained, sandy soils, the original texture of which has been disturbed, graded over, or otherwise altered before construction (USDA, 1993). MRC site assessments, however, indicate that a high percentage of these soils contain a very high clay and silt content, with poor surface drainage.

2.3.4 Geology

Geologic maps of Baltimore County show that the MRC is underlain by the Potomac Group, a Cretaceous-age interbedded gravel, sand, silt, and clay unit ranging in thickness from 0–800 feet. The Potomac Group is composed of three units: the Raritan and Patapsco Formations, the Arundel Clay, and the Patuxent Formation. The Raritan and Patapsco Formations range up to 400 feet thick and are composed of a gray, brown, and red variegated silt and clay unit with lenticular lenses of sand and few gravels. The Arundel Clay is composed of dark gray and maroon lignitic-clays ranging from 25–200 feet thick. The Patuxent Formation is described as a white or light-gray to orange-brown, moderately sorted sand unit with quartz gravels, silts, and clays ranging up to 250 feet thick (Reinhardt, 1977).

The geologic map of the Middle River-quadrangle maps the entire survey area as either the clay or sand facies of the Patapsco Formation. The sands are more concentrated on the peninsulas east of MSA and in areas north of Eastern Boulevard, whereas all of the peninsulas (except for the Wilson Point Road area) west of the airport are mapped as belonging to the clay facies. The Arundel Clay is mapped as outcropping northwest of the MRC facility (Reinhardt, 1977).

Lithologic logging of soils beneath the MRC (conducted during extensive site characterization) has identified a very heterogeneous substrate. The underlying soils are composed primarily of silty sands, fine-grained to medium-grained sands, silty clays, clayey silts, and plastic clay, with the primary lithology being clay to silty clay. Sand lenses were encountered but in general do not appear to be continuous beneath the facility. Shallow groundwater tends to flow in the more sandy lenses toward the surface water bodies, and the water table is generally a subdued representation of the surface topography.

2.4 PREVIOUS INVESTIGATIONS

Investigations associated with the MRC have been conducted since 2003 and include UST closures and abandonments, soil excavations, Phase I ESAs, and Phase II investigations.

2.4.1 Phase I Environmental Assessment (2003)

A Phase I ESA of the MRC was conducted in accordance with American Society for Testing and Materials (ASTM) standard E 1527 in February 2003. The Phase I ESA consisted of a historical

review of the facility (i.e., a review of facility documents, aerial photographs, and city directories), a review of federal, state, and local agency databases, interviews with site personnel, and a site visit. The Phase I ESA identified 13 specific RECs associated with the MRC. In addition to the 13 RECs, the Phase I ESA also recommended further investigation into the facility's historical site activities to identify other potential environmental concerns at the facility and creation of an operation and maintenance plan to address asbestos-containing materials (ACMs) and lead paint (Earth Tech, 2003).

2.4.2 Phase II Investigation (Fall/Winter 2003)

A Phase II investigation consisting of soil and groundwater sampling and a geophysical survey was conducted on seven of the 13 RECs identified in the Phase I ESA. The fall 2003 Phase II investigation sought to determine and evaluate environmental baseline conditions for the entire MRC. Geophysical surveys were conducted to find evidence of buried USTs, utilities, or metallic debris in the subsurface underlying the RECs.

The Phase II investigation determined baseline conditions by identifying and evaluating potential contaminants in the underlying environmental media. Six of the seven RECs investigated are in the southern portion of the MRC. The RECs investigated include Former Building D (REC #1), the Product Pipeline (REC #2), the former 500,000-gallon AST and associated tanks (REC #3), the Boat Launch Area (REC #4), seven former aviation fuel USTs (REC #5), and potential fill areas along the waterfront lot and Parking Lot No. 6 (REC #6). REC #7 consists of the five existing on-site groundwater-monitoring wells.

Thirty-two soil borings were completed on the exterior areas using direct-push technology (DPT). The completed soil borings were either adjacent to known contaminant-source areas (RECs #2, #3, and #5) or spaced throughout a REC if the potential source(s) were unknown or multiple sources were suspected (RECs #1, #4, and #6). Subsurface soil samples were collected in 30 of 32 borings, primarily from the 5–10 foot below ground surface (bgs) soil intervals. Groundwater grab samples were collected from 23 groundwater sampling points installed using a DPT hydro-punch sampler. One background soil boring, designated SB-34, was completed adjacent to the facility's athletic field, an area that, based on available historical aerial photographs, was used solely for recreational activities since the facility's construction in the late

1930s. All five existing monitoring wells, installed previously at several UST areas, were purged and sampled using low-flow techniques.

The soil and groundwater samples collected were submitted for targeted analyses if the source was known (e.g., UST and pipeline) or for a full suite of analyses if multiple sources were suspected or no information about possible contaminants was known. Full-suite analyses consisted of analysis for gasoline-range organics (GRO), diesel-range-organics-extended (DRO-extended), volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and priority-pollutant metals. Analytical results identified inorganic and organic compounds (in soil and groundwater obtained from all seven RECs) at concentrations above screening levels that were appropriate for use in 2003. Sampling locations are shown in Figures 2-3 through 2-9. Data relevant to the human health risk assessment (HHRA) that were collected during the 2003 investigation are in Appendix A.

As part of the Phase II investigation, a reconnaissance-level electromagnetic (EM) survey of REC #6 (Waterfront Lot/Parking Lot No. 6) evaluated whether waste disposal, buried drums, or other metallic debris were in the fill material. Portions of the site were further delineated wherever the survey indicated an anomaly. Nine anomalies were identified throughout the survey area.

Ground-penetrating radar (GPR) scanning results found eight of these anomalies, which are associated with utilities (primarily storm drains). GPR imaging of the remaining anomaly, designated Anomaly 6, did not identify a definitive source and was not considered consistent with any known possible subsurface metallic objects or utilities. Anomaly 6, approximately 300 feet long by 40 feet wide, is near the center of Parking Lot No. 6 and runs mostly northwest to southeast in a linear trend. The results of the geophysical survey are presented in the *Site Characterization Report* (Tetra Tech, 2006b). Evaluation of these data compelled further investigation at all seven RECs to characterize exceedances of inorganic and organic constituents and address identified data gaps.

2.4.3 Historical Survey (2004)

Tetra Tech conducted a historical investigation of the MRC in the summer of 2004 to address the lack of historical information that had been identified in the Phase I ESA (Earth Tech, February 2003). The historical survey reviewed MRC maps (e.g., as-builts,

construction plans, and plot maps), interviewed Lockheed Martin and tenant personnel, and documented site visits. The investigation identified 18 additional RECs along the facility perimeter, in the active industrial yard, and in Buildings A, B, and C (Block I). The additional RECs include a former STP, an incinerator, several plating shops, a possible historical debris storage lot, abandoned USTs, and areas associated with several environmental investigations (e.g., an area of lead removal at the Die Storage Unit and an area of elevated chromium concentrations in groundwater adjacent to Building A) (Tetra Tech, 2004). Figure 2-2 shows all of the RECs. Appendix B presents historical aerial photographs taken from 1938-2005.

2.4.4 Site-Wide Phase II Investigation (2004)

The site-wide Phase II investigation further investigated environmental concerns, including analytical results, identified at RECs investigated during the 2003 Phase II investigation and the historical research survey, and also sought to address possible data gaps (Tetra Tech, 2004). All 31 RECs were investigated during the 2004 site-wide Phase II investigation, including geophysical surveys of five areas, a soil- and groundwater-sampling program, and radiological surficial-media sampling at REC #1. A reconnaissance-level EM survey of REC #7 (Existing Monitoring Wells—MW-5 location), REC #8 (Abandoned 25,000-Gallon Fuel-Oil UST), RECs #9 and #28 (Former 2,000-Gallon Waste-Oil UST), REC #11 (Former STP/Wind-Tunnel Test Building/Vibration-Test Building), and REC #14 (Building A Northwest-Corner Pump Island) was conducted. The geophysical surveys looked for evidence of buried USTs, utilities, or metallic debris in the subsurface underlying the five RECs. Results of the survey were used to place final sampling locations.

One-hundred twenty-three soil borings were carried out in the exterior portions of the facility, using a DPT drill rig. Thirteen of the 123 borings were completed to a maximum depth of 4 feet bgs to collect and lithologically characterize surface soil samples. The remaining 110 borings were completed to the top of the local water-bearing zone. Boring depths range from 15–40 feet bgs unless groundwater was encountered. Refusal of several borings was encountered due to reinforced concrete pavement, concrete rubble in the subsurface soil, and unknown obstructions.

Geophysical survey results from RECs #8 and #11 led to inclusion of an additional 18 soil borings (eight soil borings for REC #8 and #10 for REC #11) to the investigation. The additional soil borings were specifically located to investigate soil and groundwater quality in the

immediate vicinity of the identified anomalies. Strict sample handling procedures were followed throughout the investigation. Upon collection, samples were collected in appropriate laboratory-certified-clean sample containers supplied by the labs. Proper custody procedures were followed throughout all phases of sample collection and handling. A completed chain-of-custody form accompanied each shipment of samples to the laboratory to ensure accountability for the samples from the time of collection to the time they were analyzed.

Analyses were performed on a REC-specific basis. Target analyses for benzene, toluene, ethylbenzene, and total xylene (BTEX) compounds, naphthalene, GRO, DRO, VOCs, hexavalent chromium, PCBs, pesticides, priority-pollutant metals, and gamma spectroscopy were conducted in suspected source areas. Emergent chemicals of concern, including perchlorate and hexavalent chromium, were also analyzed. Sampling locations are shown in Figures 2-3 through 2-9. Data relevant to the HHRA that were collected during the 2004 investigation are in Appendix A.

2.4.5 Phase II Soil Investigation (Summer 2005)

The Phase II soil investigation continued in the summer of 2005 to provide both a baseline characterization of areas without identified RECs (primarily Blocks A, B, and H) as well as data to further delineate possible contaminants that had been identified in specific RECs during previous investigations. Thirty soil borings were completed in areas with no identified RECs (SB-194 through SB-223) in the upper 10 feet of soil (at 0–1 feet, -5, and -10 foot bgs). Forty-five soil borings were completed to provide additional characterization at seven previously investigated RECs (RECs #1, #4, #6, #11, #12, #13, and #26). In addition to the borings referenced above, another issue was identified during the 2004 investigation that necessitated additional characterization. One background sample (SB-34A-SS), collected from the baseball field in Block B, had a reported lead concentration of 370 milligrams per kilogram (mg/kg). Although the reported concentration was below the appropriate 2005 screening level, the concentration was sufficiently elevated to warrant further investigation. Consequently, eight surface soil samples (designated SB-224-SS through SB-231-SS) were collected from 0–1 foot below grade around the previous sampling location and across the ball field to ensure that lead and other elevated metals were not a problem in this area.

Soil borings were completed using DPT or a stainless-steel hand auger (if required). After lithologic logging and field screening, soil from the designated sampling intervals was collected

and immediately placed in appropriate sample containers. The collected sample jars were labeled and placed on ice pending delivery to the analytical laboratory. All samples were analyzed for VOCs, SVOCs, total priority-pollutant metals, PCBs, BTEX-N, GRO, DRO-extended, mercury speciation (if elevated concentrations of mercury were detected), and hexavalent chromium. Sampling locations are shown in Figures 2-3 through 2-9. Data relevant to the HHRA that were collected during the summer 2005 investigation are in Appendix A.

2.4.6 Geophysical Survey/Soil Investigation (Fall 2005)

A geophysical survey and subsequent sampling provided more certainty regarding environmental conditions of areas associated with the MRC having no known or suspected contamination due to storage, management, or disposal of hazardous constituents. The fall 2005 investigation was designed to identify and characterize any anomalous geophysical responses not associated with known subsurface features (e.g., underground utilities, underground storage tanks) in the accessible (surveyable) portions of the survey areas. To that end, a geophysical survey was performed, followed by sampling and analysis of anomalies not associated with known subsurface features.

EM survey techniques screened the areas identified below (approximately 55 acres) and identified anomalous EM responses. Global positioning system (GPS) technology provided location information for EM data points. Identified anomalies were further evaluated using GPR. The following areas were surveyed:

- Block A and Block A Lot 2 in their entirety—approximately 14.3 acres
- Block B in its entirety—approximately 18.4 acres
- Block F (only the area west of the boat launch ramp)—approximately 6 acres
- Block G as accessible—approximately eight of the 13.5 acres are surveyable due to the high density of stored tractor trailers
- Lot H in its entirety—approximately 7.9 acres

Following the geophysical survey, any anomalies that could not be resolved as being associated with known features (primarily utilities) were sampled for soil contamination at multiple depths using DPT. Two locations were also sampled for groundwater at or near the water table. In

general, soil samples were collected from depths of 5 and 10 feet bgs unless more specific data on the depth to the target area was ascertained.

Following the EM survey of a given area, EM anomalies were further evaluated using GPR. The investigation depth was approximately 10–15 feet. Numerous more closely spaced and variously oriented profiles were scanned to accurately determine the footprint outline of each anomaly. Footprint outlines were defined and marked in the field. Results of the geophysical survey are reported in the *Site Characterization Report* (Tetra Tech, 2006b)

Soil borings were positioned to evaluate geophysical anomalies not associated with known subsurface features and were completed using a Geoprobe® system. Soil from the designated sampling intervals was collected and immediately placed in the appropriate sample containers. The collected sample jars were labeled and placed on ice pending delivery to the analytical laboratory. The laboratory analyses of soil and groundwater samples include analysis for VOCs, SVOC, total priority-pollutant metals, dissolved priority-pollutant metals (groundwater only), PCBs, GRO, and DRO-extended. Sampling locations are shown in Figures 2-3 through 2-9. Data relevant to the HHRA that were collected during the fall 2005 investigation are presented in Appendix A.

2.4.7 Site Characterization Report (May 2006)

The *Site Characterization Report* (Tetra Tech, 2006b) was prepared from the fall of 2005 through May 2006 summarizing data collected in all media through 2005. It included screening of the chemicals detected in soil against natural background concentrations. It also included an HHRA identifying potential adverse human health effects resulting from exposure to the detected chemicals for a number of current and hypothetical use scenarios.

The HHRA identified a number of chemicals of potential concern (COPC) by comparing maximum concentrations to appropriate 2006 screening levels. COPC detected in soil samples include metals, polycyclic aromatic-hydrocarbons (PAHs) (expressed as benzo(a)pyrene equivalents [BaPEq]; see Section 3 for calculation methodology), SVOCs, PCBs, and total petroleum hydrocarbons (TPH)-DRO, and -GRO. Results of the site-specific HHRA helped determine which COPC are the principal contributors to risk. COPC were evaluated from the perspective of prevailing background concentrations and potential adverse human health effects.

2.4.8 Additional Soil Characterization (Fall 2007)

An additional field investigation in the fall of 2007 sought to confirm previous results and refine the limits of COPC (identified in the *Site Characterization Report*) greater than potential cleanup goals. The objective of the fall 2007 investigation was to obtain sufficient soil data to delineate areas of concern in Blocks B, D, E, F, G, and H. To that end, a DPT soil characterization was executed to best define the boundaries of COPC, as defined in the *Site Characterization Report* (Tetra Tech, 2006b). Characterization was completed both laterally and vertically (as determined by the depth to groundwater).

Two-hundred-fifty borings were advanced during the 2007 additional field investigation. Soil borings were advanced to a maximum depth of 9 feet bgs. Samples were collected at two-foot increments (e.g. surface, 2–3, 5–6, 8–9 feet bgs) to a total depth of 9 feet bgs. Concrete coring was required in Blocks E and F. Continuous soil samples were collected in each boring using a 1.5-inch, 4-foot long stainless-steel macro-core sampler fitted with a disposable acetate-liner. Samples were screened in the field for lithologic description, visual observations, and then shipped to the laboratory for analysis. The samplers were analyzed for block-specific COPC including SVOCs, metals, PCBs, and TPH (GRO and DRO) compounds. Sampling locations are shown in Figures 2-3 through 2-9. Data relevant to the HHRA that were collected during fall 2007 investigation are in Appendix A.

2.4.9 Final Soil Delineation (Blocks D, F, G, and H Fall 2009)

The final delineation effort consisted of two tiers of sampling in pursuit of two goals: (1) to fill data gaps to refine estimated depths of soil impacts and (2) to allow for iterative sampling to expand the investigation area outward laterally. The sampling strategy described below advanced 385 soil borings in Blocks D, F, G, and H. No soil borings were advanced in Block E during this event. The data are presented in individual data reports for each block. Samples collected during the fall 2009 event were analyzed for block-specific COPC identified in previous studies. PAHs are the COC analyzed for throughout all blocks; PCBs (Block F), arsenic (Block G), mercury (Blocks F and H), and TPH-GRO and -DRO (Block G) were analyzed for in samples from areas of concern for that particular constituent.

The first tier of delineation sampling ("Inner Tier") collected samples from existing isolated locations where BaPEq concentrations had been calculated for samples with non-detects or less than detection limit results for BaPEq. BaPEq concentrations were calculated using USEPA's *ProUCL* software in combination with USEPA's toxicity-equivalency factors (TEF) for PAHs exceeding the screening level. Some soil data from these previous borings, therefore, exceed the screening level due to the conservative assumption that PAHs may be present above screening levels but below quantitation limits. During Inner Tier sampling, soil in the area of these borings was resampled and analyzed with a lower quantitation limit. The target quantitation limit for PAHs is 6.7 µg/kg. The BaPEq concentration from the resulting Inner Tier data was then calculated and the new BaPEq concentration was compared to the screening level.

The Inner Tier also produced samples from existing isolated sampling locations where the vertical profile did not satisfy the project objective of two clean intervals spaced at one-foot increments beneath the sample exhibiting a screening-level exceedance. In sampling locations that did not satisfy the project depth requirement, the existing location was resampled, starting below the depth of the original screening-level exceedance to define the vertical extent, along with four satellite locations. The Inner Tier sampling sought to verify the clean margin based on resampling data by collecting it from more evenly spaced depth intervals.

If Inner Tier samples exceeded screening levels, an Outer Tier location was sampled to a depth defined by the clean margin of the Inner Tier. The second tier of delineation sampling ("Outer Tier") consists of a round of borings extending outward laterally from the impacted area defined by the results of the previous tier of sampling. Samples from Outer Tier borings were collected and analyzed at two-foot intervals.

In some instances a second round of Outer Tier samples was also collected. The final delineation sampling used DPT drilling, with disposable acetate-lined core samplers. All data were considered when determining the location and depth for vertical and horizontal delineations. In some cases the limit defined by COC with concentrations above screening levels was sufficiently delineated in one or both directions such that the full scope of Inner and/or Outer Tier sampling was not necessary.

Block B characterization was deemed complete during the 2009 final delineation sampling and remediation was undertaken in fall 2010. Block B is therefore not included in this risk assessment. Sampling locations are shown in Figure 2-3 and Figures 2-5 through 2-9. Data relevant to the HHRA that were collected during the fall 2009 investigation are in Appendix A.

2.4.10 Data Gap Investigation (Fall 2010)

The objective of the data-gap soil sampling is to define with greater accuracy the vertical and lateral boundaries of soil with COPC concentrations above potential cleanup goals by collecting soil samples at locations to fill identified data gaps. A DPT drill rig advanced 82 soil borings in each block that had remaining data gaps. Soil samples were collected from each boring at two-foot intervals to a maximum depth of 15 feet. bgs using a 1.5-inch-diameter, 4-foot long stainless-steel macro-core sampler fitted with a disposable acetate-liner.

The data are presented in separate data reports for each block. Samples collected during this event were analyzed for block-specific COC. PAHs are the COC analyzed for throughout Blocks D, F, G, and H. Block F samples were analyzed for mercury. Block E samples were analyzed for PCBs.

A subset of samples was also analyzed for alkyl-PAHs to determine if the source of the impacted area is of pyrogenic or petrogenic in nature. Samples from the panhandle area of Block D were analyzed for VOCs, SVOCs and 1,4-dioxane, TPH-GRO and -DRO, total metals, hexavalent chromium, and pesticides/PCB. Samples from the area near SB-833 in Block E were also analyzed for TPH-GRO and -DRO, VOCs, SVOCs, and total metals. Sampling locations are shown in Figures 2-3 through 2-9. Data relevant to the HHRA that were collected during the fall 2010 investigation are in Appendix A.

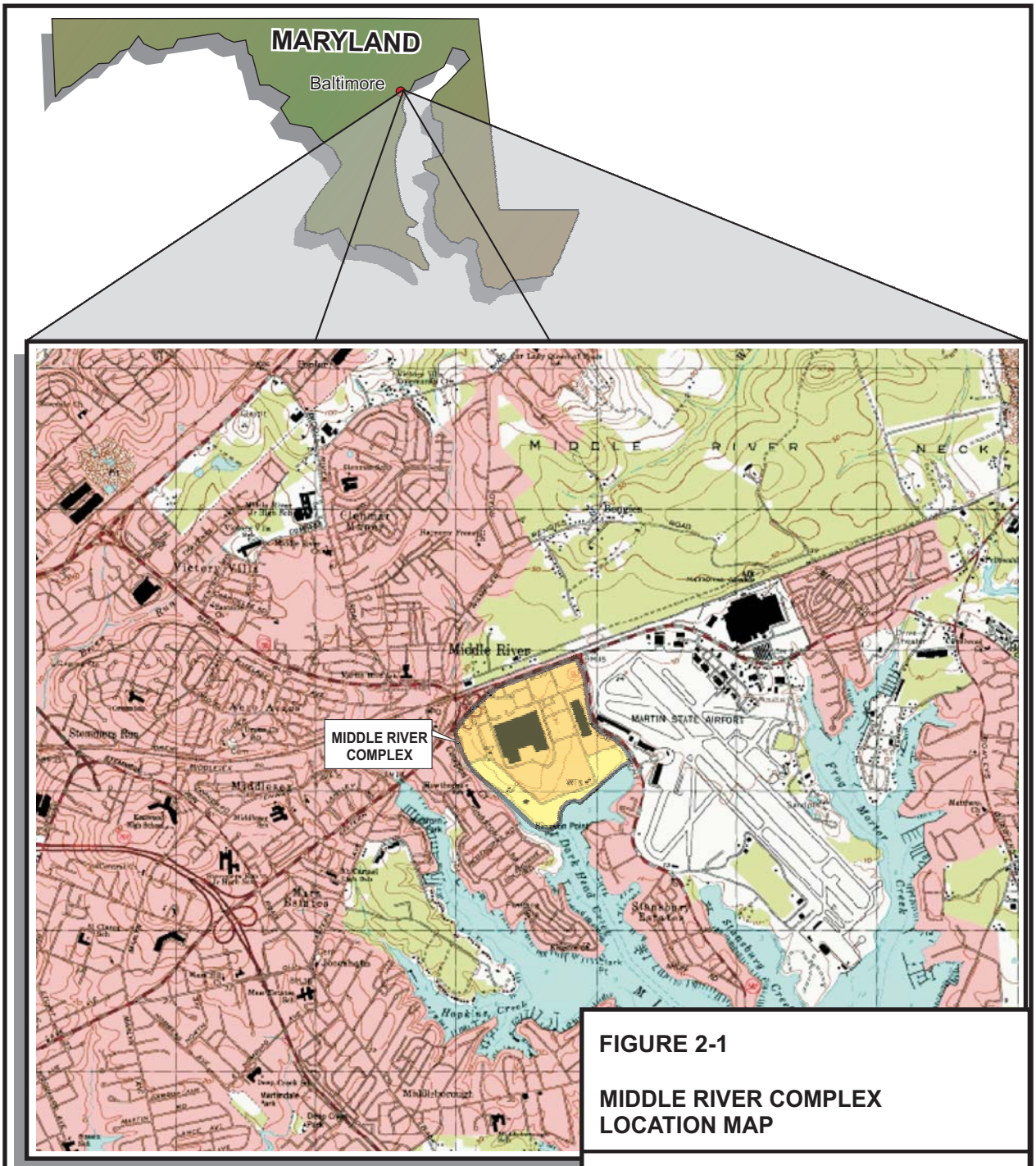


FIGURE 2-1

MIDDLE RIVER COMPLEX LOCATION MAP

Lockheed Martin Middle River Complex
Middle River, Maryland

NOT TO SCALE	N
DATE MODIFIED: 7/29/09	CREATED BY: MP

Tetra Tech, Inc.

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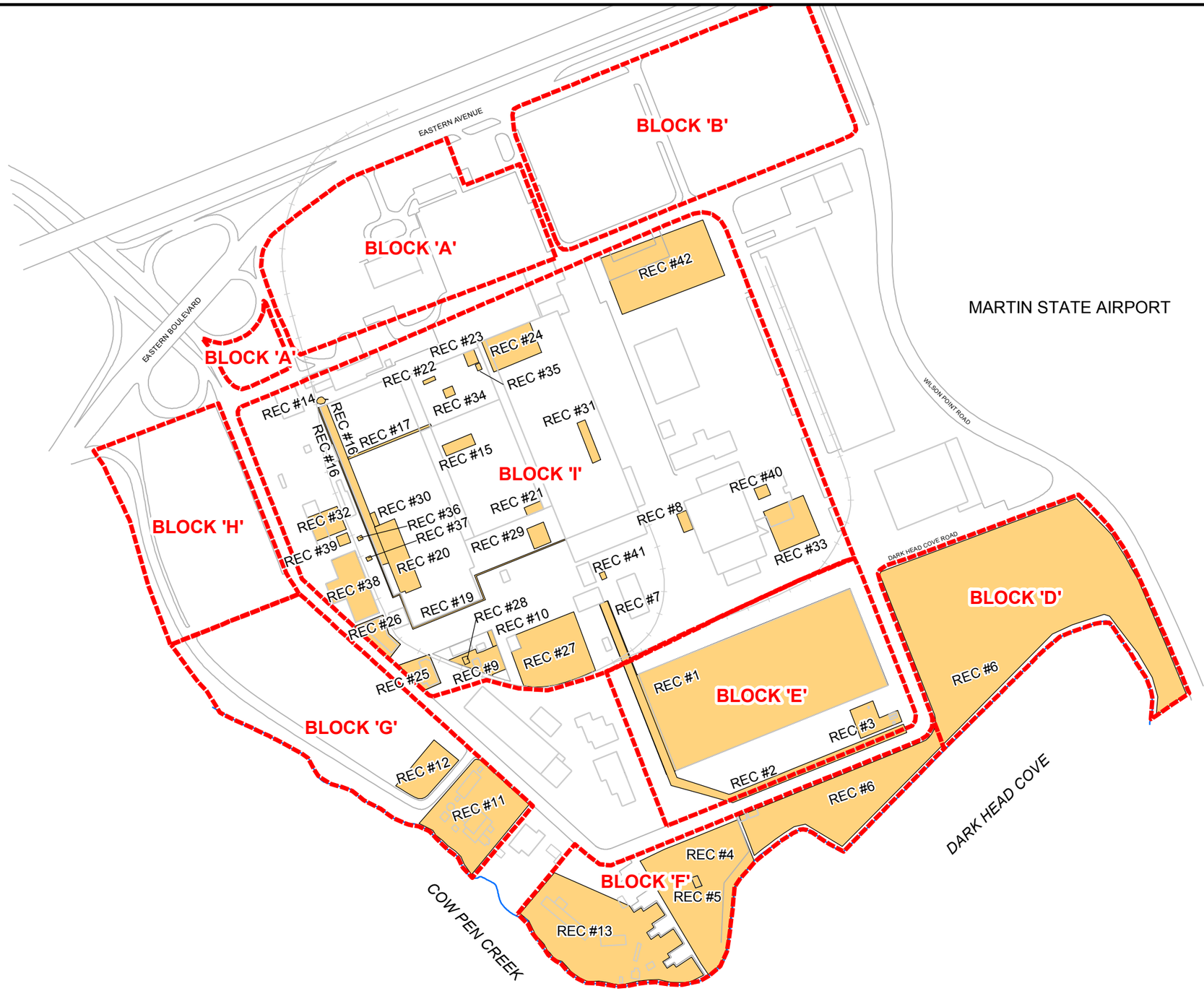


FIGURE 2-2

MIDDLE RIVER COMPLEX
TAX BLOCKS

LEGEND

- REC
- TAX BLOCK
- STRUCTURE
- RAILROAD TRACKS

Lockheed Martin Middle River Complex
Middle River, Maryland

0 120 240 480 Feet

N

DATE MODIFIED: 1/12/11

CREATED BY: LR

Tetra Tech, Inc.

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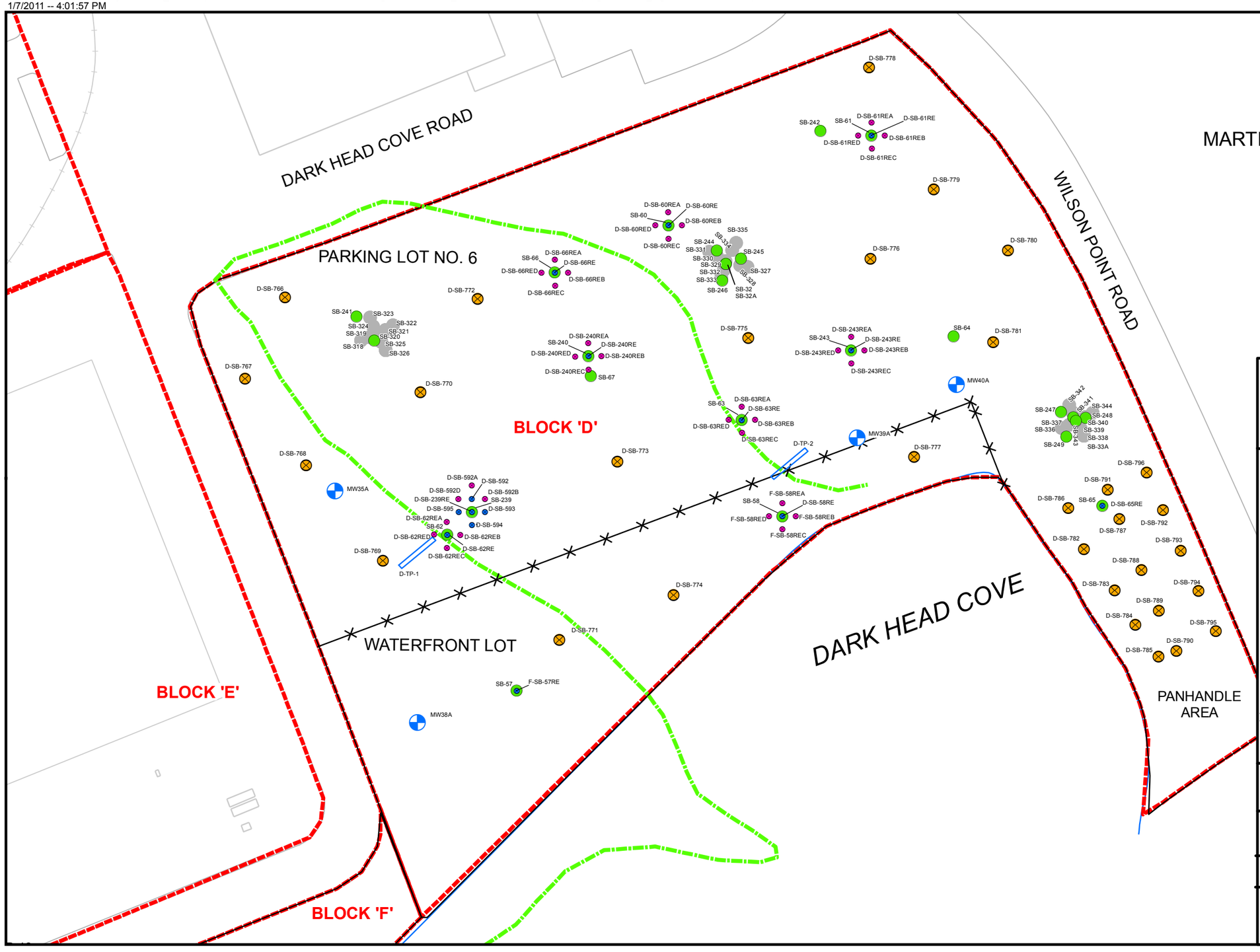


FIGURE 2-3

SOIL SAMPLING LOCATIONS FOR BLOCK D

LEGEND

- GROUNDWATER MONITORING WELL
- PREVIOUS SOIL SAMPLE LOCATION
- FALL 2007 SOIL SAMPLE LOCATION
- VERTICAL (INNER TIER) DELINEATION SAMPLE (SEPTEMBER/OCTOBER 2009)
- LATERAL (OUTER TIER) DELINEATION SAMPLE (OCTOBER 2009)
- 2010 SOIL SAMPLE LOCATION
- 2010 TEST PIT LOCATION
- TAX BLOCK
- FENCE
- PRE- 1950 SHORELINE

Lockheed Martin Middle River Complex
Middle River, Maryland

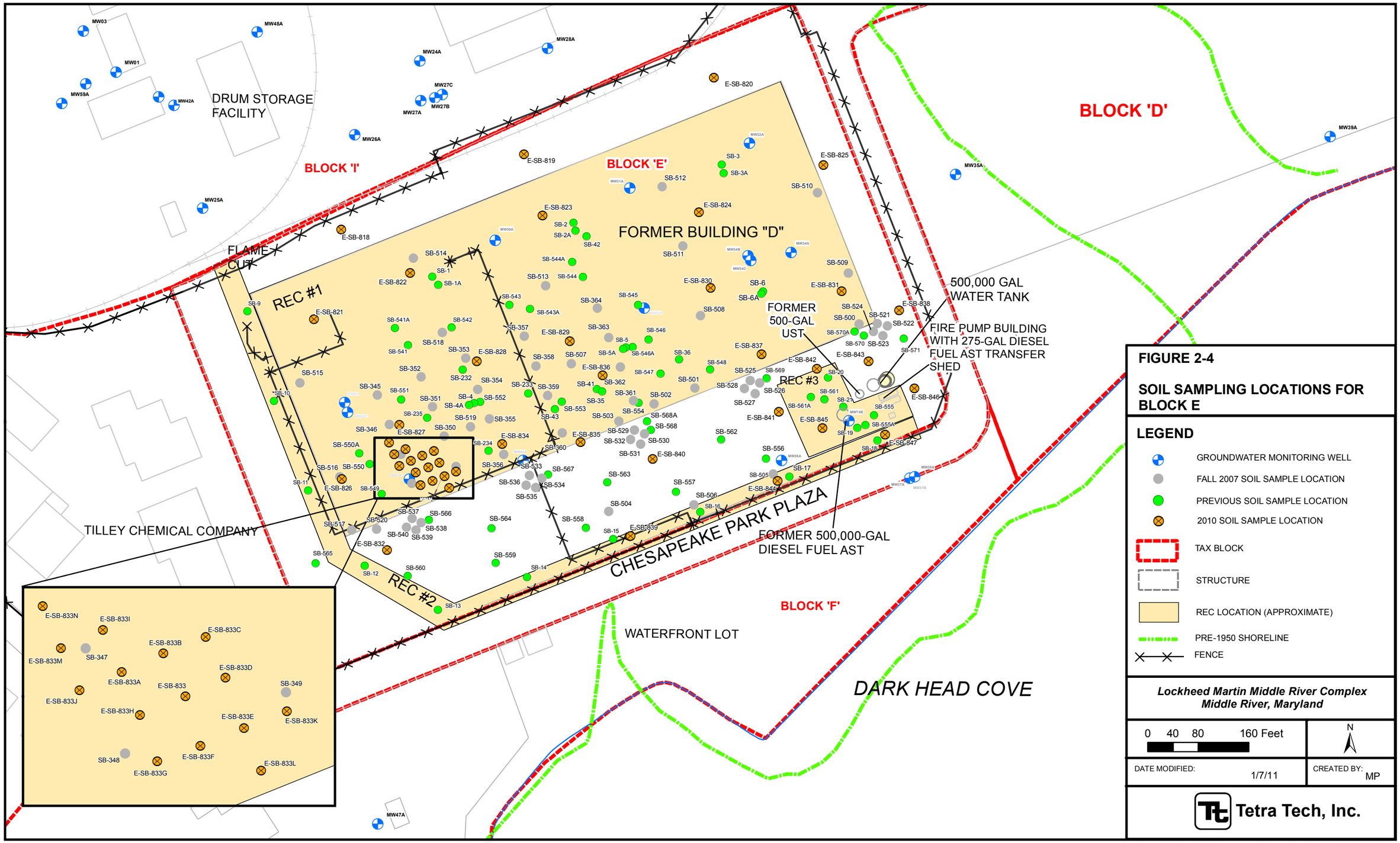
0 30 60 120 Feet

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DATE MODIFIED: 1/6/11

CREATED BY: MP

Tetra Tech, Inc.


DRUM STORAGE FACILITY
BLOCK 'I'
BLOCK 'E'
BLOCK 'D'
BLOCK 'F'
FORMER BUILDING "D"
REC #1
REC #2
REC #3
FLAME CUT
FORMER 500-GAL UST
500,000 GAL WATER TANK
FIRE PUMP BUILDING WITH 275-GAL DIESEL FUEL AST TRANSFER SHED
FORMER 500,000-GAL DIESEL FUEL AST
CHESAPEAKE PARK PLAZA
TILLEY CHEMICAL COMPANY
WATERFRONT LOT
DARK HEAD COVE
MW03
MW48A
MW01
MW59A
MW42A
MW24A
MW28A
MW27C
MW27A
MW27B
MW26A
MW25A
MW32A
MW31A
MW30A
MW34B
MW34C
MW34A
MW35A
MW39A
MW36A
MW38A
MW37A
MW37B
MW74B
MW47A
E-SB-820
E-SB-819
E-SB-818
E-SB-823
E-SB-824
E-SB-825
E-SB-822
E-SB-821
E-SB-829
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E-SB-831
E-SB-838
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E-SB-846
E-SB-841
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SB-550
SB-4
SB-4A
SB-5
SB-5A
SB-36
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SB-43
SB-35
SB-362
SB-361
SB-502
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SB-568
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SB-557
SB-506
SB-16
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SB-15
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SB-345
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SB-18

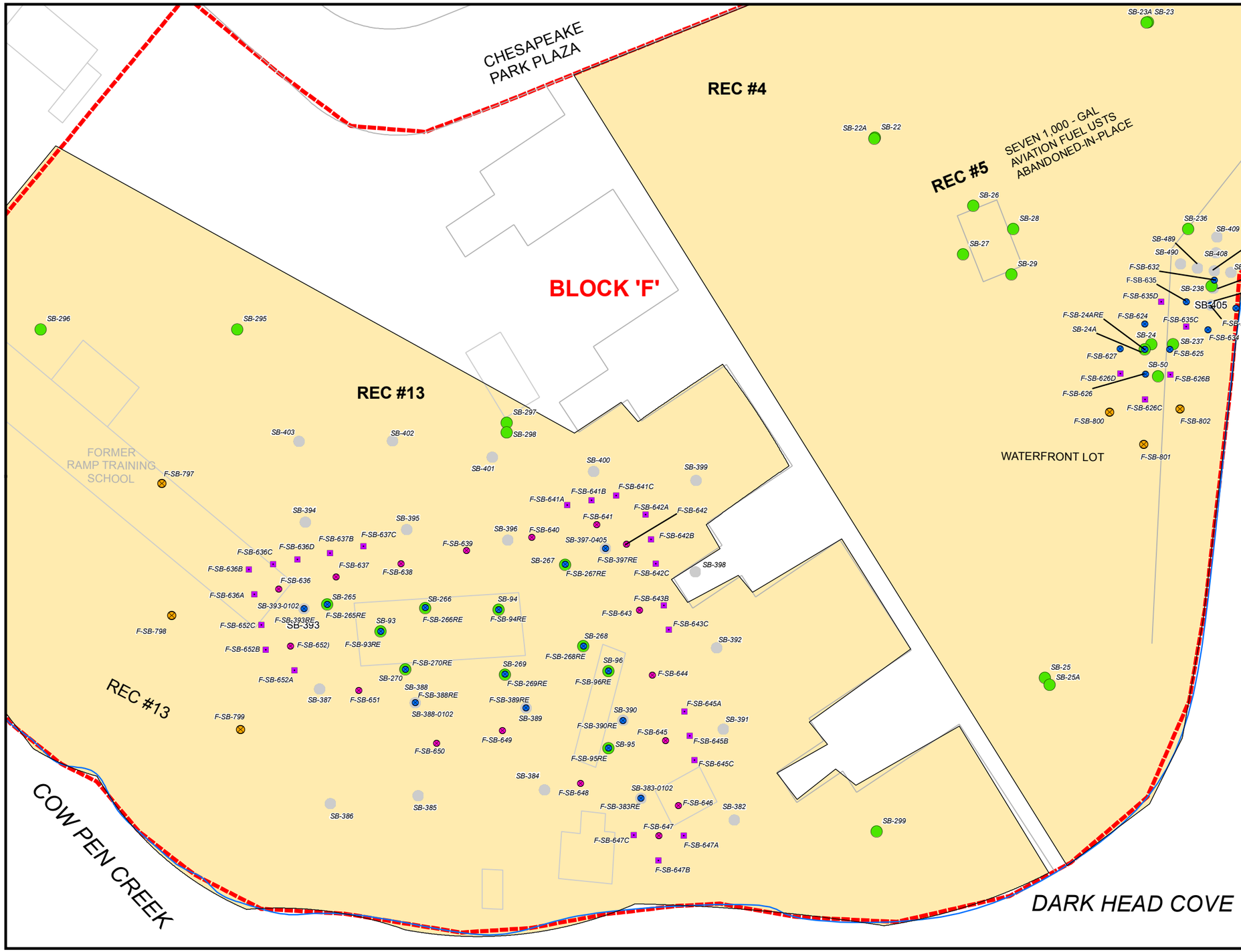


FIGURE 2-5

SOIL SAMPLING LOCATIONS FOR BLOCK F (1 OF 2)

LEGEND

- PREVIOUS SOIL SAMPLE LOCATION
- FALL 2007 SOIL SAMPLE LOCATION
- VERTICAL (INNER TIER) DELINEATION SAMPLE (SEPTEMBER/OCTOBER 2009)
- LATERAL (OUTER TIER) DELINEATION SAMPLE (OCTOBER 2009)
- SECOND ROUND LATERAL (OUTER TIER) DELINEATION SAMPLE (NOVEMBER 2009)
- 2010 SOIL SAMPLE LOCATION
- TAX BLOCK
- STRUCTURE
- REC LOCATION APPROXIMATE

Lockheed Martin Middle River Complex
Middle River, Maryland

0 20 40 80 Feet

N

DATE MODIFIED: 1/7/11

CREATED BY: MP

Tetra Tech, Inc.

Map Document: (K:\GProject\middle_river\Maps\GPS SOIL BORING LOC\Final RAP figures\Final RAP_Comments\Block F Soil Sample Locations 1 of 2_figure 2-5 1 07 11.mxd) 1/7/2011 -- 5:19:38 PM

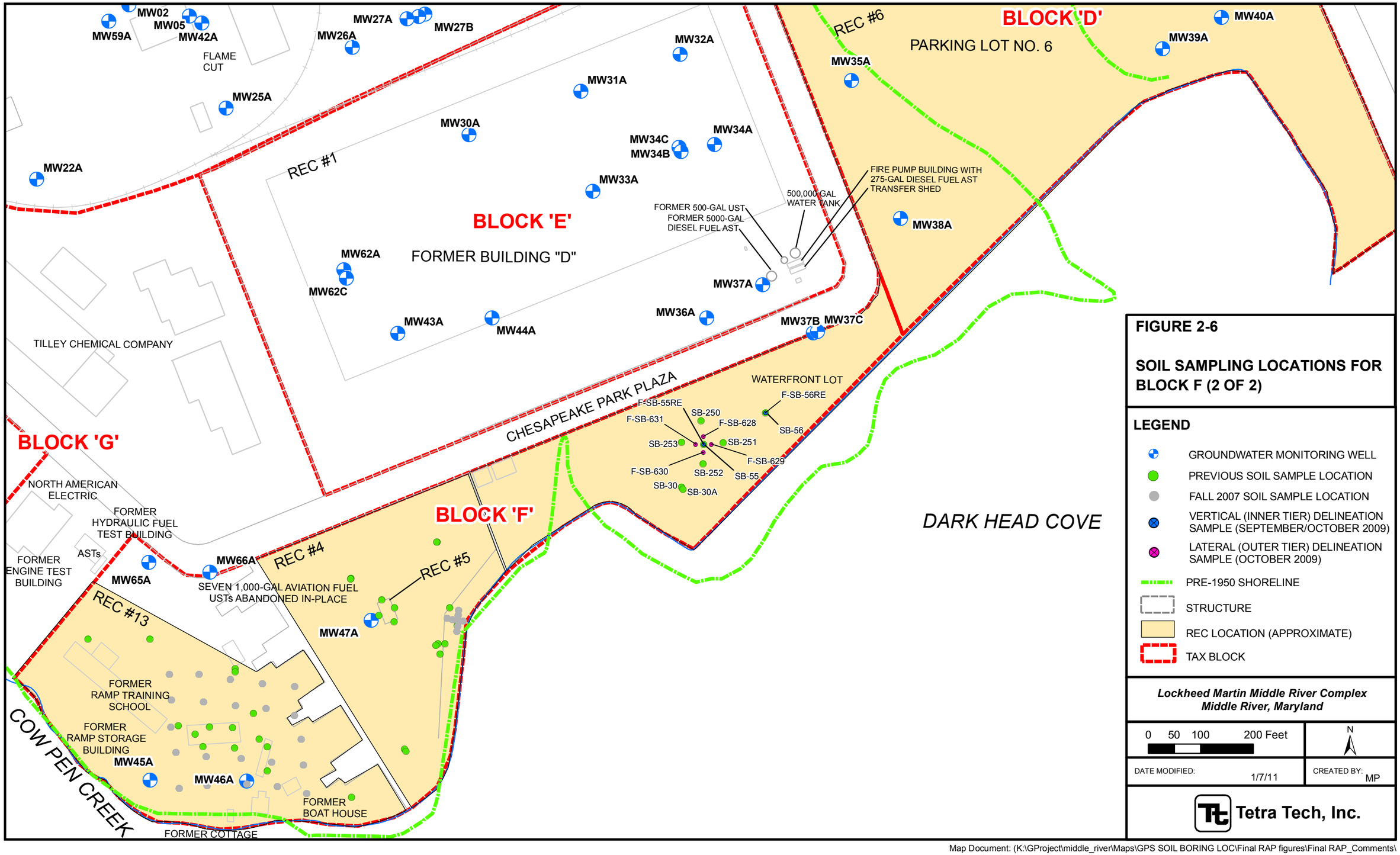


FIGURE 2-6

SOIL SAMPLING LOCATIONS FOR BLOCK F (2 OF 2)

LEGEND

- GROUNDWATER MONITORING WELL
- PREVIOUS SOIL SAMPLE LOCATION
- FALL 2007 SOIL SAMPLE LOCATION
- VERTICAL (INNER TIER) DELINEATION SAMPLE (SEPTEMBER/OCTOBER 2009)
- LATERAL (OUTER TIER) DELINEATION SAMPLE (OCTOBER 2009)
- PRE-1950 SHORELINE
- STRUCTURE
- REC LOCATION (APPROXIMATE)
- TAX BLOCK

Lockheed Martin Middle River Complex
Middle River, Maryland

0 50 100 200 Feet

N

DATE MODIFIED: 1/7/11

CREATED BY: MP

Tetra Tech, Inc.

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Block G Soil Sample Locations 1 of 2_figure 2-7 1 07 11.mxd) 1/7/2011 -- 4:33:54 PM

PARKING LOT NO. 2

PARKING LOT NO. 3

BLOCK 'G'

G-SB-813
G-SB-803
G-SB-804
G-SB-810
G-SB-805
G-SB-811
G-SB-806
G-SB-812
G-SB-807
G-SB-809
G-SB-808

SB-455
SB-442
SB-761A
SB-761D
SB-761
SB-761B
SB-761C
SB-443
SB-673
SB-199RE
SB-676
SB-674
SB-675
SB-199
SB-454
SB-762A
SB-762D
SB-762B
SB-762
SB-762C
G-TP-1
SB-441
SB-689
SB-441RE
SB-692
SB-690
SB-691
SB-198
SB-669
SB-198RE
SB-672
SB-670
SB-671D
SB-671
SB-671B
SB-671C
SB-444
SB-763A
SB-763D
SB-763B
SB-693A
SB-763
SB-763C
SB-693D
SB-693B
SB-696
SB-694
SB-453RE
SB-695
SB-440
SB-764A
G-TP-2
SB-764
SB-665
SB-668
SB-197
SB-666
SB-764B
SB-764D
SB-197RE
SB-667
SB-764C
SB-445
SB-452
SB-765A
SB-765D
SB-765
SB-765B
SB-765C
SB-657A
SB-657D
SB-657
SB-657B
SB-195
SB-195RE
SB-660
SB-658
SB-658B
SB-446
SB-659D
SB-659
SB-658C
SB-659C
SB-439
SB-196
SB-661
SB-662A
SB-662B
SB-664
SB-662
SB-196RE
SB-663
SB-662C
SB-438
SB-653A
SB-653D
SB-653
SB-653B
SB-194
SB-194RE
SB-656D
SB-656
SB-654
SB-654B
SB-654C
SB-656C
SB-655
SB-685
SB-437RE
SB-437
SB-688
SB-686
SB-687
SB-254
BaPEq 227 (0.5')

FIGURE 2-7

SOIL SAMPLING LOCATIONS FOR BLOCK G (1 OF 2)

LEGEND

- PREVIOUS SOIL SAMPLE LOCATION
- FALL 2007 SOIL SAMPLE LOCATION
- 2009 VERTICAL (INNER TIER) DELINEATION SAMPLE
- 2009 LATERAL (OUTER TIER) DELINEATION SAMPLE
- 2009 SECOND ROUND LATERAL DELINEATION SAMPLE
- 2010 SOIL SAMPLE LOCATION
- 2010 TEST PIT LOCATION
- TAX BLOCK
- STRUCTURE
- REC LOCATION APPROXIMATE

Lockheed Martin Middle River Complex
Middle River, Maryland

0 25 50 100 Feet

N

DATE MODIFIED: 1/7/11

CREATED BY: MP

Tetra Tech, Inc.

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Block G Soil Sample Locations 2 of 2_figure 2-8 1 07 11.mxd) 1/7/2011 -- 4:42:24 PM

FOR LOCATIONS WITHIN BLOCK G SEE FIGURE 2-7

BLOCK 'G'

PARKING LOT NO. 3

REC #12

REC #11

COW PEN CREEK

2,000 GALLON FUEL OIL UST

10,000 GALLON FUEL OIL UST

FIGURE 2-8

SOIL SAMPLING LOCATIONS FOR BLOCK G (2 OF 2)

LEGEND

- PREVIOUS SOIL SAMPLE LOCATION
- FALL 2007 SOIL SAMPLE LOCATION
- VERTICAL (INNER TIER) DELINEATION SAMPLE (SEPTEMBER/OCTOBER/NOVEMBER 2009)
- LATERAL (OUTER TIER) DELINEATION SAMPLE (OCTOBER/NOVEMBER 2009)
- SECOND ROUND LATERAL (OUTER TIER) DELINEATION SAMPLE (NOVEMBER 2009)
- TAX BLOCK
- STRUCTURE
- REC LOCATION APPROXIMATE

Lockheed Martin Middle River Complex
Middle River, Maryland

0 20 40 80 Feet

N

DATE MODIFIED: 1/7/11

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EASTERN BOULEVARD

COW PEN CREEK

CHESAPEAKE PARK PLAZA

PARKING LOT NO. 2

BLOCK 'H'

BLOCK 'I'

BLOCK 'G'

PARKING LOT NO. 3

H-SB-814
H-SB-815
H-SB-816
H-SB-817
SB-294
SB-293
SB-202
SB-203
SB-485
SB-282RE
SB-282REA
SB-282RED
SB-282REB
SB-282REC
SB-478
SB-477
SB-284RE
SB-611A
SB-608
SB-609
SB-470
SB-611
SB-611D
SB-284
SB-610B
SB-610D
SB-610
SB-610C
SB-471
SB-604A
SB-604D
SB-604
SB-604B
SB-283RE
SB-607
SB-283
SB-605
SB-606
SB-479
SB-484
SB-467
SB-476
SB-466
SB-483
SB-486
SB-612
SB-285RE
SB-468
SB-615
SB-285
SB-613
SB-614
SB-465
SB-472
SB-475
SB-469
SB-600
SB-201RE
SB-603
SB-601
SB-201
SB-482
SB-602
SB-487
SB-480
SB-464
SB-596
SB-200RE
SB-599
SB-597
SB-200
SB-598
SB-473
SB-481
SB-286RE
SB-616
SB-619
SB-286
SB-617
SB-488
SB-618
SB-463
SB-474RE
SB-620
SB-623
SB-621
SB-474
SB-622
SB-462

FIGURE 2-9

SOIL SAMPLING LOCATIONS FOR BLOCK H

LEGEND

- PREVIOUS SOIL SAMPLE LOCATION
- FALL 2007 SOIL SAMPLE LOCATION
- VERTICAL (INNER TIER) DELINEATION SAMPLE
- LATERAL (OUTER TIER) DELINEATION SAMPLE
- 2010 SOIL SAMPLE LOCATION
- TAX BLOCK
- STRUCTURE

Lockheed Martin Middle River Complex
Middle River, Maryland

0 40 80 160 Feet

N

DATE MODIFIED: 1/7/11

CREATED BY: MP

Tetra Tech, Inc.

Map Document: (K:\GProject\middle_river\Maps\GPS SOIL BORING LOC\Final RAP figures\Final RAP_Comments\
Block H Soil Sampling Locations_ figure 2-9 1 07 11.mxd) 1/7/2011 -- 5:17:36 PM

Section 3
Human Health Risk Assessment: General Methodology

Section 3 provides the general methodologies used to develop tax-block-specific risk assessments for exposure to impacted soil. Primary guidance sources used to prepare this human health risk basement (HHRA) include the Maryland Department of the Environment (MDE) *Cleanup Standards for Soil and Groundwater* (State of Maryland, 2008) and *Voluntary Cleanup Program Guidance* (State of Maryland, 2006). Current guidance and reports published by the U.S. Environmental Protection Agency (USEPA) and USEPA Region 3 were also considered in preparing the HHRA:

- *Soil Screening Guidance: Technical Background Document* (USEPA, 1996a)
- *Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites* (USEPA, 2002a)
- *Exposure Factors Handbook*. Office of Research and Development, National Center for Environmental Assessment, Washington, D.C. EPA/600/P-95/002Fa (USEPA, 1997a)
- *Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure-Factors*. OSWER Directive 9285.6 03, OSWER, Washington, D.C. (USEPA, 1991)
- Distribution of *Preliminary Review Draft: Superfund's Standard Default Exposure-Factors for Central-Tendency and Reasonable Maximum Exposure*. OSWER, Washington, D.C. (USEPA, 1993a)
- *Calculating Upper Confidence-Limits for Exposure-Point Concentrations at Hazardous Waste Sites*. Office of Emergency and Remedial Response, Washington, D.C. OSWER 9285.6-10 (USEPA, 2002b)
- *Risk Assessment Guidance for Superfund (RAGS), Volume I: Human Health Evaluation Manual (Part A)* (USEPA, 1989)

- *Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment), Final*. Office of Superfund Remediation and Technology Innovation, Washington, D.C. 20460 EPA/540/R/99/005, OSWER 9285.7-02EP; PB99-963312 (USEPA, 2004a).

- *Guidelines for Carcinogen Risk Assessment*. EPA/630/P-03/001B. March 2005 (USEPA 2005a)

- *Supplemental Guidance for Assessing Susceptibility from Early Life Exposure to Carcinogens*. EPA/630/R-03/003F (USEPA, 2005b)

- *Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment), Final*. Office of Superfund Remediation and Technology Innovation, Washington, D.C. 20460 EPA-540-R-070-002, OSWER 9285.7-82 (USEPA, 2009a).

- *Updated Dermal Exposure Guidance* (USEPA Region 3, 2003a)

The risk assessment protocols in the following technical documents, which were prepared for Lockheed Martin Corporation (Lockheed Martin) sites at Martin State Airport (MSA) site as well as for the Middle River Complex (MRC), were also considered:

- *Revised Human Health Risk Assessment, MSA, Middle River, Maryland*. Prepared for Lockheed Martin Corporation (Tetra Tech, 2006a)

- *Site Characterization Report, Lockheed Martin MRC, 2323 Eastern Boulevard, Middle River, Maryland* (Tetra Tech, 2006b)

The HHRA for the tax block soils is structured and reported according to the guidelines in the *RAGS, Human Health Evaluation Manual, Part D: Standardized Planning, Reporting, and Review of Superfund Risk Assessments* (*RAGS Part D*) (USEPA, 2001). The HHRA consists of the following six components (see *RAGS* Sections 1 through 6 for a more complete discussion):

- data evaluation
- exposure assessment
- toxicity assessment
- risk characterization
- uncertainty analysis
- development of remedial goal options

3.1 DATA EVALUATION METHODOLOGY

The first step of the baseline HHRA, data evaluation, is a medium-specific task that begins with compilation of relevant analytical data and concludes with the selection of chemicals of potential

concern (COPC) to be evaluated in subsequent step of the assessment. First, the data available for the relevant study area(s) are reviewed in terms of data quality; only validated data are used in the assessment. Environmental samples selected for HHRA are summarized in the tables presented in Appendix A. Second, a medium-specific list of COPC (used to quantitatively and/or qualitatively determine potential human health risks) was selected based on a toxicity screen (i.e., a comparison of site contaminant concentrations to conservative toxicity-screening values).

3.1.1 Data Evaluated in the HHRA

Validated data collected during the following environmental investigations were used to assess risks to potential human receptors:

- Phase II site investigation (fall/winter 2003)
- site-wide Phase II investigation (2004)
- Phase II soil investigation (summer 2005)
- additional soil characterization (fall 2007)
- supplemental soil and storm-drain-sediment characterization (Block E fall 2008)
- final soil delineation (Block D, F, G, and H fall 2009)
- data gap investigation (fall 2010)

Environmental samples specifically evaluated in the HHRA are listed in Tables 3-1 through 3-15 (and Appendix A):

- *Tables 3-1 through 3-5*: Soil samples collected in the 0–2 feet below grade interval for each of the five tax blocks (collected in 2004–2010). These samples are considered surface soil samples for the purposes of the HHRA.
- *Tables 3-6 through 3-10*: Soil samples collected at depths greater than two feet below grade but less than or equal to 10 feet below grade (collected in 2003–2010) are considered shallow subsurface-soil samples for the purposes of the HHRA. Typically, subsurface soil data are evaluated to a depth of 10–15 (the depth to which human receptors could reasonably be exposed) or to the zone of saturation. The depth to groundwater in the study area is within 10 feet below grade. To be conservative, subsurface soil data from 2–10 feet below grade were included in the quantitative risk evaluation. Data for these samples are assumed to represent conditions in the unsaturated (vadose) zone and upper saturated-zone soils. The uncertainty analysis (see Section 5)

discusses uncertainty associated with potential saturated-zone samples included in the quantitative risk evaluation.

- *Tables 3-11 through 3-15*: Soil samples collected at depths greater than 10 feet below grade (collected in 2004 through 2010) are considered deep subsurface-soil samples for the purposes of the HHRA. We assume that direct contact with the deeper saturated-zone soils (i.e., soil samples greater than 10 feet below grade) is very unlikely; therefore, this HHRA does not quantitatively evaluate direct-contact exposure to deeper saturated-zone soils. The uncertainty analysis (see Section 5) presents a qualitative evaluation of contaminants detected in saturated-zone soils.

Fixed-base analytical results (i.e., results from a fixed-base laboratory and not from field analytical results) from field investigations for target analytes were used in the quantitative risk evaluation. Field measurements and data regarded as rejected (i.e., that were qualified as "R" during data validation) were not used in the quantitative risk assessment. If a chemical was not detected in an environmental medium but its reported detection limits (sample quantitation-limits [SQLs]) for the environmental samples exceeded the COPC toxicity screening-levels, that chemical is qualitatively discussed in the uncertainty analysis section.

3.1.2 Selection of Chemicals of Potential Concern

Selecting COPC is a qualitative screening process to limit the number of chemicals quantitatively evaluated in the baseline HHRA to those site-related constituents that dominate overall potential risks. Screening by risk-based concentrations focuses the risk assessment on meaningful chemicals and exposure routes. In general, a chemical was selected as a COPC in the HHRA and retained for further quantitative-risk evaluation if the maximum detection in a soil data set exceeded the lowest risk-based screening concentration. Chemicals eliminated from further evaluation are assumed to present minimal risks to potential human receptors. Tables summarizing the selection of COPC are included in the risk assessment and referenced in the following text.

3.1.2.1 Derivation of Screening Criteria

The primary COPC screening criteria for the study area soils were derived from MDE's *Cleanup Levels for Soil and Groundwater* (State of Maryland, 2008) and USEPA Regional Screening Levels (RSLs) developed by the U.S. Department of Energy's Oak Ridge National Laboratory (ORNL) on behalf of USEPA (USEPA, 2010a). The more conservative of these values were used to select COPC. These risk-based concentrations are based on exposure pathways for which generally accepted methods, models, and assumptions have been developed (i.e., ingestion,

dermal contact, inhalation) for specific land uses (residential, industrial). They do not consider effects on groundwater or ecological receptors. The COPC screening levels used in the HHRA to evaluate soil data are listed in Table 3-16 and defined in the following narrative.

Screening levels for all parameters except lead—Screening levels to select COPC for direct human-contact exposures to surface and subsurface soil are based on the following criteria:

- *Interim Final Guidance from the State of Maryland, Department of the Environment, Cleanup Standards for Soil and Groundwater* (State of Maryland, 2008)
- *Regional Screening-Levels for Residential Soil* (USEPA, 2010a)
- "Generic Soil-Screening Levels (SSL_{air}) for Transfers from Soil to Air" (published on the USEPA Web site: http://rais.ornl.gov/epa/ssl1.shtml)

COPC screening levels from the MDE cleanup standards correspond to a systemic hazard quotient (HQ) of 0.1 for noncarcinogens or an incremental lifetime cancer-risk (ILCR) of 1×10^{-6} (i.e., a one in a million probability) for carcinogens. In contrast, USEPA RSLs are based on an HQ of 1 for noncarcinogens and an ILCR of 1×10^{-6} for carcinogens. USEPA RSLs for noncarcinogens are based on an HQ of 1, so COPC screening-levels based on USEPA RSLs were adjusted to correspond to a systemic HQ of 0.1 for noncarcinogens to account for the potential cumulative effects of several chemicals affecting the same target organ or producing the same adverse noncarcinogenic effect. Soil-screening levels derived from both of these sources were used for direct-contact COPC selection. As noted above, the more conservative of the available values were used for COPC selection.

The SSL_{air} values for chemical migration from soil to outside air (published online by USEPA and ORNL at http://rais.ornl.gov/epa/ssl1.shtml) were also used to select COPC for surface and subsurface soils. These values are more recent than those in the 1996 and 2002 soil-screening level (SSL) guidance documents (USEPA, 1996a and USEPA, 2002a). The $SSLs_{air}$ values are based on an HQ of 1; however, the COPC screening values were adjusted to be based on an HQ of 0.1.

Maximum chemical concentrations in soil were also compared to MDE cleanup levels for groundwater protection (as published in State of Maryland, 2008) as well as to federal SSLs for groundwater protection, which are designed to protect groundwater at most sites (as published in

the USEPA RSL table). These groundwater-protection SSLs allow an initial qualitative evaluation of the potential for chemical migration from soil to groundwater. MDE cleanup levels for groundwater protection are based on a dilution-attenuation factor (DAF) of 20, whereas federal SSLs for groundwater protection are based on a DAF of 1. Chemicals with concentrations exceeding MDE groundwater protection criteria or the SSLs' criteria may potentially migrate from soil to groundwater in sufficient quantities to pose groundwater quality problems. Chemicals detected at concentrations exceeding MDE groundwater protection criterion or the federal SSL for groundwater protection, but at concentrations less than COPC screening levels for direct-contact risk, will not be evaluated quantitatively in the HHRA. However, these chemicals will be further evaluated qualitatively using the approach presented in Section 3.4.3.

Screening levels for lead—Guidance from the USEPA Office of Prevention, Pesticides, and Toxic Substances (OPPTS) and Office of Solid Waste and Emergency Response (OSWER) recommend 400 mg/kg as the screening level for lead impacted soil in a residential setting where children are frequently present (USEPA, 1994). To be conservative, 400 mg/kg was used as the screening level to select COPC for soil. However, guidance from the USEPA Technical Review Workgroup for Lead indicates that "a reasonable screening level for soil lead at commercial/industrial (i.e., non-residential) sites is 800 mg/kg" for a typical non-contact intensive worker (2010b); 800 mg/kg is also the current USEPA RSL for soils (2010a), assuming an industrial land use scenario.

3.1.2.2 Decision Rules for Establishing Chemicals of Potential Concern

The following decision rules were used to select COPC for tax block soils:

- A chemical detected in soil was selected as a COPC for the HHRA if the maximum detected chemical concentration exceeds its relevant screening level for soils.
- Surrogate COPC screening levels were used for some chemicals. For example, risk-based COPC screening levels are not currently available for some chemicals [e.g., acenaphthylene, benzo(g,h,i)perylene, phenanthrene] that have been detected in study area soils due to the lack of toxicity criteria. In screening COPC, acenaphthene was used as a surrogate for acenaphthylene; pyrene was used as a surrogate for benzo(g,h,i)perylene and phenanthrene.

- Some chemicals (e.g., naphthalene) are reported in both the VOC and SVOC fractions. The maximum detected concentration was evaluated for purposes of COPC selection.

- Per current USEPA guidance (USEPA, 1993b), cancer risk estimates for benzo(a)pyrene and six other PAHs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene) were calculated in terms of benzo(a)pyrene equivalent concentrations (BaPEq) that are calculated using USEPA-recommended toxicity equivalency factors (TEFs). TEFs are based on the potency of each of these PAH compounds relative to that of benzo(a)pyrene. TEFs are used to convert each individual PAH concentration into an equivalent concentration of benzo(a)pyrene. The sum of these equivalent concentrations for the six other PAHs and benzo(a)pyrene is the BaPEq concentration. Exposure-point concentrations (EPC) for these PAHs were derived using benzo(a)pyrene equivalent concentrations calculated for each sample.

  BaPEq are calculated two ways: (1) the BaPEq-½-non-detect value is calculated using one-half of the detection limit to represent non-detect results in the calculation, and (2) the BaPEq positive-results value is calculated using a value of zero to represent non-detect PAH results. In either BaPEq calculation, if none of the PAHs were detected in a sample, then the sample quantitation-limit for benzo(a)pyrene is used as the equivalent concentration for that sample. Values for both BaPEq calculations are presented in the COPC-selection tables.

  Both values calculated for BaPEq are similar; therefore, the BaPEq-½-non-detect values were used in the risk assessment, since these values are slightly more conservative due to the incorporation of non-detects. Using one-half of the detection limit for non-detects recognizes that the concentration of a PAH in a specific sample may be greater than zero even though the result is considered non-detected (i.e., the PAH may be present at a concentration between zero and the sample-quantitation limit). The fact that the BaPEq results for both the ½-non-detect and positive-results-only calculations are similar indicates that elevated detection limits are not resulting in biased-high BaPEq results for the ½-non-detect calculation.

- For PCBs, individual Aroclors were compared to screening criteria for individual Aroclors. Total Aroclor concentrations were determined on a sample-specific basis by summing individual detected Aroclor concentrations. These results are presented in the COPC selection tables where applicable.

3.1.3 COPC Selected for the HHRA

COPC for the tax blocks were selected for surface and subsurface soil using the COPC screening levels described in the preceding narrative. COPC selection was based on samples from all blocks (i.e., Blocks D, E, F, G, and H) combined to produce a list of “global” COPC. Global COPC were further evaluated on a block-specific basis as part of the quantitative risk assessment based on whether the COPC were detected in a specific block, consistent with the global COPC

screening process. Using the global COPC screening process avoids having to evaluate and assign surrogate concentration values (e.g., SQLs) to global COPC that were never detected in the block considered. A discussion of the chemicals identified as global COPC and the rationale for their selection as global COPC is provided in the following subsections. Global COPC-selection tables for surface and subsurface soil are presented in Tables 3-17 through 3-20. Global COPC-selection for the deep subsurface soils (not evaluated quantitatively in the HHRA) is presented in Table 3-21. Chemicals retained as global COPC for the tax blocks are presented in Table 3-22. The *RAGS Part D* tables for COPC selection are in Appendix D.

3.1.3.1 Surface Soil (0–2 Feet Below Grade)

Thirty VOCs, 12 SVOCs, 17 PAHs, three pesticides, three PCBs, 19 metals, petroleum hydrocarbon compounds, methyl mercury, and hexavalent chromium were detected in the surface soil samples listed in Tables 3-1 through 3-5. A comparison of the maximum detected surface soil concentrations to screening levels (based on MDE cleanup levels, RSLs, and $SSLs_{air}$) is presented in Table 3-17. The following chemicals were detected in surface soils at maximum concentrations exceeding the direct-contact risk-based COPC screening-levels and were retained as COPC for surface soil:

- ***VOCs:*** 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, and 1,4-dichlorobenzene
- ***PAHs:*** benzo(a)pyrene equivalents, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(b+k)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene
- ***PCBs:*** Aroclor-1254, Aroclor-1260, and total Aroclor
- ***Metals:*** antimony, arsenic, cadmium, cobalt, iron, lead, manganese, mercury, molybdenum, nickel, and vanadium
- ***Petroleum hydrocarbons:*** DRO and GRO
- ***Miscellaneous parameters:*** hexavalent chromium

No COPC screening levels based on MDE cleanup standards or USEPA RSLs are available for 1,2,3-trimethylbenzene, n-butylbenzene, tertiary-butyl alcohol, di-n-octyl-phthalate, dimethyl phthalate, and the TPH ranges TPH C09-C36 and TPH C10-C32. Chemicals lacking screening criteria were qualitatively evaluated in the uncertainty analysis (see Section 5).

Also in Table 3-17, the maximum detected surface soil concentrations are compared to USEPA SSLs for chemical migration from soil to outdoor air. Concentrations reported for all chemicals except 1,2,4-trichlorobenzene are less than USEPA SSLs for soil to air. Since the maximum detected concentration of this chemical exceeds the SSL for contaminant migration from soil to air, receptor exposure through inhalation of fugitive dusts and VOCs was evaluated.

A comparison of the maximum detected surface soil concentrations to USEPA SSLs for chemical migration from soil to groundwater is presented in Table 3-18. The following chemicals were detected in surface soil at maximum concentrations exceeding the COPC screening-levels for migration from soil to groundwater and were retained as global COPC for surface soil in the tax blocks:

- ***VOCs:*** 1,1-dichloroethane, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,2,4-trimethylbenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, benzene, ethylbenzene, methylene chloride, naphthalene, tetrachloroethene, and trichloroethene
- ***SVOCs:*** carbazole and dibenzofuran
- ***PAHs:*** 1-methylnaphthalene, 2-methylnaphthalene, benzo(a)pyrene equivalents, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(b+k)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, and naphthalene
- ***Pesticides/PCBs:*** Aroclor-1242, Aroclor-1254, Aroclor-1260, beta-BHC, and total Aroclor
- ***Metals:*** antimony, arsenic, cadmium, cobalt, copper, iron, lead, manganese, molybdenum, nickel, selenium, and silver
- ***Miscellaneous parameters:*** hexavalent chromium

The potential for chemical migration from soils to groundwater is more fully evaluated in Section 4.

3.1.3.2 Shallow Subsurface soil (Greater than 2–10 Feet Below Grade)

Thirty-six VOCs, 11 SVOCs, 18 PAHs, two pesticides, two PCBs, 19 metals, petroleum hydrocarbons, methyl mercury, and hexavalent chromium were detected in the shallow subsurface soil samples listed in Tables 3-6 through 3-10. A comparison of the maximum detected subsurface soil concentrations to screening levels (based on MDE cleanup levels and

USEPA RSLs) is presented in Table 3-19. The following chemicals were detected in shallow subsurface soils at maximum concentrations exceeding the direct-contact risk-based COPC screening-levels and were retained as global COPC for shallow subsurface soil:

- ***VOCs:*** 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, and naphthalene
- ***PAHs:*** benzo(a)pyrene equivalents, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, and naphthalene
- ***PCBs:*** Aroclor-1254, Aroclor-1260, and total Aroclor
- ***Metals:*** arsenic, cobalt, iron, lead, manganese, mercury, and vanadium
- ***Petroleum hydrocarbons:*** DRO and GRO
- ***Miscellaneous parameters:*** hexavalent chromium

No COPC screening levels based on MDE cleanup standards or USEPA RSLs are available for 1,2,3-trimethylbenzene, 4-isopropyltoluene, n-butylbenzene, sec-butylbenzene, tertiary-butyl alcohol, di-n-octyl phthalate, dimethyl phthalate, TPH C09-C36, and TPH C10-C32. Chemicals lacking screening criteria were qualitatively evaluated in the uncertainty analysis (see Section 5). Table 3-19 also compares the maximum detected shallow subsurface-soil concentrations to the USEPA SSLs for chemical migration from soil to air. Concentrations reported for 1,2,4-trichlorobenzene, naphthalene (analyzed as a VOC), and naphthalene (analyzed as PAH) exceed USEPA SSLs for soil to air. Consequently, receptor exposure through inhalation of fugitive dusts and VOCs was evaluated.

Table 3-20 compares the maximum detected shallow–subsurface soil concentrations to MDE cleanup goals for groundwater protection and to USEPA SSLs for chemical migration from soil to groundwater. The following chemicals were detected in subsurface soil at maximum concentrations exceeding COPC screening-levels for migration from soil to groundwater and were retained as global COPC for subsurface soil in the tax blocks:

- ***VOCs:*** 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,2,4-trimethylbenzene, 1,2-dichlorobenzene, 1,2-dichloroethane, 1,3-dichlorobenzene, 1,4-dichlorobenzene, acetone, benzene, carbon tetrachloride, chlorobenzene, ethylbenzene, m+p-xylenes,

methylene chloride, naphthalene, tetrachloroethene (PCE), total xylenes, trichloroethene (TCE), and vinyl chloride

- ***SVOCs:*** carbazole, dibenzofuran, and n-nitrosodiphenylamine
- ***PAHs:*** 1-methylnaphthalene, 2-methylnaphthalene, acenaphthene, benzo(a)pyrene equivalents, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, and naphthalene
- ***Pesticides/PCBs:*** Aroclor-1254, Aroclor-1260, beta-BHC, and total Aroclor
- ***Metals:*** antimony, arsenic, cobalt, copper, iron, lead, manganese, nickel, selenium, and silver
- ***Miscellaneous parameters:*** hexavalent chromium

A more refined evaluation of the potential for chemical migration from soils to groundwater is provided in Section 4.

3.1.3.3 Deep Subsurface Soil (Greater than 10 Feet Below Grade)

The HHRA for the tax block soils assumes that direct human-contact with deep subsurface soils is very unlikely. Therefore, risk estimates are not presented for direct contact with this medium. However, to be complete, Table 3-21 compares the maximum detected concentrations to the direct-contact COPC selection-criteria for soils. The maximum detected concentrations are not compared to USEPA SSLs for groundwater protection because the deep subsurface soils are in the saturated-soil zone. Any remediation of COPC in this zone would be based on contamination actually observed in groundwater, and not on contamination detected in deep, saturated soils.

Twenty-one VOCs, three SVOCs, 18 PAHs, one PCB (Aroclor-1260), 19 metals, petroleum hydrocarbons, and hexavalent chromium were detected in the deep subsurface soils. The following chemicals were detected at concentrations exceeding direct-contact COPC screening-levels:

- ***PAHs:*** benzo(a)pyrene equivalents, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene
- ***PCBs:*** Aroclor-1260
- ***Metals:*** arsenic, cobalt, iron, manganese, and vanadium

- ***Miscellaneous parameters:*** hexavalent chromium

The uncertainty analysis (Section 5) contains a more detailed qualitative evaluation of the global COPC selected for deep subsurface soil.

3.1.3.4 Summary

Table 3-22 summarizes the chemicals retained as global COPC for surface and subsurface soils at the tax blocks. *RAGS Part D* tables for COPC selection are included in Appendix D.

3.2 EXPOSURE ASSESSMENT METHODOLOGY

The exposure assessment component of an HHRA defines and evaluates, either quantitatively or qualitatively, the type and magnitude of human exposure to the chemicals at or migrating from a site. It is designed to depict the site's physical setting, to identify potentially exposed populations and applicable exposure pathways, to calculate concentrations of COPC to which receptors might be exposed, and to estimate chemical intakes under the identified exposure scenarios. Actual or potential exposures at a site depend on the most likely pathways of contaminant release and transport, as well as on patterns of human activity. A complete exposure pathway has four components: a source of chemicals that can be released to the environment, a route of contaminant transport through an environmental medium, an exposure or contact point for a human receptor, and an exposure route.

3.2.1 Conceptual Site Model

The HHRA includes a conceptual site-model (CSM) that identifies the exposure pathways by which human receptors may come in contact with study area soils. The CSM depicts the relationships among the following elements of a *complete* exposure pathway (i.e., a pathway that potentially results in human exposure and is evaluated [qualitatively or quantitatively] in an HHRA):

- site sources of contamination
- contaminant release mechanisms and transport/migration pathways
- exposure routes
- potential receptors

These CSM elements establish the manner and degree to which a potential receptor may be exposed to chemicals present at a site. The degree of risk incurred by a potential receptor varies

according to the means and duration of exposure and the specific chemical to which the receptor is exposed. An exposure, however long in duration, does not necessarily result in a regulatorily "unacceptable" health or environmental risk, although risks generally increase with increased frequency and/or duration of exposure.

Sources of possible contamination are discussed in Section 3.2.1.1. Sections 3.2.1.2 and 3.2.1.3 discuss contaminant release mechanisms and transport and migration pathways. Section 3.2.1.4 and Table 3-23 provide a site-specific summary of potential receptors and exposure pathways to be evaluated for the tax blocks. A summary of the exposure routes (addressed quantitatively for each human receptor) is provided in Table 3-24. Figure 3-1 illustrates the CSM for the tax blocks' HHRA.

3.2.1.1 Site Sources of Contamination

Tax Blocks D, E, F, G, and H share several common characteristics. For example, no surface water bodies cross or emanate and no wetlands have been identified in or around any of the Blocks. Additionally, excluding areas immediately adjacent to Cow Pen Creek and Dark Head Cove, surface water runoff discharges from the site via storm drains. Lockheed Martin maintains a State of Maryland NPDES permit (state discharge permit No.: 00-DP-0298, NPDES No.: MD0002852), issued by the MDE Industrial Discharge Permits Division, Water Management Administration. The permit covers storm-water discharge from the entire property rather than from individual tenants (Tetra Tech, 2006).

Finally, soil data collected from each block indicate that past activities have released contaminants to the surrounding environment. MRC site assessments indicate that a high percentage of site soils contain a very high clay and silt content, with poor surface drainage. The results of previous investigations are summarized in Section 2. See Section 2.3.3 for a detailed discussion of soil types at the MRC. Site-specific information for each block follows.

Block D is in the southeastern portion of MRC and is bounded by Wilson Point Road to the east, Chesapeake Park Plaza to the west, Dark Head Cove Road to the north, and Dark Head Cove to the south. PAH contamination in the soil at Block D may be associated with the asphalt paving or motor oil dripping from cars, or an alternative source such as urban fill may also be present, since elevated concentrations are found at depth. Detected concentrations of several metals, DRO, GRO, PAHs (represented as the BaPEq), and Aroclor-1260 in surface soil exceed their

respective screening criteria. In subsurface soil, BaPEq constituents, naphthalene, Aroclor-1260, several metals, DRO, and GRO were detected at levels exceeding screening criteria.

Block E is in the southern portion of MRC and is bounded by Chesapeake Park Plaza to the east and south, Tilley Chemical Company to the west, and Block I to the north. Soil data collected from REC #1 (Former Building D) in Tax Block E indicate that past activities have released contaminants to the surrounding environment. Contamination may be the result of historical industrial operations in Former Building D, from the former UST or product line, or from use of the building foundation for storage or management of PCB-containing materials. Detected concentrations of 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,4-dichlorobenzene, BaPEq constituents, Aroclor-1254, Aroclor-1260, several metals, DRO, and GRO in surface soil exceed soil-screening criteria. In subsurface soil, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, BaPEq constituents, naphthalene, Aroclor-1254, Aroclor-1260, several metals, DRO, and GRO exceed their respective screening criteria.

Block F is in the southern most portion of the MRC and is bounded by Chesapeake Park Plaza to the north, North American Electric, Inc., to the north-northwest, Cow Pen Creek to the west-southwest, and Dark Head Cove to the south-southeast. Block F has four RECs: REC #4 (Boat Launch Area), REC #5 (Former Aviation Fuel USTs), a portion of REC #6 (Waterfront Lot), and REC #13 (Former Boat Dock Area). RECs #4 and #5 are covered by a concrete tarmac forming the REC #4 boundary. REC #5 consists of seven USTs underneath the north central portion of the tarmac. REC #6 (Waterfront Lot) is a well-manicured, grassy strip between Chesapeake Park Plaza and Parking Lot No. 6 along the shore of Dark Head Cove. REC #13 (Former Boat Dock Area) is an open, relatively flat grassy parcel of land. REC #13 is covered with a well-maintained grass lawn with shrubs and trees growing thickly along the Cow Pen Creek shoreline. Severely degraded remnants of several walkways, parking areas, and a few foundations are still evident (Tetra Tech, 2006b). The topography and concrete tarmac at REC #4 most likely results in surface water runoff in this area discharging directly to Dark Head Cove as overland sheet-flow. Surface water runoff from the grassy areas will generally infiltrate into the underlying soil or discharge to Dark Head Cove or Cow Pen Creek as overland sheet flow.

Block F soil data indicate that past activities have released contaminants to the surrounding environment. Block F impacts may be the result of historical activities. Detected concentrations of BaPEq constituents, Aroclor-1254, Aroclor-1260, several metals, DRO, and GRO in surface soil exceed their respective screening criteria. In subsurface soil, BaPEq constituents, naphthalene, Aroclor-1260, several metals, DRO, and GRO also exceed their respective screening criteria.

Block G is in the southwestern portion of the MRC, bounded by Chesapeake Park Plaza to the east, Cow Pen Creek to the west, North American Electric, Inc. to the south, and Block H to the north. Block G has two RECs: REC #11 (Former STP/Wind-Tunnel Test Building/Vibration-Test Building) and REC #12 (Southern Portion of Lot 3). The remaining portion of Parking Lot No. 3 is also included in Block G. Currently, REC #11 is an open, grassy area between Chesapeake Park Plaza and Cow Pen Creek, REC #12 is a gravel lot, and Parking Lot No. 3 is a flat parcel of land used for truck-trailer storage (Tetra Tech, 2006b).

Block G soil data indicate that past activities have released contaminants to the surrounding environment. Contamination may be the result of historical industrial operations that took place in this area, from USTs suspected to have been at this site or from items that may have been stored in Block G. Detected concentrations of BaPEq constituents, Aroclor-1254, Aroclor-1260, several metals, DRO, and GRO in surface soil exceed their respective screening criteria. In subsurface soil, BaPEq constituents, naphthalene, Aroclor-1260, several metals, DRO, and GRO likewise exceed their respective screening criteria.

Block H, in the northwestern portion of the MRC, is bounded to the north by Eastern Boulevard, to the east by the industrial portion of the MRC (Block I), to the south by Parking Lot No. 3 (Block G), and to the west by Cow Pen Creek. Site soils consist of a heterogeneous mix of silty sands, fine-grained to medium-grained sands, and silty clay. The topography and the asphalt paving make it likely that surface water runoff in this area would discharge to Cow Pen Creek as overland sheet flow. Surface water runoff from the grassy areas will generally infiltrate the underlying soil or discharge to Cow Pen Creek as overland sheet flow.

Block H soil data indicate that past activities have released contaminants to the surrounding environment. Detected concentrations of BaPEq constituents, several metals, DRO, and GRO in

surface soil exceed their respective screening criteria. In subsurface soil, BaPEq constituents, naphthalene, DRO, and GRO likewise exceed their respective screening criteria.

3.2.1.2 Potential Contaminant Release Mechanisms and Transport Pathways

Chemicals may migrate within an environmental medium (e.g., soil) or migrate to another environmental medium (e.g., air) once released. This section discusses potential contaminant release mechanisms and transport pathways. Potential contaminant release mechanisms and transport pathways are nearly identical for Tax Blocks D, E, F, G, and H. For example, soil data collected in each Block indicate that past activities have released contaminants to the surrounding environment.

Contaminants in surface soil could migrate to air through wind erosion or through volatile emissions. Subsurface soil is not currently exposed in any of the tax blocks; however, if future construction were to bring subsurface soil to the surface, contaminants in subsurface soil could be transported into the air through wind erosion or through volatile emissions. Finally, at each tax block, contaminants can migrate from both surface and subsurface soil to groundwater through leaching of chemicals in the soil. Chemical migration from soil to groundwater for each block was evaluated and the results of those evaluations are in Section 4.

The primary differences in potential contaminant release mechanisms and transport pathways for the tax blocks relate to overland runoff and erosion. As previously mentioned, excluding areas immediately adjacent to Cow Pen Creek and Dark Head Creek, surface water runoff discharges from these sites via storm drains for which Lockheed Martin maintains a Maryland NPDES permit. Following are descriptions of overland runoff and erosion per tax block. Overland runoff and erosion can only be potential migration pathways if contaminated soil is disturbed and exposed.

Block D—If the parking lot was removed, overland runoff and erosion at the site could be a significant contaminant transport mechanism due to the site topography, which gently slopes from Eastern Boulevard to the southwest and south toward Cow Pen Creek and Dark Head Cove.

Block E—Surface soil contaminants are not expected to be transported to surface water bodies (i.e., Dark Head Cove or Cow Pen Creek) through overland runoff and erosion because of the distance between Block E and surface water bodies, the generally low relief site topography, and

because (apart from the foundations slabs and remnants of Former Building D) much of the site is vegetated, which facilitates infiltration and evapo-transpiration. Infiltration is therefore expected to dominate surface runoff.

Block F—Surface water runoff from the concrete tarmac of REC #4 would most likely discharge directly to Dark Head Cove as overland sheet flow. Surface water runoff from the grassy areas will generally infiltrate into the underlying soil or discharge to Dark Head Cove or Cow Pen Creek as overland sheet flow.

Block G—Overland runoff at the site may be a significant contaminant transport mechanism due to drainage systems and because Cow Pen Creek borders Block G. However, those drainage systems are permitted through NPDES. In vegetated areas, which facilitate infiltration and evapo-transpiration, infiltration is expected.

Block H—Overland runoff at the site may be a significant contaminant transport mechanism if contaminated soils become exposed, due to the topography of the site and asphalt paving.

3.2.1.3 Fate and Transport of Primary Site COPC in Soil

Brief overviews of the fate and transport of metals, PAHs, and PCBs in soil follow:

Metals—The fate and transport of inorganics (metals) are controlled mainly by the mobility of soil particles and their dissolution into water present in the immediate environment. Metals do not undergo the sort of degradation reactions that most organic chemicals do; therefore, they are considered persistent. The major fate mechanisms for metals are adsorption to the soil matrix and bioaccumulation.

The mobility of metals is influenced primarily by their physical and chemical properties, in combination with the physical and chemical characteristics of the soil matrix. Factors that help predict the mobility of inorganic species are the soil/pore water pH (a measure of hydrogen ion concentration), soil/pore-water Eh (redox potential relative to the Standard Hydrogen Electrode), and cation-exchange capacity. The mobility of metals generally increases with decreasing soil pH and cation-exchange capacity.

PAHs are fairly immobile chemicals in the environment. PAHs are large molecules with low solubilities, vapor pressures, and Henry's Law constants, and have high partitioning coefficients. PAHs in soil are much more likely to bind to soil and be transported via mass-transport mechanisms than through dissolution. These compounds, when found in the surface soil, generally do not migrate vertically to a great extent. Instead, they are more likely to adhere to soil particles and be removed from the site via surface water runoff and erosional processes, especially in the absence of pavement or if erosion controls are absent or not functioning properly.

PCBs are considered very persistent organic chemicals with a great affinity for particulates and organic matter (i.e., soil). However, PCBs may be mobilized via particulate transport due to erosion of contaminated surface soil. Site surfaces are mostly covered with impermeable materials where PCBs are located, so PCBs are likely not currently mobilized via particulate transport because they will not be exposed to surface water runoff.

3.2.1.4 Potential Current and Future Receptors of Concern and Exposure Pathways

Current land use in the MRC area is commercial/industrial and expected to remain so for the foreseeable future. However, a small portion of Block D, the Block D panhandle area, may be considered for donation to the community. Potential land use scenarios for the donated Block D panhandle area could include recreational land use. Note that this HHRA evaluated the entire Block D area as a whole. The area surrounding the MRC consists of suburban developments, industrial/commercial developments, and woodlands. Groundwater is not currently used as a source of potable or industrial water at the site, and such use is not anticipated. This HHRA considers receptor exposure under non-residential (e.g., industrial, recreational) land use scenarios. Although the site is unlikely to be used for residential purposes, residential land uses are also evaluated.

Current and/or potential/hypothetical future land uses suggest the following potential receptors could be exposed to impacted environmental media at the MRC:

- *Construction workers*—Construction workers are plausible on-site adult receptors under current and future land uses. Construction workers could be exposed to chemicals in surface and subsurface soils (0–2 feet below grade and 2–10 feet below grade, respectively) through incidental ingestion and dermal contact, and through inhalation of airborne contaminants emanating from soil. Groundwater in the study area is within approximately

10 feet of the ground surface. Direct contact with the deeper (saturated-zone) soils is assumed limited and, thus, direct contact with soils deeper than approximately 10 feet bgs will not be evaluated quantitatively. Such soils (i.e., the saturated-zone soils) will be evaluated qualitatively in the uncertainty analysis.

- *Industrial workers*—Industrial workers are plausible on-site adult receptors under current and future land uses. These receptors could be directly exposed to chemicals in surface soils (0–2 feet below grade) through incidental ingestion, dermal contact, and inhalation of airborne particulates and vapors emitted from the soil. Industrial-worker exposure to subsurface soil (2–10 feet below grade) is unlikely. Exposure to subsurface soil via incidental ingestion, dermal contact, and inhalation will, however, be evaluated for this receptor to aid in risk management decisions because future construction could potentially bring subsurface soils to the surface. This receptor is expected to be exposed to soils equally as often (but less intensely) than the construction worker.

- *Commercial land use receptors*—Commercial land use receptors (adults, adolescents, small children) include members of the general public, workers, and other expected users working at or patronizing a commercial facility. Commercial facilities include shopping centers, retail businesses, vehicle service stations, medical offices, hotels, office space, religious institutions, and restaurants. Such receptors may be exposed to possibly impacted surface soils (0-2 feet below grade) through incidental ingestion, dermal contact, and inhalation of chemicals emitted from soil to the air. To aid in future risk management decisions, we assumed that these receptors could also be exposed to contaminants in subsurface soil (2-10 feet below grade) because future construction could redistribute subsurface soil to the surface.

- *Child, adolescent, and adult recreational users*—Recreational users are potential receptors of study area contaminants. A recreational user may be exposed to possibly impacted surface soils (0–2 feet below grade) through incidental ingestion, dermal contact, and inhalation of chemicals emitted from soil to the air. To aid in future risk management decisions, recreational users were evaluated for risks to subsurface soil (2-10 feet below grade) because future construction could redistribute subsurface soil to the surface.

- *Future child, adolescent, and adult residents*—The hypothetical future residential scenario is typically evaluated in a risk assessment to facilitate risk management decisions. We assume that a hypothetical resident may be exposed to chemicals in surface soils (0–2 feet below grade) through ingestion, dermal contact, and inhalation of chemicals emitted from soil to air. To aid in risk management decisions, hypothetical residents will also be evaluated for risks posed by exposure to subsurface soil (2–10 feet below grade), since future construction could potentially redistribute subsurface soil to the surface.

3.2.2 Central-Tendency Exposure versus Reasonable Maximum Exposure

Traditionally, exposures evaluated in an HHRA were based on the concept of a reasonable maximum exposure (RME), defined as “the maximum exposure that is reasonably expected to occur at a site” (USEPA, 1989). Subsequent risk assessment guidance (USEPA, 1992) stipulates

the need address an average case or central-tendency exposure (CTE). However, in this HHRA, only the RME scenario was evaluated because the RME scenario is designed to estimate the reasonable maximum exposure likely to occur, is more conservative than the CTE scenario, and is typically the basis of risk management decision-making.

3.2.3 Exposure-Point Concentrations

EPC, calculated for COPC only (both site-related and naturally occurring) are estimates of chemical concentrations in an exposure unit (EU); EPCs are used to estimate exposure intakes. An EU is the area over which receptor activity is expected. The following paragraphs discuss the EUs that will be evaluated in the HHRA, and the guidelines for calculating EPCs.

Each tax block was evaluated as a single EU. However, hypothetical future residential and industrial worker exposures to impacted soils were also evaluated on a location-by-location basis to determine if a tax block has any significant contaminant "hot spots." The additional evaluation for the industrial worker was done because the future land use for the study area is most likely to be commercial/industrial. The additional evaluation for the hypothetical resident was conducted because this is the most sensitive and restrictive receptor (e.g., at some sites, exposure units as small as 0.25 acre have been selected for this receptor). The results of the location-by-location risk assessment are discussed in Section 4. The following guidelines were used to calculate EPCs for COPC concentrations in each tax block (or sub-area of a tax block):

- For soil data sets containing at least five samples, the 95% upper confidence-limit (UCL) on the arithmetic mean, which is based on the distribution of the data set, was selected as the EPC unless the UCL value exceeded the maximum detected concentration. In this case, the maximum detected concentration was used as the EPC. The maximum concentration was also used as the EPC if an insufficient number of detections (i.e., less than four positive detections in a data set) to calculate a 95% UCL were obtained, in accordance with USEPA guidance (USEPA, 2010c). Note that MDE guidance (State of Maryland, 2008) typically requires at least 10 samples to calculate UCLs. EPCs evaluated in the HHRA were based on data sets that included 10 or more samples for all COPC. The only exceptions are for cobalt and vanadium in Block G surface soil, and DRO in Block H subsurface soil. Uncertainty associated with the EPCs used for these parameters is discussed in Section 5.2. EPCs were calculated according to USEPA's *Calculating Upper Confidence-Limits for Exposure-Point Concentrations at Hazardous Waste Sites* (USEPA, 2002b) and using USEPA's *ProUCL* software (USEPA, 2010c).

- The sample quantitation-limit was used as an input for non-detects in USEPA's *ProUCL* software to calculate the 95% UCL in accordance with *ProUCL* guidance (USEPA, 2010c). Duplicates were averaged to calculate the EPC for COPC in soils in the study area.

- Naphthalene was selected as a global COPC for subsurface soil in both the VOC and PAH fractions. EPCs were calculated for naphthalene results included in both fractions. The greater EPC for naphthalene (in either the VOC or PAH fraction) was included in the quantitative risk assessment for each specific block. Uncertainty associated with this method is discussed in the uncertainty analysis.

In accordance with USEPA's *Integrated Exposure Uptake Biokinetic (IEUBK) Model* (USEPA, 1994, 2009b) and their Technical Review Workgroup's (TRW) *Adult Lead Model* (USEPA, 2003b), average lead concentrations were used to estimate blood-lead levels resulting from exposure to lead. This is because the first step in the model calculations is to develop a central estimate of blood-lead concentrations, which requires an "appropriate average concentration" for an individual. Table 3-25 summarizes EPCs used in this HHRA.

Tables 3-1 through 3-10 list the samples used to calculate EPCs, except for some BaPEq constituents results from a few historical samples. Several sampling locations were resampled for BaPEq constituents because historical sampling results had elevated detection limits for these compounds. The uncertainty analysis discusses the samples affected, the methodology for selecting sampling results, and the uncertainty associated with these particular BaPEq sampling results. The *RAGS Part D* tables for the EPCs are in Appendix D.

3.2.4 Chemical Intake Estimation

Methodologies and techniques for estimating exposure intakes are presented in this section. Intakes for the potential receptor groups identified were calculated using current MDE and USEPA risk assessment guidance and are presented in the risk assessment spreadsheets (see Appendix D). Exposure assumptions are presented in the *RAGS Part D* Table 4s and in Table 3-26.

Noncarcinogenic intakes are typically estimated using the concept of an average annual exposure. Carcinogenic intakes are calculated as an incremental lifetime-exposure, which assumes a life expectancy of 70 years. The exposure assumptions reflect current MDE guidance (State of Maryland, 2008). Most of the exposure assumptions used to estimate chemical intakes are based on default assumptions described in the MDE (State of Maryland, 2008) guidance

document, the primary guidance used to develop exposure assumptions. Several USEPA guidance documents (e.g., USEPA, 1989, 1991, 1993a, 1997a, 2004a) were also consulted, as necessary. The following paragraphs discuss receptor-specific exposure assumptions used in the risk assessment.

3.2.4.1 Incidental Ingestion of Soil

Direct physical contact with soil in the study area may result in the incidental ingestion of chemicals. Chemical intakes for the incidental ingestion of soil are estimated as follows (USEPA, 1989):

$$\text{Intake} = \frac{(C_s)(IR)(FI)(EF)(ED)(CF)}{(BW)(AT)}$$

where:

Intake	=	chemical intake from soil (mg/kg/day)
C_s	=	chemical concentration in soil (mg/kg)
IR	=	ingestion rate (mg/day)
FI	=	fraction ingested from contaminated source (dimensionless)
EF	=	exposure frequency (days/yr)
ED	=	exposure duration (yr)
CF	=	conversion factor (1×10^{-6} kg/mg)
BW	=	body weight (kg)
AT	=	averaging time (days) for noncarcinogens, AT = ED×365 days/yr for carcinogens, AT = 70 yr×365 days/yr

Most of the exposure assumptions used to estimate chemical intakes from incidental ingestion of soil are based on default assumptions described in the MDE guidance. They are summarized in Table 3-26. The following paragraph briefly discusses the receptor-specific exposure assumptions (for incidental ingestion of soil) used in the HHRA.

The exposure frequency assumptions selected consider anticipated receptor activities at the study area. We assume that construction workers assigned to future excavation projects in the study area would be exposed to soil for 250 days a year for one year. We also assume that the site recreational user would be exposed for 250 days/year, and that child/adolescent commercial receptors would be exposed 132 days/year (State of Maryland, 2008).

3.2.4.2 Dermal Contact with Soil

Direct physical contact with soil may result in dermal absorption of chemicals. Exposure associated with dermal contact with soil is estimated as follows (USEPA, 2004a):

$$\text{Intake} = \frac{(C_s)(SA)(AF)(ABS)(CF)(EF)(ED)}{(BW)(AT)}$$

where:

Intake	=	amount of chemical absorbed during contact with soil (mg/kg/day)
C_s	=	chemical concentration in soil/sediment (mg/kg)
SA	=	skin surface area available for contact (cm^2)
AF	=	skin adherence factor (mg/cm^2-event)
ABS	=	absorption factor (dimensionless)
CF	=	conversion factor (1×10^{-6} kg/mg)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (year)
BW	=	body weight (kg)
AT	=	averaging time (days) for noncarcinogens, AT = ED×365 days/year for carcinogens, AT = 70 years×365 days/year

Most of the exposure assumptions used to estimate chemical intakes from dermal contact with soil are based on the default assumptions described in the standard MDE guidance. They are summarized in Table 3-26. The following paragraph briefly discusses the receptor-specific exposure assumptions (for dermal contact with soil) used in the HHRA. The same exposure

frequencies and durations recommended for evaluating incidental ingestion of soil are used to estimate chemical intakes for dermal contact with soil.

The exposed skin surfaces of the body available for dermal contact with soils are determined on a receptor-specific basis, since they correspond with assumed human activities and clothing worn during exposure events. All of the skin surface areas presented in Table 3-26 are based on MDE default values, and most of these are also USEPA default values. For adolescent receptors, the skin surface area available for soil contact is set at 4,320 cm^2 (based on Maryland guidance; see State of Maryland, 2008).

For chemicals identified as COPC in soil, the chemical specific dermal absorption factors in *RAGS Part E* were used to evaluate the COPC for soil. USEPA Region 3 dermal guidance (USEPA Region 3, 2003a) was consulted if chemical specific absorption factors are not available in *RAGS Part* E. Dermal-absorption factors used in this risk assessment are presented in Table 3-27.

3.2.4.3 Inhalation of Air Containing Fugitive Dust/Volatiles Emitted from Soil

Intakes of both particulates and vapors/gases are calculated using the same equation, as follows (USEPA, 2009a):

$$EC = \frac{(C_{air})(ET)(EF)(ED)}{AT \times 24\ hrs/day}$$

where:

EC	=	exposure concentration (mg/m^3)
C_{air}	=	concentration of chemical in air (mg/m^3)
ET	=	exposure time (hours/day)
EF	=	exposure frequency (days/yr)
ED	=	exposure duration (yr)
AT	=	averaging time (days) for noncarcinogens, AT = ED×365 days/year for carcinogens, AT = 70 years×365 days/year

Most of the exposure assumptions used to estimate chemical intakes from inhalation of fugitive dusts/volatile emissions from surface and subsurface soils are based on default assumptions described in the Maryland guidance or the standard USEPA guidance and are summarized in Table 3-26. The same exposure frequencies and durations used to estimate incidental ingestion of soil intakes are used to estimate exposure via inhalation of fugitive dust/volatile emissions for surface and subsurface soils.

The concentrations of chemicals in air resulting from emissions from soil are developed following procedures presented in USEPA *Soil Screening Guidance* (USEPA, 2002a). The chemical concentration in air is calculated from:

$$C_{air} = C_{soil} \times \left[\frac{1}{PEF} + \frac{1}{VF} \right]$$

where:

C_{air} = chemical concentration in air, mg/m^3

C_s = chemical concentration in soil, mg/kg

PEF = particulate emission factor, m^3/kg

VF = volatilization factor, m^3/kg

The particulate emissions factor (PEF) relates the concentration of the chemical in soil to the concentration of dust particles in air. A PEF value of $3.23 \times 10^{+9}$ m^3/kg was obtained from USEPA's soil-screening Web site (http://rais.ornl.gov/epa/ssl1.shtml). This is the default value for Philadelphia, Pennsylvania, which is the closest city to the MRC listed on the web site. A separate PEF is used for the construction scenario because air emissions resulting from fugitive dust emissions at non-construction settings differ from dust emissions generated by construction. The PEF for construction workers ($1.43 \times 10^{+6}$ m^3/kg) was calculated using the equations presented in the supplemental SSL guidance document (USEPA, 2002a). Sample calculations showing how the PEFs were calculated are presented in Appendix D.

Ambient air concentrations resulting from the volatilization of COPC from soil are chemical dependent and are calculated using the following equation from USEPA's soil-screening guidance:

$$VF = \frac{Q/C \times (3.14 \times D_a \times T)^{0.5} \times 10^{-4} \ (m^2 / cm^2)}{(2 \times \rho_b \times D_a)}$$

and

$$D_a = \frac{[(\theta_a^{10/3} \times D_i \times H' + \theta_w^{10/3} \times D_w)/n^2]}{\rho_b \times K_d + \theta_w + \theta_a \times H'}$$

where:

VF = volatilization factor (m^3-air/kg-soil)

Q/C = inverse of the mean concentration at the center of source (gm/m^2-sec per kg/m^3)

D_a = apparent diffusivity, chemical specific, (cm^2/sec)

T = exposure interval, exposure-specific, (sec)

ρ_b = dry bulk-soil-particle density (g/cm^3)

θ_a = air-filled-soil porosity (L_{air}/L_{soil})

D_i = diffusivity in air, chemical specific, (cm^2/sec)

n = total soil porosity (L_{pore}/L_{soil})

θ_w = water-filled-soil porosity (L_{air}/L_{soil})

D_w = diffusivity in water, chemical specific, (cm^2/sec)

K_d = soil-water-partition coefficient, chemical specific

H’ = dimensionless Henry’s Law constant, chemical specific

Chemical properties were obtained from the current USEPA RSL table and are presented in Table 3-28. Input assumptions for the calculation of VF are in Table 3-29.

3.2.4.4 Assessing Cancer Risks from Early Life Exposures

USEPA's *Supplemental Guidance for Assessing Susceptibility from Early Life Exposure to Carcinogens* (USEPA, 2005b) recommends adjusting the toxicity of carcinogenic chemicals that act mutagenically when evaluating early life exposures to such contaminants. The guidance recommends using age-dependent adjustment factors (ADAFs) in concert with age-specific exposure estimates when assessing cancer risks. Absent chemical specific data, the supplemental guidance recommends the following default adjustments, which reflect that cancer risks are generally higher from early life exposures than from similar exposures later in life:

- for exposures before two years of age (i.e., spanning a two-year interval from the first day of birth until a child's second birthday), a 10-fold adjustment
- for exposures between age two and less than 16 years of age (i.e., spanning a 14-year time interval from a child's second birthday until their sixteenth birthday), a three-fold adjustment
- for exposures after reaching 16 years of age, no adjustment

These adjustments were applied using the same method as that used by USEPA to develop the RSLs. Children will be evaluated in two age groups: ages 0–2 and 2–6 years old. Adolescents will be evaluated as two age groups: 6–16 and 16–18 years old. Adults (except for the adult commercial receptor, industrial worker, and construction worker) will be evaluated as one age group (18–30 years old). (For the adult commercial and industrial receptors, the MDE default exposure-duration of 25 years was used. A one-year exposure duration was used for the construction worker. No ADAFs are applied to these receptors.) Using this approach, the intakes for child and adolescent commercial receptors; child, adolescent, and adult recreational users; and hypothetical child, adolescent, and adult residents are calculated as follows:

$$\text{Intake}_{\text{Child}} = \text{Intake}_{(\text{ages 0—2 years})} \times 10 + \text{Intake}_{(\text{ages 2—6 years})} \times 3$$

$$\text{Intake}_{\text{Adolescent}} = \text{Intake}_{(\text{age 6—16 years})} \times 3 + \text{Intake}_{(\text{age 16—18 years})} \times 1$$

$$\text{Intake}_{\text{Adult}} = \text{Intake}_{(\text{ages 18—30 years})} \times 1$$

This approach is used only for chemicals identified as mutagenic in the USEPA RSL screening table (e.g., BaPEq constituents, hexavalent chromium).

Risks to receptors involving different age groups are sums of the cancer risks calculated for individual children, adolescents, and adult receptors. Therefore, lifelong cancer risks from chemicals that act via the mutagenic pathway are assessed through the lifelong recreational user, lifelong commercial receptor, and lifelong resident receptor scenarios. Note that "lifelong" cancer risks for commercial receptors were evaluated by summing the child and adolescent receptors only, since the MDE default exposure duration of 25 years was used for the adult commercial receptor, as explained above.

3.2.4.5 Exposure to Lead

The equations and methodology presented in the previous section cannot be used to evaluate exposure to lead because of the absence of published dose-response parameters. Thus, exposure to lead was assessed using the following models:

- the latest version of USEPA's *IEUBK Model for Lead*, (USEPA, 2009b), a model typically used to evaluate lead exposure assuming a residential land use scenario
- USEPA's *TRW Model for Lead* (USEPA, January 2003b; model version date: 06/21/2009), a model typically used to evaluate lead exposure assuming a non-residential land use scenario

The IEUBK model for lead (USEPA, 1994, 2009b) is designed to estimate blood levels of lead in children under seven, based on either default or site-specific input values for air, drinking water, diet, dust, and soil exposure. Studies indicate that infants and young children are extremely susceptible to adverse effects from exposure to lead. Considerable behavioral and developmental impairments have been noted in children with elevated blood lead levels. The threshold for toxic effects from this chemical is believed to be in the range of 10–15 micrograms per deciliter (µg/dL). Blood lead levels greater than 10 µg/dL are considered a "concern."

The IEUBK model for lead is used to address exposure to lead in children when detected soil concentrations exceed the OSWER soil screening level of 400 mg/kg for residential land use (USEPA, 1994). Average chemical concentrations, as well as default parameters for some input parameters, are used in the evaluation. Lead concentrations in soil data sets for each tax block are evaluated qualitatively in Section 4 to determine if using the IEUBK model would be necessary in the HHRA.

Non-residential adult exposures to lead in soil are evaluated using USEPA's TRW model for lead (USEPA, 2003a, 2009c). In this model, adult exposure to lead in soil is addressed by evaluating the relationship between lead concentration in site soil and the blood lead concentration in the developing fetuses of adult women. The adult lead model generates a spreadsheet for each exposure scenario evaluated (i.e., industrial, recreational). The spreadsheet output is the probability that blood lead concentrations in the fetus will exceed 10 µg/dL. That probability is calculated in accordance with the following USEPA guidelines:

- *Use of the TRW Interim Adult Lead Methodology in Risk Assessment* (USEPA, 1999)
- *Frequently Asked Questions (FAQs) on the Adult Lead Model* (USEPA, 2010b)

Lead concentrations in soil data sets for each tax block are evaluated qualitatively in Section 4 to determine if using the adult lead model would be necessary in the HHRA.

No models are currently available to evaluate periodic exposure of adolescent receptors to lead. Therefore, the results of the IEUBK model for children are used to qualitatively assess this receptor's exposure risk. If the evaluation in Section 4 determines that using the IEUBK model for lead is necessary for the study area, a qualitative discussion for adolescent exposures to lead in soil will assert that potential adverse effects from exposure to lead are expected to be of lesser magnitude for adolescent receptors than for young children.

3.2.4.6 Summary of Exposure Parameters

Table 3-26 summarizes exposure input-parameters for all exposure pathways for identified potential receptor groups in the study area. In general, standard default parameters from MDE guidance (State of Maryland, 2008) or USEPA guidance (e.g., USEPA, 1989, 1991, 1997a, 2004a), which combine mid-range and upper-end exposure factors, were used to assess RME conditions. Central-tendency exposure was not assessed in this HHRA.

3.3 TOXICITY ASSESSMENT

The toxicity assessment seeks to identify potential adverse health effects in exposed populations. Quantitative estimates of the relationship between the magnitude and type of exposures and the severity or probability of human health effects are defined for the identified constituents of concern (see Tables 3-30 through 3-33). Quantitative toxicity values determined during this

component of the risk assessment are integrated with exposure-assessment outputs to characterize the potential occurrence of adverse health effects for each receptor group.

The reference dose (RfD) is the toxicity value used to evaluate noncarcinogenic health effects for ingestion and dermal exposures. The reference concentration (RfC) is used to evaluate noncarcinogenic health effects for inhalation exposures. The RfD and RfC estimate a daily exposure level for a human population that is unlikely to pose an appreciable risk during a portion or for all of a human lifetime. It is based on a review of animal and/or human toxicity data with adjustments for various data uncertainties. Carcinogenic effects are quantified using the cancer slope-factor (CSF) for ingestion and dermal exposures, and using inhalation-unit risks (IURs) for inhalation exposure that are plausible upper-bound estimates of the probability of developing cancer per unit intake of the chemical over a lifetime. These are typically based on dose-response data from human and/or animal studies.

3.3.1 Toxicity Criteria for Oral and Inhalation Exposures

Oral RfDs and CSFs and inhalation RfCs and IURs used in the risk assessment of the study area were obtained from the following primary USEPA sources (USEPA, 2003c):

- ***IRIS*—**USEPA's "Integrated Risk Information System" online database
- ***USEPA's* Provisional Peer Reviewed Toxicity Values *(PPRTVs)*—**USEPA's Office of Research and Development/National Center for Environmental Assessment (NCEA) Superfund Health Risk Technical Support Center develops chemical specific PPRTVs when requested by USEPA's Superfund program
- ***Other toxicity values*—**These sources include, but are not limited to, California Environmental Protection Agency (Cal/EPA) toxicity values, federal Agency for Toxic Substances and Disease Registry (ATSDR) values, and USEPA's *Annual Health Effects Assessment Summary Tables* (HEAST) (USEPA, 1997b)

Although toxicity criteria can be found in several toxicological sources, USEPA's *IRIS* online database is the preferred source of toxicity values. This database is continuously updated and its values are verified by USEPA.

3.3.2 Toxicity Criteria for Dermal Exposure

RfDs and CSFs in the scientific literature are typically expressed as "administered" (i.e., not absorbed) doses. Therefore, these values are considered inappropriate for estimating risks

associated with dermal exposures without adjustment to account for incomplete absorption. Oral dose-response parameters based on administered doses must be adjusted to absorbed doses before they can be compared to estimated dermal-exposure intakes.

When oral absorption is essentially complete (i.e., 100%), an absorbed dose is equivalent to the administered dose, so no toxicity adjustment is necessary. Conversely, when the gastrointestinal absorption of a chemical is poor (e.g., 1%), the absorbed dose is smaller than the administered dose; thus, toxicity factors based on absorbed dose should be adjusted to account for the difference in the absorbed dose relative to the administered dose. USEPA (2004a) recommends a 50% absorption cut-off to reflect the intrinsic variability in analyzing absorption studies. Therefore, the adjustment from administered to absorbed dose was only performed when the chemical specific gastrointestinal-absorption efficiency was less than 50%. The adjustment from administered to absorbed dose was made using chemical specific gastrointestinal-absorption efficiencies published in numerous sources of guidance (e.g., USEPA 2004a [the primary reference], *IRIS*, ATSDR toxicological profiles, etc.), using the following equations:

$$RfD_{dermal} = (RfD_{oral})(ABS_{GI})$$

$$CSF_{dermal} = (CSF_{oral}) \ / \ (ABS_{GI})$$

where:

ABS_{GI}	=	absorption efficiency in the gastrointestinal tract
RfD_{dermal}	=	reference dose for dermal exposures
RfD_{oral}	=	reference dose for oral exposures
CSF_{dermal}	=	cancer slope-factor for dermal exposures
CSF_{oral}	=	cancer slope-factor of oral exposures

As noted, the preceding adjustment of the oral-toxicity criteria (i.e., reference doses, cancer slope-factors) is necessary so that the dermal route of exposure may be quantitatively evaluated in the baseline risk assessment. Further explanation of this procedure and its necessity are presented in Appendix A of USEPA *RAGS Part A.*

3.3.3 Inhalation Toxicity Values for Construction Workers

Under the guidelines established by the Superfund program, exposures to construction workers of one year or less are classified as subchronic exposures. Risks for noncarcinogenic effects associated with subchronic exposures should incorporate toxicity values for subchronic and not chronic effects. Table 3-31 displays the available subchronic RfCs that were used for the construction worker. Uncertainty associated with the lack of subchronic RfCs for many chemicals is discussed in Section 5.3.

3.3.4 Chromium Toxicity

Toxicity criteria are available for different forms of chromium, which is considered more toxic in the hexavalent state. In the USEPA's most recent RSL table, hexavalent chromium is listed as a carcinogen that has been determined to act "mutagenically" and the corresponding RSL for residential soil is less than 1 mg/kg. USEPA's *Guidelines for Carcinogen Risk Assessment* (USEPA, 2005a) and *Supplemental Guidance on Assessing Susceptibility from Early Life Exposure to Carcinogens* (USEPA, 2005b) specify the use of ADAFs for carcinogens, such as chromium, that act mutagenically. In contrast, the RSL for residential soil for trivalent chromium (not listed as a carcinogen/mutagen) is 120,000 mg/kg. The following table provides the number of hexavalent chromium and total chromium samples collected for each block:

Tax block	Medium	Number of hexavalent chromium results	Number of total chromium results
Block D	SS	15	29
	SB	60	90
Block E	SS	0	29
	SB	0	54
Block F	SS	8	32
	SB	2	35
Block G	SS	0	14
	SB	5	24
Block H	SS	1	11
	SB	5	22

The table shows that a limited number of environmental samples collected for Tax Blocks E, F, G, and H were analyzed for hexavalent chromium. However, a number of samples from Block D were also analyzed for hexavalent chromium. Hexavalent chromium was selected as a COPC for surface soil and subsurface soil.

The limited number of hexavalent chromium results available for the tax blocks led to risks associated with chromium being assessed under the assumption that 5% of the reported total chromium result in soil can be attributed to hexavalent chromium. This assumption is based on the available analytical results of total and hexavalent chromium concentrations in study area soil. Using 5% of the total chromium concentration as the hexavalent chromium concentration is conservative, since available hexavalent chromium results in the study area soil indicate that hexavalent chromium, when detected, is most often much less than 5% of the total chromium result in soil.

As discussed in the uncertainty section, this overestimates the risks of exposure to chromium, but does not affect overall HHRA conclusions. No chemical-specific ADAFs have been derived for hexavalent chromium; therefore, the following default ADAFs were used: 10 for ages 0–2, 3 for ages 2–16, and 1 (no adjustment) for ages 16–70. These ADAFs were used to evaluate exposures to hexavalent chromium for commercial receptors, recreational users, and hypothetical residents using the approach presented in Section 3.2.4.4.

3.3.5 Toxicity of PCBs

The HHRA for PCBs was conducted per the guidance presented in USEPA's *PCBs: Cancer Dose Response Assessment and Application to Environmental Mixtures* (National Center for Environmental Assessment, Office of Research and Development, USEPA, Washington, D.C., EPA/600/P-96/001F, September 1996b). This guidance presents a tiered approach to assessing the risks of PCBs. A range of CSFs for PCBs is presented for use in HHRA according to criteria that consider the environmental media under investigation, the type of exposure, and the anticipated persistence, bioaccumulation potential, and toxicity of PCB homologues/congeners detected in the samples.

3.3.6 Toxicity Criteria for the Carcinogenic Effects of PAHs

Limited toxicity values are available to evaluate the potential carcinogenic effects from exposure to PAHs. Benzo(a)pyrene is the most extensively studied PAH and the USEPA has published a cancer slope factor for this PAH in its Integrated Risk Information System (USEPA, 1993b). However, cancer slope factors have not been published in IRIS for other PAH compounds. Alternatively, for a sub-set of related PAH chemicals (benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a)anthracene, indeno(1,2,3-cd)pyrene), USEPA recommends that risk evaluations be conducted using the toxicity-equivalency factors (TEFs) that are used by the Agency to relate the potency of each of these PAHs to that of benzo(a)pyrene (USEPA, 1993b). Specifically, the TEFs are used to convert the individual PAH concentrations into an equivalent concentration of benzo(a)pyrene, referred to as the benzo(a)pyrene equivalent concentration (BaPEq). For example, the TEF currently used by the USEPA to develop the screening levels presented for chrysene in the USEPA Regional Screening Level table is 0.001 (USEPA, 2011, USEPA, 1993). Consequently, if the detected chrysene concentration in a sediment sample is 10,000 µg/kg, the benzo(a)pyrene equivalent concentration is 10 µg/kg. If benzo(a)pyrene and chrysene were the only PAHs detected in a sample and each was detected at 10,000 µg/kg, the associated benzo(a)pyrene equivalent concentration (based on positive detections only) would be 10,010 µg/kg (10,000 µg/kg for benzo(a)pyrene and 10 µg/kg for chrysene). This equivalent concentration, calculated for each sample, is then further evaluated in the risk assessment.

As discussed above, USEPA's *Guidelines for Carcinogen Risk Assessment* (USEPA, 2005a) and *Supplemental Guidance for Assessing Susceptibility from Early Life Exposure to Carcinogens* (USEPA, 2005b) specify the use of ADAFs for carcinogens that act mutagenically. BaPEq constituents are included in the group of chemicals determined to act mutagenically. No chemical specific ADAFs have been derived for BaPEq; therefore, the following default ADAFs were used: 10 for ages 0–2, 3 for ages 2–16, and 1 (no adjustment) for ages 16–70. These ADAFs are used to evaluate exposures to BaPEq for commercial receptors, recreational users, and hypothetical residents using the approach presented in Section 3.2.4.4.

3.4 RISK CHARACTERIZATION

This section presents the methodology used to characterize risk. Potential risks (noncarcinogenic and carcinogenic) for human receptors from exposures (as outlined in the exposure assessment) are quantitatively determined in Section 4.

3.4.1 Quantitative Analysis of Constituents Other Than Lead

Quantitative estimates of risk for chemicals other than lead are calculated according to risk assessment methods outlined in USEPA guidance (USEPA, 1989). Lifetime cancer risks are expressed in the form of dimensionless probabilities referred to as ILCRs, based on CSFs and IURs. Noncarcinogenic risk estimates are presented in the form of HQs, which are determined by comparing intakes against published RfDs and RfCs. ILCR estimates for ingestion and dermal exposures were generated for each COPC using estimated exposure intakes and published CSFs, as follows:

$$\text{ILCR} = (\text{Estimated Exposure Intake})(\text{CSF})$$

If the equation above produces an ILCR greater than 0.01, the following equation was used:

$$\text{ILCR} = 1\text{-}[\exp(\text{-Estimated Exposure Intake})(\text{CSF})]$$

ILCR estimates of inhalation exposures are generated for each COPC using estimated exposure concentrations and published IURs, as follows:

$$\text{ILCR} = (\text{IUR})(\text{Exposure Concentration})(1000\ \mu\text{g/mg})$$

An ILCR of 1×10^{-6} indicates that the exposed receptor has a one in a million chance of developing cancer under the defined exposure scenario. Alternatively, such a risk may be interpreted as representing one additional case of cancer in an exposed population of one million persons.

Noncarcinogenic risks will be assessed using the concept of HQs and hazard indices (HIs). The HQ for a COPC is the ratio of the estimated intake to the RfD, and is calculated for ingestion and dermal exposures as follows:

$$\text{HQ} = (\text{Estimated Exposure Intake})/(\text{RfD})$$

For inhalation exposures, the HQ is calculated as follows:

$$HQ = (\text{Exposure Concentration})/(\text{RfC})$$

An HI was generated by summing the individual HQs for all COPC. The HI is not a mathematical prediction of the severity of toxic effects and therefore is not a true probabilistic "risk;" it is simply a numerical indicator of the possibility of the occurrence of noncarcinogenic (threshold) effects.

3.4.2 Interpretation of Risk Assessment Results

To interpret the quantitative risk estimates and aid risk managers in determining the need for remediation, quantitative risk estimates are compared to typical MDE and USEPA risk benchmarks. Calculated ILCRs are interpreted using the MDE risk benchmark (1×10^{-5}) for cumulative risk and USEPA's target cancer-risk range (1×10^{-4} to 1×10^{-6}); HIs are evaluated using a value of 1.0. Current USEPA policy regarding lead exposures is to limit the childhood risk of exceeding a 10 µg/dL blood lead level to 5%.

USEPA defines the range of 1×10^{-4} to 1×10^{-6} as the ILCR target range for hazardous waste facilities addressed under the federal Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Resource Conservation and Recovery Act (RCRA). Individual or cumulative ILCRs greater than 1×10^{-4} are generally considered "unacceptable" by USEPA. Risk management decisions are necessary when the ILCR is within 1×10^{-4} to 1×10^{-6}. USEPA typically does not require remediation when the cumulative ILCR is less than 1×10^{-6}. Similarly, cumulative ILCRs greater than 1×10^{-5} are generally considered "unacceptable" by MDE; remediation may or may not be necessary when the cumulative ILCR exceeds 1×10^{-5}.

An HI exceeding unity (1.0) indicates that noncarcinogenic health risks may be associated with exposure. If an HI exceeds unity, target-organ effects associated with exposure to COPC are considered. Only those HQs for chemicals affecting the same target organ(s) or exhibiting similar critical effect(s) are regarded as truly additive. Consequently, the cumulative HI could exceed 1.0, but no adverse health effects would be anticipated unless the COPC affect the same target organ or exhibit the same critical effect (i.e., unless target-organ/critical-effect-specific HIs exceed 1).

As a general guideline, a "no further action" recommendation is forwarded to MDE whenever the cancer risk estimates and total HIs (estimated on a target-organ/target-effect basis) for receptors of concern are less than 1×10^{-5} and 1, respectively, and when risks associated with lead exposure are below the USEPA risk benchmark. Otherwise, in most cases, the need for remedial action (including institutional controls) will be evaluated in a feasibility study (FS). However, the 1×10^{-5} risk benchmark should not be viewed as a discrete limit. Risks slightly greater than 1×10^{-5} may be considered "acceptable" (i.e., protective) if justified by site-specific conditions, including any uncertainties about the nature and extent of contamination and associated risks. Consequently, a "no further action" recommendation may be forwarded to MDE risk managers for review and discussion when the 1×10^{-5} risk benchmark is exceeded. Those reviews and discussions may affect the analyses in the FS. The following factors were considered in making this determination:

- the magnitude of the media-specific risk estimates
- significant uncertainties in the baseline HHRA that would overestimate baseline risk assessment results
- significant uncertainties in EPC estimates that would overestimate baseline risk assessment results

3.4.3 Refined Evaluation of Chemical Migration from Soils to Groundwater

COPC for migration from soils to groundwater were selected as detailed in Section 3.1. However, a more refined evaluation of the potential for such migration is included in Section 4 and is based on the following considerations:

- Does the maximum detected soil concentration exceed the groundwater-protection screening criterion at a DAF of 20?
- Does the mean of positive detections in soil exceed the groundwater-protection screening criterion at a DAF of 20?
- What is the frequency of detections exceeding the groundwater-protection screening criterion at a DAF of 20?
- Was the chemical selected as a COPC in groundwater?

- Does the maximum concentration in groundwater exceed the federal Safe Drinking Water Act (SDWA) maximum contaminant level (MCL)?

- What is the frequency of detections in groundwater exceeding the MDE screening level for groundwater or the USEPA RSL for tap water (based on an ILCR of 1×10^{-6} or an HI of 1)?

- What is the frequency of detections in groundwater exceeding 10 times the USEPA RSL for tap water (based on an ILCR of 1×10^{-6} or an HI of 1)?

These factors are considered when selecting COC for groundwater protection. Chemicals selected as COPC for migration from soil to groundwater in the initial screening were not retained as COC if any of the following was true:

- The maximum soil concentration is less than the groundwater-protection criteria based on a DAF of 20.

  ***Rationale*:** As mentioned previously, a DAF of 1 is conservative; a DAF of 20 is assumed more accurate at most sites. Note that the MDE groundwater-protection criteria are based on a DAF of 20 and the USEPA SSLs for groundwater protection are based on a DAF of 1. The USEPA SSLs were adjusted (i.e., multiplied by 20) for this evaluation.

- The frequency of detections greater than the groundwater-protection screening-criterion at a DAF of 20 is less than 5% (when at least 20 samples are included in the data set and no contamination "hot spot" is present). A "hot spot" is defined as a concentration that exceeds twice the screening criterion at a DAF of 20.

  ***Rationale*:** Chemicals are unlikely to pose risks to water quality through leaching from soil to groundwater if they are detected infrequently (i.e., less than 5%) in soil.

- The chemical was not selected as a COPC in groundwater.

  ***Rationale*:** If a chemical was not selected as a COPC in site groundwater, the data do not indicate that water quality has been adversely affected. This is an important consideration, because the contamination events in the study area are presumed to have occurred more than 40 years ago. Thus, given the passage of time, groundwater concentrations likely reflect the potential for chemical migration from soils to groundwater.

- The maximum concentration in groundwater is less than the SDWA MCL.

  ***Rationale*:** SDWA MCLs are federally enforceable drinking-water standards. Concentrations of chemicals in groundwater less than their corresponding SDWA MCLs indicate that groundwater has not been adversely affected.

- The frequency of detections greater than the MDE groundwater screening-level or the USEPA tap water RSL is less than 5% (when at least 20 samples are included in the data

set and no contamination “hot spot” is present). A “hot spot” is defined as a concentration twice the MDE groundwater screening-level or USEPA tap water RSL.

***Rationale*:** Chemicals are unlikely to pose risks to water quality through leaching from soil to groundwater if they are detected infrequently (i.e., less than 5%) in groundwater.

Table 3-1

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Site-Wide Phase II Investigation Samples (2004)			
SB-031	SB-31A-SS	0	0
SB-032	SB-32A-SS	0	0
SB-033	SB-33A-SS	0	0
SB-057	SB-57-SS	0	0
SB-058	SB-58-SS	0	0
SB-059	SB-59-SS	0	0
SB-060	SB-60-SS	0	0
SB-061	SB-61-SS	0	0
SB-062	SB-62-SS	0	0
SB-063	SB-63-SS	0	0
SB-064	SB-64-SS	0	0
SB-065	SB-65-SS	0	0
SB-066	SB-66-SS	0	0
SB-067	SB-67-SS	0	0
Phase II Soil Investigation Samples (Summer 2005)			
SB-239	SB-239-SS[6]	0.5	0.5
SB-239	SB-239-SS[12]	1	1
SB-239	SB-239-SS[18]	1.5	1.5
SB-240	SB-240-SS[6]	0.5	0.5
SB-240	SB-240-SS[12]	1	1
SB-240	SB-240-SS[18]	1.5	1.5
SB-241	SB-241-SS[6]	0.5	0.5
SB-241	SB-241-SS[12]	1	1
SB-241	SB-241-SS[18]	1.5	1.5
SB-242	SB-242-SS[6]	0.5	0.5
SB-242	SB-242-SS[12]	1	1
SB-242	SB-242-SS[18]	1.5	1.5
SB-243	SB-243-SS[6]	0.5	0.5
SB-243	SB-243-SS[12]	1	1
SB-243	SB-243-SS[18]	1.5	1.5
Final Soil Delineation Samples (Fall 2009)			
SB-057	F-SB-57RE-1	1	1
SB-057	F-SB-57RE-2	2	2
SB-057	F-SB-57RE-2-D	2	2
SB-058	F-SB-58RE-1	1	1
SB-058	F-SB-58RE-2	2	2
SB-058A	F-SB-58REA-2	2	2
SB-058A	F-SB-58REA-2-D	2	2
SB-058B	F-SB-58REB-2	2	2
SB-058C	F-SB-58REC-2	2	2
SB-058D	F-SB-58RED-2	2	2
SB-060	D-SB-60RE-1	1	1
SB-060	D-SB-60RE-2	2	2
SB-060A	D-SB-60REA-1	1	1

Table 3-1

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-060B	D-SB-60REB-1	1	1
SB-060C	D-SB-60REC-1	1	1
SB-060D	D-SB-60RED-1	1	1
SB-061	D-SB-61RE-1	1	1
SB-061	D-SB-61RE-2	2	2
SB-061	D-SB-61RE-2-D	2	2
SB-061A	D-SB-61REA-1	1	1
SB-061B	D-SB-61REB-1	1	1
SB-061C	D-SB-61REC-1	1	1
SB-061D	D-SB-61RED-1	1	1
SB-062	D-SB-62RE-1	1	1
SB-062	D-SB-62RE-2	2	2
SB-062A	D-SB-62REA-1	1	1
SB-062B	D-SB-62REB-1	1	1
SB-062C	D-SB-62REC-1	1	1
SB-062D	D-SB-62RED-1	1	1
SB-063	D-SB-63RE-1	1	1
SB-063	D-SB-63RE-2	2	2
SB-063	D-SB-63RE-2-D	2	2
SB-063A	D-SB-63REA-2	2	2
SB-063B	D-SB-63REB-2	2	2
SB-063C	D-SB-63REC-2	2	2
SB-063D	D-SB-63RED-2	2	2
SB-065	D-SB-65RE-1	1	1
SB-065	D-SB-65RE-2	2	2
SB-066	D-SB-66RE-1	1	1
SB-066	D-SB-66RE-2	2	2
SB-066A	D-SB-66REA-2	2	2
SB-066B	D-SB-66REB-2	2	2
SB-066C	D-SB-66REC-2	2	2
SB-066D	D-SB-66RED-2	2	2
SB-239	D-SB-239RE-2	2	2
SB-239	D-SB-239RE-2-D	2	2
SB-240	D-SB-240RE-1	1	1
SB-240	D-SB-240RE-2	2	2
SB-240A	D-SB-240REA-1	1	1
SB-240B	D-SB-240REB-1	1	1
SB-240C	D-SB-240REC-1	1	1
SB-240D	D-SB-240RED-1	1	1
SB-243	D-SB-243RE-1	1	1
SB-243	D-SB-243RE-2	2	2
SB-243A	D-SB-243REA-2	2	2
SB-243B	D-SB-243REB-2	2	2
SB-243C	D-SB-243REC-2	2	2
SB-243D	D-SB-243RED-2	2	2

Table 3-1

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-592	D-SB-592-2	2	2
SB-592A	D-SB-592A-2	2	2
SB-592B	D-SB-592B-2	2	2
SB-592D	D-SB-592D-2	2	2
SB-593	D-SB-593-2	2	2
SB-594	D-SB-594-2	2	2
SB-595	D-SB-595-2	2	2
Data Gap Investigation Samples (Fall 2010)			
SB-766	D-SB-766-SS	0	1
SB-767	D-SS-767-01	0	1
SB-768	D-SS-768-01	0	1
SB-769	D-SS-769-01	0	1
SB-770	D-SS-770-01	0	1
SB-771	D-SB-771-SS	0	1
SB-772	D-SS-772-01	0	1
SB-773	D-SS-773-01	0	1
SB-774	D-SB-774-SS	0	1
SB-775	D-SS-775-01	0	1
SB-776	D-SS-776-01	0	1
SB-777	D-SB-777-SS	0	1
SB-778	D-SS-778-01	0	1
SB-779	D-SS-779-01	0	1
SB-780	D-SS-780-01	0	1
SB-781	D-SS-781-01	0	1
SB-782	D-SS-782-01	0	1
SB-783	D-SS-783-01	0	1
SB-784	D-SS-784-01	0	1
SB-785	D-SS-785-01	0	1
SB-786	D-SS-786-01	0	1
SB-787	D-SS-787-01	0	1
SB-788	D-SB-788-SS	0	1
SB-789	D-SB-789-SS	0	1
SB-790	D-SB-790-SS	0	1
SB-791	D-SB-791-SS	0	1
SB-792	D-SB-792-SS	0	1
SB-793	D-SB-793-SS	0	1
SB-794	D-SB-794-SS	0	1
SB-795	D-SB-795-SS	0	1
SB-796	D-SB-796-SS	0	1

Table 3-2

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Site-Wide Phase II Investigation Samples (2004)			
SB-001	SB-1A-SS	0	0
SB-002	SB-2A-01	1	1
SB-003	SB-3A-SS	0	0
SB-004	SB-4A-SS	0	0
SB-005	SB-5A-SS	0	0
SB-006	SB-6A-SS	0	0
SB-035	SB-35-SS	0	0
SB-036	SB-36-SS	0	0
SB-041	SB-41S-SS	0	0
SB-042	SB-42S-SS	0	0
SB-169	SB-169-SS	0	0
Phase II Soil Investigation Samples (Summer 2005)			
SB-004	SB-04B-01	1	1
SB-232	SB-232-SS	0	0
SB-232	SB-232-01	1	1
SB-233	SB-233-SS	0	0
SB-233	SB-233-01	1	1
SB-234	SB-234-SS	0	0
SB-234	SB-234-01	1	1
SB-235	SB-235-SS	0	0
SB-235	SB-235-01	1	1
Additional Soil Characterization Samples (Fall 2007)			
SB-345	SB-345-0001	0	1
SB-346	SB-346-0001	0	1
SB-347	SB-347-0001	0	1
SB-348	SB-348-0001	0	1
SB-349	SB-349-0001	0	1
SB-350	SB-350-0001	0	1
SB-351	SB-351-0001	0	1
SB-352	SB-352-0001	0	1
SB-353	SB-353-0001	0	1
SB-354	SB-354-0001	0	1
SB-355	SB-355-0001	0	1
SB-356	SB-356-0001	0	1
SB-357	SB-357-0001	0	1
SB-358	SB-358-0001	0	1
SB-359	SB-359-0001	0	1
SB-360	SB-360-0001	0	1
SB-361	SB-361-0001	0	1
SB-362	SB-362-0001	0	1
SB-363	SB-363-0001	0	1
SB-364	SB-364-0001	0	1
SB-500	SB-500-0001	0	1
SB-501	SB-501-0001	0	1

Table 3-2

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-502	SB-502-0001	0	1
SB-503	SB-503-0001	0	1
SB-503	SB-503-0001-D	0	1
SB-504	SB-504-0001	0	1
SB-505	SB-505-0001	0	1
SB-506	SB-506-0001	0	1
SB-506	SB-506-0001-D	0	1
SB-507	SB-507-0001	0	1
SB-508	SB-508-0001	0	1
SB-509	SB-509-0001	0	1
SB-510	SB-510-0001	0	1
SB-511	SB-511-0001	0	1
SB-512	SB-512-0001	0	1
SB-513	SB-513-0001	0	1
SB-514	SB-514-0001	0	1
SB-515	SB-515-0001	0	1
SB-516	SB-516-0001	0	1
SB-517	SB-517-0001	0	1
SB-518	SB-518-0001	0	1
SB-519	SB-519-0001	0	1
SB-520	SB-520-0001	0	1
SB-521	SB-521-0001	0	1
SB-522	SB-522-0001	0	1
SB-523	SB-523-0001	0	1
SB-524	SB-524-0001	0	1
SB-525	SB-525-0001	0	1
SB-526	SB-526-0001	0	1
SB-527	SB-527-0001	0	1
SB-528	SB-528-0001	0	1
SB-529	SB-529-0001	0	1
SB-530	SB-530-0001	0	1
SB-531	SB-531-0001	0	1
SB-532	SB-532-0001	0	1
SB-533	SB-533-0001	0	1
SB-534	SB-534-0001	0	1
SB-535	SB-535-0001	0	1
SB-536	SB-536-0001	0	1
SB-537	SB-537-0001	0	1
SB-538	SB-538-0001	0	1
SB-539	SB-539-0001	0	1
SB-540	SB-540-0001	0	1
Supplemental Soil Investigation Samples (Fall 2008)			
SB-541	SB-541-SS0-0.5	0	0.5
SB-541	SB-541-SS0.5-1	0.5	1
SB-541	SB-541-2	2	2

Table 3-2

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-541A	SB-541A-SS[SJ]	0	0
SB-541A	SB-541A-SS0-0.5	0	0.5
SB-541A	SB-541A-SS0.5-1	0.5	1
SB-542	SB-542-SS0-0.5	0	0.5
SB-542	SB-542-SS0.5-1	0.5	1
SB-542	SB-542-2	2	2
SB-543	SB-543-SS0-0.5	0	0.5
SB-543	SB-543-SS0.5-1	0.5	1
SB-543	SB-543-2	2	2
SB-543A	SB-543A-SS[SJ]	0	0
SB-543A	SB-543A-SS0-0.5	0	0.5
SB-543A	SB-543A-SS0.5-1	0.5	1
SB-543A	SB-543A-2	2	2
SB-544	SB-544-SS0-0.5	0	0.5
SB-544	SB-544-SS0.5-1	0.5	1
SB-544	SB-544-2	2	2
SB-544A	SB-544A-SS[SJ]	0	0
SB-544A	SB-544A-SS0-0.5	0	0.5
SB-544A	SB-544A-SS0.5-1	0.5	1
SB-545	SB-545-SS0-0.5	0	0.5
SB-545	SB-545-SS0.5-1	0.5	1
SB-546	SB-546-SS0-0.5	0	0.5
SB-546	SB-546-SS0-0.5-D	0	0.5
SB-546	SB-546-SS0.5-1-D	0.5	1
SB-546	SB-546-SS0.5-1	0.5	1
SB-546	SB-546-2	2	2
SB-546	SB-546-2-D	2	2
SB-546A	SB-546A-SS[SJ]	0	0
SB-546A	SB-546A-SS0-0.5	0	0.5
SB-546A	SB-546A-SS0.5-1	0.5	1
SB-547	SB-547-SS0-0.5	0	0.5
SB-547	SB-547-SS0.5-1	0.5	1
SB-547	SB-547-2	2	2
SB-548	SB-548-SS0-0.5	0	0.5
SB-548	SB-548-SS0-0.5-D	0	0.5
SB-548	SB-548-SS0.5-1-D	0.5	1
SB-548	SB-548-SS0.5-1	0.5	1
SB-548	SB-548-2	2	2
SB-548	SB-548-2-D	2	2
SB-549	SB-549-SS0-0.5	0	0.5
SB-549	SB-549-SS0.5-1	0.5	1
SB-549	SB-549-2	2	2
SB-549	SB-549-2-D	2	2
SB-550	SB-550-SS0-0.5	0	0.5
SB-550	SB-550-SS0.5-1	0.5	1

Table 3-2

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-550	SB-550-2	2	2
SB-550A	SB-550A-SS[SJ]	0	0
SB-550A	SB-550A-SS0-0.5	0	0.5
SB-550A	SB-550A-SS0.5-1	0.5	1
SB-550A	SB-550A-2	2	2
SB-551	SB-551-SS0-0.5	0	0.5
SB-551	SB-551-SS0.5-1	0.5	1
SB-551	SB-551-2	2	2
SB-552	SB-552-SS0-0.5	0	0.5
SB-552	SB-552-SS0.5-1	0.5	1
SB-552	SB-552-2	2	2
SB-553	SB-553-SS0.5-1	0.5	1
SB-553	SB-553-2	2	2
SB-554	SB-554-SS0.5-1	0.5	1
SB-554	SB-554-2	2	2
SB-555	SB-555-SS0-0.5	0	0.5
SB-555	SB-555-SS0.5-1	0.5	1
SB-555	SB-555-2	2	2
SB-556	SB-556-SS0-0.5	0	0.5
SB-556	SB-556-SS0.5-1	0.5	1
SB-556	SB-556-2	2	2
SB-557	SB-557-SS0-0.5	0	0.5
SB-557	SB-557-SS0.5-1	0.5	1
SB-557	SB-557-2	2	2
SB-558	SB-558-SS0-0.5	0	0.5
SB-558	SB-558-SS0.5-1	0.5	1
SB-558	SB-558-2	2	2
SB-559	SB-559-SS0-0.5	0	0.5
SB-559	SB-559-SS0.5-1	0.5	1
SB-559	SB-559-2	2	2
SB-560	SB-560-SS0-0.5	0	0.5
SB-560	SB-560-SS0.5-1	0.5	1
SB-560	SB-560-2	2	2
SB-561	SB-561-SS0-0.5	0	0.5
SB-561	SB-561-SS0.5-1	0.5	1
SB-561	SB-561-2	2	2
SB-562	SB-562-SS0-0.5	0	0.5
SB-562	SB-562-SS0.5-1	0.5	1
SB-562	SB-562-2	2	2
SB-563	SB-563-SS0-0.5	0	0.5
SB-563	SB-563-SS0.5-1	0.5	1
SB-563	SB-563-2	2	2
SB-564	SB-564-SS0-0.5	0	0.5
SB-564	SB-564-SS0.5-1	0.5	1
SB-564	SB-564-2	2	2

Table 3-2

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-565	SB-565-SS0-0.5	0	0.5
SB-565	SB-565-SS0.5-1	0.5	1
SB-565	SB-565-2	2	2
SB-566	SB-566-SS0-0.5	0	0.5
SB-566	SB-566-SS0.5-1	0.5	1
SB-566	SB-566-2	2	2
SB-567	SB-567-SS0-0.5	0	0.5
SB-567	SB-567-SS0.5-1	0.5	1
SB-567	SB-567-2	2	2
SB-568	SB-568-SS0-0.5	0	0.5
SB-568	SB-568-SS0.5-1	0.5	1
SB-568	SB-568-2	2	2
SB-569	SB-569-SS0-0.5	0	0.5
SB-569	SB-569-SS0.5-1	0.5	1
SB-569	SB-569-2	2	2
SB-570	SB-570-SS0-0.5	0	0.5
SB-570	SB-570-SS0.5-1	0.5	1
SB-570	SB-570-2	2	2
SB-571	SB-571-SS0-0.5	0	0.5
SB-571	SB-571-SS0.5-1	0.5	1
SB-571	SB-571-2	2	2
Data Gap Investigation Samples (Fall 2010)			
SB-818	E-SB-818-SS	0	1
SB-819	E-SB-819-SS	0	1
SB-820	E-SB-820-SS	0	1
SB-821	E-SB-821-SS	0	1
SB-822	E-SB-822-SS	0	1
SB-823	E-SB-823-SS	0	1
SB-824	E-SB-824-SS	0	1
SB-825	E-SB-825-SS	0	1
SB-827	E-SB-827-SS	0	1
SB-828	E-SB-828-SS	0	1
SB-829	E-SB-829-SS	0	1
SB-830	E-SB-830-SS	0	1
SB-831	E-SB-831-SS	0	1
SB-832	E-SB-832-SS	0	1
SB-833	E-SB-833-SS	0	1
SB-833A	E-SB-833A-02	2	2
SB-833B	E-SB-833B-02	2	2
SB-833C	E-SB-833C-02	2	2
SB-833D	E-SB-833D-02	2	2
SB-833E	E-SB-833E-02	2	2
SB-833F	E-SB-833F-02	2	2
SB-833G	E-SB-833G-02	2	2
SB-833H	E-SB-833H-02	2	2

Table 3-2

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-833J	E-SB-833J-02	2	2
SB-833K	E-SB-833K-02	2	2
SB-833L	E-SB-833L-02	2	2
SB-833M	E-SB-833M-02	2	2
SB-833N	E-SB-833N-02	2	2
SB-834	E-SB-834-SS	0	1
SB-835	E-SB-835-SS	0	1
SB-836	E-SB-836-SS	0	1
SB-837	E-SB-837-SS	0	1
SB-838	E-SB-838-SS	0	1
SB-839	E-SB-839-SS	0	1
SB-840	E-SB-840-SS	0	1
SB-841	E-SB-841-SS	0	1
SB-842	E-SB-842-SS	0	1
SB-843	E-SB-843-SS	0	1
SB-844	E-SB-844-SS	0	1
SB-845	E-SB-845-SS	0	1
SB-846	E-SB-846-SS	0	1
SB-847	E-SB-847-SS	0	1

Table 3-3

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Site-Wide Phase II Investigation Samples (2004)			
SB-022	SB-22A-SS	0	1
SB-023	SB-23A-SS	0	1
SB-024	SB-24A-SS	0	1
SB-025	SB-25A-SS	0	1
SB-030	SB-30A-SS	0	1
SB-050	SB-50-SS	0	1
SB-055	SB-55-SS	0	1
SB-056	SB-56-SS	0	1
SB-093	SB-93-SS	0	1
SB-094	SB-94-SS	0	1
SB-095	SB-95-SS	0	1
SB-096	SB-96-SS	0	1
Phase II Soil Investigation Samples (Summer 2005)			
SB-236	SB-236-SS	0	1
SB-236	SB-236-01	1	2
SB-237	SB-237-SS	0	1
SB-237	SB-237-01	1	2
SB-238	SB-238-SS	0	1
SB-238	SB-238-01	1	2
SB-250	SB-250-SS	0	1
SB-250	SB-250-02	1	2
SB-251	SB-251-SS	0	1
SB-251	SB-251-02	1	2
SB-252	SB-252-SS	0	1
SB-252	SB-252-02	1	2
SB-253	SB-253-SS	0	1
SB-253	SB-253-02	1	2
SB-265	SB-265-SS	0	1
SB-265	SB-265-02	1	2
SB-266	SB-266-SS	0	1
SB-266	SB-266-02	1	2
SB-267	SB-267-SS	0	1
SB-267	SB-267-02	1	2
SB-268	SB-268-SS	0	1
SB-268	SB-268-02	1	2
SB-269	SB-269-SS	0	1
SB-269	SB-269-02	1	2
SB-270	SB-270-SS	0	1
SB-270	SB-270-02	1	2
Additional Soil Characterization Samples (Fall 2007)			
SB-382	SB-382-0102	1	2
SB-383	SB-383-0102	1	2
SB-384	SB-384-0102	1	2

Table 3-3

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-385	SB-385-0102	1	2
SB-386	SB-386-0102	1	2
SB-387	SB-387-0102	1	2
SB-388	SB-388-0102	1	2
SB-389	SB-389-0102	1	2
SB-390	SB-390-0102	1	2
SB-391	SB-391-0102	1	2
SB-392	SB-392-0102	1	2
SB-393	SB-393-0102	1	2
SB-394	SB-394-0102	1	2
SB-395	SB-395-0102	1	2
SB-396	SB-396-0102	1	2
SB-397	SB-397-0102	1	2
SB-398	SB-398-0102	1	2
SB-399	SB-399-0102	1	2
SB-400	SB-400-0102	1	2
SB-401	SB-401-0102	1	2
SB-402	SB-402-0102	1	2
SB-403	SB-403-0102	1	2
SB-404	SB-404-0102	1	2
SB-405	SB-405-0102	1	2
SB-406	SB-406-0102	1	2
SB-407	SB-407-0102	1	2
SB-408	SB-408-0102	1	2
SB-409	SB-409-0102	1	2
SB-489	SB-489-0102	1	2
Final Soil Delineation Samples (Fall 2009)			
SB-024A	F-SB-24ARE-1	1	1
SB-024A	F-SB-24ARE-2	2	2
SB-056	F-SB-56RE-1	1	1
SB-056	F-SB-56RE-2	2	2
SB-093	F-SB-93RE-1	1	1
SB-093	F-SB-93RE-2	2	2
SB-094	F-SB-94RE-1	1	1
SB-094	F-SB-94RE-2	2	2
SB-095	F-SB-95RE-1	1	1
SB-095	F-SB-95RE-2	2	2
SB-096	F-SB-96RE-1	1	1
SB-096	F-SB-96RE-2	2	2
SB-624	F-SB-624-1	1	1
SB-624	F-SB-624-2	2	2
SB-625	F-SB-625-1	1	1
SB-625	F-SB-625-2	2	2
SB-626	F-SB-626-1	1	1

Table 3-3

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-626	F-SB-626-2	2	2
SB-626B	F-SB-626B-(1-4)	1	4
SB-626C	F-SB-626C-1	1	1
SB-626D	F-SB-626D-1	1	1
SB-627	F-SB-627-1	1	1
SB-627	F-SB-627-2	2	2
SB-635C	F-SB-635C-1	1	1
SB-635D	F-SB-635D-1	1	1
SB-636	F-SB-636-1	1	1
SB-636A	F-SB-636A-1	1	1
SB-636B	F-SB-636B-1	1	1
SB-636C	F-SB-636C-1	1	1
SB-636D	F-SB-636D-1	1	1
SB-637	F-SB-637-1	1	1
SB-637B	F-SB-637B-1	1	1
SB-637C	F-SB-637C-1	1	1
SB-638	F-SB-638-1	1	1
SB-639	F-SB-639-1	1	1
SB-640	F-SB-640-1	1	1
SB-641	F-SB-641-1	1	1
SB-641A	F-SB-641A-1	1	1
SB-641B	F-SB-641B-1	1	1
SB-641C	F-SB-641C-1	1	1
SB-642	F-SB-642-1	1	1
SB-642A	F-SB-642A-1	1	1
SB-642B	F-SB-642B-1	1	1
SB-642C	F-SB-642C-1	1	1
SB-643	F-SB-643-1	1	1
SB-643B	F-SB-643B-1	1	1
SB-643C	F-SB-643C-1	1	1
SB-644	F-SB-644-1	1	1
SB-645	F-SB-645-1	1	1
SB-645A	F-SB-645A-1	1	1
SB-645B	F-SB-645B-1	1	1
SB-645C	F-SB-645C-1	1	1
SB-646	F-SB-646-1	1	1
SB-647	F-SB-647-1	1	1
SB-647A	F-SB-647A-1	1	1
SB-647B	F-SB-647B-1	1	1
SB-647C	F-SB-647C-1	1	1
SB-648	F-SB-648-1	1	1
SB-649	F-SB-649-1	1	1
SB-650	F-SB-650-1	1	1
SB-651	F-SB-651-1	1	1

Table 3-3

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-652	F-SB-652-1	1	1
SB-652A	F-SB-652A-1	1	1
SB-652B	F-SB-652B-1	1	1
SB-652C	F-SB-652C-1	1	1
Data Gap Investigation Samples (Fall 2010)			
SB-797	F-SB-797-SS	1	1
SB-798	F-SB-798-SS	1	1
SB-799	F-SB-799-SS	1	1
SB-800	F-SB-800-SS	1	1
SB-801	F-SB-801-SS	1	1
SB-802	F-SB-802-SS	1	1

Table 3-4

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Site-Wide Phase II Investigation Samples (2004)			
SB-081	SB-81-SS	0	0
SB-082	SB-82-SS	0	0
SB-083	SB-83-SS	0	0
SB-084	SB-84-SS	0	0
SB-085	SB-85-SS	0	0
SB-086	SB-86-SS	0	0
SB-091	SB-91-SS	0	0
SB-092	SB-92-SS	0	0
SB-183	SB-183-SS	0	0
Phase II Soil Investigation Samples (Summer 2005)			
SB-194	SB-194-SS	0	1
SB-195	SB-195-SS	0	1
SB-196	SB-196-SS	0	1
SB-197	SB-197-SS	0	1
SB-198	SB-198-SS	0	1
SB-199	SB-199-SS	0	1
SB-254	SB-254-SS [6]	0.5	0.5
SB-254	SB-254-SS [12]	1	1
SB-254	SB-254-SS [18]	1.5	1.5
SB-255	SB-255-SS [6]	0.5	0.5
SB-255	SB-255-SS [12]	1	1
SB-255	SB-255-SS [18]	1.5	1.5
SB-256	SB-256-SS [6]	0.5	0.5
SB-256	SB-256-SS [12]	1	1
SB-256	SB-256-SS [18]	1.5	1.5
SB-257	SB-257-SS [6]	0.5	0.5
SB-257	SB-257-SS [12]	1	1
SB-257	SB-257-SS [18]	1.5	1.5
SB-258	SB-258-SS [6]	0.5	0.5
SB-258	SB-258-SS [12]	1	1
SB-258	SB-258-SS [18]	1.5	1.5
SB-259	SB-259-SS [6]	0.5	0.5
SB-259	SB-259-SS [12]	1	1
SB-259	SB-259-SS [18]	1.5	1.5
SB-260	SB-260-SS [6]	0.5	0.5
SB-260	SB-260-SS [12]	1	1
SB-260	SB-260-SS [18]	1.5	1.5
SB-261	SB-261-SS [6]	0.5	0.5
SB-261	SB-261-SS [12]	1	1
SB-261	SB-261-SS [18]	1.5	1.5
Additional Soil CharacterizationSamples (Fall 2007)			
SB-410	SB-410-0102	1	2
SB-411	SB-411-0102	1	2
SB-412	SB-412-0102	1	2

Table 3-4

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-413	SB-413-0102	1	2
SB-414	SB-414-0102	1	2
SB-415	SB-415-0102	1	2
SB-416	SB-416-0102	1	2
SB-417	SB-417-0102	1	2
SB-418	SB-418-0102	1	2
SB-419	SB-419-0102	1	2
SB-420	SB-420-0102	1	2
SB-421	SB-421-0102	1	2
SB-422	SB-422-0102	1	2
SB-423	SB-423-0102	1	2
SB-424	SB-424-0102	1	2
SB-425	SB-425-0102	1	2
SB-426	SB-426-0102	1	2
SB-427	SB-427-0102	1	2
SB-428	SB-428-0102	1	2
SB-429	SB-429-0102	1	2
SB-430	SB-430-0102	1	2
SB-431	SB-431-0102	1	2
SB-432	SB-432-0102	1	2
SB-433	SB-433-0102	1	2
SB-434	SB-434-0102	1	2
SB-435	SB-435-0102	1	2
SB-436	SB-436-0102	1	2
SB-437	SB-437-0102	1	2
SB-438	SB-438-0102	1	2
SB-439	SB-439-0102	1	2
SB-440	SB-440-0102	1	2
SB-441	SB-441-0102	1	2
SB-442	SB-442-0102	1	2
SB-443	SB-443-0102	1	2
SB-444	SB-444-0102	1	2
SB-445	SB-445-0102	1	2
SB-446	SB-446-0102	1	2
SB-447	SB-447-0102	1	2
SB-448	SB-448-0102	1	2
SB-449	SB-449-0102	1	2
SB-450	SB-450-0102	1	2
SB-451	SB-451-0102	1	2
SB-452	SB-452-0102	1	2
SB-453	SB-453-0102	1	2
SB-454	SB-454-0102	1	2
SB-455	SB-455-0102	1	2
SB-456	SB-456-0102	1	2
SB-457	SB-457-0000	0	0

Table 3-4

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-457	SB-457-0102	1	2
SB-458	SB-458-0000	0	0
SB-458	SB-458-0102	1	2
SB-459	SB-459-0000	0	0
SB-459	SB-459-0102	1	2
SB-460	SB-460-0000	0	0
SB-460	SB-460-0102	1	2
SB-461	SB-461-0000	0	0
SB-461	SB-461-0102	1	2
SB-494	SB-494-0000	0	0
SB-494	SB-494-0102	1	2
SB-495	SB-495-0000	0	0
SB-495	SB-495-0102	1	2
SB-496	SB-496-0000	0	0
SB-496	SB-496-0102	1	2
Final Soil Delineation Samples (Fall 2009)			
SB-091	G-SB-91RE-1	1	1
SB-091	G-SB-91RE-2	2	2
SB-091A	G-SB-91REA-1	1	1
SB-091B	G-SB-91REB-1	1	1
SB-091C	G-SB-91REC-1	1	1
SB-092	G-SB-92RE-1	1	1
SB-092	G-SB-92RE-2	2	2
SB-092C	G-SB-92REC-1	1	1
SB-092D	G-SB-92RED-1	1	1
SB-092D	G-SB-92RED-1-D	1	1
SB-194	G-SB-194RE-1	1	1
SB-194	G-SB-194RE-2	2	2
SB-198	G-SB-198RE-1	1	1
SB-198	G-SB-198RE-2	2	2
SB-254	G-SB-254RE-1	1	1
SB-254	G-SB-254RE-2	2	2
SB-255	G-SB-255RE-1	1	1
SB-255	G-SB-255RE-2	2	2
SB-257RE	G-SB-257RE-1	1	1
SB-257RE	G-SB-257RE-2	2	2
SB-653	G-SB-653-1	1	1
SB-653	G-SB-653-2	2	2
SB-653A	G-SB-653A-1	1	1
SB-653B	G-SB-653B-1	1	1
SB-653D	G-SB-653D-1	1	1
SB-654	G-SB-654-1	1	1
SB-654	G-SB-654-2	2	2
SB-654B	G-SB-654B-1	1	1
SB-654C	G-SB-654C-1	1	1

Table 3-4

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-655	G-SB-655-1	1	1
SB-655	G-SB-655-2	2	2
SB-656	G-SB-656-1	1	1
SB-656	G-SB-656-2	2	2
SB-656C	G-SB-656C-2	2	2
SB-656D	G-SB-656D-2	2	2
SB-657A	G-SB-657A-1	1	1
SB-657B	G-SB-657B-1	1	1
SB-657D	G-SB-657D-1	1	1
SB-658B	G-SB-658B-1	1	1
SB-658C	G-SB-658C-1	1	1
SB-659C	G-SB-659C-1	1	1
SB-659D	G-SB-659D-1	1	1
SB-662A	G-SB-662A-1	1	1
SB-662B	G-SB-662B-1	1	1
SB-662C	G-SB-662C-1	1	1
SB-669	G-SB-669-1	1	1
SB-669	G-SB-669-2	2	2
SB-670	G-SB-670-1	1	1
SB-670	G-SB-670-2	2	2
SB-671	G-SB-671-1	1	1
SB-671	G-SB-671-2	2	2
SB-671	G-SB-671-2-D	2	2
SB-671B	G-SB-671B-1	1	1
SB-671C	G-SB-671C-1	1	1
SB-671D	G-SB-671D-1	1	1
SB-672	G-SB-672-1	1	1
SB-672	G-SB-672-2	2	2
SB-677	G-SB-677-1	1	1
SB-677	G-SB-677-1-D	1	1
SB-677	G-SB-677-2	2	2
SB-677A	G-SB-677A-1	1	1
SB-677B	G-SB-677B-1	1	1
SB-677D	G-SB-677D-1	1	1
SB-678	G-SB-678-1	1	1
SB-678	G-SB-678-2	2	2
SB-678B	G-SB-678B-1	1	1
SB-678C	G-SB-678C-1	1	1
SB-679	G-SB-679-1	1	1
SB-679	G-SB-679-2	2	2
SB-679C	G-SB-679C-1	1	1
SB-679D	G-SB-679D-1	1	1
SB-680	G-SB-680-1	1	1
SB-680	G-SB-680-2	2	2
SB-680D	G-SB-680D-1	1	1

Table 3-4

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-680D	G-SB-680D-1-D	1	1
SB-693A	G-SB-693A-2	2	2
SB-693A	G-SB-693B-2	2	2
SB-693D	G-SB-693D-2	2	2
SB-734	G-SB-734-0-4	0	4
SB-735	G-SB-735-1	1	1
SB-735A	G-SB-735A-1	1	1
SB-735B	G-SB-735B-1	1	1
SB-735C	G-SB-735C-1	1	1
SB-736	G-SB-736-1	1	1
SB-736B	G-SB-736B-1	1	1
SB-736C	G-SB-736C-1	1	1
SB-737	G-SB-737-1	1	1
SB-738	G-SB-738-2	2	2
SB-738	G-SB-738-2-D	2	2
SB-739	G-SB-739-2	2	2
SB-740	G-SB-740-2	2	2
SB-741	G-SB-741-2	2	2
SB-742	G-SB-742-2	2	2
SB-743	G-SB-743-2	2	2
SB-744	G-SB-744-2	2	2
SB-745	G-SB-745-2	2	2
SB-745A	G-SB-745A-2	2	2
SB-745B	G-SB-745B-2	2	2
SB-745C	G-SB-745C-2	2	2
SB-746	G-SB-746-2	2	2
SB-747	G-SB-747-2	2	2
SB-747	G-SB-747-2-D	2	2
SB-748	G-SB-748-2	2	2
SB-749	G-SB-749-2	2	2
SB-750	G-SB-750-2	2	2
SB-751	G-SB-751-2	2	2
SB-752	G-SB-752-2	2	2
SB-753	G-SB-753-2	2	2
SB-754	G-SB-754-2	2	2
SB-755	G-SB-755-2	2	2
SB-756	G-SB-756-2	2	2
SB-757	G-SB-757-2	2	2
SB-758	G-SB-758-2	2	2
SB-759	G-SB-759-1	1	1
SB-760	G-SB-760-1	1	1
SB-761	G-SB-761-1	1	1
SB-761A	G-SB-761A-1	1	1
SB-761B	G-SB-761B-1	1	1
SB-761C	G-SB-761C-1	1	1

Table 3-4

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-761D	G-SB-761D-1	1	1
SB-762	G-SB-762-1	1	1
SB-762A	G-SB-762A-1	1	1
SB-762B	G-SB-762B-1	1	1
SB-762C	G-SB-762C-1	1	1
SB-762D	G-SB-762D-1	1	1
SB-763	G-SB-763-1	1	1
SB-763A	G-SB-763A-1	1	1
SB-763B	G-SB-763B-1	1	1
SB-763C	G-SB-763C-1	1	1
SB-763D	G-SB-763D-1	1	1
SB-764	G-SB-764-1	1	1
SB-764A	G-SB-764A-1	1	1
SB-764B	G-SB-764B-1	1	1
SB-764C	G-SB-764C-1	1	1
SB-764D	G-SB-764D-1	1	1
SB-765	G-SB-765-1	1	1
SB-765A	G-SB-765A-1	1	1
SB-765B	G-SB-765B-1	1	1
SB-765C	G-SB-765C-1	1	1
SB-765D	G-SB-765D-1	1	1
Data Gap Investigation Samples (Fall 2010)			
SB-803	G-SB-803-SS	0	1
SB-804	G-SB-804-SS	0	1
SB-805	G-SB-805-SS	0	1
SB-806	G-SB-806-SS	0	1
SB-807	G-SB-807-SS	0	1
SB-808	G-SB-808-SS	0	1
SB-809	G-SB-809-SS	0	1
SB-810	G-SB-810-SS	0	1
SB-811	G-SB-811-SS	0	1
SB-812	G-SB-812-SS	0	1
SB-813	G-SB-813-SS	0	1
Data Gap Investigation Test Pit Samples (Fall 2010)			
G-TP-1	G-TP-1-3-1-2	1	2
G-TP-1	G-TP-1-4-1-2	1	2
G-TP-2	G-TP-2-1-1-3	1	3
G-TP-2	G-TP-2-2-1-3	1	3
G-TP-2	G-TP-2-4-1-3	1	3
G-TP-2	G-TP-2-6-1-2	1	2
G-TP-2	G-TP-2-7-1-2	1	2

Table 3-5

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Phase II Soil Investigation Samples (Summer 2005)			
SB-200	SB-200-SS	0	1
SB-201	SB-201-SS	0	1
SB-202	SB-202-SS	0	1
SB-203	SB-203-SS	0	1
SB-282	SB-282-0102	1	2
SB-283	SB-283-0102	1	2
SB-284	SB-284-0102	1	2
SB-285	SB-285-0102	1	2
SB-286	SB-286-0102	1	2
SB-293	SB-293-0102	1	2
SB-294	SB-294-0001	0	1
Additional Soil Characterization Samples (Fall 2007)			
SB-462	SB-462-0102	1	2
SB-463	SB-463-0102	1	2
SB-464	SB-464-0102	1	2
SB-465	SB-465-0102	1	2
SB-466	SB-466-0102	1	2
SB-467	SB-467-0102	1	2
SB-468	SB-468-0102	1	2
SB-469	SB-469-0102	1	2
SB-470	SB-470-0102	1	2
SB-471	SB-471-0102	1	2
SB-472	SB-472-0102	1	2
SB-473	SB-473-0102	1	2
SB-474	SB-474-0102	1	2
SB-475	SB-475-0102	1	2
SB-476	SB-476-0102	1	2
SB-477	SB-477-0102	1	2
SB-478	SB-478-0102	1	2
SB-479	SB-479-0102	1	2
SB-480	SB-480-0102	1	2
SB-481	SB-481-0102	1	2
SB-482	SB-482-0102	1	2
SB-483	SB-483-0102	1	2
SB-484	SB-484-0102	1	2
SB-485	SB-485-0102	1	2
SB-486	SB-486-0102	1	2
SB-487	SB-487-0102	1	2
SB-488	SB-488-0102	1	2
Final Soil Delineation Samples (Fall 2009)			
SB-201RE	H-SB-201RE-1	1	1
SB-201RE	H-SB-201RE-2	2	2
SB-282	H-SB-282RE-1	1	1

Table 3-5

Surface Soil (0-2 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-282	H-SB-282RE-2	2	2
SB-282A	H-SB-282REA-1	1	1
SB-282B	H-SB-282REB-1	1	1
SB-282C	H-SB-282REC-1	1	1
SB-282D	H-SB-282RED-1	1	1
SB-600	H-SB-600-1	1	1
SB-600	H-SB-600-2	2	2
SB-601	H-SB-601-1	1	1
SB-601	H-SB-601-2	2	2
SB-602	H-SB-602-1	1	1
SB-602	H-SB-602-2	2	2
SB-603	H-SB-603-1	1	1
SB-603	H-SB-603-2	2	2
SB-604A	H-SB-604A-1	1	1
SB-604B	H-SB-604B-1	1	1
SB-604D	H-SB-604D-1	1	1
SB-610B	H-SB-610B-1	1	1
SB-610C	H-SB-610C-1	1	1
SB-610D	H-SB-610D-1	1	1
SB-611A	H-SB-611A-1	1	1
SB-611D	H-SB-611D-1	1	1
Data Gap Investigation Samples (Fall 2010)			
SB-814	H-SB-814-SS	1	1
SB-815	H-SB-815-SS	1	1
SB-816	H-SB-816-SS	1	1
SB-816	H-SB-816-SS-D	1	1
SB-817	H-SB-817-SS	1	1

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Phase II Site Investigation Samples (Fall/Winter 2003)			
SB-031	SB-31-05	5	5
SB-032	SB-32-05	5	5
SB-033	SB-33-05	5	5
Site-Wide Phase II Investigation Samples (2004)			
SB-057	SB-57-05	5	5
SB-057	SB-57-10	10	10
SB-058	SB-58-05	5	5
SB-058	SB-58-10	10	10
SB-059	SB-59-05	5	5
SB-059	SB-59-10	10	10
SB-060	SB-60-05	5	5
SB-060	SB-60-10	10	10
SB-061	SB-61-05	5	5
SB-061	SB-61-10	10	10
SB-062	SB-62-05	5	5
SB-062	SB-62-10	10	10
SB-063	SB-63-05	5	5
SB-063	SB-63-10	10	10
SB-064	SB-64-05	5	5
SB-065	SB-65-05	5	5
SB-065	SB-65-10	10	10
SB-066	SB-66-05	5	5
SB-066	SB-66-10	10	10
SB-067	SB-67-05	5	5
SB-067	SB-67-10	10	10
Phase II Soil Investigation Samples (Summer 2005)			
SB-244	SB-244-05	5	5
SB-244	SB-244-10	10	10
SB-245	SB-245-05	5	5
SB-245	SB-245-10	10	10
SB-246	SB-246-05	5	5
SB-246	SB-246-10	10	10
SB-247	SB-247-05	5	5
SB-247	SB-247-10	10	10
SB-248	SB-248-05	5	5
SB-248	SB-248-10	10	10
SB-249	SB-249-05	5	5
SB-249	SB-249-10	10	10
Additional Soil Characterization Samples (Fall 2007)			
SB-318	SB-318-0203	2	3
SB-318	SB-318-0506	5	6
SB-318	SB-318-0809	8	9
SB-319	SB-319-0203	2	3

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-319	SB-319-0506	5	6
SB-319	SB-319-0809	8	9
SB-320	SB-320-0203	2	3
SB-320	SB-320-0506	5	6
SB-320	SB-320-0809	8	9
SB-321	SB-321-0203	2	3
SB-321	SB-321-0506	5	6
SB-321	SB-321-0809	8	9
SB-322	SB-322-0203	2	3
SB-322	SB-322-0506	5	6
SB-322	SB-322-0809	8	9
SB-323	SB-323-0203	2	3
SB-323	SB-323-0506	5	6
SB-323	SB-323-0809	8	9
SB-324	SB-324-0203	2	3
SB-324	SB-324-0506	5	6
SB-324	SB-324-0809	8	9
SB-325	SB-325-0203	2	3
SB-325	SB-325-0506	5	6
SB-325	SB-325-0809	8	9
SB-326	SB-326-0203	2	3
SB-326	SB-326-0506	5	6
SB-326	SB-326-0809	8	9
SB-327	SB-327-0203	2	3
SB-327	SB-327-0506	5	6
SB-327	SB-327-0809	8	9
SB-328	SB-328-0203	2	3
SB-328	SB-328-0506	5	6
SB-328	SB-328-0809	8	9
SB-329	SB-329-0203	2	3
SB-329	SB-329-0506	5	6
SB-329	SB-329-0809	8	9
SB-330	SB-330-0203	2	3
SB-330	SB-330-0506	5	6
SB-330	SB-330-0809	8	9
SB-331	SB-331-0203	2	3
SB-331	SB-331-0506	5	6
SB-331	SB-331-0809	8	9
SB-332	SB-332-0203	2	3
SB-332	SB-332-0506	5	6
SB-332	SB-332-0809	8	9
SB-333	SB-333-0203	2	3
SB-333	SB-333-0506	5	6
SB-333	SB-333-0809	8	9

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-334	SB-334-0203	2	3
SB-334	SB-334-0506	5	6
SB-334	SB-334-0809	8	9
SB-335	SB-335-0203	2	3
SB-335	SB-335-0506	5	6
SB-335	SB-335-0809	8	9
SB-336	SB-336-0203	2	3
SB-336	SB-336-0506	5	6
SB-336	SB-336-0809	8	9
SB-337	SB-337-0203	2	3
SB-337	SB-337-0506	5	6
SB-337	SB-337-0809	8	9
SB-338	SB-338-0203	2	3
SB-338	SB-338-0506	5	6
SB-338	SB-338-0809	8	9
SB-339	SB-339-0203	2	3
SB-339	SB-339-0506	5	6
SB-339	SB-339-0809	8	9
SB-340	SB-340-0203	2	3
SB-340	SB-340-0506	5	6
SB-340	SB-340-0809	8	9
SB-341	SB-341-0203	2	3
SB-341	SB-341-0506	5	6
SB-341	SB-341-0809	8	9
SB-342	SB-342-0203	2	3
SB-342	SB-342-0506	5	6
SB-342	SB-342-0809	8	9
SB-343	SB-343-0203	2	3
SB-343	SB-343-0506	5	6
SB-343	SB-343-0809	8	9
SB-344	SB-344-0203	2	3
SB-344	SB-344-0506	5	6
SB-344	SB-344-0809	8	9
Final Soil Delineation Samples (Fall 2009)			
SB-057	F-SB-57RE-3	3	3
SB-057	F-SB-57RE-4	4	4
SB-057	F-SB-57RE-5	5	5
SB-057	F-SB-57RE-6	6	6
SB-057	F-SB-57RE-7	7	7
SB-057	F-SB-57RE-8	8	8
SB-057	F-SB-57RE-9	9	9
SB-057	F-SB-57RE-10	10	10
SB-058	F-SB-58RE-3	3	3
SB-058	F-SB-58RE-4	4	4

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-058	F-SB-58RE-5	5	5
SB-058	F-SB-58RE-6	6	6
SB-058	F-SB-58RE-7	7	7
SB-058	F-SB-58RE-8	8	8
SB-058	F-SB-58RE-8-D	8	8
SB-058	F-SB-58RE-9	9	9
SB-058	F-SB-58RE-10	10	10
SB-058A	F-SB-58REA-4	4	4
SB-058A	F-SB-58REA-6	6	6
SB-058A	F-SB-58REA-8	8	8
SB-058A	F-SB-58REA-10	10	10
SB-058B	F-SB-58REB-4	4	4
SB-058B	F-SB-58REB-4-D	4	4
SB-058B	F-SB-58REB-6	6	6
SB-058B	F-SB-58REB-8	8	8
SB-058B	F-SB-58REB-10	10	10
SB-058C	F-SB-58REC-4	4	4
SB-058C	F-SB-58REC-6	6	6
SB-058C	F-SB-58REC-8	8	8
SB-058C	F-SB-58REC-10	10	10
SB-058D	F-SB-58RED-4	4	4
SB-058D	F-SB-58RED-6	6	6
SB-058D	F-SB-58RED-8	8	8
SB-058D	F-SB-58RED-10	10	10
SB-060	D-SB-60RE-3	3	3
SB-060	D-SB-60RE-4	4	4
SB-060	D-SB-60RE-5	5	5
SB-060	D-SB-60RE-6	6	6
SB-060	D-SB-60RE-7	7	7
SB-060	D-SB-60RE-8	8	8
SB-060	D-SB-60RE-8-D	8	8
SB-060	D-SB-60RE-9	9	9
SB-060	D-SB-60RE-10	10	10
SB-060A	D-SB-60REA-3	3	3
SB-060A	D-SB-60REA-3-D	3	3
SB-060A	D-SB-60REA-5	5	5
SB-060A	D-SB-60REA-7	7	7
SB-060B	D-SB-60REB-3	3	3
SB-060B	D-SB-60REB-5	5	5
SB-060B	D-SB-60REB-7	7	7
SB-060C	D-SB-60REC-3	3	3
SB-060C	D-SB-60REC-5	5	5
SB-060C	D-SB-60REC-7	7	7
SB-060D	D-SB-60RED-3	3	3

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-060D	D-SB-60RED-5	5	5
SB-060D	D-SB-60RED-7	7	7
SB-060D	D-SB-60RED-7-D	7	7
SB-061	D-SB-61RE-3	3	3
SB-061	D-SB-61RE-4	4	4
SB-061	D-SB-61RE-5	5	5
SB-061	D-SB-61RE-6	6	6
SB-061	D-SB-61RE-7	7	7
SB-061	D-SB-61RE-8	8	8
SB-061	D-SB-61RE-9	9	9
SB-061	D-SB-61RE-10	10	10
SB-061A	D-SB-61REA-3	3	3
SB-061A	D-SB-61REA-3-D	3	3
SB-061A	D-SB-61REA-5	5	5
SB-061A	D-SB-61REA-7	7	7
SB-061A	D-SB-61REA-9	9	9
SB-061B	D-SB-61REB-3	3	3
SB-061B	D-SB-61REB-5	5	5
SB-061B	D-SB-61REB-7	7	7
SB-061B	D-SB-61REB-9	9	9
SB-061C	D-SB-61REC-3	3	3
SB-061C	D-SB-61REC-5	5	5
SB-061C	D-SB-61REC-7	7	7
SB-061C	D-SB-61REC-9	9	9
SB-061D	D-SB-61RED-3	3	3
SB-061D	D-SB-61RED-5	5	5
SB-061D	D-SB-61RED-7	7	7
SB-061D	D-SB-61RED-9	9	9
SB-062	D-SB-62RE-3	3	3
SB-062	D-SB-62RE-4	4	4
SB-062	D-SB-62RE-5	5	5
SB-062	D-SB-62RE-6	6	6
SB-062	D-SB-62RE-7	7	7
SB-062	D-SB-62RE-8	8	8
SB-062	D-SB-62RE-9	9	9
SB-062	D-SB-62RE-10	10	10
SB-062A	D-SB-62REA-3	3	3
SB-062A	D-SB-62REA-5	5	5
SB-062A	D-SB-62REA-7	7	7
SB-062A	D-SB-62REA-9	9	9
SB-062B	D-SB-62REB-3	3	3
SB-062B	D-SB-62REB-5	5	5
SB-062B	D-SB-62REB-7	7	7
SB-062B	D-SB-62REB-7-D	7	7

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-062B	D-SB-62REB-9	9	9
SB-062C	D-SB-62REC-3	3	3
SB-062C	D-SB-62REC-5	5	5
SB-062C	D-SB-62REC-7	7	7
SB-062C	D-SB-62REC-9	9	9
SB-062D	D-SB-62RED-5	5	5
SB-062D	D-SB-62RED-7	7	7
SB-062D	D-SB-62RED-9	9	9
SB-063	D-SB-63RE-3	3	3
SB-063	D-SB-63RE-4	4	4
SB-063	D-SB-63RE-5	5	5
SB-063	D-SB-63RE-6	6	6
SB-063	D-SB-63RE-7	7	7
SB-063	D-SB-63RE-8	8	8
SB-063	D-SB-63RE-9	9	9
SB-063	D-SB-63RE-10	10	10
SB-063A	D-SB-63REA-4	4	4
SB-063A	D-SB-63REA-6	6	6
SB-063B	D-SB-63REB-4	4	4
SB-063B	D-SB-63REB-6	6	6
SB-063C	D-SB-63REC-4	4	4
SB-063C	D-SB-63REC-6	6	6
SB-063D	D-SB-63RED-4	4	4
SB-063D	D-SB-63RED-6	6	6
SB-065	D-SB-65RE-3	3	3
SB-065	D-SB-65RE-5	5	5
SB-065	D-SB-65RE-5-D	5	5
SB-065	D-SB-65RE-6	6	6
SB-065	D-SB-65RE-7	7	7
SB-065	D-SB-65RE-8	8	8
SB-065	D-SB-65RE-9	9	9
SB-065	D-SB-65RE-10	10	10
SB-066	D-SB-66RE-3	3	3
SB-066	D-SB-66RE-4	4	4
SB-066	D-SB-66RE-5	5	5
SB-066	D-SB-66RE-6	6	6
SB-066	D-SB-66RE-7	7	7
SB-066	D-SB-66RE-8	8	8
SB-066	D-SB-66RE-8-D	8	8
SB-066A	D-SB-66REA-4	4	4
SB-066B	D-SB-66REB-4	4	4
SB-066C	D-SB-66REC-4	4	4
SB-066D	D-SB-66RED-3	3	3
SB-066D	D-SB-66RED-4	4	4

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-066D	D-SB-66RED-4-D	4	4
SB-239	D-SB-239RE-3	3	3
SB-239	D-SB-239RE-4	4	4
SB-239	D-SB-239RE-5	5	5
SB-239	D-SB-239RE-6	6	6
SB-239	D-SB-239RE-7	7	7
SB-239	D-SB-239RE-8	8	8
SB-239	D-SB-239RE-9	9	9
SB-239	D-SB-239RE-10	10	10
SB-240	D-SB-240RE-3	3	3
SB-240	D-SB-240RE-4	4	4
SB-240	D-SB-240RE-6	6	6
SB-240	D-SB-240RE-7	7	7
SB-240	D-SB-240RE-8	8	8
SB-240	D-SB-240RE-8-D	8	8
SB-240	D-SB-240RE-10	10	10
SB-240A	D-SB-240REA-3	3	3
SB-240A	D-SB-240REA-5	5	5
SB-240A	D-SB-240REA-7	7	7
SB-240A	D-SB-240REA-7-D	7	7
SB-240A	D-SB-240REA-9	9	9
SB-240B	D-SB-240REB-3	3	3
SB-240B	D-SB-240REB-5	5	5
SB-240B	D-SB-240REB-7	7	7
SB-240B	D-SB-240REB-9	9	9
SB-240C	D-SB-240REC-3	3	3
SB-240C	D-SB-240REC-3-D	3	3
SB-240C	D-SB-240REC-5	5	5
SB-240C	D-SB-240REC-7	7	7
SB-240C	D-SB-240REC-9	9	9
SB-240D	D-SB-240RED-3	3	3
SB-240D	D-SB-240RED-5	5	5
SB-240D	D-SB-240RED-7	7	7
SB-240D	D-SB-240RED-9	9	9
SB-243	D-SB-243RE-3	3	3
SB-243	D-SB-243RE-4	4	4
SB-243	D-SB-243RE-5	5	5
SB-243	D-SB-243RE-6	6	6
SB-243	D-SB-243RE-7	7	7
SB-243	D-SB-243RE-8	8	8
SB-243	D-SB-243RE-8-D	8	8
SB-243	D-SB-243RE-9	9	9
SB-243	D-SB-243RE-10	10	10
SB-243A	D-SB-243REA-4	4	4

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-243B	D-SB-243REB-4	4	4
SB-243C	D-SB-243REC-4	4	4
SB-243D	D-SB-243RED-4	4	4
SB-243D	D-SB-243RED-4-D	4	4
SB-592	D-SB-592-3	3	3
SB-592	D-SB-592-4	4	4
SB-592	D-SB-592-5	5	5
SB-592	D-SB-592-6	6	6
SB-592	D-SB-592-9	9	9
SB-592	D-SB-592-10	10	10
SB-592	D-SB-592-10-D	10	10
SB-592A	D-SB-592A-4	4	4
SB-592A	D-SB-592A-6	6	6
SB-592A	D-SB-592A-8	8	8
SB-592B	D-SB-592B-4	4	4
SB-592B	D-SB-592B-6	6	6
SB-592B	D-SB-592B-6-D	6	6
SB-592B	D-SB-592B-8	8	8
SB-592D	D-SB-592D-4	4	4
SB-592D	D-SB-592D-6	6	6
SB-592D	D-SB-592D-8	8	8
SB-593	D-SB-593-3	3	3
SB-594	D-SB-594-3	3	3
SB-595	D-SB-595-3	3	3
Data Gap Investigation Samples (Fall 2010)			
SB-766	D-SB-766-03	3	3
SB-766	D-SB-766-05	5	5
SB-766	D-SB-766-07	7	7
SB-766	D-SB-766-09	9	9
SB-767	D-SB-767-03	3	3
SB-767	D-SB-767-05	5	5
SB-767	D-SB-767-07	7	7
SB-767	D-SB-767-09	9	9
SB-768	D-SB-768-03	3	3
SB-768	D-SB-768-05	5	5
SB-768	D-SB-768-07	7	7
SB-768	D-SB-768-09	9	9
SB-769	D-SB-769-03	3	3
SB-769	D-SB-769-05	5	5
SB-769	D-SB-769-07	7	7
SB-769	D-SB-769-09	9	9
SB-770	D-SB-770-03	3	3
SB-770	D-SB-770-05	5	5
SB-770	D-SB-770-07	7	7

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-770	D-SB-770-09	9	9
SB-771	D-SB-771-03	3	3
SB-771	D-SB-771-05	5	5
SB-771	D-SB-771-07	7	7
SB-771	D-SB-771-09	9	9
SB-772	D-SB-772-03	3	3
SB-772	D-SB-772-05	5	5
SB-772	D-SB-772-07	7	7
SB-772	D-SB-772-09	9	9
SB-773	D-SB-773-03	3	3
SB-773	D-SB-773-05	5	5
SB-773	D-SB-773-05-D	5	5
SB-773	D-SB-773-09	9	9
SB-774	D-SB-774-03	3	3
SB-774	D-SB-774-05	5	5
SB-774	D-SB-774-07	7	7
SB-774	D-SB-774-09	9	9
SB-775	D-SB-775-03	3	3
SB-775	D-SB-775-05	5	5
SB-775	D-SB-775-07	7	7
SB-775	D-SB-775-09	9	9
SB-776	D-SB-776-03	3	3
SB-776	D-SB-776-05	5	5
SB-776	D-SB-776-07	7	7
SB-776	D-SB-776-09	9	9
SB-776	D-SB-776-09-D	9	9
SB-777	D-SB-777-03	3	3
SB-777	D-SB-777-05	5	5
SB-777	D-SB-777-07	7	7
SB-777	D-SB-777-09	9	9
SB-778	D-SB-778-03	3	3
SB-778	D-SB-778-05	5	5
SB-778	D-SB-778-07	7	7
SB-778	D-SB-778-09	9	9
SB-779	D-SB-779-03	3	3
SB-779	D-SB-779-05	5	5
SB-779	D-SB-779-07	7	7
SB-779	D-SB-779-09	9	9
SB-780	D-SB-780-03	3	3
SB-780	D-SB-780-05	5	5
SB-780	D-SB-780-07	7	7
SB-780	D-SB-780-09	9	9
SB-781	D-SB-781-03	3	3
SB-781	D-SB-781-05	5	5

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-781	D-SB-781-07	7	7
SB-781	D-SB-781-09	9	9
SB-782	D-SB-782-03	3	3
SB-782	D-SB-782-05	5	5
SB-782	D-SB-782-07	7	7
SB-782	D-SB-782-09	9	9
SB-783	D-SB-783-03	3	3
SB-783	D-SB-783-05	5	5
SB-783	D-SB-783-07	7	7
SB-783	D-SB-783-09	9	9
SB-784	D-SB-784-03	3	3
SB-784	D-SB-784-05	5	5
SB-784	D-SB-784-07	7	7
SB-784	D-SB-784-09	9	9
SB-785	D-SB-785-03	3	3
SB-785	D-SB-785-05	5	5
SB-785	D-SB-785-07	7	7
SB-785	D-SB-785-09	9	9
SB-786	D-SB-786-03	3	3
SB-786	D-SB-786-05	5	5
SB-786	D-SB-786-07	7	7
SB-786	D-SB-786-09	9	9
SB-787	D-SB-787-03	3	3
SB-787	D-SB-787-05	5	5
SB-787	D-SB-787-07	7	7
SB-787	D-SB-787-09	9	9
SB-788	D-SB-788-03	3	3
SB-788	D-SB-788-05	5	5
SB-788	D-SB-788-07	7	7
SB-788	D-SB-788-09	9	9
SB-789	D-SB-789-03	3	3
SB-789	D-SB-789-05	5	5
SB-789	D-SB-789-07	7	7
SB-789	D-SB-789-09	9	9
SB-790	D-SB-790-03	3	3
SB-790	D-SB-790-05	5	5
SB-790	D-SB-790-07	7	7
SB-790	D-SB-790-09	9	9
SB-791	D-SB-791-03	3	3
SB-791	D-SB-791-05	5	5
SB-791	D-SB-791-07	7	7
SB-791	D-SB-791-09	9	9
SB-792	D-SB-792-03	3	3
SB-792	D-SB-792-05	5	5

Table 3-6

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-792	D-SB-792-07	7	7
SB-792	D-SB-792-09	9	9
SB-793	D-SB-793-03	3	3
SB-793	D-SB-793-05	5	5
SB-793	D-SB-793-07	7	7
SB-793	D-SB-793-09	9	9
SB-794	D-SB-794-03	3	3
SB-794	D-SB-794-05	5	5
SB-794	D-SB-794-07	7	7
SB-794	D-SB-794-09	9	9
SB-795	D-SB-795-03	3	3
SB-795	D-SB-795-05	5	5
SB-795	D-SB-795-07	7	7
SB-795	D-SB-795-09	9	9
SB-796	D-SB-796-03	3	3
SB-796	D-SB-796-05	5	5
SB-796	D-SB-796-07	7	7
SB-796	D-SB-796-09	9	9

Table 3-7

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Phase II Site Investigation Samples (Fall/Winter 2003)			
SB-001	SB-1-05	5	5
SB-001	SB-1-10	10	10
SB-002	SB-2-05	5	5
SB-002	SB-2-10	10	10
SB-003	SB-3-05	5	5
SB-003	SB-3-10	10	10
SB-004	SB-4-05	5	5
SB-004	SB-4-10	10	10
SB-005	SB-5-05	5	5
SB-005	SB-5-10	10	10
SB-006	SB-6-05	5	5
SB-006	SB-6-10	10	10
SB-009	SB-9-05	5	5
SB-010	SB-10-05	5	5
SB-011	SB-11-05	5	5
SB-012	SB-12-05	5	5
SB-013	SB-13-05	5	5
SB-014	SB-14-05	5	5
SB-015	SB-15-05	5	5
SB-016	SB-16-05	5	5
SB-017	SB-17-05	5	5
SB-018	SB-18-05	5	5
SB-019	SB-19-05	5	5
SB-019	SB-19-10	10	10
SB-020	SB-20-05	5	5
SB-020	SB-20-10	10	10
SB-021	SB-21-05	5	5
SB-021	SB-21-10	10	10
Site-Wide Phase II Investigation Samples (2004)			
SB-035	SB-35-04	4	4
SB-036	SB-36-05	5	5
LMC MRC Groundwater Study Samples (May 2005)			
MRC-MW43A	MRC-MW43[0910]	9	10
Additional Soil Characterization Samples (Fall 2007)			
SB-500	SB-500-0406	4	6
SB-500	SB-500-0810	8	10
SB-501	SB-501-0406	4	6
SB-501	SB-501-0810	8	10
SB-502	SB-502-0406	4	6
SB-502	SB-502-0810	8	10
SB-503	SB-503-0406	4	6
SB-504	SB-504-0406	4	6
SB-504	SB-504-0810	8	10
SB-505	SB-505-0406	4	6
SB-505	SB-505-0810	8	10

Table 3-7

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-506	SB-506-0406	4	6
SB-506	SB-506-0810	8	10
SB-507	SB-507-0406	4	6
SB-507	SB-507-0810	8	10
SB-508	SB-508-0406	4	6
SB-508	SB-508-0406-D	4	6
SB-508	SB-508-0810	8	10
SB-509	SB-509-0406	4	6
SB-509	SB-509-0810	8	10
SB-510	SB-510-0406	4	6
SB-510	SB-510-0810	8	10
SB-510	SB-510-0810-D	8	10
SB-511	SB-511-0406	4	6
SB-511	SB-511-0810	8	10
SB-512	SB-512-0406	4	6
SB-512	SB-512-0810	8	10
SB-512	SB-512-0810-D	8	10
SB-513	SB-513-0406	4	6
SB-513	SB-513-0810	8	10
SB-514	SB-514-0406	4	6
SB-514	SB-514-0810	8	10
SB-514	SB-514-0810-D	8	10
SB-515	SB-515-0406	4	6
SB-515	SB-515-0810	8	10
SB-517	SB-517-0406	4	6
SB-517	SB-517-0810	8	10
SB-518	SB-518-0406	4	6
SB-518	SB-518-0810	8	10
SB-519	SB-519-0406	4	6
SB-519	SB-519-0810	8	10
SB-520	SB-520-0406	4	6
SB-520	SB-520-0810	8	10
Supplemental Soil Investigation Samples (Fall 2008)			
SB-541A	SB-541A-4	4	4
SB-542	SB-542-3	3	3
SB-542	SB-542-4	4	4
SB-543A	SB-543A-3	3	3
SB-543A	SB-543A-4	4	4
SB-545	SB-545-4	4	4
SB-547	SB-547-3	3	3
SB-547	SB-547-4	4	4
SB-548	SB-548-3	3	3
SB-548	SB-548-4	4	4
SB-550A	SB-550A-3	3	3
SB-550A	SB-550A-4	4	4
SB-554	SB-554-3	3	3

Table 3-7

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-554	SB-554-4	4	4
SB-555	SB-555-4	4	4
SB-555	SB-555-6	6	6
SB-555	SB-555-8	8	8
SB-555A	SB-555A-10	10	10
SB-556	SB-556-4	4	4
SB-556	SB-556-6	6	6
SB-556	SB-556-8	8	8
SB-557	SB-557-4	4	4
SB-557	SB-557-6	6	6
SB-557	SB-557-8	8	8
SB-558	SB-558-4	4	4
SB-558	SB-558-6	6	6
SB-558	SB-558-8	8	8
SB-559	SB-559-4	4	4
SB-559	SB-559-6	6	6
SB-559	SB-559-8	8	8
SB-560	SB-560-4	4	4
SB-561	SB-561-4	4	4
SB-561	SB-561-6	6	6
SB-561	SB-561-8	8	8
SB-561A	SB-561A-6	6	6
SB-561A	SB-561A-8	8	8
SB-562	SB-562-4	4	4
SB-562	SB-562-6	6	6
SB-562	SB-562-8	8	8
SB-563	SB-563-4	4	4
SB-563	SB-563-6	6	6
SB-563	SB-563-8	8	8
SB-564	SB-564-4	4	4
SB-565	SB-565-4	4	4
SB-566	SB-566-4	4	4
SB-566	SB-566-6	6	6
SB-566	SB-566-8	8	8
SB-567	SB-567-4	4	4
SB-568	SB-568-4	4	4
SB-568	SB-568-4-D	4	4
SB-568	SB-568-6	6	6
SB-568	SB-568-8	8	8
SB-568A	SB-568A-6	6	6
SB-568A	SB-568A-8	8	8
SB-568A	SB-568A-10	10	10
SB-569	SB-569-4	4	4
SB-569	SB-569-6	6	6
SB-569	SB-569-8	8	8
SB-570	SB-570-4	4	4

Table 3-7

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-570	SB-570-6	6	6
SB-570	SB-570-8	8	8
SB-570A	SB-570A-6	6	6
SB-570A	SB-570A-8	8	8
SB-570A	SB-570A-10	10	10
SB-571	SB-571-4	4	4
Data Gap Investigation Samples (Fall 2010)			
SB-818	E-SB-818-03	3	3
SB-818	E-SB-818-05	5	5
SB-818	E-SB-818-07	7	7
SB-818	E-SB-818-09	9	9
SB-819	E-SB-819-03	3	3
SB-819	E-SB-819-05	5	5
SB-819	E-SB-819-07	7	7
SB-819	E-SB-819-07-D	7	7
SB-819	E-SB-819-09	9	9
SB-820	E-SB-820-03	3	3
SB-820	E-SB-820-05	5	5
SB-820	E-SB-820-07	7	7
SB-820	E-SB-820-09	9	9
SB-821	E-SB-821-03	3	3
SB-821	E-SB-821-05	5	5
SB-821	E-SB-821-07	7	7
SB-821	E-SB-821-09	9	9
SB-821	E-SB-821-09-D	9	9
SB-822	E-SB-822-03	3	3
SB-822	E-SB-822-05	5	5
SB-822	E-SB-822-05-D	5	5
SB-822	E-SB-822-07	7	7
SB-822	E-SB-822-09	9	9
SB-823	E-SB-823-05	5	5
SB-823	E-SB-823-07	7	7
SB-824	E-SB-824-03	3	3
SB-824	E-SB-824-05	5	5
SB-824	E-SB-824-07	7	7
SB-824	E-SB-824-07-D	7	7
SB-824	E-SB-824-09	9	9
SB-825	E-SB-825-03	3	3
SB-825	E-SB-825-05	5	5
SB-825	E-SB-825-07	7	7
SB-825	E-SB-825-09	9	9
SB-826	E-SB-826-05	5	5
SB-826	E-SB-826-07	7	7
SB-826	E-SB-826-09	9	9
SB-826	E-SB-826-09-D	9	9
SB-827	E-SB-827-03	3	3

Table 3-7

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-827	E-SB-827-05	5	5
SB-827	E-SB-827-07	7	7
SB-827	E-SB-827-09	9	9
SB-828	E-SB-828-03	3	3
SB-828	E-SB-828-09	9	9
SB-829	E-SB-829-03	3	3
SB-829	E-SB-829-05	5	5
SB-829	E-SB-829-07	7	7
SB-829	E-SB-829-09	9	9
SB-830	E-SB-830-03	3	3
SB-830	E-SB-830-05	5	5
SB-830	E-SB-830-07	7	7
SB-830	E-SB-830-09	9	9
SB-831	E-SB-831-03	3	3
SB-831	E-SB-831-05	5	5
SB-831	E-SB-831-07	7	7
SB-831	E-SB-831-09	9	9
SB-832	E-SB-832-05	5	5
SB-832	E-SB-832-07	7	7
SB-832	E-SB-832-09	9	9
SB-833	E-SB-833-03	3	3
SB-833	E-SB-833-05	5	5
SB-833	E-SB-833-07	7	7
SB-833	E-SB-833-09	9	9
SB-833A	E-SB-833A-06	6	6
SB-833A	E-SB-833A-10	10	10
SB-833B	E-SB-833B-04	4	4
SB-833B	E-SB-833B-06	6	6
SB-833B	E-SB-833B-08	8	8
SB-833B	E-SB-833B-10	10	10
SB-833C	E-SB-833C-04	4	4
SB-833C	E-SB-833C-06	6	6
SB-833C	E-SB-833C-08	8	8
SB-833C	E-SB-833C-10	10	10
SB-833D	E-SB-833D-04	4	4
SB-833D	E-SB-833D-06	6	6
SB-833D	E-SB-833D-08	8	8
SB-833D	E-SB-833D-10	10	10
SB-833E	E-SB-833E-06	6	6
SB-833E	E-SB-833E-10	10	10
SB-833F	E-SB-833F-04	4	4
SB-833F	E-SB-833F-06	6	6
SB-833F	E-SB-833F-08	8	8
SB-833F	E-SB-833F-10	10	10
SB-833G	E-SB-833G-06	6	6
SB-833G	E-SB-833G-08	8	8

Table 3-7

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-833G	E-SB-833G-10	10	10
SB-833H	E-SB-833H-06	6	6
SB-833H	E-SB-833H-08	8	8
SB-833H	E-SB-833H-10	10	10
SB-833I	E-SB-833I-08	8	8
SB-833I	E-SB-833I-10	10	10
SB-833J	E-SB-833J-04	4	4
SB-833J	E-SB-833J-06	6	6
SB-833J	E-SB-833J-08	8	8
SB-833J	E-SB-833J-10	10	10
SB-833K	E-SB-833K-06	6	6
SB-833K	E-SB-833K-08	8	8
SB-833K	E-SB-833K-10	10	10
SB-833L	E-SB-833L-04	4	4
SB-833L	E-SB-833L-06	6	6
SB-833L	E-SB-833L-08	8	8
SB-833M	E-SB-833M-04	4	4
SB-833M	E-SB-833M-06	6	6
SB-833M	E-SB-833M-08	8	8
SB-833M	E-SB-833M-10	10	10
SB-833N	E-SB-833N-04	4	4
SB-833N	E-SB-833N-06	6	6
SB-833N	E-SB-833N-08	8	8
SB-833N	E-SB-833N-10	10	10
SB-834	E-SB-834-05	5	5
SB-834	E-SB-834-07	7	7
SB-834	E-SB-834-09	9	9
SB-835	E-SB-835-03	3	3
SB-835	E-SB-835-05	5	5
SB-835	E-SB-835-07	7	7
SB-835	E-SB-835-09	9	9
SB-836	E-SB-836-03	3	3
SB-836	E-SB-836-05	5	5
SB-836	E-SB-836-07	7	7
SB-836	E-SB-836-09	9	9
SB-837	E-SB-837-03	3	3
SB-837	E-SB-837-05	5	5
SB-837	E-SB-837-07	7	7
SB-837	E-SB-837-09	9	9
SB-838	E-SB-838-3	3	3
SB-838	E-SB-838-5	5	5
SB-838	E-SB-838-7	7	7
SB-838	E-SB-838-9	9	9
SB-839	E-SB-839-03	3	3
SB-839	E-SB-839-05	5	5
SB-839	E-SB-839-07	7	7

Table 3-7

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-839	E-SB-839-09	9	9
SB-840	E-SB-840-03	3	3
SB-840	E-SB-840-05	5	5
SB-840	E-SB-840-05-D	5	5
SB-840	E-SB-840-07	7	7
SB-840	E-SB-840-09	9	9
SB-841	E-SB-841-03	3	3
SB-841	E-SB-841-05	5	5
SB-841	E-SB-841-07	7	7
SB-841	E-SB-841-09	9	9
SB-842	E-SB-842-3	3	3
SB-842	E-SB-842-5	5	5
SB-842	E-SB-842-7	7	7
SB-842	E-SB-842-9	9	9
SB-843	E-SB-843-03	3	3
SB-843	E-SB-843-05	5	5
SB-843	E-SB-843-07	7	7
SB-843	E-SB-843-09	9	9
SB-844	E-SB-844-03	3	3
SB-844	E-SB-844-05	5	5
SB-844	E-SB-844-07	7	7
SB-844	E-SB-844-09	9	9
SB-845	E-SB-845-03	3	3
SB-845	E-SB-845-05	5	5
SB-845	E-SB-845-07	7	7
SB-845	E-SB-845-09	9	9
SB-846	E-SB-846-03	3	3
SB-846	E-SB-846-05	5	5
SB-846	E-SB-846-07	7	7
SB-846	E-SB-846-09	9	9
SB-847	E-SB-847-03	3	3
SB-847	E-SB-847-05	5	5
SB-847	E-SB-847-07	7	7
SB-847	E-SB-847-09	9	9

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Phase II Site Investigation Samples (Fall/Winter 2003)			
SB-022	SB-22-05	5	5
SB-022	SB-22-10	10	10
SB-023	SB-23-05	5	5
SB-023	SB-23-10	10	10
SB-024	SB-24-05	5	5
SB-024	SB-24-10	10	10
SB-025	SB-25-05	5	5
SB-025	SB-25-10	10	10
SB-026	SB-26-10	10	10
SB-027	SB-27-10	10	10
SB-028	SB-28-10	10	10
SB-029	SB-29-10	10	10
SB-030	SB-30-05	5	5
Site-Wide Phase II Investigation Samples (2004)			
SB-050	SB-50-05	5	5
SB-050	SB-50-10	10	10
SB-055	SB-55-05	5	5
SB-055	SB-55-10	10	10
SB-056	SB-56-05	5	5
SB-056	SB-56-10	10	10
SB-093	SB-93-05	5	5
SB-093	SB-93-10	10	10
SB-094	SB-94-05	5	5
SB-094	SB-94-10	10	10
SB-095	SB-95-05	5	5
SB-095	SB-95-10	10	10
SB-096	SB-96-05	5	5
SB-096	SB-96-10	10	10
LMC MRC Groundwater Study Samples (May 2005)			
MRC-MW46A	MRC-MW46[0910]	9	10
Phase II Soil Investigation Samples (Summer 2005)			
SB-236	SB-236-05	5	5
SB-237	SB-237-05	5	5
SB-238	SB-238-05	5	5
SB-295	SB-295-0405	4	5
SB-295	SB-295-0910	9	10
SB-296	SB-296-0405	4	5
SB-296	SB-296-0910	9	10
SB-297	SB-297-0405	4	5
SB-297	SB-297-0910	9	10
SB-298	SB-298-0405	4	5
SB-298	SB-298-0910	9	10
SB-299	SB-299-0405	4	5

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-299	SB-299-0910	9	10
Additional Soil Characterization Samples (Fall 2007)			
SB-382	SB-382-0203	2	3
SB-382	SB-382-0405	4	5
SB-382	SB-382-0708	7	8
SB-383	SB-383-0203	2	3
SB-383	SB-383-0405	4	5
SB-383	SB-383-0708	7	8
SB-384	SB-384-0203	2	3
SB-384	SB-384-0405	4	5
SB-384	SB-384-0708	7	8
SB-385	SB-385-0203	2	3
SB-385	SB-385-0405	4	5
SB-385	SB-385-0708	7	8
SB-386	SB-386-0203	2	3
SB-386	SB-386-0405	4	5
SB-386	SB-386-0708	7	8
SB-387	SB-387-0203	2	3
SB-387	SB-387-0405	4	5
SB-387	SB-387-0708	7	8
SB-388	SB-388-0203	2	3
SB-388	SB-388-0405	4	5
SB-388	SB-388-0708	7	8
SB-389	SB-389-0203	2	3
SB-389	SB-389-0405	4	5
SB-389	SB-389-0708	7	8
SB-390	SB-390-0203	2	3
SB-390	SB-390-0405	4	5
SB-390	SB-390-0708	7	8
SB-391	SB-391-0203	2	3
SB-391	SB-391-0405	4	5
SB-391	SB-391-0708	7	8
SB-392	SB-392-0203	2	3
SB-392	SB-392-0405	4	5
SB-392	SB-392-0708	7	8
SB-393	SB-393-0203	2	3
SB-393	SB-393-0405	4	5
SB-393	SB-393-0708	7	8
SB-394	SB-394-0203	2	3
SB-394	SB-394-0405	4	5
SB-394	SB-394-0708	7	8
SB-395	SB-395-0203	2	3
SB-395	SB-395-0405	4	5
SB-395	SB-395-0708	7	8

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-396	SB-396-0203	2	3
SB-396	SB-396-0405	4	5
SB-396	SB-396-0708	7	8
SB-397	SB-397-0203	2	3
SB-397	SB-397-0405	4	5
SB-397	SB-397-0708	7	8
SB-398	SB-398-0203	2	3
SB-398	SB-398-0405	4	5
SB-398	SB-398-0708	7	8
SB-399	SB-399-0203	2	3
SB-399	SB-399-0405	4	5
SB-399	SB-399-0708	7	8
SB-400	SB-400-0203	2	3
SB-400	SB-400-0405	4	5
SB-400	SB-400-0708	7	8
SB-401	SB-401-0203	2	3
SB-401	SB-401-0405	4	5
SB-401	SB-401-0708	7	8
SB-402	SB-402-0203	2	3
SB-402	SB-402-0405	4	5
SB-402	SB-402-0708	7	8
SB-403	SB-403-0203	2	3
SB-403	SB-403-0405	4	5
SB-403	SB-403-0708	7	8
SB-404	SB-404-0203	2	3
SB-404	SB-404-0405	4	5
SB-404	SB-404-0708	7	8
SB-405	SB-405-0203	2	3
SB-405	SB-405-0405	4	5
SB-405	SB-405-0708	7	8
SB-406	SB-406-0203	2	3
SB-406	SB-406-0405	4	5
SB-406	SB-406-0708	7	8
SB-407	SB-407-0203	2	3
SB-407	SB-407-0405	4	5
SB-407	SB-407-0708	7	8
SB-408	SB-408-0203	2	3
SB-408	SB-408-0405	4	5
SB-408	SB-408-0708	7	8
SB-409	SB-409-0203	2	3
SB-409	SB-409-0405	4	5
SB-409	SB-409-0708	7	8
SB-489	SB-489-0203	2	3
SB-489	SB-489-0405	4	5

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-489	SB-489-0708	7	8
SB-490	SB-490-0405	4	5
SB-490	SB-490-0708	7	8
Final Soil Delineation Samples (Fall 2009)			
SB-024A	F-SB-24ARE-3	3	3
SB-024A	F-SB-24ARE-4	4	4
SB-024A	F-SB-24ARE-5	5	5
SB-055	F-SB-55RE-10	10	10
SB-056	F-SB-56RE-3	3	3
SB-056	F-SB-56RE-4	4	4
SB-056	F-SB-56RE-5	5	5
SB-056	F-SB-56RE-6	6	6
SB-056	F-SB-56RE-7	7	7
SB-056	F-SB-56RE-8	8	8
SB-056	F-SB-56RE-9	9	9
SB-056	F-SB-56RE-10	10	10
SB-093	F-SB-93RE-3	3	3
SB-093	F-SB-93RE-4	4	4
SB-093	F-SB-93RE-5	5	5
SB-093	F-SB-93RE-6	6	6
SB-093	F-SB-93RE-7	7	7
SB-093	F-SB-93RE-8	8	8
SB-093	F-SB-93RE-9	9	9
SB-093	F-SB-93RE-10	10	10
SB-094	F-SB-94RE-3	3	3
SB-094	F-SB-94RE-4	4	4
SB-094	F-SB-94RE-5	5	5
SB-094	F-SB-94RE-6	6	6
SB-094	F-SB-94RE-7	7	7
SB-094	F-SB-94RE-8	8	8
SB-094	F-SB-94RE-9	9	9
SB-094	F-SB-94RE-10	10	10
SB-095	F-SB-95RE-3	3	3
SB-095	F-SB-95RE-4	4	4
SB-095	F-SB-95RE-5	5	5
SB-095	F-SB-95RE-6	6	6
SB-095	F-SB-95RE-7	7	7
SB-095	F-SB-95RE-8	8	8
SB-095	F-SB-95RE-9	9	9
SB-095	F-SB-95RE-10	10	10
SB-096	F-SB-96RE-3	3	3
SB-096	F-SB-96RE-4	4	4
SB-096	F-SB-96RE-5	5	5
SB-096	F-SB-96RE-6	6	6

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-096	F-SB-96RE-7	7	7
SB-096	F-SB-96RE-8	8	8
SB-096	F-SB-96RE-9	9	9
SB-096	F-SB-96RE-10	10	10
SB-265RE	F-SB-265RE-3	3	3
SB-265RE	F-SB-265RE-4	4	4
SB-266RE	F-SB-266RE-3	3	3
SB-266RE	F-SB-266RE-4	4	4
SB-267RE	F-SB-267RE-3	3	3
SB-267RE	F-SB-267RE-4	4	4
SB-268RE	F-SB-268RE-3	3	3
SB-268RE	F-SB-268RE-4	4	4
SB-268RE	F-SB-268RE-5	5	5
SB-268RE	F-SB-268RE-6	6	6
SB-268RE	F-SB-268RE-7	7	7
SB-268RE	F-SB-268RE-7-D	7	7
SB-268RE	F-SB-268RE-8	8	8
SB-268RE	F-SB-268RE-9	9	9
SB-268RE	F-SB-268RE-10	10	10
SB-269RE	F-SB-269RE-3	3	3
SB-269RE	F-SB-269RE-4	4	4
SB-270RE	F-SB-270RE-3	3	3
SB-270RE	F-SB-270RE-4	4	4
SB-383	F-SB-383RE-3	3	3
SB-383	F-SB-383RE-4	4	4
SB-388	F-SB-388RE-3	3	3
SB-388	F-SB-388RE-4	4	4
SB-388	F-SB-388RE-5	5	5
SB-389	F-SB-389RE-3	3	3
SB-389	F-SB-389RE-4	4	4
SB-390	F-SB-390RE-6	6	6
SB-390	F-SB-390RE-7	7	7
SB-393	F-SB-393RE-3	3	3
SB-393	F-SB-393RE-4	4	4
SB-393	F-SB-393RE-5	5	5
SB-393	F-SB-393RE-5-D	5	5
SB-393	F-SB-393RE-6	6	6
SB-393	F-SB-393RE-7	7	7
SB-397	F-SB-397RE-6	6	6
SB-397	F-SB-397RE-7	7	7
SB-405	F-SB-405RE-9	9	9
SB-405	F-SB-405RE-10	10	10
SB-626	F-SB-626-3	3	3
SB-626	F-SB-626-4	4	4

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-626	F-SB-626-5	5	5
SB-626C	F-SB-626C-3	3	3
SB-626D	F-SB-626D-3	3	3
SB-626D	F-SB-626D-3-D	3	3
SB-628	F-SB-628-10	10	10
SB-629	F-SB-629-10	10	10
SB-630	F-SB-630-10	10	10
SB-631	F-SB-631-10	10	10
SB-632	F-SB-632-9	9	9
SB-632	F-SB-632-10	10	10
SB-633	F-SB-633-9	9	9
SB-633	F-SB-633-10	10	10
SB-634	F-SB-634-9	9	9
SB-634	F-SB-634-10	10	10
SB-635	F-SB-635-9	9	9
SB-635	F-SB-635-10	10	10
SB-635	F-SB-635-10-D	10	10
SB-635C	F-SB-635C-3	3	3
SB-635C	F-SB-635C-5	5	5
SB-635C	F-SB-635C-7	7	7
SB-635C	F-SB-635C-7-D	7	7
SB-635D	F-SB-635D-5	5	5
SB-635D	F-SB-635D-7	7	7
SB-635D	F-SB-635D-9	9	9
SB-636	F-SB-636-3	3	3
SB-636	F-SB-636-3-D	3	3
SB-636	F-SB-636-5	5	5
SB-636	F-SB-636-7	7	7
SB-636	F-SB-636-9	9	9
SB-636A	F-SB-636A-3	3	3
SB-636A	F-SB-636A-5	5	5
SB-636A	F-SB-636A-7	7	7
SB-636A	F-SB-636A-7-D	7	7
SB-636B	F-SB-636B-3	3	3
SB-636B	F-SB-636B-5	5	5
SB-636B	F-SB-636B-7	7	7
SB-636C	F-SB-636C-3	3	3
SB-636C	F-SB-636C-5	5	5
SB-636C	F-SB-636C-7	7	7
SB-636D	F-SB-636D-3	3	3
SB-636D	F-SB-636D-5	5	5
SB-636D	F-SB-636D-7	7	7
SB-637	F-SB-637-3	3	3
SB-637	F-SB-637-5	5	5

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-637B	F-SB-637B-3	3	3
SB-637B	F-SB-637B-5	5	5
SB-637B	F-SB-637B-5-D	5	5
SB-637C	F-SB-637C-3	3	3
SB-637C	F-SB-637C-5	5	5
SB-638	F-SB-638-3	3	3
SB-638	F-SB-638-3-D	3	3
SB-638	F-SB-638-5	5	5
SB-639	F-SB-639-3	3	3
SB-639	F-SB-639-5	5	5
SB-640	F-SB-640-3	3	3
SB-640	F-SB-640-5	5	5
SB-641	F-SB-641-3	3	3
SB-641	F-SB-641-5	5	5
SB-641A	F-SB-641A-3	3	3
SB-641B	F-SB-641B-3	3	3
SB-641C	F-SB-641C-3	3	3
SB-642	F-SB-642-3	3	3
SB-642	F-SB-642-3-D	3	3
SB-642	F-SB-642-5	5	5
SB-642	F-SB-642-7	7	7
SB-642	F-SB-642-9	9	9
SB-642A	F-SB-642A-3	3	3
SB-642A	F-SB-642A-5	5	5
SB-642A	F-SB-642A-7	7	7
SB-642A	F-SB-642A-9	9	9
SB-642B	F-SB-642B-3	3	3
SB-642B	F-SB-642B-5	5	5
SB-642B	F-SB-642B-7	7	7
SB-642B	F-SB-642B-9	9	9
SB-642C	F-SB-642C-3	3	3
SB-642C	F-SB-642C-5	5	5
SB-642C	F-SB-642C-7	7	7
SB-642C	F-SB-642C-7-D	7	7
SB-642C	F-SB-642C-9	9	9
SB-643	F-SB-643-3	3	3
SB-643	F-SB-643-5	5	5
SB-643	F-SB-643-7	7	7
SB-643	F-SB-643-9	9	9
SB-643B	F-SB-643B-3	3	3
SB-643B	F-SB-643B-5	5	5
SB-643B	F-SB-643B-7	7	7
SB-643B	F-SB-643B-7-D	7	7
SB-643B	F-SB-643B-9	9	9

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-643C	F-SB-643C-3	3	3
SB-643C	F-SB-643C-5	5	5
SB-643C	F-SB-643C-7	7	7
SB-643C	F-SB-643C-9	9	9
SB-644	F-SB-644-3	3	3
SB-644	F-SB-644-3-D	3	3
SB-644	F-SB-644-5	5	5
SB-644	F-SB-644-7	7	7
SB-644	F-SB-644-9	9	9
SB-645	F-SB-645-3	3	3
SB-645	F-SB-645-5	5	5
SB-645	F-SB-645-7	7	7
SB-645A	F-SB-645A-3	3	3
SB-645B	F-SB-645B-3	3	3
SB-645B	F-SB-645B-3-D	3	3
SB-645C	F-SB-645C-3	3	3
SB-646	F-SB-646-3	3	3
SB-646	F-SB-646-3-D	3	3
SB-646	F-SB-646-5	5	5
SB-646	F-SB-646-7	7	7
SB-647	F-SB-647-3	3	3
SB-647	F-SB-647-5	5	5
SB-647	F-SB-647-7	7	7
SB-647A	F-SB-647A-3	3	3
SB-647B	F-SB-647B-3	3	3
SB-647C	F-SB-647C-3	3	3
SB-648	F-SB-648-3	3	3
SB-648	F-SB-648-5	5	5
SB-648	F-SB-648-7	7	7
SB-649	F-SB-649-3	3	3
SB-649	F-SB-649-5	5	5
SB-650	F-SB-650-3	3	3
SB-650	F-SB-650-3-D	3	3
SB-650	F-SB-650-5	5	5
SB-651	F-SB-651-3	3	3
SB-651	F-SB-651-5	5	5
SB-652	F-SB-652-3	3	3
SB-652	F-SB-652-5	5	5
SB-652	F-SB-652-7	7	7
SB-652	F-SB-652-9	9	9
SB-652A	F-SB-652A-3	3	3
SB-652A	F-SB-652A-5	5	5
SB-652A	F-SB-652A-7	7	7
SB-652B	F-SB-652B-3	3	3

Table 3-8

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-652B	F-SB-652B-5	5	5
SB-652B	F-SB-652B-7	7	7
SB-652C	F-SB-652C-3	3	3
SB-652C	F-SB-652C-5	5	5
SB-652C	F-SB-652C-7	7	7
Data Gap Investigation Samples (Fall 2010)			
SB-797	F-SB-797-03	3	3
SB-797	F-SB-797-05	5	5
SB-798	F-SB-798-03	3	3
SB-798	F-SB-798-03-D	3	3
SB-798	F-SB-798-05	5	5
SB-799	F-SB-799-03	3	3
SB-799	F-SB-799-05	5	5
SB-800	F-SB-800-03	3	3
SB-800	F-SB-800-05	5	5
SB-800	F-SB-800-05-D	5	5
SB-801	F-SB-801-03	3	3
SB-801	F-SB-801-05	5	5
SB-802	F-SB-802-03	3	3
SB-802	F-SB-802-05	5	5

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Site-Wide Phase II Investigation Samples (2004)			
SB-081	SB-81-05	5	5
SB-082	SB-82-05	5	5
SB-083	SB-83-05	5	5
SB-084	SB-84-05	5	5
SB-085	SB-85-05	5	5
SB-085	SB-85-10	10	10
SB-086	SB-86-05	5	5
SB-086	SB-86-10	10	10
SB-087	SB-87-05	5	5
SB-088	SB-88-05	5	5
SB-089	SB-89-05	5	5
SB-090	SB-90-05	5	5
SB-091	SB-91-05	5	5
SB-092	SB-92-04	4	4
SB-181	SB-181-05	5	5
SB-182	SB-182-05	5	5
SB-184	SB-184-05	5	5
SB-185	SB-185-05	5	5
SB-186	SB-186-05	5	5
SB-187	SB-187-05	5	5
SB-188	SB-188-05	5	5
SB-189	SB-189-05	5	5
SB-190	SB-190-05	5	5
SB-191	SB-191-05	5	5
SB-192	SB-192-05	5	5
Phase II Soil Investigation Samples (Summer 2005)			
SB-194	SB-194-05	5	5
SB-194	SB-194-10	10	10
SB-195	SB-195-05	5	5
SB-195	SB-195-10	10	10
SB-196	SB-196-05	5	5
SB-196	SB-196-10	10	10
SB-197	SB-197-05	5	5
SB-197	SB-197-10	10	10
SB-198	SB-198-05	5	5
SB-198	SB-198-10	10	10
SB-199	SB-199-05	5	5
SB-199	SB-199-10	10	10
SB-262	SB-262-05	5	5
SB-262	SB-262-10	10	10
SB-263	SB-263-05	5	5
SB-263	SB-263-10	10	10
SB-264	SB-264-05	5	5
SB-264	SB-264-10	10	10

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
ISCO Pilot Study Samples (November 2007)			
OW-5	OW-5-4	4	4
OW-5	OW-5-6	6	6
Additional Soil Characterization Samples (Fall 2007)[(2)]			
SB-410	SB-410-0203	2	3
SB-410	SB-410-0304	3	4
SB-410	SB-410-0506	5	6
SB-410	SB-410-0708	7	8
SB-411	SB-411-0203	2	3
SB-411	SB-411-0304	3	4
SB-411	SB-411-0506	5	6
SB-411	SB-411-0708	7	8
SB-412	SB-412-0203	2	3
SB-412	SB-412-0304	3	4
SB-412	SB-412-0506	5	6
SB-412	SB-412-0708	7	8
SB-413	SB-413-0203	2	3
SB-413	SB-413-0304	3	4
SB-413	SB-413-0506	5	6
SB-413	SB-413-0708	7	8
SB-414	SB-414-0203	2	3
SB-414	SB-414-0304	3	4
SB-414	SB-414-0506	5	6
SB-414	SB-414-0708	7	8
SB-415	SB-415-0203	2	3
SB-415	SB-415-0304	3	4
SB-415	SB-415-0506	5	6
SB-415	SB-415-0708	7	8
SB-416	SB-416-0203	2	3
SB-416	SB-416-0304	3	4
SB-416	SB-416-0506	5	6
SB-416	SB-416-0708	7	8
SB-417	SB-417-0203	2	3
SB-417	SB-417-0304	3	4
SB-417	SB-417-0506	5	6
SB-417	SB-417-0708	7	8
SB-418	SB-418-0203	2	3
SB-418	SB-418-0304	3	4
SB-418	SB-418-0506	5	6
SB-418	SB-418-0708	7	8
SB-419	SB-419-0203	2	3
SB-419	SB-419-0304	3	4
SB-419	SB-419-0506	5	6
SB-419	SB-419-0708	7	8
SB-420	SB-420-0203	2	3

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-420	SB-420-0304	3	4
SB-420	SB-420-0506	5	6
SB-420	SB-420-0708	7	8
SB-421	SB-421-0203	2	3
SB-421	SB-421-0304	3	4
SB-421	SB-421-0506	5	6
SB-421	SB-421-0708	7	8
SB-422	SB-422-0203	2	3
SB-422	SB-422-0304	3	4
SB-422	SB-422-0506	5	6
SB-422	SB-422-0708	7	8
SB-423	SB-423-0203	2	3
SB-423	SB-423-0304	3	4
SB-423	SB-423-0506	5	6
SB-423	SB-423-0708	7	8
SB-424	SB-424-0203	2	3
SB-424	SB-424-0304	3	4
SB-424	SB-424-0506	5	6
SB-424	SB-424-0708	7	8
SB-425	SB-425-0203	2	3
SB-425	SB-425-0304	3	4
SB-425	SB-425-0506	5	6
SB-425	SB-425-0708	7	8
SB-426	SB-426-0203	2	3
SB-426	SB-426-0304	3	4
SB-426	SB-426-0506	5	6
SB-426	SB-426-0708	7	8
SB-427	SB-427-0203	2	3
SB-427	SB-427-0304	3	4
SB-427	SB-427-0506	5	6
SB-427	SB-427-0708	7	8
SB-428	SB-428-0203	2	3
SB-428	SB-428-0304	3	4
SB-428	SB-428-0506	5	6
SB-428	SB-428-0708	7	8
SB-429	SB-429-0203	2	3
SB-429	SB-429-0304	3	4
SB-429	SB-429-0506	5	6
SB-429	SB-429-0708	7	8
SB-430	SB-430-0203	2	3
SB-430	SB-430-0304	3	4
SB-430	SB-430-0506	5	6
SB-430	SB-430-0708	7	8
SB-431	SB-431-0203	2	3
SB-431	SB-431-0304	3	4

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-431	SB-431-0506	5	6
SB-431	SB-431-0708	7	8
SB-432	SB-432-0203	2	3
SB-432	SB-432-0304	3	4
SB-432	SB-432-0506	5	6
SB-432	SB-432-0708	7	8
SB-433	SB-433-0203	2	3
SB-433	SB-433-0304	3	4
SB-433	SB-433-0506	5	6
SB-433	SB-433-0708	7	8
SB-434	SB-434-0203	2	3
SB-434	SB-434-0304	3	4
SB-434	SB-434-0506	5	6
SB-434	SB-434-0708	7	8
SB-435	SB-435-0203	2	3
SB-435	SB-435-0304	3	4
SB-435	SB-435-0506	5	6
SB-435	SB-435-0708	7	8
SB-436	SB-436-0203	2	3
SB-436	SB-436-0304	3	4
SB-436	SB-436-0506	5	6
SB-436	SB-436-0708	7	8
SB-437	SB-437-0203	2	3
SB-437	SB-437-0304	3	4
SB-437	SB-437-0506	5	6
SB-437	SB-437-0708	7	8
SB-438	SB-438-0203	2	3
SB-438	SB-438-0304	3	4
SB-438	SB-438-0506	5	6
SB-438	SB-438-0708	7	8
SB-439	SB-439-0203	2	3
SB-439	SB-439-0304	3	4
SB-439	SB-439-0506	5	6
SB-439	SB-439-0708	7	8
SB-440	SB-440-0203	2	3
SB-440	SB-440-0304	3	4
SB-440	SB-440-0506	5	6
SB-441	SB-441-0203	2	3
SB-441	SB-441-0304	3	4
SB-441	SB-441-0506	5	6
SB-441	SB-441-0708	7	8
SB-442	SB-442-0203	2	3
SB-442	SB-442-0304	3	4
SB-442	SB-442-0506	5	6
SB-442	SB-442-0708	7	8

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-443	SB-443-0203	2	3
SB-443	SB-443-0304	3	4
SB-443	SB-443-0506	5	6
SB-443	SB-443-0708	7	8
SB-444	SB-444-0203	2	3
SB-444	SB-444-0304	3	4
SB-444	SB-444-0506	5	6
SB-444	SB-444-0708	7	8
SB-445	SB-445-0203	2	3
SB-445	SB-445-0304	3	4
SB-445	SB-445-0506	5	6
SB-445	SB-445-0708	7	8
SB-446	SB-446-0203	2	3
SB-446	SB-446-0304	3	4
SB-446	SB-446-0506	5	6
SB-446	SB-446-0708	7	8
SB-447	SB-447-0203	2	3
SB-448	SB-448-0203	2	3
SB-448	SB-448-0304	3	4
SB-448	SB-448-0506	5	6
SB-448	SB-448-0708	7	8
SB-449	SB-449-0203	2	3
SB-449	SB-449-0304	3	4
SB-449	SB-449-0506	5	6
SB-449	SB-449-0708	7	8
SB-450	SB-450-0203	2	3
SB-450	SB-450-0304	3	4
SB-450	SB-450-0506	5	6
SB-450	SB-450-0708	7	8
SB-451	SB-451-0203	2	3
SB-451	SB-451-0304	3	4
SB-451	SB-451-0506	5	6
SB-451	SB-451-0708	7	8
SB-452	SB-452-0203	2	3
SB-452	SB-452-0304	3	4
SB-452	SB-452-0506	5	6
SB-452	SB-452-0708	7	8
SB-453	SB-453-0203	2	3
SB-453	SB-453-0304	3	4
SB-453	SB-453-0506	5	6
SB-453	SB-453-0708	7	8
SB-454	SB-454-0203	2	3
SB-454	SB-454-0304	3	4
SB-454	SB-454-0506	5	6
SB-454	SB-454-0708	7	8

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-455	SB-455-0203	2	3
SB-455	SB-455-0304	3	4
SB-455	SB-455-0506	5	6
SB-455	SB-455-0708	7	8
SB-456	SB-456-0203	2	3
SB-456	SB-456-0304	3	4
SB-456	SB-456-0506	5	6
SB-456	SB-456-0708	7	8
Final Soil Delineation Samples (Fall 2009)			
SB-091	G-SB-91RE-3	3	3
SB-091	G-SB-91RE-5	5	5
SB-091	G-SB-91RE-6	6	6
SB-091	G-SB-91RE-7	7	7
SB-091	G-SB-91RE-8	8	8
SB-091	G-SB-91RE-8-D	8	8
SB-091	G-SB-91RE-9	9	9
SB-091	G-SB-91RE-10	10	10
SB-091A	G-SB-91REA-3	3	3
SB-091A	G-SB-91REA-5	5	5
SB-091A	G-SB-91REA-7	7	7
SB-091A	G-SB-91REA-7-D	7	7
SB-091A	G-SB-91REA-9	9	9
SB-091B	G-SB-91REB-3	3	3
SB-091B	G-SB-91REB-5	5	5
SB-091B	G-SB-91REB-7	7	7
SB-091B	G-SB-91REB-9	9	9
SB-091C	G-SB-91REC-3	3	3
SB-091C	G-SB-91REC-5	5	5
SB-091C	G-SB-91REC-7	7	7
SB-091C	G-SB-91REC-9	9	9
SB-092	G-SB-92RE-3	3	3
SB-092	G-SB-92RE-4	4	4
SB-092	G-SB-92RE-5	5	5
SB-092	G-SB-92RE-6	6	6
SB-092	G-SB-92RE-7	7	7
SB-092	G-SB-92RE-7-D	7	7
SB-092	G-SB-92RE-8	8	8
SB-092	G-SB-92RE-9	9	9
SB-092	G-SB-92RE-10	10	10
SB-092C	G-SB-92REC-3	3	3
SB-092C	G-SB-92REC-5	5	5
SB-092C	G-SB-92REC-7	7	7
SB-092C	G-SB-92REC-9	9	9
SB-092D	G-SB-92RED-3	3	3
SB-092D	G-SB-92RED-5	5	5

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-092D	G-SB-92RED-7	7	7
SB-092D	G-SB-92RED-9	9	9
SB-194	G-SB-194RE-3	3	3
SB-194	G-SB-194RE-4	4	4
SB-194	G-SB-194RE-5	5	5
SB-196	G-SB-196RE-6	6	6
SB-196	G-SB-196RE-7	7	7
SB-196	G-SB-196RE-7-D	7	7
SB-196	G-SB-196RE-8	8	8
SB-196	G-SB-196RE-9	9	9
SB-196	G-SB-196RE-10	10	10
SB-197	G-SB-197RE-6	6	6
SB-197	G-SB-197RE-6-D	6	6
SB-197	G-SB-197RE-7	7	7
SB-198	G-SB-198RE-3	3	3
SB-198	G-SB-198RE-4	4	4
SB-198	G-SB-198RE-5	5	5
SB-198	G-SB-198RE-6	6	6
SB-198	G-SB-198RE-7	7	7
SB-198	G-SB-198RE-8	8	8
SB-198	G-SB-198RE-9	9	9
SB-199	G-SB-199RE-6	6	6
SB-199	G-SB-199RE-7	7	7
SB-255	G-SB-255RE-3	3	3
SB-255	G-SB-255RE-4	4	4
SB-255	G-SB-255RE-5	5	5
SB-424	G-SB-424RE-5	5	5
SB-424	G-SB-424RE-5-D	5	5
SB-424	G-SB-424RE-6	6	6
SB-437	G-SB-437RE-3	3	3
SB-437	G-SB-437RE-4	4	4
SB-441	G-SB-441RE-7	7	7
SB-441	G-SB-441RE-8	8	8
SB-453	G-SB-453RE-5	5	5
SB-453	G-SB-453RE-6	6	6
SB-456	G-SB-456RE-9	9	9
SB-456	G-SB-456RE-10	10	10
SB-457	G-SB-457RE-3	3	3
SB-457	G-SB-457RE-4	4	4
SB-653	G-SB-653-3	3	3
SB-653	G-SB-653-5	5	5
SB-653	G-SB-653-6	6	6
SB-653	G-SB-653-7	7	7
SB-653	G-SB-653-8	8	8
SB-653	G-SB-653-9	9	9

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-653	G-SB-653-9-D	9	9
SB-653A	G-SB-653A-3	3	3
SB-653A	G-SB-653A-5	5	5
SB-653A	G-SB-653A-7	7	7
SB-653B	G-SB-653B-3	3	3
SB-653B	G-SB-653B-5	5	5
SB-653B	G-SB-653B-7	7	7
SB-653D	G-SB-653D-3	3	3
SB-653D	G-SB-653D-5	5	5
SB-653D	G-SB-653D-7	7	7
SB-654	G-SB-654-3	3	3
SB-654	G-SB-654-5	5	5
SB-654B	G-SB-654B-3	3	3
SB-654B	G-SB-654B-5	5	5
SB-654C	G-SB-654C-3	3	3
SB-654C	G-SB-654C-5	5	5
SB-656	G-SB-656-3	3	3
SB-656	G-SB-656-5	5	5
SB-656	G-SB-656-6	6	6
SB-656	G-SB-656-7	7	7
SB-656	G-SB-656-8	8	8
SB-656	G-SB-656-9	9	9
SB-656C	G-SB-656C-4	4	4
SB-656C	G-SB-656C-6	6	6
SB-656C	G-SB-656C-8	8	8
SB-656C	G-SB-656C-8-D	8	8
SB-656D	G-SB-656D-4	4	4
SB-656D	G-SB-656D-6	6	6
SB-656D	G-SB-656D-8	8	8
SB-657A	G-SB-657A-3	3	3
SB-657A	G-SB-657A-5	5	5
SB-657A	G-SB-657A-5-D	5	5
SB-657A	G-SB-657A-7	7	7
SB-657A	G-SB-657A-9	9	9
SB-657B	G-SB-657B-3	3	3
SB-657B	G-SB-657B-5	5	5
SB-657B	G-SB-657B-5-D	5	5
SB-657B	G-SB-657B-7	7	7
SB-657B	G-SB-657B-9	9	9
SB-657D	G-SB-657D-3	3	3
SB-657D	G-SB-657D-5	5	5
SB-657D	G-SB-657D-7	7	7
SB-657D	G-SB-657D-9	9	9
SB-658B	G-SB-658B-3	3	3
SB-658B	G-SB-658B-5	5	5

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-658B	G-SB-658B-7	7	7
SB-658B	G-SB-658B-9	9	9
SB-658C	G-SB-658C-3	3	3
SB-658C	G-SB-658C-5	5	5
SB-658C	G-SB-658C-7	7	7
SB-658C	G-SB-658C-9	9	9
SB-659C	G-SB-659C-3	3	3
SB-659C	G-SB-659C-5	5	5
SB-659C	G-SB-659C-7	7	7
SB-659C	G-SB-659C-9	9	9
SB-659D	G-SB-659D-3	3	3
SB-659D	G-SB-659D-5	5	5
SB-659D	G-SB-659D-7	7	7
SB-659D	G-SB-659D-7-D	7	7
SB-659D	G-SB-659D-9	9	9
SB-661	G-SB-661-6	6	6
SB-661	G-SB-661-7	7	7
SB-662	G-SB-662-6	6	6
SB-662	G-SB-662-7	7	7
SB-662	G-SB-662-8	8	8
SB-662	G-SB-662-9	9	9
SB-662	G-SB-662-10	10	10
SB-662A	G-SB-662A-3	3	3
SB-662A	G-SB-662A-5	5	5
SB-662A	G-SB-662A-7	7	7
SB-662A	G-SB-662A-9	9	9
SB-662B	G-SB-662B-3	3	3
SB-662B	G-SB-662B-5	5	5
SB-662B	G-SB-662B-7	7	7
SB-662B	G-SB-662B-7-D	7	7
SB-662B	G-SB-662B-9	9	9
SB-662C	G-SB-662C-3	3	3
SB-662C	G-SB-662C-5	5	5
SB-662C	G-SB-662C-7	7	7
SB-662C	G-SB-662C-9	9	9
SB-663	G-SB-663-6	6	6
SB-663	G-SB-663-6-D	6	6
SB-663	G-SB-663-7	7	7
SB-664	G-SB-664-6	6	6
SB-664	G-SB-664-7	7	7
SB-665	G-SB-665-6	6	6
SB-665	G-SB-665-7	7	7
SB-666	G-SB-666-6	6	6
SB-666	G-SB-666-7	7	7
SB-667	G-SB-667-6	6	6

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-667	G-SB-667-7	7	7
SB-668	G-SB-668-6	6	6
SB-668	G-SB-668-7	7	7
SB-671	G-SB-671-3	3	3
SB-671	G-SB-671-4	4	4
SB-671	G-SB-671-5	5	5
SB-671	G-SB-671-6	6	6
SB-671	G-SB-671-7	7	7
SB-671	G-SB-671-7-D	7	7
SB-671	G-SB-671-8	8	8
SB-671	G-SB-671-9	9	9
SB-671	G-SB-671RE-10	10	10
SB-671B	G-SB-671B-3	3	3
SB-671B	G-SB-671B-5	5	5
SB-671B	G-SB-671B-7	7	7
SB-671B	G-SB-671B-9	9	9
SB-671C	G-SB-671C-3	3	3
SB-671C	G-SB-671C-5	5	5
SB-671C	G-SB-671C-7	7	7
SB-671C	G-SB-671C-7-D	7	7
SB-671C	G-SB-671C-9	9	9
SB-671D	G-SB-671D-3	3	3
SB-671D	G-SB-671D-5	5	5
SB-671D	G-SB-671D-7	7	7
SB-671D	G-SB-671D-9	9	9
SB-673	G-SB-673-6	6	6
SB-673	G-SB-673-7	7	7
SB-674	G-SB-674-6	6	6
SB-674	G-SB-674-7	7	7
SB-675	G-SB-675-6	6	6
SB-675	G-SB-675-7	7	7
SB-676	G-SB-676-6	6	6
SB-676	G-SB-676-7	7	7
SB-677	G-SB-677-3	3	3
SB-677	G-SB-677-4	4	4
SB-677	G-SB-677-5	5	5
SB-677	G-SB-677-6	6	6
SB-677	G-SB-677-7	7	7
SB-677	G-SB-677-8	8	8
SB-677	G-SB-677-9	9	9
SB-677A	G-SB-677A-3	3	3
SB-677A	G-SB-677A-5	5	5
SB-677A	G-SB-677A-7	7	7
SB-677A	G-SB-677A-9	9	9
SB-677B	G-SB-677B-3	3	3

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-677B	G-SB-677B-5	5	5
SB-677B	G-SB-677B-7	7	7
SB-677B	G-SB-677B-9	9	9
SB-677B	G-SB-677B-9-D	9	9
SB-677D	G-SB-677D-3	3	3
SB-677D	G-SB-677D-5	5	5
SB-677D	G-SB-677D-7	7	7
SB-677D	G-SB-677D-9	9	9
SB-678	G-SB-678-3	3	3
SB-678	G-SB-678-4	4	4
SB-678	G-SB-678-5	5	5
SB-678	G-SB-678-6	6	6
SB-678	G-SB-678-7	7	7
SB-678	G-SB-678-8	8	8
SB-678	G-SB-678-8-D	8	8
SB-678	G-SB-678-9	9	9
SB-678B	G-SB-678B-3	3	3
SB-678B	G-SB-678B-3-D	3	3
SB-678B	G-SB-678B-5	5	5
SB-678B	G-SB-678B-7	7	7
SB-678B	G-SB-678B-9	9	9
SB-678C	G-SB-678C-3	3	3
SB-678C	G-SB-678C-5	5	5
SB-678C	G-SB-678C-7	7	7
SB-678C	G-SB-678C-9	9	9
SB-679	G-SB-679-3	3	3
SB-679	G-SB-679-4	4	4
SB-679	G-SB-679-5	5	5
SB-679	G-SB-679-6	6	6
SB-679	G-SB-679-7	7	7
SB-679	G-SB-679-8	8	8
SB-679	G-SB-679-9	9	9
SB-679C	G-SB-679C-3	3	3
SB-679C	G-SB-679C-5	5	5
SB-679C	G-SB-679C-7	7	7
SB-679C	G-SB-679C-9	9	9
SB-679C	G-SB-679C-9-D	9	9
SB-679D	G-SB-679D-3	3	3
SB-679D	G-SB-679D-5	5	5
SB-679D	G-SB-679D-7	7	7
SB-679D	G-SB-679D-9	9	9
SB-680	G-SB-680-3	3	3
SB-680	G-SB-680-4	4	4
SB-680	G-SB-680-5	5	5
SB-680	G-SB-680-6	6	6

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-680	G-SB-680-7	7	7
SB-680	G-SB-680-8	8	8
SB-680	G-SB-680-9	9	9
SB-680D	G-SB-680D-3	3	3
SB-680D	G-SB-680D-7	7	7
SB-680D	G-SB-680D-9	9	9
SB-681	G-SB-681-5	5	5
SB-681	G-SB-681-6	6	6
SB-682	G-SB-682-5	5	5
SB-682	G-SB-682-6	6	6
SB-683	G-SB-683-5	5	5
SB-683	G-SB-683-6	6	6
SB-684	G-SB-684-5	5	5
SB-684	G-SB-684-5-D	5	5
SB-684	G-SB-684-6	6	6
SB-685	G-SB-685-3	3	3
SB-685	G-SB-685-4	4	4
SB-685	G-SB-685-4-D	4	4
SB-686	G-SB-686-3	3	3
SB-686	G-SB-686-4	4	4
SB-687	G-SB-687-3	3	3
SB-687	G-SB-687-4	4	4
SB-688	G-SB-688-3	3	3
SB-688	G-SB-688-4	4	4
SB-689	G-SB-689-7	7	7
SB-689	G-SB-689-8	8	8
SB-690	G-SB-690-7	7	7
SB-690	G-SB-690-7-D	7	7
SB-690	G-SB-690-8	8	8
SB-691	G-SB-691-7	7	7
SB-691	G-SB-691-8	8	8
SB-692	G-SB-692-7	7	7
SB-692	G-SB-692-8	8	8
SB-693	G-SB-693-5	5	5
SB-693	G-SB-693-6	6	6
SB-693	G-SB-693-7	7	7
SB-693	G-SB-693-8	8	8
SB-693	G-SB-693-9	9	9
SB-693A	G-SB-693A-4	4	4
SB-693A	G-SB-693A-6	6	6
SB-693A	G-SB-693A-8	8	8
SB-693B	G-SB-693B-4	4	4
SB-693B	G-SB-693B-6	6	6
SB-693B	G-SB-693B-8	8	8
SB-693D	G-SB-693D-4	4	4

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-693D	G-SB-693D-6	6	6
SB-693D	G-SB-693D-8	8	8
SB-693D	G-SB-693D-8-D	8	8
SB-694	G-SB-694-5	5	5
SB-694	G-SB-694-6	6	6
SB-695	G-SB-695-5	5	5
SB-695	G-SB-695-5-D	5	5
SB-695	G-SB-695-6	6	6
SB-696	G-SB-696-5	5	5
SB-696	G-SB-696-6	6	6
SB-697	G-SB-697-9	9	9
SB-697	G-SB-697-10	10	10
SB-698	G-SB-698-9	9	9
SB-698	G-SB-698-10	10	10
SB-699	G-SB-699-3	3	3
SB-699	G-SB-699-4	4	4
SB-700	G-SB-700-3	3	3
SB-700	G-SB-700-4	4	4
SB-701	G-SB-701-3	3	3
SB-701	G-SB-701-4	4	4
SB-702	G-SB-702-3	3	3
SB-702	G-SB-702-4	4	4
SB-703	G-SB-703-7	7	7
SB-703	G-SB-703-8	8	8
SB-704	G-SB-704-3	3	3
SB-704	G-SB-704-4	4	4
SB-704	G-SB-704-5	5	5
SB-704	G-SB-704-6	6	6
SB-704	G-SB-704-7	7	7
SB-704	G-SB-704-8	8	8
SB-704	G-SB-704-9	9	9
SB-704	G-SB-704-10	10	10
SB-705	G-SB-705-3	3	3
SB-705	G-SB-705-4	4	4
SB-706	G-SB-706-3	3	3
SB-706	G-SB-706-4	4	4
SB-706	G-SB-706-5	5	5
SB-706	G-SB-706-6	6	6
SB-706	G-SB-706-6-D	6	6
SB-706	G-SB-706-7	7	7
SB-706	G-SB-706-8	8	8
SB-706	G-SB-706-9	9	9
SB-706	G-SB-706-10	10	10
SB-707	G-SB-707-3	3	3
SB-707	G-SB-707-4	4	4

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-708	G-SB-708-3	3	3
SB-708	G-SB-708-4	4	4
SB-708	G-SB-708-5	5	5
SB-708	G-SB-708-6	6	6
SB-708	G-SB-708-7	7	7
SB-709	G-SB-709-3	3	3
SB-709	G-SB-709-4	4	4
SB-710	G-SB-710-3	3	3
SB-710	G-SB-710-4	4	4
SB-710	G-SB-710-4-D	4	4
SB-712	G-SB-712-3	3	3
SB-712	G-SB-712-4	4	4
SB-713	G-SB-713-3	3	3
SB-713	G-SB-713-4	4	4
SB-714	G-SB-714-3	3	3
SB-714	G-SB-714-4	4	4
SB-714	G-SB-714-5	5	5
SB-714	G-SB-714-6	6	6
SB-714	G-SB-714-6-D	6	6
SB-714	G-SB-714-7	7	7
SB-715	G-SB-715-3	3	3
SB-715	G-SB-715-4	4	4
SB-716	G-SB-716-3	3	3
SB-716	G-SB-716-5	5	5
SB-716	G-SB-716-6	6	6
SB-716	G-SB-716-7	7	7
SB-716	G-SB-716-8	8	8
SB-716	G-SB-716-9	9	9
SB-716	G-SB-716-10	10	10
SB-717	G-SB-717-3	3	3
SB-717	G-SB-717-4	4	4
SB-718	G-SB-718-3	3	3
SB-718	G-SB-718-4	4	4
SB-719	G-SB-719-3	3	3
SB-719	G-SB-719-4	4	4
SB-720	G-SB-720-3	3	3
SB-720	G-SB-720-4	4	4
SB-720	G-SB-720-5	5	5
SB-720	G-SB-720-6	6	6
SB-720	G-SB-720-7	7	7
SB-721	G-SB-721-3	3	3
SB-721	G-SB-721-4	4	4
SB-721	G-SB-721-5	5	5
SB-721	G-SB-721-6	6	6
SB-721	G-SB-721-7	7	7

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-722	G-SB-722-3	3	3
SB-722	G-SB-722-4	4	4
SB-723	G-SB-723-3	3	3
SB-723	G-SB-723-3-D	3	3
SB-723	G-SB-723-4	4	4
SB-724	G-SB-724-3	3	3
SB-724	G-SB-724-4	4	4
SB-724	G-SB-724-6	6	6
SB-724	G-SB-724-7	7	7
SB-725	G-SB-725-3	3	3
SB-725	G-SB-725-4	4	4
SB-726	G-SB-726-3	3	3
SB-726	G-SB-726-4	4	4
SB-726	G-SB-726-5	5	5
SB-726	G-SB-726-6	6	6
SB-726	G-SB-726-7	7	7
SB-726	G-SB-726-8	8	8
SB-726	G-SB-726-9	9	9
SB-726	G-SB-726-10	10	10
SB-727	G-SB-727-3	3	3
SB-727	G-SB-727-4	4	4
SB-727	G-SB-727-5	5	5
SB-727	G-SB-727-6	6	6
SB-727	G-SB-727-7	7	7
SB-728	G-SB-728-3	3	3
SB-728	G-SB-728-4	4	4
SB-728	G-SB-728-5	5	5
SB-728	G-SB-728-6	6	6
SB-728	G-SB-728-7	7	7
SB-729	G-SB-729-3	3	3
SB-729	G-SB-729-4	4	4
SB-729	G-SB-729-5	5	5
SB-729	G-SB-729-6	6	6
SB-729	G-SB-729-7	7	7
SB-730	G-SB-730-4	4	4
SB-730	G-SB-730-5	5	5
SB-731	G-SB-731-3	3	3
SB-731	G-SB-731-4	4	4
SB-732	G-SB-732-3	3	3
SB-732	G-SB-732-4	4	4
SB-732	G-SB-732-5	5	5
SB-732	G-SB-732-6	6	6
SB-732	G-SB-732-7	7	7
SB-733	G-SB-733-3	3	3
SB-733	G-SB-733-4	4	4

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-734	G-SB-734-6	6	6
SB-734	G-SB-734-7	7	7
SB-735	G-SB-735-3	3	3
SB-735	G-SB-735-5	5	5
SB-735	G-SB-735-5-D	5	5
SB-735	G-SB-735-7	7	7
SB-735	G-SB-735-9	9	9
SB-735A	G-SB-735A-3	3	3
SB-735A	G-SB-735A-5	5	5
SB-735A	G-SB-735A-9	9	9
SB-735B	G-SB-735B-3	3	3
SB-735B	G-SB-735B-5	5	5
SB-735B	G-SB-735B-7	7	7
SB-735B	G-SB-735B-7-D	7	7
SB-735B	G-SB-735B-9	9	9
SB-735C	G-SB-735C-3	3	3
SB-735C	G-SB-735C-5	5	5
SB-735C	G-SB-735C-7	7	7
SB-736	G-SB-736-3	3	3
SB-736B	G-SB-736B-3	3	3
SB-736B	G-SB-736B-5	5	5
SB-736B	G-SB-736B-7	7	7
SB-736B	G-SB-736B-9	9	9
SB-736C	G-SB-736C-3	3	3
SB-736C	G-SB-736C-5	5	5
SB-736C	G-SB-736C-7	7	7
SB-736C	G-SB-736C-9	9	9
SB-737	G-SB-737-3	3	3
SB-737	G-SB-737-5	5	5
SB-737	G-SB-737-7	7	7
SB-738	G-SB-738-4	4	4
SB-738	G-SB-738-6	6	6
SB-738	G-SB-738-8	8	8
SB-739	G-SB-739-4	4	4
SB-739	G-SB-739-6	6	6
SB-739	G-SB-739-8	8	8
SB-740	G-SB-740-4	4	4
SB-740	G-SB-740-6	6	6
SB-740	G-SB-740-8	8	8
SB-741	G-SB-741-4	4	4
SB-741	G-SB-741-6	6	6
SB-741	G-SB-741-8	8	8
SB-742	G-SB-742-4	4	4
SB-742	G-SB-742-6	6	6
SB-742	G-SB-742-8	8	8

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-743	G-SB-743-4	4	4
SB-743	G-SB-743-6	6	6
SB-743	G-SB-743-8	8	8
SB-744	G-SB-744-4	4	4
SB-744	G-SB-744-6	6	6
SB-744	G-SB-744-8	8	8
SB-745	G-SB-745-4	4	4
SB-745	G-SB-745-4-D	4	4
SB-745	G-SB-745-6	6	6
SB-745	G-SB-745-8	8	8
SB-745A	G-SB-745A-4	4	4
SB-745B	G-SB-745B-4	4	4
SB-745C	G-SB-745C-4	4	4
SB-746	G-SB-746-4	4	4
SB-746	G-SB-746-6	6	6
SB-746	G-SB-746-8	8	8
SB-747	G-SB-747-4	4	4
SB-747	G-SB-747-6	6	6
SB-747	G-SB-747-8	8	8
SB-748	G-SB-748-4	4	4
SB-748	G-SB-748-6	6	6
SB-748	G-SB-748-8	8	8
SB-749	G-SB-749-4	4	4
SB-749	G-SB-749-6	6	6
SB-750	G-SB-750-4	4	4
SB-750	G-SB-750-6	6	6
SB-751	G-SB-751-4	4	4
SB-751	G-SB-751-6	6	6
SB-752	G-SB-752-4	4	4
SB-752	G-SB-752-6	6	6
SB-752	G-SB-752-6-D	6	6
SB-753	G-SB-753-4	4	4
SB-753	G-SB-753-6	6	6
SB-754	G-SB-754-4	4	4
SB-754	G-SB-754-6	6	6
SB-755	G-SB-755-4	4	4
SB-755	G-SB-755-6	6	6
SB-755	G-SB-755-6-D	6	6
SB-756	G-SB-756-4	4	4
SB-756	G-SB-756-6	6	6
SB-757	G-SB-757-4	4	4
SB-757	G-SB-757-6	6	6
SB-758	G-SB-758-4	4	4
SB-758	G-SB-758-6	6	6
SB-759	G-SB-759-3	3	3

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-759	G-SB-759-5	5	5
SB-759	G-SB-759-7	7	7
SB-760	G-SB-760-3	3	3
SB-760	G-SB-760-5	5	5
SB-760	G-SB-760-7	7	7
SB-761	G-SB-761-3	3	3
SB-761	G-SB-761-5	5	5
SB-761	G-SB-761-7	7	7
SB-761	G-SB-761-9	9	9
SB-761A	G-SB-761A-3	3	3
SB-761A	G-SB-761A-5	5	5
SB-761A	G-SB-761A-7	7	7
SB-761A	G-SB-761A-9	9	9
SB-761B	G-SB-761B-3	3	3
SB-761B	G-SB-761B-3-D	3	3
SB-761B	G-SB-761B-5	5	5
SB-761B	G-SB-761B-7	7	7
SB-761B	G-SB-761B-9	9	9
SB-761C	G-SB-761C-3	3	3
SB-761C	G-SB-761C-5	5	5
SB-761C	G-SB-761C-7	7	7
SB-761C	G-SB-761C-9	9	9
SB-761D	G-SB-761D-3	3	3
SB-761D	G-SB-761D-5	5	5
SB-761D	G-SB-761D-7	7	7
SB-761D	G-SB-761D-7-D	7	7
SB-761D	G-SB-761D-9	9	9
SB-762	G-SB-762-3	3	3
SB-762	G-SB-762-5	5	5
SB-762	G-SB-762-7	7	7
SB-762	G-SB-762-9	9	9
SB-762A	G-SB-762A-3	3	3
SB-762A	G-SB-762A-5	5	5
SB-762A	G-SB-762A-7	7	7
SB-762A	G-SB-762A-9	9	9
SB-762B	G-SB-762B-3	3	3
SB-762B	G-SB-762B-5	5	5
SB-762B	G-SB-762B-7	7	7
SB-762B	G-SB-762B-9	9	9
SB-762C	G-SB-762C-3	3	3
SB-762C	G-SB-762C-5	5	5
SB-762C	G-SB-762C-7	7	7
SB-762D	G-SB-762D-3	3	3
SB-762D	G-SB-762D-5	5	5
SB-762D	G-SB-762D-7	7	7

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-762D	G-SB-762D-7-D	7	7
SB-762D	G-SB-762D-9	9	9
SB-763	G-SB-763-3	3	3
SB-763	G-SB-763-3-D	3	3
SB-763	G-SB-763-5	5	5
SB-763	G-SB-763-7	7	7
SB-763	G-SB-763-9	9	9
SB-763A	G-SB-763A-3	3	3
SB-763A	G-SB-763A-5	5	5
SB-763A	G-SB-763A-7	7	7
SB-763A	G-SB-763A-9	9	9
SB-763B	G-SB-763B-3	3	3
SB-763B	G-SB-763B-5	5	5
SB-763B	G-SB-763B-7	7	7
SB-763B	G-SB-763B-9	9	9
SB-763C	G-SB-763C-3	3	3
SB-763C	G-SB-763C-5	5	5
SB-763C	G-SB-763C-7	7	7
SB-763C	G-SB-763C-9	9	9
SB-763D	G-SB-763D-3	3	3
SB-763D	G-SB-763D-5	5	5
SB-763D	G-SB-763D-7	7	7
SB-763D	G-SB-763D-7-D	7	7
SB-763D	G-SB-763D-9	9	9
SB-764	G-SB-764-3	3	3
SB-764	G-SB-764-5	5	5
SB-764	G-SB-764-5-D	5	5
SB-764	G-SB-764-7	7	7
SB-764	G-SB-764-9	9	9
SB-764A	G-SB-764A-3	3	3
SB-764A	G-SB-764A-5	5	5
SB-764A	G-SB-764A-7	7	7
SB-764A	G-SB-764A-9	9	9
SB-764B	G-SB-764B-3	3	3
SB-764B	G-SB-764B-5	5	5
SB-764B	G-SB-764B-5-D	5	5
SB-764C	G-SB-764C-3	3	3
SB-764C	G-SB-764C-5	5	5
SB-764C	G-SB-764C-7	7	7
SB-764C	G-SB-764C-9	9	9
SB-764D	G-SB-764D-3	3	3
SB-764D	G-SB-764D-3-D	3	3
SB-764D	G-SB-764D-5	5	5
SB-764D	G-SB-764D-7	7	7
SB-764D	G-SB-764D-9	9	9

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-765	G-SB-765-3	3	3
SB-765	G-SB-765-5	5	5
SB-765	G-SB-765-7	7	7
SB-765	G-SB-765-9	9	9
SB-765A	G-SB-765A-3	3	3
SB-765A	G-SB-765A-5	5	5
SB-765A	G-SB-765A-7	7	7
SB-765B	G-SB-765B-3	3	3
SB-765B	G-SB-765B-5	5	5
SB-765B	G-SB-765B-7	7	7
SB-765C	G-SB-765C-3	3	3
SB-765C	G-SB-765C-5	5	5
SB-765C	G-SB-765C-7	7	7
SB-765D	G-SB-765D-3	3	3
SB-765D	G-SB-765D-5	5	5
SB-765D	G-SB-765D-7	7	7
Data Gap Investigation Samples (Fall 2010)			
SB-803	G-SB-803-03	3	3
SB-803	G-SB-803-05	5	5
SB-803	G-SB-803-07	7	7
SB-803	G-SB-803-09	9	9
SB-804	G-SB-804-03	3	3
SB-804	G-SB-804-05	5	5
SB-804	G-SB-804-07	7	7
SB-804	G-SB-804-09	9	9
SB-805	G-SB-805-07	7	7
SB-805	G-SB-805-09	9	9
SB-806	G-SB-806-03	3	3
SB-806	G-SB-806-05	5	5
SB-806	G-SB-806-07	7	7
SB-806	G-SB-806-07-D	7	7
SB-806	G-SB-806-09	9	9
SB-807	G-SB-807-03	3	3
SB-807	G-SB-807-03-D	3	3
SB-807	G-SB-807-05	5	5
SB-807	G-SB-807-07	7	7
SB-807	G-SB-807-09	9	9
SB-808	G-SB-808-03	3	3
SB-808	G-SB-808-05	5	5
SB-808	G-SB-808-07	7	7
SB-808	G-SB-808-09	9	9
SB-809	G-SB-809-03	3	3
SB-809	G-SB-809-05	5	5
SB-809	G-SB-809-07	7	7
SB-809	G-SB-809-09	9	9

Table 3-9

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-810	G-SB-810-03	3	3
SB-810	G-SB-810-05	5	5
SB-810	G-SB-810-07	7	7
SB-810	G-SB-810-09	9	9
SB-811	G-SB-811-05	5	5
SB-811	G-SB-811-07	7	7
SB-811	G-SB-811-07-D	7	7
SB-811	G-SB-811-09	9	9
SB-812	G-SB-812-03	3	3
SB-812	G-SB-812-05	5	5
SB-812	G-SB-812-07	7	7
SB-812	G-SB-812-09	9	9
SB-813	G-SB-813-03	3	3
SB-813	G-SB-813-05	5	5
SB-813	G-SB-813-07	7	7
SB-813	G-SB-813-09	9	9
Data Gap Investigation Test Pit Samples (Fall 2010)			
G-TP-1	G-TP-1-5-2-3	2	3
G-TP-1	G-TP-1-6-2-3	2	3
G-TP-1	G-TP-1-7-5-7	5	7
G-TP-1	G-TP-1-8-5-7	5	7
G-TP-1	G-TP-1-1-7-8	7	8
G-TP-1	G-TP-1-2-7-8	7	8
G-TP-2	G-TP-2-8-5-6	5	6
G-TP-2	G-TP-2-9-5-6	5	6
G-TP-2	G-TP-2-3-6-7	6	7

Table 3-10

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
LMC MRC Groundwater Study Samples (May 2005)			
MRC-MW08A	MRC-MW08[0809]	8	9
Phase II Soil Investigation Samples (Summer 2005)			
SB-200	SB-200-05	5	5
SB-200	SB-200-10	10	10
SB-201	SB-201-05	5	5
SB-201	SB-201-10	10	10
SB-202	SB-202-05	5	5
SB-202	SB-202-10	10	10
SB-203	SB-203-05	5	5
SB-203	SB-203-10	10	10
SB-282	SB-282-0405	4	5
SB-282	SB-282-0910	9	10
SB-283	SB-283-0405	4	5
SB-283	SB-283-0910	9	10
SB-284	SB-284-0405	4	5
SB-284	SB-284-0910	9	10
SB-285	SB-285-0405	4	5
SB-285	SB-285-0910	9	10
SB-286	SB-286-0405	4	5
SB-286	SB-286-0910	9	10
SB-293	SB-293-0405	4	5
SB-293	SB-293-0910	9	10
SB-294	SB-294-0405	4	5
SB-294	SB-294-0910	9	10
Additional Soil Characterization Samples (Fall 2007)			
SB-462	SB-462-0203	2	3
SB-462	SB-462-0304	3	4
SB-462	SB-462-0506	5	6
SB-462	SB-462-0708	7	8
SB-463	SB-463-0203	2	3
SB-463	SB-463-0304	3	4
SB-463	SB-463-0506	5	6
SB-463	SB-463-0708	7	8
SB-464	SB-464-0203	2	3
SB-464	SB-464-0304	3	4
SB-464	SB-464-0506	5	6
SB-464	SB-464-0708	7	8
SB-465	SB-465-0203	2	3
SB-465	SB-465-0304	3	4
SB-465	SB-465-0506	5	6
SB-465	SB-465-0708	7	8
SB-466	SB-466-0203	2	3
SB-466	SB-466-0304	3	4
SB-466	SB-466-0506	5	6

Table 3-10

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-466	SB-466-0708	7	8
SB-467	SB-467-0203	2	3
SB-467	SB-467-0304	3	4
SB-467	SB-467-0506	5	6
SB-467	SB-467-0708	7	8
SB-468	SB-468-0203	2	3
SB-468	SB-468-0304	3	4
SB-468	SB-468-0506	5	6
SB-468	SB-468-0708	7	8
SB-469	SB-469-0203	2	3
SB-469	SB-469-0304	3	4
SB-469	SB-469-0506	5	6
SB-469	SB-469-0708	7	8
SB-470	SB-470-0203	2	3
SB-470	SB-470-0304	3	4
SB-470	SB-470-0506	5	6
SB-470	SB-470-0708	7	8
SB-471	SB-471-0203	2	3
SB-471	SB-471-0304	3	4
SB-471	SB-471-0506	5	6
SB-471	SB-471-0708	7	8
SB-472	SB-472-0203	2	3
SB-472	SB-472-0304	3	4
SB-472	SB-472-0506	5	6
SB-472	SB-472-0708	7	8
SB-473	SB-473-0203	2	3
SB-473	SB-473-0304	3	4
SB-473	SB-473-0506	5	6
SB-473	SB-473-0708	7	8
SB-474	SB-474-0203	2	3
SB-474	SB-474-0304	3	4
SB-474	SB-474-0506	5	6
SB-474	SB-474-0708	7	8
SB-475	SB-475-0203	2	3
SB-475	SB-475-0304	3	4
SB-475	SB-475-0506	5	6
SB-475	SB-475-0708	7	8
SB-476	SB-476-0203	2	3
SB-476	SB-476-0304	3	4
SB-476	SB-476-0506	5	6
SB-476	SB-476-0708	7	8
SB-477	SB-477-0203	2	3
SB-477	SB-477-0304	3	4
SB-477	SB-477-0506	5	6
SB-477	SB-477-0708	7	8

Table 3-10

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-478	SB-478-0203	2	3
SB-478	SB-478-0304	3	4
SB-478	SB-478-0506	5	6
SB-478	SB-478-0708	7	8
SB-479	SB-479-0203	2	3
SB-479	SB-479-0304	3	4
SB-479	SB-479-0506	5	6
SB-479	SB-479-0708	7	8
SB-480	SB-480-0203	2	3
SB-480	SB-480-0304	3	4
SB-480	SB-480-0506	5	6
SB-480	SB-480-0708	7	8
SB-481	SB-481-0203	2	3
SB-481	SB-481-0304	3	4
SB-481	SB-481-0506	5	6
SB-481	SB-481-0708	7	8
SB-482	SB-482-0203	2	3
SB-482	SB-482-0304	3	4
SB-482	SB-482-0506	5	6
SB-482	SB-482-0708	7	8
SB-483	SB-483-0203	2	3
SB-483	SB-483-0304	3	4
SB-483	SB-483-0506	5	6
SB-483	SB-483-0708	7	8
SB-484	SB-484-0203	2	3
SB-484	SB-484-0304	3	4
SB-484	SB-484-0506	5	6
SB-484	SB-484-0708	7	8
SB-485	SB-485-0203	2	3
SB-485	SB-485-0304	3	4
SB-485	SB-485-0506	5	6
SB-485	SB-485-0708	7	8
SB-486	SB-486-0203	2	3
SB-486	SB-486-0304	3	4
SB-486	SB-486-0506	5	6
SB-486	SB-486-0708	7	8
SB-487	SB-487-0203	2	3
SB-487	SB-487-0304	3	4
SB-487	SB-487-0506	5	6
SB-487	SB-487-0708	7	8
SB-488	SB-488-0203	2	3
SB-488	SB-488-0304	3	4
SB-488	SB-488-0506	5	6
SB-488	SB-488-0708	7	8

Table 3-10

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Final Soil Delineation Samples (Fall 2009)			
SB-282	H-SB-282RE-3	3	3
SB-282	H-SB-282RE-4	4	4
SB-282	H-SB-282RE-5	5	5
SB-282	H-SB-282RE-6	6	6
SB-282	H-SB-282RE-7	7	7
SB-282	H-SB-282RE-7-D	7	7
SB-282	H-SB-282RE-8	8	8
SB-282	H-SB-282RE-9	9	9
SB-282	H-SB-282RE-10	10	10
SB-282A	H-SB-282REA-3	3	3
SB-282A	H-SB-282REA-5	5	5
SB-282A	H-SB-282REA-7	7	7
SB-282A	H-SB-282REA-9	9	9
SB-282A	H-SB-282REA-9-D	9	9
SB-282B	H-SB-282REB-3	3	3
SB-282B	H-SB-282REB-5	5	5
SB-282B	H-SB-282REB-7	7	7
SB-282B	H-SB-282REB-9	9	9
SB-282C	H-SB-282REC-3	3	3
SB-282C	H-SB-282REC-5	5	5
SB-282C	H-SB-282REC-7	7	7
SB-282C	H-SB-282REC-9	9	9
SB-282C	H-SB-282REC-9-D	9	9
SB-282D	H-SB-282RED-3	3	3
SB-282D	H-SB-282RED-5	5	5
SB-282D	H-SB-282RED-7	7	7
SB-282D	H-SB-282RED-9	9	9
SB-283	H-SB-283RE-3	3	3
SB-283	H-SB-283RE-4	4	4
SB-284	H-SB-284RE-3	3	3
SB-284	H-SB-284RE-4	4	4
SB-474	H-SB-474RE-5	5	5
SB-474	H-SB-474RE-6	6	6
SB-604	H-SB-604-3	3	3
SB-604	H-SB-604-4	4	4
SB-604	H-SB-604-5	5	5
SB-604	H-SB-604-6	6	6
SB-604	H-SB-604-7	7	7
SB-604A	H-SB-604A-3	3	3
SB-604A	H-SB-604A-5	5	5
SB-604A	H-SB-604A-7	7	7
SB-604B	H-SB-604B-3	3	3
SB-604B	H-SB-604B-5	5	5
SB-604B	H-SB-604B-7	7	7

Table 3-10

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-604D	H-SB-604D-3	3	3
SB-604D	H-SB-604D-3-D	3	3
SB-604D	H-SB-604D-5	5	5
SB-604D	H-SB-604D-7	7	7
SB-605	H-SB-605-3	3	3
SB-605	H-SB-605-4	4	4
SB-606	H-SB-606-3	3	3
SB-606	H-SB-606-4	4	4
SB-607	H-SB-607-3	3	3
SB-607	H-SB-607-4	4	4
SB-608	H-SB-608-3	3	3
SB-608	H-SB-608-4	4	4
SB-608	H-SB-608-4-D	4	4
SB-609	H-SB-609-3	3	3
SB-609	H-SB-609-4	4	4
SB-610	H-SB-610-3	3	3
SB-610	H-SB-610-4	4	4
SB-610	H-SB-610-5	5	5
SB-610	H-SB-610-6	6	6
SB-610	H-SB-610-7	7	7
SB-610B	H-SB-610B-3	3	3
SB-610B	H-SB-610B-5	5	5
SB-610B	H-SB-610B-5-D	5	5
SB-610C	H-SB-610C-3	3	3
SB-610C	H-SB-610C-5	5	5
SB-610D	H-SB-610D-3	3	3
SB-610D	H-SB-610D-5	5	5
SB-611	H-SB-611-3	3	3
SB-611	H-SB-611-4	4	4
SB-611	H-SB-611-5	5	5
SB-611	H-SB-611-6	6	6
SB-611	H-SB-611-7	7	7
SB-611A	H-SB-611A-3	3	3
SB-611A	H-SB-611A-5	5	5
SB-611D	H-SB-611D-3	3	3
SB-611D	H-SB-611D-5	5	5
SB-611D	H-SB-611D-5-D	5	5
SB-614	H-SB-614-10	10	10
SB-620	H-SB-620-5	5	5
SB-620	H-SB-620-6	6	6
SB-620	H-SB-620-6-D	6	6
SB-621	H-SB-621-5	5	5
SB-621	H-SB-621-6	6	6
SB-622	H-SB-622-5	5	5
SB-622	H-SB-622-6	6	6

Table 3-10

Subsurface Soil (2-10 ft.) Samples Used in the Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-623	H-SB-623-5	5	5
SB-623	H-SB-623-6	6	6
Data Gap Investigation Samples (Fall 2010)			
SB-814	H-SB-814-03	3	3
SB-814	H-SB-814-05	5	5
SB-814	H-SB-814-07	7	7
SB-814	H-SB-814-09	9	9
SB-815	H-SB-815-03	3	3
SB-815	H-SB-815-05	5	5
SB-815	H-SB-815-07	7	7
SB-815	H-SB-815-09	9	9
SB-816	H-SB-816-03	3	3
SB-816	H-SB-816-03-D	3	3
SB-816	H-SB-816-05	5	5
SB-816	H-SB-816-07	7	7
SB-816	H-SB-816-09	9	9
SB-817	H-SB-817-03	3	3
SB-817	H-SB-817-05	5	5
SB-817	H-SB-817-07	7	7
SB-817	H-SB-817-07-D	7	7
SB-817	H-SB-817-09	9	9

Table 3-11

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Site-Wide Phase II Investigation Samples (2004)			
SB-057	SB-57-15	15	15
SB-058	SB-58-15	15	15
SB-058	SB-58-20	20	20
SB-059	SB-59-15	15	15
SB-062	SB-62-15	15	15
SB-065	SB-65-15	15	15
SB-065	SB-65-20	20	20
SB-067	SB-67-15	15	15
SB-067	SB-67-20	20	20
SB-067	SB-67-25	25	25
LMC MRC Groundwater Study Samples (May 2005)			
MRC-MW40A	MRC-MW40[1214]	12	14
Phase II Soil Investigation Samples (Summer 2005)			
SB-244	SB-244-15	15	15
SB-245	SB-245-15	15	15
SB-246	SB-246-15	15	15
SB-247	SB-247-15	15	15
SB-248	SB-248-15	15	15
SB-249	SB-249-15	15	15
Final Soil Delineation Samples (Fall 2009)			
SB-057	F-SB-57RE-11	11	11
SB-057	F-SB-57RE-12	12	12
SB-057	F-SB-57RE-13	13	13
SB-057	F-SB-57RE-14	14	14
SB-057	F-SB-57RE-15	15	15
SB-058	F-SB-58RE-11	11	11
SB-058	F-SB-58RE-12	12	12
SB-058	F-SB-58RE-13	13	13
SB-058	F-SB-58RE-14	14	14
SB-058	F-SB-58RE-15	15	15
SB-058A	F-SB-58REA-12	12	12
SB-058A	F-SB-58REA-14	14	14
SB-058B	F-SB-58REB-12	12	12
SB-058B	F-SB-58REB-14	14	14
SB-058C	F-SB-58REC-12	12	12
SB-058C	F-SB-58REC-14	14	14
SB-058D	F-SB-58RED-12	12	12
SB-058D	F-SB-58RED-14	14	14
SB-060	D-SB-60RE-11	11	11
SB-060	D-SB-60RE-12	12	12
SB-060	D-SB-60RE-13	13	13
SB-060	D-SB-60RE-14	14	14
SB-060	D-SB-60RE-15	15	15
SB-061	D-SB-61RE-11	11	11

Table 3-11

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-061	D-SB-61RE-12	12	12
SB-061	D-SB-61RE-13	13	13
SB-061	D-SB-61RE-14	14	14
SB-061	D-SB-61RE-15	15	15
SB-061A	D-SB-61REA-11	11	11
SB-061A	D-SB-61REA-13	13	13
SB-061A	D-SB-61REA-15	15	15
SB-061B	D-SB-61REB-11	11	11
SB-061B	D-SB-61REB-13	13	13
SB-061B	D-SB-61REB-15	15	15
SB-061C	D-SB-61REC-11	11	11
SB-061C	D-SB-61REC-13	13	13
SB-061C	D-SB-61REC-15	15	15
SB-061D	D-SB-61RED-11	11	11
SB-061D	D-SB-61RED-13	13	13
SB-061D	D-SB-61RED-15	15	15
SB-062	D-SB-62RE-11	11	11
SB-062	D-SB-62RE-12	12	12
SB-062	D-SB-62RE-13	13	13
SB-062	D-SB-62RE-14	14	14
SB-062	D-SB-62RE-15	15	15
SB-062A	D-SB-62REA-11	11	11
SB-062A	D-SB-62REA-11-D	11	11
SB-062A	D-SB-62REA-13	13	13
SB-062A	D-SB-62REA-15	15	15
SB-062B	D-SB-62REB-11	11	11
SB-062B	D-SB-62REB-13	13	13
SB-062B	D-SB-62REB-15	15	15
SB-062C	D-SB-62REC-11	11	11
SB-062C	D-SB-62REC-13	13	13
SB-062C	D-SB-62REC-15	15	15
SB-062D	D-SB-62RED-11	11	11
SB-062D	D-SB-62RED-13	13	13
SB-062D	D-SB-62RED-15	15	15
SB-063	D-SB-63RE-11	11	11
SB-063	D-SB-63RE-12	12	12
SB-063	D-SB-63RE-13	13	13
SB-063	D-SB-63RE-14	14	14
SB-063	D-SB-63RE-15	15	15
SB-065	D-SB-65RE-11	11	11
SB-065	D-SB-65RE-12	12	12
SB-065	D-SB-65RE-13	13	13
SB-065	D-SB-65RE-14	14	14
SB-065	D-SB-65RE-15	15	15
SB-066	D-SB-66RE-11	11	11

Table 3-11

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-066	D-SB-66RE-12	12	12
SB-066	D-SB-66RE-15	15	15
SB-239	D-SB-239RE-11	11	11
SB-239	D-SB-239RE-12	12	12
SB-240	D-SB-240RE-11	11	11
SB-240	D-SB-240RE-12	12	12
SB-240	D-SB-240RE-13	13	13
SB-240	D-SB-240RE-14	14	14
SB-240	D-SB-240RE-15	15	15
SB-240A	D-SB-240REA-11	11	11
SB-240A	D-SB-240REA-13	13	13
SB-240A	D-SB-240REA-15	15	15
SB-240B	D-SB-240REB-11	11	11
SB-240B	D-SB-240REB-13	13	13
SB-240C	D-SB-240REC-11	11	11
SB-240C	D-SB-240REC-13	13	13
SB-240C	D-SB-240REC-15	15	15
SB-240D	D-SB-240RED-11	11	11
SB-240D	D-SB-240RED-11-D	11	11
SB-240D	D-SB-240RED-13	13	13
SB-240D	D-SB-240RED-15	15	15
SB-243	D-SB-243RE-11	11	11
SB-243	D-SB-243RE-12	12	12
SB-243	D-SB-243RE-13	13	13
SB-243	D-SB-243RE-14	14	14
SB-243	D-SB-243RE-15	15	15
Data Gap Investigation Samples (Fall 2010)			
SB-766	D-SB-766-11	11	11
SB-766	D-SB-766-13	13	13
SB-766	D-SB-766-15	15	15
SB-767	D-SB-767-11	11	11
SB-767	D-SB-767-13	13	13
SB-767	D-SB-767-15	15	15
SB-768	D-SB-768-11	11	11
SB-768	D-SB-768-13	13	13
SB-768	D-SB-768-15	15	15
SB-769	D-SB-769-11	11	11
SB-769	D-SB-769-13	13	13
SB-769	D-SB-769-15	15	15
SB-770	D-SB-770-13	13	13
SB-770	D-SB-770-15	15	15
SB-771	D-SB-771-11	11	11
SB-771	D-SB-771-13	13	13
SB-771	D-SB-771-15	15	15
SB-772	D-SB-772-11	11	11

Table 3-11

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-772	D-SB-772-13	13	13
SB-772	D-SB-772-15	15	15
SB-773	D-SB-773-11	11	11
SB-773	D-SB-773-13	13	13
SB-773	D-SB-773-15	15	15
SB-774	D-SB-774-11	11	11
SB-774	D-SB-774-13	13	13
SB-774	D-SB-774-15	15	15
SB-774	D-SB-774-15-D	15	15
SB-775	D-SB-775-11	11	11
SB-775	D-SB-775-13	13	13
SB-775	D-SB-775-15	15	15
SB-776	D-SB-776-11	11	11
SB-776	D-SB-776-13	13	13
SB-776	D-SB-776-15	15	15
SB-777	D-SB-777-11	11	11
SB-777	D-SB-777-13	13	13
SB-777	D-SB-777-15	15	15
SB-778	D-SB-778-11	11	11
SB-778	D-SB-778-13	13	13
SB-778	D-SB-778-15	15	15
SB-779	D-SB-779-11	11	11
SB-779	D-SB-779-13	13	13
SB-779	D-SB-779-15	15	15
SB-780	D-SB-780-11	11	11
SB-780	D-SB-780-13	13	13
SB-780	D-SB-780-15	15	15
SB-781	D-SB-781-11	11	11
SB-781	D-SB-781-13	13	13
SB-781	D-SB-781-15	15	15
SB-782	D-SB-782-11	11	11
SB-782	D-SB-782-13	13	13
SB-782	D-SB-782-15	15	15
SB-783	D-SB-783-11	11	11
SB-783	D-SB-783-13	13	13
SB-783	D-SB-783-15	15	15
SB-784	D-SB-784-11	11	11
SB-784	D-SB-784-13	13	13
SB-784	D-SB-784-15	15	15
SB-785	D-SB-785-11	11	11
SB-785	D-SB-785-13	13	13
SB-785	D-SB-785-15	15	15
SB-786	D-SB-786-11	11	11
SB-786	D-SB-786-13	13	13
SB-786	D-SB-786-15	15	15

Table 3-11

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Block D
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-787	D-SB-787-11	11	11
SB-787	D-SB-787-13	13	13
SB-787	D-SB-787-15	15	15
SB-788	D-SB-788-11	11	11
SB-788	D-SB-788-13	13	13
SB-788	D-SB-788-15	15	15
SB-789	D-SB-789-11	11	11
SB-789	D-SB-789-13	13	13
SB-789	D-SB-789-15	15	15
SB-790	D-SB-790-11	11	11
SB-790	D-SB-790-13	13	13
SB-790	D-SB-790-15	15	15
SB-791	D-SB-791-11	11	11
SB-791	D-SB-791-13	13	13
SB-791	D-SB-791-15	15	15
SB-792	D-SB-792-11	11	11
SB-792	D-SB-792-13	13	13
SB-792	D-SB-792-15	15	15
SB-793	D-SB-793-11	11	11
SB-793	D-SB-793-13	13	13
SB-793	D-SB-793-15	15	15
SB-794	D-SB-794-11	11	11
SB-794	D-SB-794-13	13	13
SB-794	D-SB-794-15	15	15
SB-795	D-SB-795-11	11	11
SB-795	D-SB-795-13	13	13
SB-795	D-SB-795-15	15	15
SB-796	D-SB-796-11	11	11
SB-796	D-SB-796-13	13	13
SB-796	D-SB-796-15	15	15

Table 3-12

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Additional Soil Characterization Samples (Fall 2007)			
SB-503	SB-503-1012	10	12
Final Soil Delineation Samples (Fall 2009)			
SB-555A	SB-555A-12	12	12
SB-555A	SB-555A-14	14	14
SB-555A	SB-555A-16	16	16
SB-570A	SB-570A-12	12	12
SB-570A	SB-570A-14	14	14
SB-570A	SB-570A-16	16	16
Data Gap Investigation Samples (Fall 2010)			
SB-818	E-SB-818-11	11	11
SB-818	E-SB-818-13	13	13
SB-818	E-SB-818-15	15	15
SB-819	E-SB-819-11	11	11
SB-819	E-SB-819-13	13	13
SB-819	E-SB-819-15	15	15
SB-820	E-SB-820-11	11	11
SB-820	E-SB-820-13	13	13
SB-820	E-SB-820-15	15	15
SB-821	E-SB-821-11	11	11
SB-821	E-SB-821-13	13	13
SB-821	E-SB-821-15	15	15
SB-822	E-SB-822-11	11	11
SB-822	E-SB-822-13	13	13
SB-822	E-SB-822-15	15	15
SB-824	E-SB-824-11	11	11
SB-824	E-SB-824-13	13	13
SB-824	E-SB-824-15	15	15
SB-825	E-SB-825-11	11	11
SB-825	E-SB-825-13	13	13
SB-825	E-SB-825-15	15	15
SB-826	E-SB-826-11	11	11
SB-826	E-SB-826-13	13	13
SB-826	E-SB-826-15	15	15
SB-827	E-SB-827-11	11	11
SB-827	E-SB-827-13	13	13
SB-827	E-SB-827-15	15	15
SB-828	E-SB-828-11	11	11
SB-828	E-SB-828-13	13	13
SB-828	E-SB-828-15	15	15
SB-829	E-SB-829-11	11	11
SB-829	E-SB-829-13	13	13
SB-829	E-SB-829-15	15	15
SB-830	E-SB-830-11	11	11
SB-830	E-SB-830-11-D	11	11

Table 3-12

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-830	E-SB-830-13	13	13
SB-830	E-SB-830-15	15	15
SB-831	E-SB-831-11	11	11
SB-831	E-SB-831-13	13	13
SB-831	E-SB-831-15	15	15
SB-831	E-SB-831-15-D	15	15
SB-832	E-SB-832-11	11	11
SB-832	E-SB-832-13	13	13
SB-832	E-SB-832-15	15	15
SB-833	E-SB-833-11	11	11
SB-834	E-SB-834-11	11	11
SB-834	E-SB-834-13	13	13
SB-834	E-SB-834-15	15	15
SB-835	E-SB-835-11	11	11
SB-835	E-SB-835-13	13	13
SB-835	E-SB-835-15	15	15
SB-836	E-SB-836-11	11	11
SB-836	E-SB-836-13	13	13
SB-836	E-SB-836-15	15	15
SB-837	E-SB-837-11	11	11
SB-837	E-SB-837-13	13	13
SB-837	E-SB-837-13-D	13	13
SB-837	E-SB-837-15	15	15
SB-838	E-SB-838-11	11	11
SB-838	E-SB-838-13	13	13
SB-838	E-SB-838-15	15	15
SB-839	E-SB-839-11	11	11
SB-839	E-SB-839-13	13	13
SB-839	E-SB-839-15	15	15
SB-840	E-SB-840-11	11	11
SB-840	E-SB-840-13	13	13
SB-840	E-SB-840-15	15	15
SB-841	E-SB-841-11	11	11
SB-841	E-SB-841-13	13	13
SB-841	E-SB-841-15	15	15
SB-842	E-SB-842-11	11	11
SB-842	E-SB-842-11-D	11	11
SB-842	E-SB-842-13	13	13
SB-842	E-SB-842-15	15	15
SB-843	E-SB-843-11	11	11
SB-843	E-SB-843-11-D	11	11
SB-843	E-SB-843-13	13	13
SB-843	E-SB-843-15	15	15
SB-844	E-SB-844-11	11	11
SB-844	E-SB-844-13	13	13

Table 3-12

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block E
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-844	E-SB-844-15	15	15
SB-845	E-SB-845-11	11	11
SB-845	E-SB-845-13	13	13
SB-845	E-SB-845-15	15	15
SB-846	E-SB-846-11	11	11
SB-846	E-SB-846-13	13	13
SB-846	E-SB-846-15	15	15
SB-847	E-SB-847-11	11	11
SB-847	E-SB-847-13	13	13
SB-847	E-SB-847-15	15	15
SB-847	E-SB-847-15-D	15	15

Table 3-13

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Site-Wide Phase II Investigation Samples (2004)			
SB-056	SB-56-15	15	15
SB-093	SB-93-15	15	15
SB-094	SB-94-15	15	15
SB-096	SB-96-15	15	15
Final Soil Delineation Samples (Fall 2009)			
SB-055	F-SB-55RE-11	11	11
SB-056	F-SB-56RE-11	11	11
SB-056	F-SB-56RE-12	12	12
SB-056	F-SB-56RE-13	13	13
SB-056	F-SB-56RE-13-D	13	13
SB-056	F-SB-56RE-14	14	14
SB-056	F-SB-56RE-15	15	15
SB-093	F-SB-93RE-11	11	11
SB-093	F-SB-93RE-12	12	12
SB-093	F-SB-93RE-13	13	13
SB-093	F-SB-93RE-14	14	14
SB-094	F-SB-94RE-11	11	11
SB-094	F-SB-94RE-12	12	12
SB-094	F-SB-94RE-12-D	12	12
SB-094	F-SB-94RE-13	13	13
SB-094	F-SB-94RE-14	14	14
SB-094	F-SB-94RE-15	15	15
SB-095	F-SB-95RE-11	11	11
SB-095	F-SB-95RE-12	12	12
SB-095	F-SB-95RE-13	13	13
SB-095	F-SB-95RE-13-D	13	13
SB-095	F-SB-95RE-14	14	14
SB-095	F-SB-95RE-15	15	15
SB-096	F-SB-96RE-11	11	11
SB-096	F-SB-96RE-11-D	11	11
SB-096	F-SB-96RE-12	12	12
SB-096	F-SB-96RE-13	13	13
SB-096	F-SB-96RE-14	14	14
SB-096	F-SB-96RE-15	15	15
SB-268RE	F-SB-268RE-11	11	11
SB-268RE	F-SB-268RE-12	12	12
SB-268RE	F-SB-268RE-13	13	13
SB-268RE	F-SB-268RE-14	14	14
SB-268RE	F-SB-268RE-15	15	15
SB-405	F-SB-405RE-11	11	11
SB-405	F-SB-405RE-12	12	12
SB-405	F-SB-405RE-13	13	13
SB-405	F-SB-405RE-13-D	13	13
SB-628	F-SB-628-11	11	11

Table 3-13

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block F
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-629	F-SB-629-11	11	11
SB-630	F-SB-630-11	11	11
SB-631	F-SB-631-11	11	11
SB-635	F-SB-635-11	11	11
SB-635	F-SB-635-12	12	12
SB-635	F-SB-635-13	13	13
SB-635C	F-SB-635C-11	11	11
SB-635D	F-SB-635D-11	11	11
SB-642	F-SB-642-11	11	11
SB-642	F-SB-642-13	13	13
SB-642	F-SB-642-15	15	15
SB-642A	F-SB-642A-11	11	11
SB-642A	F-SB-642A-13	13	13
SB-642A	F-SB-642A-15	15	15
SB-642B	F-SB-642B-11	11	11
SB-642B	F-SB-642B-13	13	13
SB-642B	F-SB-642B-15	15	15
SB-642C	F-SB-642C-11	11	11
SB-642C	F-SB-642C-13	13	13
SB-642C	F-SB-642C-15	15	15
SB-643	F-SB-643-11	11	11
SB-643	F-SB-643-13	13	13
SB-643	F-SB-643-15	15	15
SB-643B	F-SB-643B-11	11	11
SB-643B	F-SB-643B-13	13	13
SB-643B	F-SB-643B-15	15	15
SB-643C	F-SB-643C-11	11	11
SB-643C	F-SB-643C-13	13	13
SB-643C	F-SB-643C-15	15	15
SB-644	F-SB-644-11	11	11
SB-644	F-SB-644-13	13	13
SB-644	F-SB-644-15	15	15

Table 3-14

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Site-Wide Phase II Investigation Samples (2004)			
SB-085	SB-85-12	12	12
SB-086	SB-86-12	12	12
LMC MRC Groundwater Study Samples (May 2005)			
MRC-MW12A	MRC-MW12 (1213)	12	13
ISCO Pilot Study Samples (November 2007)			
OW-4	OW-4-26	26	26
OW-4	OW-4-30	30	30
OW-6	OW-6-20	20	20
OW-6	OW-6-30	30	30
Final Soil Delineation Samples (Fall 2009)			
SB-091	G-SB-91RE-11	11	11
SB-091	G-SB-91RE-12	12	12
SB-091	G-SB-91RE-13	13	13
SB-091	G-SB-91RE-14	14	14
SB-091	G-SB-91RE-15	15	15
SB-091A	G-SB-91REA-11	11	11
SB-091A	G-SB-91REA-13	13	13
SB-091A	G-SB-91REA-15	15	15
SB-091B	G-SB-91REB-11	11	11
SB-091B	G-SB-91REB-13	13	13
SB-091B	G-SB-91REB-15	15	15
SB-091C	G-SB-91REC-11	11	11
SB-091C	G-SB-91REC-13	13	13
SB-091C	G-SB-91REC-15	15	15
SB-091C	G-SB-91REC-15-D	15	15
SB-092	G-SB-92RE-11	11	11
SB-092	G-SB-92RE-12	12	12
SB-092	G-SB-92RE-13	13	13
SB-092	G-SB-92RE-14	14	14
SB-092	G-SB-92RE-15	15	15
SB-092C	G-SB-92REC-11	11	11
SB-092C	G-SB-92REC-13	13	13
SB-092C	G-SB-92REC-15	15	15
SB-092D	G-SB-92RED-11	11	11
SB-092D	G-SB-92RED-13	13	13
SB-092D	G-SB-92RED-15	15	15
SB-195	G-SB-195RE-11	11	11
SB-195	G-SB-195RE-12	12	12
SB-195	G-SB-195RE-13	13	13
SB-195	G-SB-195RE-14	14	14
SB-195	G-SB-195RE-15	15	15
SB-196	G-SB-196RE-11	11	11
SB-196	G-SB-196RE-12	12	12
SB-196	G-SB-196RE-13	13	13

Table 3-14

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-657	G-SB-657-11	11	11
SB-657	G-SB-657-11-D	11	11
SB-657	G-SB-657-12	12	12
SB-657	G-SB-657-13	13	13
SB-657	G-SB-657-14	14	14
SB-657	G-SB-657-15	15	15
SB-657A	G-SB-657A-11	11	11
SB-657A	G-SB-657A-13	13	13
SB-657A	G-SB-657A-15	15	15
SB-657B	G-SB-657B-11	11	11
SB-657B	G-SB-657B-13	13	13
SB-657B	G-SB-657B-15	15	15
SB-657D	G-SB-657D-11	11	11
SB-657D	G-SB-657D-13	13	13
SB-657D	G-SB-657D-15	15	15
SB-658	G-SB-658-11	11	11
SB-658	G-SB-658-11-D	11	11
SB-658	G-SB-658-12	12	12
SB-658	G-SB-658-13	13	13
SB-658	G-SB-658-14	14	14
SB-658	G-SB-658-15	15	15
SB-658B	G-SB-658B-11	11	11
SB-658B	G-SB-658B-15	15	15
SB-658C	G-SB-658C-11	11	11
SB-658C	G-SB-658C-13	13	13
SB-658C	G-SB-658C-13-D	13	13
SB-658C	G-SB-658C-15	15	15
SB-659	G-SB-659-11	11	11
SB-659	G-SB-659-12	12	12
SB-659	G-SB-659-13	13	13
SB-659	G-SB-659-14	14	14
SB-659	G-SB-659-15	15	15
SB-659C	G-SB-659C-11	11	11
SB-659C	G-SB-659C-13	13	13
SB-659C	G-SB-659C-15	15	15
SB-659D	G-SB-659D-11	11	11
SB-659D	G-SB-659D-13	13	13
SB-659D	G-SB-659D-15	15	15
SB-660	G-SB-660-11	11	11
SB-660	G-SB-660-12	12	12
SB-662	G-SB-662-11	11	11
SB-662	G-SB-662-12	12	12
SB-662	G-SB-662-13	13	13
SB-662A	G-SB-662A-11	11	11
SB-662B	G-SB-662B-11	11	11

Table 3-14

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-662C	G-SB-662C-11	11	11
SB-671	G-SB-671RE-11	11	11
SB-671	G-SB-671RE-12	12	12
SB-671	G-SB-671RE-13	13	13
SB-671B	G-SB-671B-11	11	11
SB-671C	G-SB-671C-11	11	11
SB-671D	G-SB-671D-11	11	11
SB-704	G-SB-704-11	11	11
SB-704	G-SB-704-12	12	12
SB-704	G-SB-704-15	15	15
SB-706	G-SB-706-11	11	11
SB-706	G-SB-706-12	12	12
SB-706	G-SB-706-13	13	13
SB-706	G-SB-706-14	14	14
SB-706	G-SB-706-15	15	15
SB-716	G-SB-716-11	11	11
SB-716	G-SB-716-12	12	12
SB-716	G-SB-716-15	15	15
SB-726	G-SB-726-11	11	11
SB-726	G-SB-726-12	12	12
SB-726	G-SB-726-13	13	13
SB-726	G-SB-726-14	14	14
SB-726	G-SB-726-15	15	15
SB-726	G-SB-726-15-D	15	15
SB-735	G-SB-735-11	11	11
SB-735B	G-SB-735B-11	11	11
SB-735C	G-SB-735C-11	11	11
SB-736B	G-SB-736B-11	11	11
SB-736C	G-SB-736C-11	11	11
SB-736C	G-SB-736C-11-D	11	11
SB-761	G-SB-761-11	11	11
SB-761	G-SB-761-13	13	13
SB-761	G-SB-761-15	15	15
SB-761	G-SB-761-15-D	15	15
SB-761A	G-SB-761A-11	11	11
SB-761A	G-SB-761A-13	13	13
SB-761A	G-SB-761A-15	15	15
SB-761B	G-SB-761B-11	11	11
SB-761B	G-SB-761B-15	15	15
SB-761C	G-SB-761C-11	11	11
SB-761C	G-SB-761C-15	15	15
SB-761D	G-SB-761D-11	11	11
SB-761D	G-SB-761D-13	13	13
SB-761D	G-SB-761D-15	15	15
SB-762	G-SB-762-11	11	11

Table 3-14

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-762	G-SB-762-13	13	13
SB-762	G-SB-762-15	15	15
SB-762A	G-SB-762A-11	11	11
SB-762A	G-SB-762A-13	13	13
SB-762A	G-SB-762A-15	15	15
SB-762B	G-SB-762B-11	11	11
SB-762B	G-SB-762B-11-D	11	11
SB-762B	G-SB-762B-13	13	13
SB-762B	G-SB-762B-15	15	15
SB-762D	G-SB-762D-11	11	11
SB-762D	G-SB-762D-13	13	13
SB-762D	G-SB-762D-15	15	15
SB-763	G-SB-763-11	11	11
SB-763	G-SB-763-13	13	13
SB-763	G-SB-763-15	15	15
SB-763A	G-SB-763A-11	11	11
SB-763A	G-SB-763A-13	13	13
SB-763A	G-SB-763A-15	15	15
SB-763B	G-SB-763B-11	11	11
SB-763B	G-SB-763B-13	13	13
SB-763B	G-SB-763B-15	15	15
SB-763C	G-SB-763C-11	11	11
SB-763C	G-SB-763C-13	13	13
SB-763C	G-SB-763C-15	15	15
SB-763D	G-SB-763D-11	11	11
SB-763D	G-SB-763D-13	13	13
SB-763D	G-SB-763D-15	15	15
SB-764	G-SB-764-11	11	11
SB-764	G-SB-764-13	13	13
SB-764	G-SB-764-15	15	15
SB-764A	G-SB-764A-11	11	11
SB-764C	G-SB-764C-11	11	11
SB-764D	G-SB-764D-11	11	11
SB-765	G-SB-765-11	11	11
SB-765	G-SB-765-13	13	13
SB-765	G-SB-765-15	15	15
Deep Groundwater Investigation (May 2010)			
MRC-MW95D	MRC-MW95D-SO-214	214	214
Data Gap Investigation Samples (Fall 2010)			
SB-803	G-SB-803-11	11	11
SB-803	G-SB-803-13	13	13
SB-803	G-SB-803-15	15	15
SB-804	G-SB-804-11	11	11
SB-804	G-SB-804-13	13	13
SB-804	G-SB-804-15	15	15

Table 3-14

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block G
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-805	G-SB-805-11	11	11
SB-805	G-SB-805-13	13	13
SB-805	G-SB-805-15	15	15
SB-806	G-SB-806-11	11	11
SB-806	G-SB-806-15	15	15
SB-807	G-SB-807-11	11	11
SB-807	G-SB-807-13	13	13
SB-807	G-SB-807-15	15	15
SB-808	G-SB-808-11	11	11
SB-808	G-SB-808-13	13	13
SB-808	G-SB-808-15	15	15
SB-809	G-SB-809-11	11	11
SB-809	G-SB-809-13	13	13
SB-809	G-SB-809-15	15	15
SB-810	G-SB-810-11	11	11
SB-810	G-SB-810-13	13	13
SB-810	G-SB-810-15	15	15
SB-811	G-SB-811-11	11	11
SB-811	G-SB-811-13	13	13
SB-811	G-SB-811-15	15	15
SB-812	G-SB-812-11	11	11
SB-812	G-SB-812-15	15	15
SB-813	G-SB-813-11	11	11
SB-813	G-SB-813-13	13	13
SB-813	G-SB-813-15	15	15
SB-813	G-SB-813-15-D	15	15
Data Gap Investigation Samples (Fall 2010)			
G-TP-2	G-TP-2-5-13-14	13	14

Table 3-15

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
Final Soil Delineation Samples (Fall 2009)			
SB-200RE	H-SB-200RE-11	11	11
SB-200RE	H-SB-200RE-12	12	12
SB-200RE	H-SB-200RE-13	13	13
SB-200RE	H-SB-200RE-14	14	14
SB-200RE	H-SB-200RE-15	15	15
SB-282	H-SB-282RE-11	11	11
SB-282	H-SB-282RE-12	12	12
SB-282	H-SB-282RE-13	13	13
SB-282	H-SB-282RE-14	14	14
SB-282	H-SB-282RE-15	15	15
SB-282A	H-SB-282REA-11	11	11
SB-282A	H-SB-282REA-13	13	13
SB-282A	H-SB-282REA-15	15	15
SB-282B	H-SB-282REB-11	11	11
SB-282B	H-SB-282REB-13	13	13
SB-282B	H-SB-282REB-15	15	15
SB-282C	H-SB-282REC-11	11	11
SB-282C	H-SB-282REC-13	13	13
SB-282C	H-SB-282REC-15	15	15
SB-282D	H-SB-282RED-11	11	11
SB-282D	H-SB-282RED-13	13	13
SB-282D	H-SB-282RED-15	15	15
SB-285	H-SB-285RE-11	11	11
SB-285	H-SB-285RE-12	12	12
SB-286RE	H-SB-286RE-11	11	11
SB-286RE	H-SB-286RE-12	12	12
SB-286RE	H-SB-286RE-15	15	15
SB-596	H-SB-596-11	11	11
SB-596	H-SB-596-12	12	12
SB-597	H-SB-597-11	11	11
SB-597	H-SB-597-12	12	12
SB-598	H-SB-598-11	11	11
SB-598	H-SB-598-12	12	12
SB-599	H-SB-599-11	11	11
SB-599	H-SB-599-12	12	12
SB-612	H-SB-612-11	11	11
SB-612	H-SB-612-11-D	11	11
SB-612	H-SB-612-12	12	12
SB-613	H-SB-613-11	11	11
SB-613	H-SB-613-12	12	12
SB-614	H-SB-614-11	11	11
SB-614	H-SB-614-12	12	12
SB-615	H-SB-615-11	11	11
SB-615	H-SB-615-12	12	12

Table 3-15

Subsurface Soil (>10 ft.) Samples - Not Used in Human Health Risk Assessment - Tax Block Soils
Block H
LMC Middle River Complex, Middle River, Maryland

Location Identifier	Sample Identifier	Depth (feet)	
		Top	Bottom
SB-616	H-SB-616-11	11	11
SB-616	H-SB-616-11-D	11	11
SB-616	H-SB-616-12	12	12
SB-617	H-SB-617-11	11	11
SB-617	H-SB-617-11-D	11	11
SB-617	H-SB-617-12	12	12
SB-618	H-SB-618-11	11	11
SB-618	H-SB-618-12	12	12
SB-619	H-SB-619-11	11	11
SB-619	H-SB-619-12	12	12
Data Gap Investigation Samples (Fall 2010)			
SB-814	H-SB-814-11	11	11
SB-814	H-SB-814-13	13	13
SB-814	H-SB-814-15	15	15
SB-815	H-SB-815-11	11	11
SB-815	H-SB-815-13	13	13
SB-815	H-SB-815-15	15	15
SB-816	H-SB-816-11	11	11
SB-817	H-SB-817-11	11	11
SB-817	H-SB-817-13	13	13
SB-817	H-SB-817-15	15	15

Table 3-16

Human Health Screening Criteria for Soil - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

CAS No.	Chemical	MDE Cleanup Standards[1]		USEPA Regional Screening Levels[2]		USEPA Soil Screening Levels[3]
		Residential Soil (mg/kg)	Groundwater Protection (mg/kg)	Residential Soil (mg/kg)	Protection of Groundwater (mg/kg)	Residential Soil to Air (mg/kg)
Volatile Organic Compounds						
71-55-6	1,1,1-TRICHLOROETHANE	16000	NA [4]	8700 N	NA [4]	1,200 sat
75-34-3	1,1-DICHLOROETHANE	1600	5.1	3.3 C	0.00069	1,200 N
75-35-4	1,1-DICHLOROETHENE	390	2.9	240 N	0.12	290 N
87-61-6	1,2,3-TRICHLOROBENZENE	NA	NA	49 N	0.087	NA
526-73-8	1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA
120-82-1	1,2,4-TRICHLOROBENZENE	78	2.4	62 N[5]	0.0068	180 N
95-63-6	1,2,4-TRIMETHYLBENZENE	NA	NA	62 N	0.021	120 N
95-50-1	1,2-DICHLOROBENZENE	700	4.6	1900 N	0.36	600 sat
107-06-2	1,2-DICHLOROETHANE	7	0.001	0.43 C	0.000042	0.36 C
108-67-8	1,3,5-TRIMETHYLBENZENE	NA	NA	780 N	0.52	72 N
541-73-1	1,3-DICHLOROBENZENE	23	0.29	NA	NA	NA
106-46-7	1,4-DICHLOROBENZENE	27	0.0042	2.4 C	0.00041	11,000 N
78-93-3	2-BUTANONE	4700	29	28000 N	1.5	24,000 sat
99-87-6	4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA
67-64-1	ACETONE	7000	22	61000 N	4.5	NA
71-43-2	BENZENE	12	0.0019	1.1 C	0.00021	1 C
74-83-9	BROMOMETHANE	11	0.041	7.3 N	0.0022	9 N
75-15-0	CARBON DISULFIDE	780	19	820 N	0.31	720 sat
56-23-5	CARBON TETRACHLORIDE	4.9	0.0021	0.61 C	0.00017	0.33 C
108-90-7	CHLOROBENZENE	160	0.68	290 N	0.062	130 N
74-87-3	CHLOROMETHANE	NA	0.93	120 N	0.049	2 C
156-59-2	CIS-1,2-DICHLOROETHENE	78	NA	160 N	0.021	NA
100-41-4	ETHYLBENZENE	780	15	5.4 C	0.0017	400 sat
98-82-8	ISOPROPYLBENZENE	780	64	2100 N	1.1	850 sat
TTNUS054	M+P-XYLENES	1600 [6]	3 [6]	630 N[7]	0.2 [7]	700 N[7]
75-09-2	METHYLENE CHLORIDE	85	0.019	11 C	0.0012	13 C
91-20-3	NAPHTHALENE	160	0.15	3.6 C	0.00047	170 N
104-51-8	N-BUTYLBENZENE	NA	NA	NA	NA	NA
103-65-1	N-PROPYLBENZENE	NA	NA	3400 N	2.5	NA
95-47-6	O-XYLENE	1600 [6]	3 [6]	3800 N	1.2	NA
135-98-8	SEC-BUTYLBENZENE	NA	NA	NA	NA	NA
100-42-5	STYRENE	1600	NA [4]	6300 N	NA [4]	1500 sat
994-05-8	TERT-AMYL METHYL ETHER	NA	NA [4]	NA	NA [4]	NA
75-65-0	TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA
127-18-4	TETRACHLOROETHENE	1.2	0.0047	0.55 C	0.000049	10 C
108-88-3	TOLUENE	630	27	5000 N	1.6	650 sat
1330-20-7	TOTAL XYLENES	1600 [6]	3 [6]	630 N	0.2	700 N
79-01-6	TRICHLOROETHENE	1.6	0.00026	2.8 C	0.00072	0.071 C
75-69-4	TRICHLOROFLUOROMETHANE	NA	NA	790 N	0.83	1,100 N
75-01-4	VINYL CHLORIDE	0.09	0.00012	0.06 C	0.0000056	0.28 C
Semivolatile Organic Compounds						
105-67-9	2,4-DIMETHYLPHENOL	160	6.7	1200 N	0.86	NA
88-74-4	2-NITROANILINE	NA	NA	610 N	0.15	1.2 N
65-85-0	BENZOIC ACID	NA	NA	240000 N	34	NA
100-51-6	BENZYL ALCOHOL	NA	NA	6100 N	0.89	NA
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	46	2900	35 C	1.1	NA
85-68-7	BUTYL BENZYL PHTHALATE	NA	NA	260 C	0.51	NA
105-60-2	CAPROLACTAM	NA	NA	31000 N	4.5	NA
86-74-8	CARBAZOLE	32	0.47	NA	NA	NA
132-64-9	DIBENZOFURAN	7.8	NA	78 N	0.68	NA
131-11-3	DIMETHYL PHTHALATE	NA	NA	NA	NA	NA
84-74-2	DI-N-BUTYL PHTHALATE	780	5000	6100 N	9.2	NA
117-84-0	DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA
86-30-6	N-NITROSODIPHENYLAMINE	130	0.76	99 C	0.075	NA
108-95-2	PHENOL	2300	67	18000 N	6.3	NA
Polycyclic Aromatic Hydrocarbons						
90-12-0	1-METHYLNAPHTHALENE	NA	NA	22 C	0.012	NA
91-57-6	2-METHYLNAPHTHALENE	31	4.4	310 N	0.75	NA
83-32-9	ACENAPHTHENE	470	100	3400 N	22	NA
208-96-8	ACENAPHTHYLENE	470	100	3400 N[8]	22 [8]	NA
120-12-7	ANTHRACENE	2300	470	17000 N	360	NA
CALC013	BAP EQUIVALENT-1/2 NONDETECT[19]	0.022	0.12	0.015 C	0.0035	NA
CALC049	BAP EQUIVALENT-POSITIVE RESULTS[19]	0.022	0.12	0.015 C	0.0035	NA
56-55-3	BENZO(A)ANTHRACENE	0.22	0.48	0.15 C	0.01	NA
50-32-8	BENZO(A)PYRENE	0.022	0.12	0.015 C	0.0035	NA
205-99-2	BENZO(B)FLUORANTHENE	0.22	1.5	0.15 C	0.035	NA
TTNUS140	BENZO(B+K)FLUORANTHENE	0.22 [17]	1.5 [17]	0.15 C[17]	0.035 [17]	NA
191-24-2	BENZO(G,H,I)PERYLENE	230	680	1700 N[9]	120 [9]	NA
207-08-9	BENZO(K)FLUORANTHENE	2.2	15	1.5 C	0.35	NA
218-01-9	CHRYSENE	22	48	15 C	1.1	NA

Table 3-16

Human Health Screening Criteria for Soil - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

CAS No.	Chemical	MDE Cleanup Standards[1]		USEPA Regional Screening Levels[2]		USEPA Soil Screening Levels[3]
		Residential Soil (mg/kg)	Groundwater Protection (mg/kg)	Residential Soil (mg/kg)	Protection of Groundwater (mg/kg)	Residential Soil to Air (mg/kg)
53-70-3	DIBENZO(A,H)ANTHRACENE	0.022	0.46	0.015 C	0.011	NA
206-44-0	FLUORANTHENE	310	6300	2300 N	160	NA
86-73-7	FLUORENE	310	140	2300 N	27	NA
193-39-5	INDENO(1,2,3-CD)PYRENE	0.22	4.2	0.15 C	0.12	NA
85-01-8	PHENANTHRENE	2300	470	1700 N[9]	120 [9]	NA
129-00-0	PYRENE	230	680	1700 N	120	NA
Pesticides/Polychlorinated Biphenyls						
72-54-8	4,4'-DDD	2.7	11	2 C	0.066	NA
72-55-9	4,4'-DDE	1.9	35	1.4 C	0.047	NA
53469-21-9	AROCLOR-1242	0.32	NA	0.22 C	0.0053	NA
11097-69-1	AROCLOR-1254	0.32	1.1	1.1 N[5]	0.0088	NA
11096-82-5	AROCLOR-1260	0.32	NA	0.22 C	0.024	NA
319-85-7	BETA-BHC	0.35	0.0031	0.27 C	0.00022	6 C
1336-36-3	TOTAL AROCLOR	0.32 [10]	0.41 [10]	0.22 C[11]	NA	NA
Metals						
7440-36-0	ANTIMONY	3.1	13	31 N	0.66	NA
7440-38-2	ARSENIC	0.43	0.026	0.39 C	0.0013	769 C
7440-39-3	BARIUM	1600	6000	15000 N	300	709,000 N
7440-41-7	BERYLLIUM	16	1200	160 N	58	1,380 C
7440-43-9	CADMIUM	3.9	27	70 N	1.4	1,840 C
7440-47-3	CHROMIUM	12000 [12]	2000000000 [12]	120000 N[12]	99000000 [12]	276 C
7440-48-4	COBALT	NA	NA	23 N	0.49	1,180 C
7440-50-8	COPPER	310	11000	3100 N	51	NA
7439-89-6	IRON	5500	NA	55000 N	640	NA
7439-92-1	LEAD	400	NA	400	14 [13]	NA
7439-96-5	MANGANESE	160	950	1800 N	57	70,900 N
7439-97-6	MERCURY	2.3 [14]	NA	23 N[15]	NA	NA
7439-98-7	MOLYBDENUM	NA	NA	390 N	3.7	NA
7440-02-0	NICKEL	160	NA	1500 N	48	NA
7782-49-2	SELENIUM	39	19	390 N	0.95	NA
7440-22-4	SILVER	39	31	390 N	1.6	NA
7440-28-0	THALLIUM	0.55	3.6	NA	NA	NA
7440-62-2	VANADIUM	7.8	730	390 N[16]	180	NA
7440-66-6	ZINC	2300	14000	23000 N	680	NA
Petroleum Hydrocarbons						
TTNUS004	DIESEL RANGE ORGANICS	230	NA	NA	NA	NA
TTNUS005	GASOLINE RANGE ORGANICS	230	NA	NA	NA	NA
TTNUS709	TPH (C09-C36)	NA	NA	NA	NA	284,000,000 N[18]
TTNUS827	TPH (C10-C32)	NA	NA	NA	NA	284,000,000 N[18]
Miscellaneous Parameters						
18540-29-9	HEXAVALENT CHROMIUM	23	42	0.29 C	0.00083	276 C
22967-92-6	MERCURY (METHYL)	0.78	NA	7.8 N	NA	NA
TTNUS291	PERCENT SOLIDS	NA	NA	NA	NA	NA
TTNUS002	PH	NA	NA	NA	NA	NA
TTNUS046	TOTAL SOLIDS	NA	NA	NA	NA	NA
TTNUS003	TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA

Notes:

1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0
3 - USEPA Soil Screening Levels. EPA Internet Site at http://rais.ornl.gov/epa/ssl1.shtml.
4 - Groundwater protection criteria or soil-to-air criteria are not applicable for this chemical because this chemical was only detected in deep subsurface soil (greater than 10 feet).
5 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
6 - The value is for xylenes.
7 - The value is for xylene, mixture.
8 - The value for acenaphthene is used as a surrogate for acenaphthylene.
9 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
10 - The value is for PCB (total).
11 - The value is for polychlorinated biphenyls (high risk).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - The value is for mercury (inorganic/mercuric dichloride).
15 - The value is for mercuric chloride.
16 - The value is for vanadium and compounds.
17 - The value is for benzo(b)fluoranthene.
18 - The value for total petroleum hydrocarbons (aliphatic low) is used.
19 - See Section 3 for BaP equivalent calculation methodology.

BaP = Benzo(a)pyrene
C = Carcinogenic
CAS = Chemical Abstract Service
N = Noncarcinogenic
NA = Not available/not applicable
sat = Soil Saturation Concentration

Table 3-17

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Surface Soil (0-2 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Volatile Organic Compounds**													
	75-34-3	1,1-DICHLOROETHANE	1 J	1 J	ug/kg	SB-195-SS	1/109	0.27 - 710	1	1600000	3,300 C	120,000 N	No	BSL
	75-35-4	1,1-DICHLOROETHENE	2.5	2.5	ug/kg	SB-195-SS	1/109	0.39 - 750	2.5	390000	24,000 N	29,000 N	No	BSL
	87-61-6	**1,2,3-TRICHLOROBENZENE**	11 J	43000 J	ug/kg	E-SB-833K-02	8/109	0.28 - 8	43000	NA	**4,900 N**	NA	**Yes**	ASL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.2 J	0.4 J	ug/kg	SB-284-0102	3/56	0.13 - 7.1	0.4	NA	NA	NA	No	NTX
	120-82-1	**1,2,4-TRICHLOROBENZENE**	47 J	210000	ug/kg	E-SB-833K-02	8/109	0.2 - 8	210000	**78000**	**6,200 N[8]**	**18,000 N**	**Yes**	ASL
	95-63-6	1,2,4-TRIMETHYLBENZENE	0.83 J	33	ug/kg	SB-66-SS	4/109	0.48 - 210	33	NA	6,200 N	12,000 N	No	BSL
	95-50-1	1,2-DICHLOROBENZENE	3.4 J	970 J	ug/kg	E-SB-833E-02	4/109	0.27 - 360	970	700000	190,000 N	600,000 sat	No	BSL
	108-67-8	1,3,5-TRIMETHYLBENZENE	23	23	ug/kg	SB-66-SS	1/53	1.92 - 8	23	NA	78,000 N	7,200 N	No	BSL
	541-73-1	1,3-DICHLOROBENZENE	0.33 J	1100 J	ug/kg	E-SB-833K-02	4/109	0.26 - 190	1100	23000	NA	NA	No	BSL
	106-46-7	**1,4-DICHLOROBENZENE**	1.3 J	2700 J	ug/kg	E-SB-833K-02	7/109	0.49 - 8	2700	27000	**2,400 C**	1,100,000 N	**Yes**	ASL
	78-93-3	2-BUTANONE	1.6 J	88 J	ug/kg	E-SB-833J-02	24/104	1 - 1800	88	4700000	2,800,000 N	24,000,000 sat	No	BSL
	67-64-1	ACETONE	7.3 J	440 J	ug/kg	D-SB-788-SS	31/107	4.7 - 9800	440	7000000	6,100,000 N	NA	No	BSL
	71-43-2	BENZENE	0.72 J	0.72 J	ug/kg	D-SS-786-01	1/110	0.17 - 500	0.72	12000	1,100 C	830 C	No	BSL
	75-15-0	CARBON DISULFIDE	0.65 J	7.1	ug/kg	SB-238-SS	20/109	0.33 - 500	7.1	780000	82,000 N	720,000 sat	No	BSL
	108-90-7	CHLOROBENZENE	12	12	ug/kg	E-SB-833G-02	1/109	0.24 - 270	12	160000	29,000 N	13,000 N	No	BSL
	74-87-3	CHLOROMETHANE	3 J	3 J	ug/kg	SB-284-0102	1/109	0.3 - 580	3	NA	12,000 N	2,100 C	No	BSL
	100-41-4	ETHYLBENZENE	0.31 J	8	ug/kg	SB-66-SS	3/110	0.19 - 230	8	780000	5,400 C	400,000 sat	No	BSL
	98-82-8	ISOPROPYLBENZENE	47 J	47 J	ug/kg	SB-84-SS	1/109	0.12 - 270	47	780000	210,000 N	850,000 sat	No	BSL
	--	M+P-XYLENES	10 J	10 J	ug/kg	SB-66-SS, SB-33A-SS	2/109	0.89 - 260	10	1600000 [9]	63,000 N[10]	70,000 N[10]	No	BSL
	75-09-2	METHYLENE CHLORIDE	2.9 J	88 J	ug/kg	E-SB-833F-02	20/109	0.5 - 3200	88	85000	11,000 C	13,000 C	No	BSL
	104-51-8	N-BUTYLBENZENE	0.9 J	0.9 J	ug/kg	SB-284-0102	1/109	0.17 - 330	0.9	NA	NA	NA	No	NTX
	103-65-1	N-PROPYLBENZENE	7 J	7 J	ug/kg	SB-84-SS	1/109	0.3 - 580	7	NA	340,000 N	NA	No	BSL
	91-20-3	NAPHTHALENE	2 J	260	ug/kg	SB-66-SS	8/110	0.14 - 280	260	160000	3,600 C	17,000 N	No	BSL
	95-47-6	O-XYLENE	0.43 J	23	ug/kg	SB-66-SS	2/109	0.26 - 360	23	1600000 [9]	380,000 N	NA	No	BSL
	75-65-0	TERTIARY-BUTYL ALCOHOL	5 J	620 J	ug/kg	E-SB-833L-02	4/20	8 - 61	620	NA	NA	NA	No	NTX
	127-18-4	TETRACHLOROETHENE	1.8 J	1.8 J	ug/kg	E-SB-833N-02	1/109	0.39 - 500	1.8	1200	550 C	10,000 C	No	BSL
	108-88-3	TOLUENE	0.31 J	13.3	ug/kg	SB-202-SS	14/110	0.2 - 710	13.3	630000	500,000 N	650,000 sat	No	BSL
	1330-20-7	TOTAL XYLENES	1.1 J	1.2 J	ug/kg	SB-500-0001	2/69	0.5 - 340	1.2	1600000 [9]	63,000 N	70,000 N	No	BSL
	79-01-6	TRICHLOROETHENE	0.65 J	4.8	ug/kg	SB-202-SS	6/109	0.31 - 410	4.8	1600	2,800 C	71 C	No	BSL
	75-69-4	TRICHLOROFLUOROMETHANE	0.85 J	0.85 J	ug/kg	D-SB-794-SS	1/109	0.25 - 670	0.85	NA	79,000 N	110,000 N	No	BSL
	Semivolatile Organic Compounds													
	88-74-4	2-NITROANILINE	44 J	44 J	ug/kg	SB-6A-SS	1/108	9.5 - 15000	44	NA	61,000 N	120 N	No	BSL
	65-85-0	BENZOIC ACID	67.4 J	925	ug/kg	SB-267-SS	11/31	40.9 - 16000	925	NA	24,000,000 N	NA	No	BSL
	100-51-6	BENZYL ALCOHOL	47.5 J	47.5 J	ug/kg	SB-269-02	1/29	360 - 8110	47.5	NA	610,000 N	NA	No	BSL
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	20 J	93 J	ug/kg	SB-505-0001	9/108	20 - 7600	93	46000	35,000 C	NA	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	25 J	120 J	ug/kg	SB-507-0001	3/108	10 - 7600	120	NA	260,000 C	NA	No	BSL
	105-60-2	CAPROLACTAM	140 J	140 J	ug/kg	SB-1A-SS	1/77	39 - 7600	140	NA	3,100,000 N	NA	No	BSL
	86-74-8	CARBAZOLE	27 J	4640	ug/kg	SB-268-SS	18/108	28 - 7600	4640	32000	NA	NA	No	BSL
	84-74-2	DI-N-BUTYL PHTHALATE	28 J	38 J	ug/kg	SB-266-SS	6/108	16 - 7600	38	780000	610,000 N	NA	No	BSL
	117-84-0	DI-N-OCTYL PHTHALATE	53 J	53 J	ug/kg	SB-95-SS	1/108	28 - 7600	53	NA	NA	NA	No	NTX
	132-64-9	DIBENZOFURAN	11 J	1650 J	ug/kg	SB-268-SS	13/108	3.4 - 7600	1650	7800	7,800 N	NA	No	BSL
	131-11-3	DIMETHYL PHTHALATE	60 J	2000 J	ug/kg	SB-58-SS	2/108	18 - 8110	2000	NA	NA	NA	No	NTX
	108-95-2	PHENOL	420	940 J	ug/kg	SB-92-SS	2/108	28 - 8110	940	2300000	1,800,000 N	NA	No	BSL
	Polycyclic Aromatic Hydrocarbons													
	90-12-0	1-METHYLNAPHTHALENE	10	480	ug/kg	D-SB-771-SS	9/82	3.4 - 1670	480	NA	22,000 C	NA	No	BSL
	91-57-6	2-METHYLNAPHTHALENE	8.9	990 J	ug/kg	SB-66-SS	23/159	3.4 - 7600	990	31000	31,000 N	NA	No	BSL
	83-32-9	ACENAPHTHENE	7.5 J	4500	ug/kg	D-SB-771-SS	46/198	3.4 - 7600	4500	470000	340,000 N	NA	No	BSL
	208-96-8	ACENAPHTHYLENE	10	1600 J	ug/kg	SB-67-SS	28/198	3.4 - 7600	1600	470000	340,000 N[11]	NA	No	BSL
	120-12-7	ANTHRACENE	10	9420	ug/kg	SB-268-SS	71/198	3.5 - 7600	9420	2300000	1,700,000 N	NA	No	BSL
	--	**BAP EQUIVALENT-POSITIVE RESULTS[21]**	0.0072	49963	ug/kg	F-SB-95RE-1	429/565	1.4 - 4200	49963	**22**	**15 C**	NA	**Yes**	ASL

Table 3-17

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Surface Soil (0-2 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Polycyclic Aromatic Hydrocarbons (continued)**													
	--	**BAP EQUIVALENT-1/2 NONDETECT[21]**	1.6	50001	ug/kg	F-SB-95RE-1	429/565	1.4 - 4200	50001	**22**	**15 C**	NA	**Yes**	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	2.8 J	42000	ug/kg	F-SB-95RE-1	330/458	1 - 4800	42000	**220**	**150 C**	NA	**Yes**	ASL
	50-32-8	**BENZO(A)PYRENE**	2.8 J	38000	ug/kg	F-SB-95RE-1	407/565	1.4 - 4800	38000	**22**	**15 C**	NA	**Yes**	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	1.9 J	55000	ug/kg	F-SB-95RE-1	340/452	1.3 - 4800	55000	**220**	**150 C**	NA	**Yes**	ASL
	--	**BENZO(B+K)FLUORANTHENE**	220 J	7200 J	ug/kg	SB-84-SS	4/6	400 - 2100	7200	**220 [19]**	**150 C[19]**	NA	**Yes**	ASL
	191-24-2	BENZO(G,H,I)PERYLENE	8 J	24000 J	ug/kg	SB-91-SS	98/198	3.5 - 7600	24000	230000	170,000 N[12]	NA	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	1.475	23000	ug/kg	F-SB-95RE-1, SB-268-SS	283/452	1.6 - 7600	23000	**2200**	**1,500 C**	NA	**Yes**	ASL
	218-01-9	**CHRYSENE**	3.2 J	41000	ug/kg	G-SB-761C-1	343/458	0.96 - 4200	41000	**22000**	**15,000 C**	NA	**Yes**	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	2.8 J	7200 J	ug/kg	SB-91-SS	179/458	1.4 - 7600	7200	**22**	**15 C**	NA	**Yes**	ASL
	206-44-0	FLUORANTHENE	8.4	63200	ug/kg	SB-268-SS	136/198	3.6 - 4800	63200	310000	230,000 N	NA	No	BSL
	86-73-7	FLUORENE	8.8	3580	ug/kg	SB-268-SS	48/198	3.4 - 7600	3580	310000	230,000 N	NA	No	BSL
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	2.4 J	20000	ug/kg	F-SB-95RE-1	305/458	0.41 - 7600	20000	**220**	**150 C**	NA	**Yes**	ASL
	91-20-3	NAPHTHALENE	7.3	3100	ug/kg	D-SB-771-SS	42/198	3.4 - 7600	3100	160000	3,600 C	17,000 N	No	BSL
	85-01-8	PHENANTHRENE	8	36100	ug/kg	SB-268-SS	111/198	3.5 - 4800	36100	2300000	170,000 N[12]	NA	No	BSL
	129-00-0	PYRENE	7 J	55000 J	ug/kg	SB-91-SS	143/198	3.6 - 3700	55000	230000	170,000 N	NA	No	BSL
	Pesticides/Polychlorinated Biphenyls													
	72-54-8	4,4'-DDD	4 J	4 J	ug/kg	D-SB-794-SS	1/27	0.66 - 1200	4	2700	2,000 C	NA	No	BSL
	72-55-9	4,4'-DDE	1.5 J	7.8 J	ug/kg	D-SS-783-01	3/27	0.41 - 1200	7.8	1900	1,400 C	NA	No	BSL
	53469-21-9	AROCLOR-1242	32 J	58	ug/kg	SB-235-SS	2/341	14 - 740000	58	320	220 C	NA	No	BSL
	11097-69-1	**AROCLOR-1254**	12 J	36000	ug/kg	SB-555-SS0-0.5	5/341	17 - 740000	36000	**320**	**110 N[8]**	NA	**Yes**	ASL
	11096-82-5	**AROCLOR-1260**	4.3 J	1800000	ug/kg	SB-353-0001	151/341	17 - 410	1800000	**320**	**220 C**	NA	**Yes**	ASL
	319-85-7	BETA-BHC	6.4 J	9.1 J	ug/kg	D-SS-783-01	2/27	1.2 - 1200	9.1	350	270 C	6,000 C	No	BSL
	1336-36-3	**TOTAL AROCLOR**	4.3	1800000	ug/kg	SB-353-0001	153/341	0 - 0	1800000	**320 [13]**	**220 C[14]**	NA	**Yes**	ASL
	Metals													
	7440-36-0	**ANTIMONY**	0.031 L	4 L	mg/kg	SB-237-01	54/102	0.025 - 3.3	4	**3.1**	**3.1 N**	NA	**Yes**	ASL
	7440-38-2	**ARSENIC**	0.52 J	37	mg/kg	SB-92-SS	111/133	0.48 - 4.8	37	**0.43**	**0.39 C**	769 C	**Yes**	ASL
	7440-39-3	BARIUM	3.7	207	mg/kg	SB-268-SS	73/73	--	207	1600	1,500 N	70900 N	No	BSL
	7440-41-7	BERYLLIUM	0.055 J	5.4	mg/kg	SB-91-SS	77/115	0.05 - 4	5.4	16	16 N	1380 C	No	BSL
	7440-43-9	**CADMIUM**	0.0125	14	mg/kg	SB-85-SS	45/115	0.0082 - 4	14	**3.9**	**7 N**	1840 C	**Yes**	ASL
	7440-47-3	CHROMIUM	3.1 K	185	mg/kg	SB-237-01	115/115	--	185	12000 [15]	12,000 N[15]	276 C	No	BSL
	7440-48-4	**COBALT**	0.5	51.2	mg/kg	SB-197-SS	73/73	--	51.2	NA	**2.3 N**	1180 C	**Yes**	ASL
	7440-50-8	COPPER	2.9	74	mg/kg	SB-55-SS	114/115	2.6 - 2.6	74	310	310 N	NA	No	BSL
	7439-89-6	**IRON**	3870	29900	mg/kg	SB-518-0001	36/36	--	29900	**5500**	**5,500 N**	NA	**Yes**	ASL
	7439-92-1	**LEAD**	0.98	447	mg/kg	SB-268-SS	106/115	2.8 - 8	447	**400**	**400**	NA	**Yes**	ASL
	7439-96-5	**MANGANESE**	9.4 J	1370 J	mg/kg	SB-503-0001	36/36	--	1,370	**160**	**180 N**	7090 N	**Yes**	ASL
	7439-97-6	**MERCURY**	0.01	4.2	mg/kg	SB-84-SS	94/167	0.01 - 0.16	4.2	**2.3 [16]**	**2.3 N[17]**	NA	**Yes**	ASL
	7439-98-7	**MOLYBDENUM**	0.14 J	63	mg/kg	SB-237-01	25/73	0.077 - 2	63	NA	**39 N**	NA	**Yes**	ASL
	7440-02-0	**NICKEL**	0.64	280 J	mg/kg	SB-86-SS	108/115	5 - 9	280	**160**	**150 N**	NA	**Yes**	ASL
	7782-49-2	SELENIUM	0.11 J	4.7	mg/kg	SB-91-SS	43/115	0.18 - 4	4.7	39	39 N	NA	No	BSL
	7440-22-4	SILVER	0.023 J	3.4	mg/kg	SB-23A-SS	36/89	0.017 - 3.2	3.4	39	39 N	NA	No	BSL
	7440-28-0	THALLIUM	0.026 K	0.38	mg/kg	SB-504-0001	15/115	0.014 - 3.2	0.38	0.55	NA	NA	No	BSL
	7440-62-2	**VANADIUM**	8.5 J	60.7 J	mg/kg	SB-505-0001	73/73	--	60.7	**7.8**	**39 N[18]**	NA	**Yes**	ASL
	7440-66-6	ZINC	2.9	302	mg/kg	SB-505-0001	95/115	3.1 - 40	302	2300	2,300 N	NA	No	BSL
	Petroleum Hydrocarbons													
	--	**DIESEL RANGE ORGANICS**	8600 J	8900000 J	ug/kg	E-SB-833A-02	47/73	10000 - 18000	8900000	**230000**	NA	NA	**Yes**	ASL
	--	**GASOLINE RANGE ORGANICS**	31 J	810000	ug/kg	G-SB-734-0-4	23/85	13.1 - 13300	810000	**230000**	NA	NA	**Yes**	ASL
	--	TPH (C09-C36)	3300 J	34000	ug/kg	SB-284-0102	6/7	6100 - 6100	34000	NA	28,400,000 N[20]	NA	No	BSL
	--	TPH (C10-C32)	2200 J	650000	ug/kg	SB-503-0001	13/21	610 - 22000	650000	NA	28,400,000 N[20]	NA	No	BSL

Table 3-17

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Surface Soil (0-2 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Miscellaneous Parameters**													
	18540-29-9	**HEXAVALENT CHROMIUM**	0.32 J	3.6	mg/kg	SB-268-SS, SB-265-SS	15/24	0.28 - 0.4	3.6	23	**0.29 C**	276 C	**Yes**	ASL
	22967-92-6	MERCURY (METHYL)	0.071 J	1.467 J	ug/kg	SB-237-01	5/5	--	1.467	780	780 N	NA	No	BSL
	--	PERCENT SOLIDS	46.1	97	%	SB-569-SS0.5-1	285/285	--	97	NA	NA	NA	No	NTX
	--	PH	6	8.4	S.U.	SB-265-02	6/6	--	8.4	NA	NA	NA	No	NTX
	--	TOTAL SOLIDS	82	92	%	SB-293-0102	7/7	--	92	NA	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - USEPA Soil Screening Levels. EPA Internet Site at http://rais.ornl.gov/epa/ssl1.shtml.
7 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
8 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
9 - The value is for xylenes.
10 - The value is for xylene, mixture.
11 - The value for acenaphthene is used as a surrogate for acenaphthylene.
12 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
13 - The value is for PCB (total).
14 - The value is for polychlorinated biphenyls (high risk).
15 - The value is for trivalent chromium.
16 - The value is for mercury (inorganic/mercuric dichloride).
17 - The value is for mercuric chloride.
18 - The value is for vanadium and compounds.
19 - The value for benzo(b)fluoranthene is used as a surrogate for benzo(b+k)fluoranthene.
20 - The value for total petroleum hydrocarbons (aliphatic low) is used.
21 - See Section 3 for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All surface soil samples (0-2 feet) from all tax blocks (D, E, F, G, and H) were included. See Tables 3-1 through 3-5 for sample lists.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria

Table 3-18

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Surface Soil (0-2 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Volatile Organic Compounds**												
	75-34-3	**1,1-DICHLOROETHANE**	1 J	1 J	ug/kg	SB-195-SS	1/109	0.27 - 710	1	5100	**0.69**	**Yes**	ASL
	75-35-4	1,1-DICHLOROETHENE	2.5	2.5	ug/kg	SB-195-SS	1/109	0.39 - 750	2.5	2900	120	No	BSL
	87-61-6	**1,2,3-TRICHLOROBENZENE**	11 J	43000 J	ug/kg	E-SB-833K-02	8/109	0.28 - 8	43000	NA	**87**	**Yes**	ASL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.2 J	0.4 J	ug/kg	SB-284-0102	3/56	0.13 - 7.1	0.4	NA	NA	No	NTX
	120-82-1	**1,2,4-TRICHLOROBENZENE**	47 J	210000	ug/kg	E-SB-833K-02	8/109	0.2 - 8	210000	**2400**	**6.8**	**Yes**	ASL
	95-63-6	**1,2,4-TRIMETHYLBENZENE**	0.83 J	33	ug/kg	SB-66-SS	4/109	0.48 - 210	33	NA	**21**	**Yes**	ASL
	95-50-1	**1,2-DICHLOROBENZENE**	3.4 J	970 J	ug/kg	E-SB-833E-02	4/109	0.27 - 360	970	4600	**360**	**Yes**	ASL
	108-67-8	1,3,5-TRIMETHYLBENZENE	23	23	ug/kg	SB-66-SS	1/53	1.92 - 8	23	NA	520	No	BSL
	541-73-1	**1,3-DICHLOROBENZENE**	0.33 J	1100 J	ug/kg	E-SB-833K-02	4/109	0.26 - 190	1100	**290**	NA	**Yes**	ASL
	106-46-7	**1,4-DICHLOROBENZENE**	1.3 J	2700 J	ug/kg	E-SB-833K-02	7/109	0.49 - 8	2700	**4.2**	**0.41**	**Yes**	ASL
	78-93-3	2-BUTANONE	1.6 J	88 J	ug/kg	E-SB-833J-02	24/104	1 - 1800	88	29000	1,500	No	BSL
	67-64-1	ACETONE	7.3 J	440 J	ug/kg	D-SB-788-SS	31/107	4.7 - 9800	440	22000	4,500	No	BSL
	71-43-2	**BENZENE**	0.72 J	0.72 J	ug/kg	D-SS-786-01	1/110	0.17 - 500	0.72	1.9	**0.21**	**Yes**	ASL
	75-15-0	CARBON DISULFIDE	0.65 J	7.1	ug/kg	SB-238-SS	20/109	0.33 - 500	7.1	19000	310	No	BSL
	108-90-7	CHLOROBENZENE	12	12	ug/kg	E-SB-833G-02	1/109	0.24 - 270	12	680	62	No	BSL
	74-87-3	CHLOROMETHANE	3 J	3 J	ug/kg	SB-284-0102	1/109	0.3 - 580	3	930	49	No	BSL
	100-41-4	**ETHYLBENZENE**	0.31 J	8	ug/kg	SB-66-SS	3/110	0.19 - 230	8	15000	**1.7**	**Yes**	ASL
	98-82-8	ISOPROPYLBENZENE	47 J	47 J	ug/kg	SB-84-SS	1/109	0.12 - 270	47	64000	1,100	No	BSL
	--	M+P-XYLENES	10 J	10 J	ug/kg	SB-66-SS, SB-33A-SS	2/109	0.89 - 260	10	3000 [7]	200 [8]	No	BSL
	75-09-2	**METHYLENE CHLORIDE**	2.9 J	88 J	ug/kg	E-SB-833F-02	20/109	0.5 - 3200	88	**19**	**1.2**	**Yes**	ASL
	104-51-8	N-BUTYLBENZENE	0.9 J	0.9 J	ug/kg	SB-284-0102	1/109	0.17 - 330	0.9	NA	NA	No	NTX
	103-65-1	N-PROPYLBENZENE	7 J	7 J	ug/kg	SB-84-SS	1/109	0.3 - 580	7	NA	2,500	No	BSL
	91-20-3	**NAPHTHALENE**	2 J	260	ug/kg	SB-66-SS	8/110	0.14 - 280	260	**150**	**0.47**	**Yes**	ASL
	95-47-6	O-XYLENE	0.43 J	23	ug/kg	SB-66-SS	2/109	0.26 - 360	23	3000 [7]	1,200	No	BSL
	75-65-0	TERTIARY-BUTYL ALCOHOL	5 J	620 J	ug/kg	E-SB-833L-02	4/20	8 - 61	620	NA	NA	No	NTX
	127-18-4	**TETRACHLOROETHENE**	1.8 J	1.8 J	ug/kg	E-SB-833N-02	1/109	0.39 - 500	1.8	4.7	**0.049**	**Yes**	ASL
	108-88-3	TOLUENE	0.31 J	13.3	ug/kg	SB-202-SS	14/110	0.2 - 710	13.3	27000	1,600	No	BSL
	1330-20-7	TOTAL XYLENES	1.1 J	1.2 J	ug/kg	SB-500-0001	2/69	0.5 - 340	1.2	3000 [7]	200	No	BSL
	79-01-6	**TRICHLOROETHENE**	0.65 J	4.8	ug/kg	SB-202-SS	6/109	0.31 - 410	4.8	**0.26**	**0.72**	**Yes**	ASL
	75-69-4	TRICHLOROFLUOROMETHANE	0.85 J	0.85 J	ug/kg	D-SB-794-SS	1/109	0.25 - 670	0.85	NA	830	No	BSL
	Semivolatile Organic Compounds												
	88-74-4	2-NITROANILINE	44 J	44 J	ug/kg	SB-6A-SS	1/108	9.5 - 15000	44	NA	150	No	BSL
	65-85-0	BENZOIC ACID	67.4 J	925	ug/kg	SB-267-SS	11/31	40.9 - 16000	925	NA	34,000	No	BSL
	100-51-6	BENZYL ALCOHOL	47.5 J	47.5 J	ug/kg	SB-269-02	1/29	360 - 8110	47.5	NA	890	No	BSL
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	20 J	93 J	ug/kg	SB-505-0001	9/108	20 - 7600	93	2900000	1,100	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	25 J	120 J	ug/kg	SB-507-0001	3/108	10 - 7600	120	NA	510	No	BSL
	105-60-2	CAPROLACTAM	140 J	140 J	ug/kg	SB-1A-SS	1/77	39 - 7600	140	NA	4,500	No	BSL
	86-74-8	**CARBAZOLE**	27 J	4640	ug/kg	SB-268-SS	18/108	28 - 7600	4640	**470**	NA	**Yes**	ASL
	84-74-2	DI-N-BUTYL PHTHALATE	28 J	38 J	ug/kg	SB-266-SS	6/108	16 - 7600	38	5000000	9,200	No	BSL
	117-84-0	DI-N-OCTYL PHTHALATE	53 J	53 J	ug/kg	SB-95-SS	1/108	28 - 7600	53	NA	NA	No	NTX
	132-64-9	**DIBENZOFURAN**	11 J	1650 J	ug/kg	SB-268-SS	13/108	3.4 - 7600	1650	--	**680**	**Yes**	ASL
	131-11-3	DIMETHYL PHTHALATE	60 J	2000 J	ug/kg	SB-58-SS	2/108	18 - 8110	2000	NA	NA	No	NTX
	108-95-2	PHENOL	420	940 J	ug/kg	SB-92-SS	2/108	28 - 8110	940	67000	6,300	No	BSL

Table 3-18

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Surface Soil (0-2 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Polycyclic Aromatic Hydrocarbons**												
	90-12-0	**1-METHYLNAPHTHALENE**	10	480	ug/kg	D-SB-771-SS	9/82	3.4 - 1670	480	NA	**12**	**Yes**	ASL
	91-57-6	**2-METHYLNAPHTHALENE**	8.9	990 J	ug/kg	SB-66-SS	23/159	3.4 - 7600	990	4400	**750**	**Yes**	ASL
	83-32-9	ACENAPHTHENE	7.5 J	4500	ug/kg	D-SB-771-SS	46/198	3.4 - 7600	4500	100000	22,000	No	BSL
	208-96-8	ACENAPHTHYLENE	10	1600 J	ug/kg	SB-67-SS	28/198	3.4 - 7600	1600	100000	22,000 [9]	No	BSL
	120-12-7	ANTHRACENE	10	9420	ug/kg	SB-268-SS	71/198	3.5 - 7600	9420	470000	360,000	No	BSL
	--	**BAP EQUIVALENT-POSITIVE RESULTS[15]**	0.0072	49963	ug/kg	F-SB-95RE-1	429/565	1.4 - 4200	49963	**120**	**3.5**	**Yes**	ASL
	--	**BAP EQUIVALENT-1/2 NONDETECT[15]**	1.6	50001	ug/kg	F-SB-95RE-1	429/565	1.4 - 4200	50001	**120**	**3.5**	**Yes**	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	2.8 J	42000	ug/kg	F-SB-95RE-1	330/458	1 - 4800	42000	**480**	**10**	**Yes**	ASL
	50-32-8	**BENZO(A)PYRENE**	2.8 J	38000	ug/kg	F-SB-95RE-1	407/565	1.4 - 4800	38000	**120**	**3.5**	**Yes**	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	1.9 J	55000	ug/kg	F-SB-95RE-1	340/452	1.3 - 4800	55000	**1500**	**35**	**Yes**	ASL
	--	**BENZO(B+K)FLUORANTHENE**	220 J	7200 J	ug/kg	SB-84-SS	4/6	400 - 2100	7200	**1500** [14]	**35** [14]	**Yes**	ASL
	191-24-2	BENZO(G,H,I)PERYLENE	8 J	24000 J	ug/kg	SB-91-SS	98/198	3.5 - 7600	24000	680000	120,000 [10]	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	1.475	23000	ug/kg	F-SB-95RE-1, SB-268-SS	283/452	1.6 - 7600	23000	**15000**	**350**	**Yes**	ASL
	218-01-9	**CHRYSENE**	3.2 J	41000	ug/kg	G-SB-761C-1	343/458	0.96 - 4200	41000	48000	**1,100**	**Yes**	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	2.8 J	7200 J	ug/kg	SB-91-SS	179/458	1.4 - 7600	7200	**460**	**11**	**Yes**	ASL
	206-44-0	FLUORANTHENE	8.4	63200	ug/kg	SB-268-SS	136/198	3.6 - 4800	63200	6300000	160,000	No	BSL
	86-73-7	FLUORENE	8.8	3580	ug/kg	SB-268-SS	48/198	3.4 - 7600	3580	140000	27,000	No	BSL
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	2.4 J	20000	ug/kg	F-SB-95RE-1	305/458	0.41 - 7600	20000	**4200**	**120**	**Yes**	ASL
	91-20-3	**NAPHTHALENE**	7.3	3100	ug/kg	D-SB-771-SS	42/198	3.4 - 7600	3100	**150**	**0.47**	**Yes**	ASL
	85-01-8	PHENANTHRENE	8	36100	ug/kg	SB-268-SS	111/198	3.5 - 4800	36100	470000	120,000 [10]	No	BSL
	129-00-0	PYRENE	7 J	55000 J	ug/kg	SB-91-SS	143/198	3.6 - 3700	55000	680000	120,000	No	BSL
	Pesticides/Polychlorinated Biphenyls												
	72-54-8	4,4'-DDD	4 J	4 J	ug/kg	D-SB-794-SS	1/27	0.66 - 1200	4	11000	66	No	BSL
	72-55-9	4,4'-DDE	1.5 J	7.8 J	ug/kg	D-SS-783-01	3/27	0.41 - 1200	7.8	35000	47	No	BSL
	53469-21-9	**AROCLOR-1242**	32 J	58	ug/kg	SB-235-SS	2/341	14 - 740000	58	--	**5.3**	**Yes**	ASL
	11097-69-1	**AROCLOR-1254**	12 J	36,000	ug/kg	SB-555-SS0-0.5	5/341	17 - 740000	36000	**1100**	**8.8**	**Yes**	ASL
	11096-82-5	**AROCLOR-1260**	4.3 J	1800000	ug/kg	SB-353-0001	151/341	17 - 410	1800000	--	**24**	**Yes**	ASL
	319-85-7	**BETA-BHC**	6.4 J	9.1 J	ug/kg	D-SS-783-01	2/27	1.2 - 1200	9.1	**3.1**	**0.22**	**Yes**	ASL
	1336-36-3	**TOTAL AROCLOR**	4.3	1800000	ug/kg	SB-353-0001	153/341	0 - 0	1800000	**410** [11]	NA	**Yes**	ASL
	Metals												
	7440-36-0	**ANTIMONY**	0.031 L	4 L	mg/kg	SB-237-01	54/102	0.025 - 3.3	4	13	**0.66**	**Yes**	ASL
	7440-38-2	**ARSENIC**	0.52 J	37	mg/kg	SB-92-SS	111/133	0.48 - 4.8	37	**0.026**	**0.0013**	**Yes**	ASL
	7440-39-3	BARIUM	3.7	207	mg/kg	SB-268-SS	73/73	--	207	6000	300	No	BSL
	7440-41-7	BERYLLIUM	0.055 J	5.4	mg/kg	SB-91-SS	77/115	0.05 - 4	5.4	1200	58	No	BSL
	7440-43-9	**CADMIUM**	0.0125	14	mg/kg	SB-85-SS	45/115	0.0082 - 4	14	27	**1.4**	**Yes**	ASL
	7440-47-3	CHROMIUM	3.1 K	185	mg/kg	SB-237-01	115/115	--	185	2000000000 [12]	99,000,000 [12]	No	BSL
	7440-48-4	**COBALT**	0.5	51.2	mg/kg	SB-197-SS	73/73	--	51.2	NA	**0.49**	**Yes**	ASL
	7440-50-8	**COPPER**	2.9	74	mg/kg	SB-55-SS	114/115	2.6 - 2.6	74	11000	**51**	**Yes**	ASL
	7439-89-6	**IRON**	3870	29900	mg/kg	SB-518-0001	36/36	--	29900	--	**640**	**Yes**	ASL
	7439-92-1	**LEAD**	0.98	447	mg/kg	SB-268-SS	106/115	2.8 - 8	447	--	**14** [13]	**Yes**	ASL
	7439-96-5	**MANGANESE**	9.4 J	1370 J	mg/kg	SB-503-0001	36/36	--	1370	**950**	**57**	**Yes**	ASL
	7439-97-6	MERCURY	0.01	4.2	mg/kg	SB-84-SS	94/167	0.01 - 0.16	4.2	--	NA	No	NTX
	7439-98-7	**MOLYBDENUM**	0.14 J	63	mg/kg	SB-237-01	25/73	0.077 - 2	63	NA	**3.7**	**Yes**	ASL
	7440-02-0	**NICKEL**	0.64	280 J	mg/kg	SB-86-SS	108/115	5 - 9	280	--	**48**	**Yes**	ASL

Table 3-18

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Surface Soil (0-2 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Metals (continued)**												
	7782-49-2	**SELENIUM**	0.11 J	4.7	mg/kg	SB-91-SS	43/115	0.18 - 4	4.7	19	**1.0**	**Yes**	ASL
	7440-22-4	**SILVER**	0.023 J	3.4	mg/kg	SB-23A-SS	36/89	0.017 - 3.2	3.4	31	**1.6**	**Yes**	ASL
	7440-28-0	THALLIUM	0.026 K	0.38	mg/kg	SB-504-0001	15/115	0.014 - 3.2	0.38	3.6	NA	No	BSL
	7440-62-2	VANADIUM	8.5 J	60.7 J	mg/kg	SB-505-0001	73/73	--	60.7	730	180	No	BSL
	7440-66-6	ZINC	2.9	302	mg/kg	SB-505-0001	95/115	3.1 - 40	302	14000	680	No	BSL
	Petroleum Hydrocarbons												
	--	DIESEL RANGE ORGANICS	8600 J	8900000 J	ug/kg	E-SB-833A-02	47/73	10000 - 18000	8900000	--	NA	No	NTX
	--	GASOLINE RANGE ORGANICS	31 J	810000	ug/kg	G-SB-734-0-4	23/85	13.1 - 13300	810000	--	NA	No	NTX
	--	TPH (C09-C36)	3300 J	34000	ug/kg	SB-284-0102	6/7	6100 - 6100	34000	NA	NA	No	NTX
	--	TPH (C10-C32)	2200 J	650000	ug/kg	SB-503-0001	13/21	610 - 22000	650000	NA	NA	No	NTX
	Miscellaneous Parameters												
	18540-29-9	**HEXAVALENT CHROMIUM**	0.32 J	3.6	mg/kg	SB-268-SS, SB-265-SS	15/24	0.28 - 0.4	3.6	42	**0.00083**	**Yes**	ASL
	22967-92-6	MERCURY (METHYL)	0.071 J	1.467 J	ug/kg	SB-237-01	5/5	--	1.467	--	NA	No	NTX
	--	PERCENT SOLIDS	46.1	97	%	SB-569-SS0.5-1	285/285	--	97	NA	NA	No	NTX
	--	PH	6	8.4	S.U.	SB-265-02	6/6	--	8.4	NA	NA	No	NTX
	--	TOTAL SOLIDS	82	92	%	SB-293-0102	7/7	--	92	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
7 - The value is for xylenes.
8 - The value is for xylene, mixture.
9 - The value for acenaphthene is used as a surrogate for acenaphthylene.
10 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
11 - The value is for PCB (total).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - The value for benzo(b)fluoranthene is used as a surrogate for benzo(b+k)fluoranthene.
15 - See Section 3 for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All surface soil samples (0-2 feet) from all tax blocks (D, E, F, G, and H) were included. See Tables 3-1 through 3-5 for sample lists.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria

Table 3-19

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Subsurface Soil (2-10 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Volatile Organic Compounds**													
	75-34-3	1,1-DICHLOROETHANE	0.48 J	0.69 J	ug/kg	SB-515-0406, SB-515-0810	3/266	0.25 - 44000	0.69	1600000	3,300 C	120,000 N	No	BSL
	75-35-4	1,1-DICHLOROETHENE	0.54 J	1.1 J	ug/kg	D-SB-793-09	2/266	0.36 - 46000	1.1	390000	24,000 N	29,000 N	No	BSL
	87-61-6	**1,2,3-TRICHLOROBENZENE**	0.6 J	2200000	ug/kg	E-SB-833-09	32/266	0.26 - 518	2200000	NA	**4,900 N**	NA	**Yes**	ASL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.15 J	49 J	ug/kg	E-SB-833L-04	15/172	0.12 - 2900	49	NA	NA	NA	No	NTX
	120-82-1	**1,2,4-TRICHLOROBENZENE**	5.9 J	9600000	ug/kg	E-SB-833-09	32/266	0.19 - 518	9600000	**78000**	**6200 N[8]**	**18000 N**	**Yes**	ASL
	95-63-6	1,2,4-TRIMETHYLBENZENE	0.69 J	658	ug/kg	SB-238-05	9/266	0.45 - 13000	658	NA	6,200 N	12,000 N	No	BSL
	95-50-1	1,2-DICHLOROBENZENE	0.39 J	120000 J	ug/kg	E-SB-833-09	25/266	0.25 - 290	120000	700000	190,000 N	600000 sat	No	BSL
	107-06-2	1,2-DICHLOROETHANE	1.5 J	51 J	ug/kg	E-SB-833K-10	2/266	0.24 - 26000	51	7000	430 C	360 C	No	BSL
	108-67-8	1,3,5-TRIMETHYLBENZENE	0.94 J	139 J	ug/kg	SB-238-05	2/94	1.93 - 61	139	NA	78,000 N	7,200 N	No	BSL
	541-73-1	**1,3-DICHLOROBENZENE**	0.39 J	38000 J	ug/kg	E-SB-833A-10	14/266	0.24 - 12000	38000	**23000**	NA	NA	**Yes**	ASL
	106-46-7	**1,4-DICHLOROBENZENE**	1.6 J	130000 J	ug/kg	E-SB-833-09	28/266	0.46 - 290	130000	**27000**	**2,400 C**	1,100,000 N	**Yes**	ASL
	78-93-3	2-BUTANONE	1.3 J	110 J	ug/kg	E-SB-833L-06	56/242	0.98 - 110000	110	4700000	2,800,000 N	24000000 sat	No	BSL
	99-87-6	4-ISOPROPYLTOLUENE	0.34 J	165 J	ug/kg	SB-238-05	5/266	0.15 - 12000	165	NA	NA	NA	No	NTX
	67-64-1	ACETONE	3.6 J	16000 J	ug/kg	E-SB-833E-06	99/261	4.4 - 800000	16000	7000000	6,100,000 N	NA	No	BSL
	71-43-2	BENZENE	0.33 J	7	ug/kg	SB-89-05	8/303	0.16 - 31000	7	12000	1,100 C	830 C	No	BSL
	74-83-9	BROMOMETHANE	0.49	0.49	ug/kg	D-SB-783-09	1/266	0.38 - 75000	0.49	11000	730 N	940 N	No	BSL
	75-15-0	CARBON DISULFIDE	0.45 J	35 J	ug/kg	D-SB-786-03	17/266	0.31 - 31000	35	780000	82,000 N	720,000 sat	No	BSL
	56-23-5	CARBON TETRACHLORIDE	0.88 J	0.88 J	ug/kg	E-SB-833G-08	1/266	0.26 - 16000	0.88	4900	610 C	330 C	No	BSL
	108-90-7	CHLOROBENZENE	1.8 J	4000 J	ug/kg	E-SB-833L-08	12/266	0.23 - 16000	4000	160000	29,000 N	13,000 N	No	BSL
	156-59-2	CIS-1,2-DICHLOROETHENE	0.37 J	9.7	ug/kg	SB-515-0406	4/266	0.25 - 18000	9.7	78000	16000 N	NA	No	BSL
	100-41-4	ETHYLBENZENE	0.67 J	394	ug/kg	SB-238-05	7/303	0.18 - 14000	394	780000	5,400 C	400,000 sat	No	BSL
	98-82-8	ISOPROPYLBENZENE	0.82 J	990 J	ug/kg	SB-84-05	5/266	0.11 - 17000	990	780000	210,000 N	850,000 sat	No	BSL
	--	M+P-XYLENES	2.1 J	270 J	ug/kg	SB-238-05	7/266	0.84 - 16000	270	1600000 [9]	63,000 N[10]	70000 N[10]	No	BSL
	75-09-2	METHYLENE CHLORIDE	2.4 J	4800 J	ug/kg	E-SB-833E-06	40/266	0.47 - 360000	4800	85000	11,000 C	13000 C	No	BSL
	104-51-8	N-BUTYLBENZENE	125 J	2900 J	ug/kg	E-SB-833A-06	3/266	0.16 - 21000	2900	NA	NA	NA	No	NTX
	103-65-1	N-PROPYLBENZENE	1.2 J	2200 J	ug/kg	SB-84-05	3/266	0.28 - 36000	2200	NA	340,000 N	NA	No	BSL
	91-20-3	**NAPHTHALENE**	0.56 J	159000	ug/kg	SB-238-05	24/303	0.13 - 140000	159000	160000	**3,600 C**	**17000 N**	**Yes**	ASL
	95-47-6	O-XYLENE	0.8 J	186 J	ug/kg	SB-238-05	9/266	0.24 - 22000	186	1600000 [9]	380,000 N	NA	No	BSL
	135-98-8	SEC-BUTYLBENZENE	380 J	380 J	ug/kg	E-SB-833A-06	1/266	0.13 - 12000	380	NA	NA	NA	No	NTX
	75-65-0	TERTIARY-BUTYL ALCOHOL	5 J	1200 J	ug/kg	E-SB-833L-04	13/65	8 - 7200000	1200	NA	NA	NA	No	NTX
	127-18-4	TETRACHLOROETHENE	0.49 J	2.6 J	ug/kg	E-SB-833G-08	4/266	0.36 - 31000	2.6	1200	550 C	10000 C	No	BSL
	108-88-3	TOLUENE	0.21 J	270 J	ug/kg	E-SB-833I-10	41/303	0.19 - 44000	270	630000	500000 N	650000 sat	No	BSL
	1330-20-7	TOTAL XYLENES	1.5 J	600	ug/kg	SB-88-05	15/230	0.47 - 21000	600	1600000 [9]	63000 N	70000 N	No	BSL
	79-01-6	TRICHLOROETHENE	0.32 J	2.7	ug/kg	SB-202-05, SB-201-10	16/266	0.29 - 25000	2.7	1600	2800 C	71 C	No	BSL
	75-69-4	TRICHLOROFLUOROMETHANE	0.74 J	29	ug/kg	SB-520-0810	5/266	0.24 - 41000	29	NA	79,000 N	110000 N	No	BSL
	75-01-4	VINYL CHLORIDE	0.48 J	3.5 J	ug/kg	SB-515-0406	3/266	0.27 - 46000	3.5	90	60 C	280 C	No	BSL
	Semivolatile Organic Compounds													
	105-67-9	2,4-DIMETHYLPHENOL	68 J	68 J	ug/kg	SB-238-05	1/214	22 - 65000	68	160000	120,000 N	NA	No	BSL
	65-85-0	BENZOIC ACID	43 J	136 J	ug/kg	SB-195-05	6/45	42.3 - 1200	136	NA	24000000 N	NA	No	BSL
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	22 J	190 J	ug/kg	SB-296-0910	17/214	21 - 62000	190	46000	35000 C	NA	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	36 J	36 J	ug/kg	D-SB-795-07	1/214	11 - 33000	36	NA	260,000 C	NA	No	BSL
	86-74-8	CARBAZOLE	22 J	5690	ug/kg	SB-238-05	9/214	30 - 88000	5690	32000	NA	NA	No	BSL
	84-74-2	DI-N-BUTYL PHTHALATE	38 J	76 J	ug/kg	SB-66-10	3/214	17 - 49000	76	780000	610000 N	NA	No	BSL
	117-84-0	DI-N-OCTYL PHTHALATE	76 J	76 J	ug/kg	SB-63-05	1/214	30 - 88000	76	NA	NA	NA	No	NTX
	132-64-9	DIBENZOFURAN	8.9 J	3980	ug/kg	SB-238-05	16/214	3.6 - 11000	3980	7800	7,800 N	NA	No	BSL
	131-11-3	DIMETHYL PHTHALATE	62 J	310 J	ug/kg	SB-55-10	3/214	19 - 55000	310	NA	NA	NA	No	NTX
	86-30-6	N-NITROSODIPHENYLAMINE	34 J	81 J	ug/kg	SB-238-05	2/213	23 - 69000	81	130000	99,000 C	NA	No	BSL
	108-95-2	PHENOL	140 J	1900	ug/kg	SB-81-05	11/214	30 - 88000	1900	2300000	1800000 N	NA	No	BSL

Table 3-19

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Subsurface Soil (2-10 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Polycyclic Aromatic Hydrocarbons**													
	90-12-0	1-METHYLNAPHTHALENE	8.6	3420	ug/kg	SB-238-05	27/232	3.5 - 440	3420	NA	22,000 C	NA	No	BSL
	91-57-6	2-METHYLNAPHTHALENE	7.9	6900	ug/kg	SB-238-05	43/401	3.5 - 11000	6900	31000	31000 N	NA	No	BSL
	83-32-9	ACENAPHTHENE	8.2	27000	ug/kg	E-SB-833-09	56/401	3.5 - 3900	27000	470000	340000 N	NA	No	BSL
	208-96-8	ACENAPHTHYLENE	7.9	1000	ug/kg	G-SB-813-09	36/401	3.5 - 11000	1000	470000	340000 N[11]	NA	No	BSL
	120-12-7	ANTHRACENE	5.25	28000	ug/kg	E-SB-833-09	79/401	3.5 - 3900	28000	2300000	1700000	NA	No	BSL
	--	**BAP EQUIVALENT-POSITIVE RESULTS[20]**	0.008	57089	ug/kg	G-SB-735A-5	797/1929	1.4 - 4200	57089	**22**	**15 C**	NA	**Yes**	ASL
	--	**BAP EQUIVALENT-1/2 NONDETECT[20]**	1.2	57089	ug/kg	G-SB-735A-5	797/1929	1.4 - 4200	57089	**22**	**15 C**	NA	**Yes**	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	1.4 J	44000	ug/kg	G-SB-735A-5	610/1467	1 - 3800	44000	**220**	**150 C**	NA	**Yes**	ASL
	50-32-8	**BENZO(A)PYRENE**	2.6 J	37000	ug/kg	G-SB-735A-5	727/1928	1.4 - 4200	37000	**22**	**15 C**	NA	**Yes**	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	1.6 J	55000	ug/kg	G-SB-735A-5	648/1459	1.3 - 3800	55000	**220**	**150 C**	NA	**Yes**	ASL
	191-24-2	BENZO(G,H,I)PERYLENE	6.375	9200 J	ug/kg	G-SB-806-09	100/401	3.5 - 11000	9200	230000	170000 N[12]	NA	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	2.25	25000	ug/kg	G-SB-735A-5	472/1459	1.4 - 11000	25000	**2200**	**1500 C**	NA	**Yes**	ASL
	218-01-9	**CHRYSENE**	1.4 J	42000	ug/kg	E-SB-833-09	625/1467	0.97 - 3800	42000	**22000**	**15000 C**	NA	**Yes**	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	3.05	7800	ug/kg	G-SB-735A-5	267/1467	1.4 - 11000	7800	**22**	**15 C**	NA	**Yes**	ASL
	206-44-0	FLUORANTHENE	8.4	81000	ug/kg	E-SB-833-09	146/401	3.5 - 3800	81000	310000	230000 N	NA	No	BSL
	86-73-7	FLUORENE	8.5	6330	ug/kg	SB-238-05	53/401	3.5 - 11000	6330	310000	230000 N	NA	No	BSL
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	0.96 J	21000 J	ug/kg	G-SB-714-6, G-SB-735A-5	543/1467	0.41 - 11000	21000	**220**	**150 C**	NA	**Yes**	ASL
	91-20-3	**NAPHTHALENE**	8.4	31000	ug/kg	SB-238-05	62/401	3.5 - 11000	31000	160000	**3,600 C**	**17000 N**	**Yes**	ASL
	85-01-8	PHENANTHRENE	5.575	88000	ug/kg	E-SB-833-09	109/401	3.5 - 3900	88,000	2300000	170,000 N[12]	NA	No	BSL
	129-00-0	PYRENE	7.8	60000	ug/kg	E-SB-833-09	149/401	3.5 - 3800	60000	230000	170,000 N	NA	No	BSL
	Pesticides/Polychlorinated Biphenyls													
	72-55-9	4,4'-DDE	34 J	34 J	ug/kg	D-SB-790-05	1/78	0.43 - 46	34	1900	1,400 C	NA	No	BSL
	11097-69-1	**AROCLOR-1254**	27	9800	ug/kg	SB-555-4	3/550	15 - 1100000	9800	**320**	**110 N[8]**	NA	**Yes**	ASL
	11096-82-5	**AROCLOR-1260**	8.1 J	24000000	ug/kg	E-SB-833-09	100/550	4.8 - 360	24000000	**320**	**220 C**	NA	**Yes**	ASL
	319-85-7	BETA-BHC	1.3 J	1.3 J	ug/kg	D-SB-792-03	1/78	1.2 - 66	1.3	350	270 C	6000 C	No	BSL
	1336-36-3	**TOTAL AROCLOR**	8	24000000	ug/kg	E-SB-833-09	102/550	0 - 0	24000000	**320 [13]**	**220 C[14]**	NA	**Yes**	ASL
	Metals													
	7440-36-0	ANTIMONY	0.056 L	2 L	mg/kg	SB-236-05	59/207	0.0056 - 3.6	2	3.1	3.1 N	NA	No	BSL
	7440-38-2	**ARSENIC**	0.22 L	14.3	mg/kg	D-SB-786-07	202/233	0.51 - 5.3	14.3	**0.43**	**0.39 C**	769 C	**Yes**	ASL
	7440-39-3	BARIUM	1.6	103	mg/kg	SB-236-05	155/155	--	103	1600	1,500 N	70900 N	No	BSL
	7440-41-7	BERYLLIUM	0.076	6.6 J	mg/kg	D-SB-795-03	160/226	0.015 - 3.6	6.6	16	16 N	1380 C	No	BSL
	7440-43-9	CADMIUM	0.016	1.1	mg/kg	D-SB-788-03	67/226	0.0037 - 3.6	1.1	3.9	7 N	1840 C	No	BSL
	7440-47-3	CHROMIUM	1.5 J	120 J	mg/kg	SB-60-10	215/225	2.6 - 14	120	12000 [15]	12,000 N[15]	276 C	No	BSL
	7440-48-4	**COBALT**	0.18	68.1	mg/kg	SB-197-05	153/155	3.2 - 11	68.1	NA	**2.3 N**	1180 C	**Yes**	ASL
	7440-50-8	COPPER	1 J	110 J	mg/kg	D-SB-784-07	217/226	2.3 - 3.4	110	310	310 N	NA	No	BSL
	7439-89-6	**IRON**	1290	72900 J	mg/kg	D-SB-787-09	102/102	--	72900	**5500**	**5,500 N**	NA	**Yes**	ASL
	7439-92-1	**LEAD**	0.71 J	1,010	mg/kg	D-SB-783-03	211/226	1 - 4	1010	**400**	**400**	NA	**Yes**	ASL
	7439-96-5	**MANGANESE**	2.2 L	326 J	mg/kg	D-SB-794-03	102/102	--	326	**160**	**180 N**	7090 N	**Yes**	ASL
	7439-97-6	**MERCURY**	0.007	3.3	mg/kg	SB-33-05	103/424	0.002 - 0.15	3.3	**2.3 [16]**	**2.3 N[17]**	NA	**Yes**	ASL
	7439-98-7	MOLYBDENUM	0.16 J	1.3 J	mg/kg	SB-504-0810	72/155	0.072 - 0.9	1.3	NA	39 N	NA	No	BSL
	7440-02-0	NICKEL	0.76 J	150	mg/kg	SB-55-05	212/226	0.39 - 3.6	150	160	150 N	NA	No	BSL
	7782-49-2	SELENIUM	0.2	11 L	mg/kg	SB-31-05	100/218	0.18 - 11	11	39	39 N	NA	No	BSL
	7440-22-4	SILVER	0.03	2.3	mg/kg	SB-236-05	56/174	0.0079 - 3.1	2.3	39	39 N	NA	No	BSL
	7440-28-0	THALLIUM	0.018 J	0.21 K	mg/kg	SB-504-0810	46/226	0.0052 - 5	0.21	0.55	NA	NA	No	BSL
	7440-62-2	**VANADIUM**	2.1	90.5	mg/kg	SB-249-10	155/155	--	90.5	**7.8**	**39 N[18]**	NA	**Yes**	ASL
	7440-66-6	ZINC	2.8	270	mg/kg	SB-55-05	173/226	5.2 - 60	270	2300	2,300 N	NA	No	BSL

Table 3-19

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Subsurface Soil (2-10 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Petroleum Hydrocarbons**													
	--	**DIESEL RANGE ORGANICS**	840 J	28000000	ug/kg	E-SB-833-09	87/192	2400 - 29000	28000000	**230000**	NA	NA	**Yes**	ASL
	--	**GASOLINE RANGE ORGANICS**	34 J	980000	ug/kg	G-SB-728-4	44/220	51 - 15200	980000	**230000**	NA	NA	**Yes**	ASL
	--	TPH (C09-C36)	2900 J	200000	ug/kg	SB-285-0405	11/24	2200 - 8700	200000	NA	28,400,000 N[19]	NA	No	BSL
	--	TPH (C10-C32)	640 J	48000	ug/kg	SB-502-0406	10/39	990 - 130000	48000	NA	28,400,000 N[19]	NA	No	BSL
	Miscellaneous Parameters													
	18540-29-9	**HEXAVALENT CHROMIUM**	0.33 J	1.1	mg/kg	D-SB-788-03	31/76	0.3 - 0.4	1.1	23	**0.29 C**	276 C	**Yes**	ASL
	22967-92-6	MERCURY (METHYL)	0.31 K	1.21 J	ug/kg	SB-236-05	3/3	--	1.21	780	780 N	NA	No	BSL
	--	PERCENT SOLIDS	62.5	95.9	%	SB-395-0203	608/608	--	95.9	NA	NA	NA	No	NTX
	--	PH	4.9	7.7	S.U.	SB-236-05	5/5	--	7.7	NA	NA	NA	No	NTX
	--	TOTAL ORGANIC CARBON	690 J	1350	mg/kg	MRC-MW08[0809]	2/3	238	1350	NA	NA	NA	No	NTX
	--	TOTAL SOLIDS	70	88	%	SB-297-0405	24/24	--	88	NA	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - USEPA Soil Screening Levels. EPA Internet Site at http://rais.ornl.gov/epa/ssl1.shtml.
7 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
8 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
9 - The value is for xylenes.
10 - The value is for xylene, mixture.
11 - The value for acenaphthene is used as a surrogate for acenaphthylene.
12 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
13 - The value is for PCB (total).
14 - The value is for polychlorinated biphenyls (high risk).
15 - The value is for trivalent chromium.
16 - The value is for mercury (inorganic/mercuric dichloride).
17 - The value is for mercuric chloride.
18 - The value is for vanadium and compounds.
19 - The value for total petroleum hydrocarbons (aliphatic low) is used.
20 - See Section 3 for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All subsurface soil (2-10 feet) samples from all tax blocks (D, E, F, G, and H) were included. See Tables 3-6 through 3-10 for sample lists.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria

Table 3-20

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Subsurface Soil (2-10 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Volatile Organic Compounds**												
	75-34-3	1,1-DICHLOROETHANE	0.48 J	0.69 J	ug/kg	SB-515-0406, SB-515-0810	3/266	0.25 - 44000	0.69	5100	0.69	No	BSL
	75-35-4	1,1-DICHLOROETHENE	0.54 J	1.1 J	ug/kg	D-SB-793-09	2/266	0.36 - 46000	1.1	2900	120	No	BSL
	87-61-6	**1,2,3-TRICHLOROBENZENE**	0.6 J	2200000	ug/kg	E-SB-833-09	32/266	0.26 - 518	2200000	NA	**87**	**Yes**	ASL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.15 J	49 J	ug/kg	E-SB-833L-04	15/172	0.12 - 2900	49	NA	NA	No	NTX
	120-82-1	**1,2,4-TRICHLOROBENZENE**	5.9 J	9600000	ug/kg	E-SB-833-09	32/266	0.19 - 518	9600000	**2400**	**6.8**	**Yes**	ASL
	95-63-6	**1,2,4-TRIMETHYLBENZENE**	0.69 J	658	ug/kg	SB-238-05	9/266	0.45 - 13000	658	NA	**21**	**Yes**	ASL
	95-50-1	**1,2-DICHLOROBENZENE**	0.39 J	120000 J	ug/kg	E-SB-833-09	25/266	0.25 - 290	120000	**4600**	**360**	**Yes**	ASL
	107-06-2	**1,2-DICHLOROETHANE**	1.5 J	51 J	ug/kg	E-SB-833K-10	2/266	0.24 - 26000	51	**1**	**0.042**	**Yes**	ASL
	108-67-8	1,3,5-TRIMETHYLBENZENE	0.94 J	139 J	ug/kg	SB-238-05	2/94	1.93 - 61	139	NA	520	No	BSL
	541-73-1	**1,3-DICHLOROBENZENE**	0.39 J	38000 J	ug/kg	E-SB-833A-10	14/266	0.24 - 12000	38000	**290**	NA	**Yes**	ASL
	106-46-7	**1,4-DICHLOROBENZENE**	1.6 J	130000 J	ug/kg	E-SB-833-09	28/266	0.46 - 290	130000	**4.2**	**0.41**	**Yes**	ASL
	78-93-3	2-BUTANONE	1.3 J	110 J	ug/kg	E-SB-833L-06	56/242	0.98 - 110000	110	29000	1,500	No	BSL
	99-87-6	4-ISOPROPYLTOLUENE	0.34 J	165 J	ug/kg	SB-238-05	5/266	0.15 - 12000	165	NA	NA	No	NTX
	67-64-1	**ACETONE**	3.6 J	16000 J	ug/kg	E-SB-833E-06	99/261	4.4 - 800000	16000	22000	**4,500**	**Yes**	ASL
	71-43-2	**BENZENE**	0.33 J	7	ug/kg	SB-89-05	8/303	0.16 - 31000	7	**1.9**	**0.21**	**Yes**	ASL
	74-83-9	BROMOMETHANE	0.49	0.49	ug/kg	D-SB-783-09	1/266	0.38 - 75000	0.49	41	2.2	No	BSL
	75-15-0	CARBON DISULFIDE	0.45 J	35 J	ug/kg	D-SB-786-03	17/266	0.31 - 31000	35	19000	310	No	BSL
	56-23-5	**CARBON TETRACHLORIDE**	0.88 J	0.88 J	ug/kg	E-SB-833G-08	1/266	0.26 - 16000	0.88	2.1	**0.17**	**Yes**	ASL
	108-90-7	**CHLOROBENZENE**	1.8 J	4000 J	ug/kg	E-SB-833L-08	12/266	0.23 - 16000	4000	**680**	**62**	**Yes**	ASL
	156-59-2	CIS-1,2-DICHLOROETHENE	0.37 J	9.7	ug/kg	SB-515-0406	4/266	0.25 - 18000	9.7	NA	21	No	BSL
	100-41-4	**ETHYLBENZENE**	0.67 J	394	ug/kg	SB-238-05	7/303	0.18 - 14000	394	15000	**1.7**	**Yes**	ASL
	98-82-8	ISOPROPYLBENZENE	0.82 J	990 J	ug/kg	SB-84-05	5/266	0.11 - 17000	990	64000	1,100	No	BSL
	--	**M+P-XYLENES**	2.1 J	270 J	ug/kg	SB-238-05	7/266	0.84 - 16000	270	3000 [7]	**200** [8]	**Yes**	ASL
	75-09-2	**METHYLENE CHLORIDE**	2.4 J	4,800 J	ug/kg	E-SB-833E-06	40/266	0.47 - 360000	4800	**19**	**1.2**	**Yes**	ASL
	104-51-8	N-BUTYLBENZENE	125 J	2900 J	ug/kg	E-SB-833A-06	3/266	0.16 - 21000	2900	NA	NA	No	NTX
	103-65-1	N-PROPYLBENZENE	1.2 J	2200 J	ug/kg	SB-84-05	3/266	0.28 - 36000	2200	NA	2,500	No	BSL
	91-20-3	**NAPHTHALENE**	0.56 J	159000	ug/kg	SB-238-05	24/303	0.13 - 140000	159000	**150**	**0.47**	**Yes**	ASL
	95-47-6	O-XYLENE	0.8 J	186 J	ug/kg	SB-238-05	9/266	0.24 - 22000	186	3000 [7]	1,200	No	BSL
	135-98-8	SEC-BUTYLBENZENE	380 J	380 J	ug/kg	E-SB-833A-06	1/266	0.13 - 12000	380	NA	NA	No	NTX
	75-65-0	TERTIARY-BUTYL ALCOHOL	5 J	1200 J	ug/kg	E-SB-833L-04	13/65	8 - 7200000	1200	NA	NA	No	NTX
	127-18-4	**TETRACHLOROETHENE**	0.49 J	2.6 J	ug/kg	E-SB-833G-08	4/266	0.36 - 31000	2.6	4.7	**0.049**	**Yes**	ASL
	108-88-3	TOLUENE	0.21 J	270 J	ug/kg	E-SB-833I-10	41/303	0.19 - 44000	270	27000	1600	No	NTX
	1330-20-7	**TOTAL XYLENES**	1.5 J	600	ug/kg	SB-88-05	15/230	0.47 - 21000	600	3000 [7]	**200**	**Yes**	ASL
	79-01-6	**TRICHLOROETHENE**	0.32 J	2.7	ug/kg	SB-202-05, SB-201-10	16/266	0.29 - 25000	2.7	**0.26**	**0.72**	**Yes**	ASL
	75-69-4	TRICHLOROFLUOROMETHANE	0.74 J	29	ug/kg	SB-520-0810	5/266	0.24 - 41000	29	NA	830	No	NTX
	75-01-4	**VINYL CHLORIDE**	0.48 J	3.5 J	ug/kg	SB-515-0406	3/266	0.27 - 46000	3.5	**0.12**	**0.0056**	**Yes**	ASL
	Semivolatile Organic Compounds												
	105-67-9	2,4-DIMETHYLPHENOL	68 J	68 J	ug/kg	SB-238-05	1/214	22 - 65000	68	6700	860	No	BSL
	65-85-0	BENZOIC ACID	43 J	136 J	ug/kg	SB-195-05	6/45	42.3 - 1200	136	NA	34000	No	BSL
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	22 J	190 J	ug/kg	SB-296-0910	17/214	21 - 62000	190	2900000	1100	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	36 J	36 J	ug/kg	D-SB-795-07	1/214	11 - 33000	36	NA	510	No	BSL
	86-74-8	**CARBAZOLE**	22 J	5690	ug/kg	SB-238-05	9/214	30 - 88000	5690	**470**	NA	**Yes**	ASL
	84-74-2	DI-N-BUTYL PHTHALATE	38 J	76 J	ug/kg	SB-66-10	3/214	17 - 49000	76	5000000	9200	No	BSL
	117-84-0	DI-N-OCTYL PHTHALATE	76 J	76 J	ug/kg	SB-63-05	1/214	30 - 88000	76	NA	NA	No	NTX
	132-64-9	**DIBENZOFURAN**	8.9 J	3980	ug/kg	SB-238-05	16/214	3.6 - 11000	3980	NA	**680**	**Yes**	ASL

Table 3-20

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Subsurface Soil (2-10 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Semivolatile Organic Compounds (continued)**												
	131-11-3	DIMETHYL PHTHALATE	62 J	310 J	ug/kg	SB-55-10	3/214	19 - 55000	310	NA	NA	No	NTX
	86-30-6	**N-NITROSODIPHENYLAMINE**	34 J	81 J	ug/kg	SB-238-05	2/213	23 - 69000	81	760	**75**	**Yes**	ASL
	108-95-2	PHENOL	140 J	1900	ug/kg	SB-81-05	11/214	30 - 88000	1900	67000	6300	No	BSL
	Polycyclic Aromatic Hydrocarbons												
	90-12-0	**1-METHYLNAPHTHALENE**	8.6	3420	ug/kg	SB-238-05	27/232	3.5 - 440	3420	NA	**12**	**Yes**	ASL
	91-57-6	**2-METHYLNAPHTHALENE**	7.9	6900	ug/kg	SB-238-05	43/401	3.5 - 11000	6900	**4400**	**750**	**Yes**	ASL
	83-32-9	**ACENAPHTHENE**	8.2	27000	ug/kg	E-SB-833-09	56/401	3.5 - 3900	27000	100000	**22000**	**Yes**	ASL
	208-96-8	ACENAPHTHYLENE	7.9	1000	ug/kg	G-SB-813-09	36/401	3.5 - 11000	1000	100000	22000 [9]	No	BSL
	120-12-7	ANTHRACENE	5.25	28000	ug/kg	E-SB-833-09	79/401	3.5 - 3900	28000	470000	360000	No	BSL
	--	**BAP EQUIVALENT-POSITIVE RESULTS[14]**	0.008	57089	ug/kg	G-SB-735A-5	797/1929	1.4 - 4200	57089	**120**	**3.5**	**Yes**	ASL
	--	**BAP EQUIVALENT-1/2 NONDETECT[14]**	1.2	57089	ug/kg	G-SB-735A-5	797/1929	1.4 - 4200	57089	**120**	**3.5**	**Yes**	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	1.4 J	44000	ug/kg	G-SB-735A-5	610/1467	1 - 3800	44000	**480**	**10**	**Yes**	ASL
	50-32-8	**BENZO(A)PYRENE**	2.6 J	37000	ug/kg	G-SB-735A-5	727/1928	1.4 - 4200	37000	**120**	**3.5**	**Yes**	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	1.6 J	55000	ug/kg	G-SB-735A-5	648/1459	1.3 - 3800	55000	**1500**	**35**	**Yes**	ASL
	191-24-2	BENZO(G,H,I)PERYLENE	6.375	9200 J	ug/kg	G-SB-806-09	100/401	3.5 - 11000	9200	680000	120000 [10]	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	2.25	25000	ug/kg	G-SB-735A-5	472/1459	1.4 - 11000	25000	**15000**	**350**	**Yes**	ASL
	218-01-9	**CHRYSENE**	1.4 J	42000	ug/kg	E-SB-833-09	625/1467	0.97 - 3800	42000	48000	**1100**	**Yes**	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	3.05	7800	ug/kg	G-SB-735A-5	267/1467	1.4 - 11000	7800	**460**	**11**	**Yes**	ASL
	206-44-0	FLUORANTHENE	8.4	81000	ug/kg	E-SB-833-09	146/401	3.5 - 3800	81000	6300000	160000	No	BSL
	86-73-7	FLUORENE	8.5	6330	ug/kg	SB-238-05	53/401	3.5 - 11000	6330	140000	27000	No	BSL
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	0.96 J	21000 J	ug/kg	G-SB-714-6, G-SB-735A-5	543/1467	0.41 - 11000	21000	**4200**	**120**	**Yes**	ASL
	91-20-3	**NAPHTHALENE**	8.4	31000	ug/kg	SB-238-05	62/401	3.5 - 11000	31000	**150**	**0.47**	**Yes**	ASL
	85-01-8	PHENANTHRENE	5.575	88000	ug/kg	E-SB-833-09	109/401	3.5 - 3900	88000	470000	120,000 [10]	No	BSL
	129-00-0	PYRENE	7.8	60000	ug/kg	E-SB-833-09	149/401	3.5 - 3800	60000	680000	120,000	No	BSL
	Pesticides/Polychlorinated Biphenyls												
	72-55-9	4,4'-DDE	34 J	34 J	ug/kg	D-SB-790-05	1/78	0.43 - 46	34	35000	47	No	BSL
	11097-69-1	**AROCLOR-1254**	27	9800	ug/kg	SB-555-4	3/550	15 - 1100000	9800	**1100**	**8.8**	**Yes**	ASL
	11096-82-5	**AROCLOR-1260**	8.1 J	24000000	ug/kg	E-SB-833-09	100/550	4.8 - 360	24000000	NA	**24**	**Yes**	ASL
	319-85-7	**BETA-BHC**	1.3 J	1.3 J	ug/kg	D-SB-792-03	1/78	1.2 - 66	1.3	3.1	**0.22**	**Yes**	ASL
	1336-36-3	**TOTAL AROCLOR**	8	24000000	ug/kg	E-SB-833-09	102/550	0 - 0	24000000	**410 [11]**	NA	**Yes**	ASL
	Metals												
	7440-36-0	**ANTIMONY**	0.056 L	2 L	mg/kg	SB-236-05	59/207	0.0056 - 3.6	2	13	**0.66**	**Yes**	ASL
	7440-38-2	**ARSENIC**	0.22 L	14.3	mg/kg	D-SB-786-07	202/233	0.51 - 5.3	14.3	**0.026**	**0.0013**	**Yes**	ASL
	7440-39-3	BARIUM	1.6	103	mg/kg	SB-236-05	155/155	--	103	6000	300	No	BSL
	7440-41-7	BERYLLIUM	0.076	6.6 J	mg/kg	D-SB-795-03	160/226	0.015 - 3.6	6.6	1200	58	No	BSL
	7440-43-9	CADMIUM	0.016	1.1	mg/kg	D-SB-788-03	67/226	0.0037 - 3.6	1.1	27	1.4	No	BSL
	7440-47-3	CHROMIUM	1.5 J	120 J	mg/kg	SB-60-10	215/225	2.6 - 14	120	2000000000 [12]	99,000,000 [12]	No	BSL
	7440-48-4	**COBALT**	0.18	68.1	mg/kg	SB-197-05	153/155	3.2 - 11	68.1	NA	**0.49**	**Yes**	ASL
	7440-50-8	**COPPER**	1 J	110 J	mg/kg	D-SB-784-07	217/226	2.3 - 3.4	110	11000	**51**	**Yes**	ASL
	7439-89-6	**IRON**	1290	72900 J	mg/kg	D-SB-787-09	102/102	--	72900	NA	**640**	**Yes**	ASL
	7439-92-1	**LEAD**	0.71 J	1010	mg/kg	D-SB-783-03	211/226	1 - 4	1010	NA	**14 [13]**	**Yes**	ASL
	7439-96-5	**MANGANESE**	2.2 L	326 J	mg/kg	D-SB-794-03	102/102	--	326	950	**57**	**Yes**	ASL
	7439-97-6	MERCURY	0.007	3.3	mg/kg	SB-33-05	103/424	0.002 - 0.15	3.3	NA	NA	No	BSL
	7439-98-7	MOLYBDENUM	0.16 J	1.3 J	mg/kg	SB-504-0810	72/155	0.072 - 0.9	1.3	NA	3.7	No	BSL

Table 3-20

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Subsurface Soil (2-10 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Metals (continued)**												
	7440-02-0	**NICKEL**	0.76 J	150	mg/kg	SB-55-05	212/226	0.39 - 3.6	150	NA	**48**	**Yes**	ASL
	7782-49-2	**SELENIUM**	0.2	11 L	mg/kg	SB-31-05	100/218	0.18 - 11	11	19	**1.0**	**Yes**	ASL
	7440-22-4	**SILVER**	0.03	2.3	mg/kg	SB-236-05	56/174	0.0079 - 3.1	2.3	31	**1.6**	**Yes**	ASL
	7440-28-0	THALLIUM	0.018 J	0.21 K	mg/kg	SB-504-0810	46/226	0.0052 - 5	0.21	3.6	NA	No	BSL
	7440-62-2	VANADIUM	2.1	90.5	mg/kg	SB-249-10	155/155	--	90.5	730	180	No	BSL
	7440-66-6	ZINC	2.8	270	mg/kg	SB-55-05	173/226	5.2 - 60	270	14000	680	No	BSL
	Petroleum Hydrocarbons												
	--	DIESEL RANGE ORGANICS	840 J	28000000	ug/kg	E-SB-833-09	87/192	2400 - 29000	28000000	NA	NA	No	NTX
	--	GASOLINE RANGE ORGANICS	34 J	980000	ug/kg	G-SB-728-4	44/220	51 - 15200	980000	NA	NA	No	NTX
	--	TPH (C09-C36)	2900 J	200000	ug/kg	SB-285-0405	11/24	2200 - 8700	200000	NA	NA	No	NTX
	--	TPH (C10-C32)	640 J	48000	ug/kg	SB-502-0406	10/39	990 - 130000	48,000	NA	NA	No	NTX
	Miscellaneous Parameters												
	18540-29-9	**HEXAVALENT CHROMIUM**	0.33 J	1.1	mg/kg	D-SB-788-03	31/76	0.3 - 0.4	1.1	42	**0.00083**	**Yes**	ASL
	22967-92-6	MERCURY (METHYL)	0.31 K	1.21 J	ug/kg	SB-236-05	3/3	--	1.21	NA	NA	No	NTX
	--	PERCENT SOLIDS	62.5	95.9	%	SB-395-0203	608/608	--	95.9	NA	NA	No	NTX
	--	PH	4.9	7.7	S.U.	SB-236-05	5/5	--	7.7	NA	NA	No	NTX
	--	TOTAL ORGANIC CARBON	690 J	1350	mg/kg	MRC-MW08[0809]	2/3	238	1350	NA	NA	No	NTX
	--	TOTAL SOLIDS	70	88	%	SB-297-0405	24/24	--	88	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
7 - The value is for xylenes.
8 - The value is for xylene, mixture.
9 - The value for acenaphthene is used as a surrogate for acenaphthylene.
10 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
11 - The value is for PCB (total).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - See Section 3 for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All subsurface soil (2-10 feet) samples from all tax blocks (D, E, F, G, and H) were included. See tables 3-6 through 3-10 for sample lists.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria

Table 3-21

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Deep Subsurface Soil (Greater than 10 Feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Volatile Organic Compounds**													
	71-55-6	1,1,1-TRICHLOROETHANE	1.3 J	1.3 J	ug/kg	OW-6-30	1/67	0.45 - 19	1.3	16000000	870000 N	1200000 sat	No	BSL
	75-34-3	1,1-DICHLOROETHANE	1.3 J	1.6 J	ug/kg	OW-6-20	2/67	0.29 - 15	1.6	1600000	3300 C	120000 N	No	BSL
	75-35-4	1,1-DICHLOROETHENE	5 J	7.4	ug/kg	OW-6-30	2/67	0.41 - 16	7.4	390000	24,000 N	29,000 N	No	BSL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.16 J	3.2 J	ug/kg	D-SB-786-13	2/51	0.12 - 6.2	3.2	NA	NA	NA	No	NTX
	78-93-3	2-BUTANONE	1.3 J	27	ug/kg	MRC-MW95D-SO-214	9/67	1.1 - 120	27	4700000	2,800,000 N	24,000,000 sat	No	BSL
	67-64-1	ACETONE	7.8 J	230	ug/kg	D-SB-788-15	7/67	5.1 - 350	230	7000000	6100000 N	NA	No	BSL
	71-43-2	BENZENE	0.29 J	20 J	ug/kg	D-SB-786-13	5/67	0.18 - 6.2	20	12000	1,100 C	830 C	No	BSL
	74-87-3	CHLOROMETHANE	0.7 J	0.7 J	ug/kg	D-SB-785-13	1/67	0.33 - 13	0.7	NA	12,000 N	2100 C	No	BSL
	156-59-2	CIS-1,2-DICHLOROETHENE	0.87 J	4.1 J	ug/kg	OW-6-20	3/67	0.29 - 6.2	4.1	78000	16,000 N	NA	No	BSL
	100-41-4	ETHYLBENZENE	0.35 J	9.2 J	ug/kg	D-SB-786-13	3/67	0.21 - 6.2	9.2	780000	5,400 C	400,000 sat	No	BSL
	TTNUS054	M+P-XYLENES	12 J	20 J	ug/kg	D-SB-786-13	2/67	0.96 - 13	20	1600000 [8]	63,000 N[9]	70,000 N[9]	No	BSL
	75-09-2	METHYLENE CHLORIDE	8 J	77 J	ug/kg	D-SB-786-13	9/67	0.53 - 16	77	85000	11,000 C	13,000 C	No	BSL
	104-51-8	N-BUTYLBENZENE	0.35 J	0.35 J	ug/kg	MRC-MW95D-SO-214	1/67	0.18 - 7.1	0.35	NA	NA	NA	No	NTX
	91-20-3	NAPHTHALENE	47	530	ug/kg	D-SB-786-13	3/67	0.15 - 6.2	530	160000	3,600 C	17,000 N	No	BSL
	95-47-6	O-XYLENE	0.57 J	12 J	ug/kg	D-SB-786-13	4/67	0.28 - 6.2	12	1600000 [8]	380,000 N	NA	No	BSL
	100-42-5	STYRENE	0.16 J	0.16 J	ug/kg	D-SB-791-13	1/67	0.12 - 6.2	0.16	1600000	630,000 N	1500000 sat	No	BSL
	994-05-8	TERT-AMYL METHYL ETHER	0.96 J	0.96 J	ug/kg	D-SB-793-13	1/51	0.26 - 6.2	0.96	NA	NA	NA	No	NTX
	108-88-3	TOLUENE	0.28 J	31 J	ug/kg	D-SB-786-13	6/67	0.22 - 6.2	31	630000	500,000 N	650,000 sat	No	BSL
	1330-20-7	TOTAL XYLENES	1 J	32 J	ug/kg	D-SB-786-13	4/51	0.53 - 12	32	1600000 [8]	63,000 N	70000 N	No	BSL
	79-01-6	TRICHLOROETHENE	4 J	64	ug/kg	OW-6-30	4/67	0.33 - 8.7	64	1600	2,800 C	71 C	No	BSL
	75-69-4	TRICHLOROFLUOROMETHANE	0.35 J	0.35 J	ug/kg	D-SB-793-11	1/67	0.27 - 14	0.35	NA	79000 N	110,000 N	No	BSL
	Semivolatile Organic Compounds													
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	23 J	140	ug/kg	D-SB-790-13	6/62	21 - 4200	140	46000	35,000 C	NA	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	22 J	29 J	ug/kg	D-SB-789-13	3/62	11 - 4200	29	NA	260,000 C	NA	No	BSL
	108-95-2	PHENOL	520	980 J	ug/kg	SB-86-12	6/62	30 - 4200	980	2300000	1800000 N	NA	No	BSL
	Polycyclic Aromatic Hydrocarbons													
	90-12-0	1-METHYLNAPHTHALENE	7.9	190	ug/kg	D-SB-772-15	18/89	3.7 - 15	190	NA	22,000 C	NA	No	BSL
	91-57-6	2-METHYLNAPHTHALENE	8.5	390	ug/kg	D-SB-772-15	18/151	3.7 - 4200	390	31000	31,000 N	NA	No	BSL
	83-32-9	ACENAPHTHENE	10	900	ug/kg	D-SB-772-15	22/151	3.7 - 4200	900	470000	340,000 N	NA	No	BSL
	208-96-8	ACENAPHTHYLENE	8	2700	ug/kg	D-SB-778-13	31/151	3.7 - 4200	2,700	470000	340000 N[10]	NA	No	BSL
	120-12-7	ANTHRACENE	9.1	1600	ug/kg	D-SB-772-15	37/151	3.7 - 4200	1,600	2300000	1700000 N	NA	No	BSL
	CALC049	**BAP EQUIVALENT-POSITIVE RESULTS[18]**	0.5	35343	ug/kg	G-SB-761-11	257/513	1.5-440	35,343	**22**	**15 C**	NA	Yes	ASL
	CALC055	**BAP EQUIVALENT-1/2 NONDETECT[18]**	2.6	35343	ug/kg	G-SB-761-11	257/513	1.5-440	35,343	**22**	**15 C**	NA	Yes	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	1.9 J	30000	ug/kg	G-SB-761-11	238/513	1.1 - 4200	30,000	**220**	**150 C**	NA	Yes	ASL
	50-32-8	**BENZO(A)PYRENE**	5.15	24000	ug/kg	G-SB-761-11	242/513	1.5 - 440	24,000	**22**	**15 C**	NA	Yes	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	2.1 J	27000	ug/kg	G-SB-761-11	248/511	1.3 - 4200	27,000	**220**	**150 C**	NA	Yes	ASL
	TTNUS140	BENZO(B+K)FLUORANTHENE	74 J	74 J	ug/kg	SB-86-12	1/2	390-390	74	220 [16]	150 [16]	NA	No	BSL
	191-24-2	BENZO(G,H,I)PERYLENE	9	3800	ug/kg	D-SB-778-13	46/151	3.7 - 4200	3800	230000	170,000 N[11]	NA	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	6.8 J	11000	ug/kg	G-SB-761-11	204/511	1.6 - 4200	11,000	**2200**	**1,500 C**	NA	Yes	ASL
	218-01-9	**CHRYSENE**	2 J	33000	ug/kg	G-SB-761-11	237/513	1 - 440	33,000	**22000**	**15000 C**	NA	Yes	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	4.725	4300	ug/kg	G-SB-761-11	96/513	1.4 - 4200	4300	**22**	**15 C**	NA	Yes	ASL
	206-44-0	FLUORANTHENE	8.4	7100	ug/kg	D-SB-772-15	60/151	3.7 - 440	7,100	310000	230,000 N	NA	No	BSL
	86-73-7	FLUORENE	8.7	950	ug/kg	D-SB-772-15	22/151	3.7 - 4200	950	310000	230,000 N	NA	No	BSL
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	1.4 J	12000	ug/kg	G-SB-761-11	220/513	0.43 - 4200	12,000	**220**	**150 C**	NA	Yes	ASL
	91-20-3	NAPHTHALENE	10	990	ug/kg	D-SB-772-15	20/151	3.7 - 4200	990	160000	3600 C	17000 N	No	BSL
	85-01-8	PHENANTHRENE	8.3	5600	ug/kg	D-SB-772-15	42/151	3.7 - 4200	5,600	2300000	170,000 N[11]	NA	No	BSL
	129-00-0	PYRENE	12	5200	ug/kg	G-SB-813-15, D-SB-772-15	61/151	3.7 - 440	5,200	230000	170,000 N	NA	No	BSL

Table 3-21

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Deep Subsurface Soil (Greater than 10 Feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Pesticides/Polychlorinated Biphenyls**													
	11096-82-5	**AROCLOR-1260**	26 J	61000	ug/kg	E-SB-833-11	23/170	19 - 330	61000	**320**	**220 C**	NA	Yes	ASL
	Metals													
	7440-36-0	ANTIMONY	0.051 J	0.83 J	mg/kg	D-SB-792-13	27/59	0.027 - 2.9	0.83	3.1	3.1 N	NA	No	BSL
	7440-38-2	**ARSENIC**	0.19 L	8.2 L	mg/kg	D-SB-791-15	63/72	0.51 - 2	8.2	**0.43**	**0.39 C**	769 C	Yes	ASL
	7440-39-3	BARIUM	4.4 J	25.2	mg/kg	D-SB-788-11	51/51	--	25.2	1600	1500 N	70900 N	No	BSL
	7440-41-7	BERYLLIUM	0.3 J	10.5	mg/kg	D-SB-789-13	49/67	0.057 - 3.1	10.5	16	16 N	1,380 C	No	BSL
	7440-43-9	CADMIUM	0.023 J	0.12	mg/kg	OW-6-20, D-SB-785-13	16/67	0.0081 - 3.1	0.12	3.9	7 N	1840 C	No	BSL
	7440-47-3	CHROMIUM	2.1 J	56.1	mg/kg	D-SB-791-15	64/67	2.8 - 3	56.1	12000 [12]	12000 N[12]	276 C	No	BSL
	7440-48-4	**COBALT**	1.5	21.3	mg/kg	D-SB-789-13	51/51	--	21.3	NA	**2.3 N**	1,180 C	Yes	ASL
	7440-50-8	COPPER	3	56.2	mg/kg	D-SB-785-13	66/67	2.8	56.2	310	310 N	NA	No	BSL
	7439-89-6	**IRON**	462 J	134000	mg/kg	D-SB-792-13	50/50	--	134000	**5500**	**5500 N**	NA	Yes	ASL
	7439-92-1	LEAD	1.3	20 J	mg/kg	SB-58-15	59/67	2.6 - 3	20	400	400	NA	No	BSL
	7439-96-5	**MANGANESE**	1.6	341	mg/kg	D-SB-789-13	50/50	--	341	**160**	**180 N**	7090 N	Yes	ASL
	7439-97-6	MERCURY	0.059 J	0.059 J	mg/kg	D-SB-785-13	1/67	0.002 - 0.12	0.059	2.3 [13]	2.3 N[14]	NA	No	BSL
	7439-98-7	MOLYBDENUM	0.078 J	1.5	mg/kg	D-SB-791-15, D-SB-792-13	38/51	0.072 - 0.6	1.5	NA	39 N	NA	No	BSL
	7440-02-0	NICKEL	2.5 J	54.1	mg/kg	D-SB-789-13	64/67	2.6 - 3	54.1	160	150 N	NA	No	BSL
	7782-49-2	SELENIUM	0.22 L	5	mg/kg	SB-248-15	49/67	0.19 - 3.1	5	39	39 N	NA	No	BSL
	7440-22-4	SILVER	0.026 J	0.1 K	mg/kg	SB-503-1012	10/52	0.018 - 2.8	0.1	39	39 N	NA	No	BSL
	7440-28-0	THALLIUM	0.031	0.15 J	mg/kg	D-SB-788-11	26/67	0.041 - 2.4	0.15	0.55	NA	NA	No	BSL
	7440-62-2	**VANADIUM**	1.6	111	mg/kg	D-SB-792-13	51/51	--	111	**7.8**	**39 N[15]**	NA	Yes	ASL
	7440-66-6	ZINC	3.4 J	114	mg/kg	D-SB-785-13	55/67	26 - 30	114	2300	2,300 N	NA	No	BSL
	Petroleum Hydrocarbons													
	TTNUS004	DIESEL RANGE ORGANICS	3400 J	17,000	ug/kg	D-SB-785-13	17/62	3100 - 13000	17,000	230000	NA	NA	No	BSL
	TTNUS005	GASOLINE RANGE ORGANICS	79 J	79 J	ug/kg	D-SB-786-13	1/62	52 - 130	79	230000	NA	NA	No	BSL
	TTNUS827	TPH (C10-C32)	1100 J	1100 J	ug/kg	SB-503-1012	1/1	--	1100	NA	28,400,000 N[17]	NA	No	BSL
	Miscellaneous Parameters													
	18540-29-9	**HEXAVALENT CHROMIUM**	0.31 J	0.88 J	mg/kg	D-SB-785-11	19/46	0.3 - 0.35	0.88	23	**0.29 C**	276 C	Yes	ASL
	TTNUS291	PERCENT SOLIDS	80.5	89	%	SB-555A-12	9/9	--	89	NA	NA	NA	No	NTX
	TTNUS003	TOTAL ORGANIC CARBON	319 J	1320	mg/kg	MRC-MW12[1213]	2/2	--	1,320	NA	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - USEPA Soil Screening Levels. EPA Internet Site at http://rais.ornl.gov/epa/ssl1.shtml.
7 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
8 - The value is for xylenes.
9 - The value is for xylene, mixture.
10 - The value for acenaphthene is used as a surrogate for acenaphthylene.
11 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
12 - The value is for trivalent chromium.
13 - The value is for mercury (inorganic/mercuric dichloride).
14 - The value is for mercuric chloride.
15 - The value is for vanadium and compounds.
16 - The value for benzo(b)fluoranthene is used as a surrogate for benzo(b+k)fluoranthene.
17 - The value for total petroleum hydrocarbons (aliphatic low) is used.
18 - See Section 3 for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All deep subsurface soil (greater than 10 feet) samples from all tax blocks (D, E, F, G, and H) were included. See Tables 3-11 through 3-15 for sample lists.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria
NUT = Essential nutrient

Table 3-22

Chemicals Retained as Global Chemicals of Potential Concern - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Surface Soil (0-2 feet)			Subsurface Soil (2-10 feet)		
	Direct Contact	Soil to Air	Soil to Groundwater	Direct Contact	Soil to Air	Soil to Groundwater
Volatile Organic Compounds						
1,2,3-Trichlorobenzene	X		X	X		X
1,2,4-Trichlorobenzene	X	X	X	X	X	X
1,2,4-Trimethylbenzene			X			X
1,1-Dichloroethane			X			
1,2-Dichlorobenzene			X			X
1,2-Dichloroethane						X
1,3-Dichlorobenzene			X	X		X
1,4-Dichlorobenzene	X		X	X		X
Acetone						X
Benzene			X			X
Carbon Tetrachloride						X
Chlorobenzene						X
Ethylbenzene			X			X
m+p-Xylenes						X
Methylene Chloride			X			X
Naphthalene			X	X	X	X
Tetrachloroethene			X			X
Total Xylenes						X
Trichloroethene			X			X
Vinyl Chloride						X
Semivolatile Organic Compounds						
1-Methylnaphthalene			X			X
2-Methylnaphthalene			X			X
Acenaphthene						X
Benzo(a)pyrene Equivalents[(1)]	X		X	X		X
Benzo(a)anthracene	X		X	X		X
Benzo(a)pyrene	X		X	X		X
Benzo(b)fluoranthene	X		X	X		X
Benzo(b+k)fluoranthene	X		X			
Benzo(k)fluoranthene	X		X	X		X
Carbazole			X			X
Chrysene	X		X	X		X
Dibenzo(a,h)anthracene	X		X	X		X
Dibenzofuran			X			X
Indeno(1,2,3-cd)pyrene	X		X	X		X

Table 3-22

Chemicals Retained as Global Chemicals of Potential Concern - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Surface Soil (0-2 feet)			Subsurface Soil (2-10 feet)		
	Direct Contact	Soil to Air	Soil to Groundwater	Direct Contact	Soil to Air	Soil to Groundwater
N-nitrosodiphenylamine						X
Naphthalene			X	X	X	X
Pesticides/PCBs						
Aroclor-1242			X			
Aroclor-1254	X		X	X		X
Aroclor-1260	X		X	X		X
Beta-BHC			X			X
Total Aroclor	X		X	X		X
Inorganics						
Antimony	X		X			X
Arsenic	X		X	X		X
Cadmium	X		X			
Cobalt	X		X	X		X
Copper			X			X
Iron	X		X	X		X
Lead	X		X	X		X
Manganese	X		X	X		X
Mercury	X			X		
Molybdenum	X		X			
Nickel	X		X			X
Selenium			X			X
Silver			X			X
Vanadium	X			X		
Petroleum Hydrocarbons						
Diesel Range Organics	X			X		
Gasoline Range Organics	X			X		
Miscellaneous Parameters						
Hexavalent Chromium	X		X	X		X

Notes
X - Chemical was retained as a global COPC.
1 - See Section 3 for benzo(a)pyrene equivalents calculation methodology.

Table 3-23

Selection of Exposure Pathways - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
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Scenario Timeframe	Medium	Exposure Medium	Exposure Point	Receptor Population	Receptor Age	Exposure Route	Type of Analysis	Rationale for Selection or Exclusion of Exposure Pathway
Current/Future	Surface Soil	Surface Soil	Tax Blocks	Construction Workers	Adult	Ingestion Dermal	Quant Quant	Construction workers may have contact with surface soil during excavation activities.
				Industrial Worker	Adult	Ingestion Dermal	Quant Quant	Industrial workers may contact surface soil during normal work activities.
				Commercial Receptors	Child	Ingestion Dermal	Quant Quant	Child commercial receptors may contact surface soil while at the site.
					Adolescent	Ingestion Dermal	Quant Quant	Adolescent commercial receptors may contact surface soil while at the site.
					Adult	Ingestion Dermal	Quant Quant	Adult commercial receptors may contact surface soil while at the site.
				Recreational Users	Child	Ingestion Dermal	Quant Quant	Child recreational users may contact surface soil while at the site.
					Adolescent	Ingestion Dermal	Quant Quant	Adolescent recreational users may contact surface soil while at the site.
					Adult	Ingestion Dermal	Quant Quant	Adult recreational users may contact surface soil while at the site.
		Air	Tax Blocks	Construction Workers	Adult	Inhalation	Quant	Construction workers may be exposed to fugitive dust and volatile emissions during construction activities.
				Industrial Worker	Adult	Inhalation	Quant	Industrial workers may be exposed to fugitive dust and volatile emissions during work activities.
				Commercial Receptors	Child	Inhalation	Quant	Child commercial receptors may be exposed to fugitive dust and volatile emissions while at the site.
					Adolescent	Inhalation	Quant	Adolescent commercial receptors may be exposed to fugitive dust and volatile emissions while at the site.
					Adult	Inhalation	Quant	Adult commercial receptors may be exposed to fugitive dust and volatile emissions while at the site.
				Recreational Users	Child	Inhalation	Quant	Child recreational users may be exposed to fugitive dust and volatile emissions while at the site.
					Adolescent	Inhalation	Quant	Adolescent recreational users may be exposed to fugitive dust and volatile emissions while at the site.
					Adult	Inhalation	Quant	Adult recreational users may be exposed to fugitive dust and volatile emissions while at the site.
	Subsurface Soil	Subsurface Soil	Tax Blocks	Construction Workers	Adult	Ingestion Dermal	Quant Quant	Construction workers may have contact with subsurface soil during excavation activities.
				Industrial Worker	Adult	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by industrial workers is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
				commercial Land use Users	Child	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by child commercial receptors is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by adolescent commercial land use users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by adult commercial land use users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
				Recreational Users	Child	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by child recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by adolescent recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by adult recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.

Table 3-23

Selection of Exposure Pathways - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
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Scenario Timeframe	Medium	Exposure Medium	Exposure Point	Receptor Population	Receptor Age	Exposure Route	Type of Analysis	Rationale for Selection or Exclusion of Exposure Pathway
Current/Future	Subsurface Soil	Air	Tax Blocks	Construction Workers	Adult	Inhalation	Quant	Construction workers may be exposed to fugitive dust and volatile emissions during construction activities.
				Industrial Worker	Adult	Inhalation	Quant	Although exposure to subsurface soil by industrial workers is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
				Commercial Receptors	Child	Inhalation	Quant	Although exposure to subsurface soil by child commercial receptors is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Inhalation	Quant	Although exposure to subsurface soil by adolescent commercial receptors is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Inhalation	Quant	Although exposure to subsurface soil by adult commercial receptors is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
				Recreational Users	Child	Inhalation	Quant	Although exposure to subsurface soil by child recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Inhalation	Quant	Although exposure to subsurface soil by adolescent recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Inhalation	Quant	Although exposure to subsurface soil by adult recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
Future	Surface Soil	Surface Soil	Tax Blocks	Residents	Child	Ingestion Dermal	Quant Quant	Although a future residential scenario is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Ingestion Dermal	Quant Quant	
					Adult	Ingestion Dermal	Quant Quant	
		Air	Tax Blocks	Residents	Child	Inhalation	Quant	Although a future residential scenario is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Inhalation	Quant	
					Adult	Inhalation	Quant	
	Subsurface Soil	Subsurface Soil	Tax Blocks	Residents	Child	Ingestion Dermal	Quant Quant	Although a future residential scenario is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Ingestion Dermal	Quant Quant	
					Adult	Ingestion Dermal	Quant Quant	
		Air	Tax Blocks	Residents	Child	Inhalation	Quant	Although a future residential scenario is considered unlikely at the site. this scenario is included to aid in future risk management decisions.
					Adolescent	Inhalation	Quant	
					Adult	Inhalation	Quant	

Notes:
Quant - Quantitative.

Table 3-24

Receptors and Exposure Routes for Quantitative Evaluation - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Receptors	Exposure Routes
Construction Workers (current/future land use)	• Soil incidental ingestion (surface/subsurface) • Soil dermal contact (surface/subsurface) • Inhalation of air/dust/emissions
Industrial Worker (current/future land use)	• Soil ingestion (surface/subsurface[1]) • Soil dermal contact (surface/subsurface[1]) • Inhalation of air/dust/emissions (surface/subsurface[1])
Commercial Receptors (child, adolescent, and adults) (current/future land use)	• Soil ingestion (surface/subsurface[1]) • Soil dermal contact (surface/subsurface[1]) • Inhalation of air/dust/emissions (surface/subsurface[1])
Recreational Users (child, adolescent, and adults) (current/future land use)	• Soil ingestion (surface/subsurface[1]) • Soil dermal contact (surface/subsurface[1]) • Inhalation of air/dust/emissions (surface/subsurface[1])
Hypothetical Residents (child, adolescent, and adults) (future land use)	• Soil ingestion (surface/subsurface[1]) • Soil dermal contact (surface/subsurface[1]) • Inhalation of air/dust/emissions (surface/subsurface[1])

1 – These receptors are not expected to be exposed to subsurface soil, but exposure to subsurface is evaluated to aid in risk management decisions.

Table 3-25

Exposure Point Concentrations - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical	Block D		Block E		Block F		Block G		Block H	
	Surface Soil (mg/kg)	Subsurface Soil (mg/kg)	Surface Soil (mg/kg)	Subsurface Soil (mg/kg)	Surface Soil (mg/kg)	Subsurface Soil (mg/kg)	Surface Soil (mg/kg)	Subsurface Soil (mg/kg)	Surface Soil (mg/kg)	Subsurface Soil (mg/kg)
Volatile Organic Compounds										
1,2,3-TRICHLOROBENZENE	NA	NA	16.3	165	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	77.7	724	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	4.2	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	0.23	10.4	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	4(1)	NA	0.025	NA	159(1)	NA	0.063	NA	0.025
Polycyclic Aromatic Hydrocarbons										
BENZO(A)PYRENE EQUIVALENTS(4)	3.8	0.65	1.5	1.7	6.1	0.22	3.7	1.3	11.8	0.25
NAPHTHALENE	NA	0.068	NA	0.072	NA	31(1)	NA	0.037	NA	0.15
Pesticides/Polychlorinated Biphenyls										
AROCLOR-1254	NA	NA	36(1)	9.8(1)	0.096(1)	NA	0.012(1)	NA	NA	NA
AROCLOR-1260	0.02(1)	0.24(1)	108	709	0.16	0.017	0.26	0.014(1)	NA	NA
Metals										
ANTIMONY	0.48	NA	0.37	NA	1.4	NA	1.7	NA	0.82	NA
ARSENIC	3.5	4.6	2.2	1.5	3.1	2.4	7.9	3.6	3.5	3.6
CADMIUM	0.15	NA	2.7	NA	1.2	NA	14(1)	NA	0.2	NA
COBALT	10.7	11.7	11.6	4.0	7	18.7	41.2	31.0	9.3	12.9
IRON	16300	30900	17200	17100	NA	NA	NA	17200(1)	NA	NA
LEAD(2)	20.6	22.9	21.6	3.6	58.9	10.4	68.3	8.4	6.8	7.2
MANGANESE	89.9	67.6	174	93.9	NA	NA	NA	123(1)	NA	NA
MERCURY	0.25	0.18	0.12	0.29(1)	0.87	0.27	1.8	0.014	0.19	0.031
MOLYBDENUM	0.45	NA	0.83	NA	63(1)	NA	NA	NA	0.45	NA
NICKEL	14.6	NA	10.9	NA	12.4	NA	161	NA	10.9	NA
VANADIUM	25.6	42.2	24.0	13.8	35	39.9	31.5	46.3	27.2	38.1
Petroleum Hydrocarbons										
DIESEL RANGE ORGANICS	550	40.3	2340	2010	91.8	522	77.4	21.7	242(1)	130
GASOLINE RANGE ORGANICS	0.81	0.25(1)	0.48	81.1	1.2(1)	21.2(1)	131	131	12(1)	2.6
Miscellaneous Parameters										
HEXAVALENT CHROMIUM(3)	0.87	1.4	1.3	0.49	2.7	0.98	1.3	1.1	1.1	1.8

Notes:
EPCs are the 95% UCLs recommended by ProUCL 4.00.05 unless otherwise noted.
NA - Not applicable, chemical is not a COPC for this medium.
RAGS Part D tables for the EPCs are included in Appendix D.
(1) There are less than three detected concentrations or less than five samples - reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) See Section 3 for benzo(a)pyrene equivalents calculation methodology.

Acronym
COPC = Chemical of Potential Concern
EPC = Exposure Point Concentration
UCL = Upper Confidence Limit

Table 3-26

Summary of Exposure Input Parameters for Reasonable Maximum Exposure (RME) - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Parameter	Construction Worker	Industrial Worker	Commercial Receptors			Recreational Users			Future On-Property Resident		
			Child	Adolescent	Adult	Child	Adolescent	Adult	Child	Adolescent	Adult
All Exposures											
C_{soil} (mg/kg)	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]	Maximum or 95% UCL[1]
ED (years)	1[2]	25[3]	6[4]	12[4]	25[4]	6[5]	12[5]	12[5]	6[4]	12[4]	12[4]
BW (kg)	70[6]	70[6]	15[4]	40[4]	70[4]	15[5]	40[5]	70[5]	15[6]	40[6]	70[6]
AT_n (days)	ED x 365[6]	ED x 365[6]	ED x 365[6]	ED x 365[6]	ED x 365[6]	ED x 365[6]	ED x 365[6]	ED x 365[6]	ED x 365[6]	ED x 365[6]	ED x 365[6]
AT_c (days)	25550[6]	25550[6]	25550[6]	25550[6]	25550[6]	25550[6]	25550[6]	25550[6]	25550[6]	25550[6]	25550[6]
Incidental Ingestion/Dermal Contact with Soil											
IR (mg/day)	480[4]	50[4]	200[4]	100[4]	50[4]	200[5]	100[5]	100[5]	200[7]	100[7]	100[7]
EF-Soil (days/year)	250[2]	250[3]	132[4]	132[4]	250[4]	250[4][8]	250[4][8]	250[4][8]	350[9]	350[9]	350[9]
FI (unitless)	1[2]	1[3]	1[4]	1[4]	1[4]	1[5]	1[5]	1[5]	1[7]	1[7]	1[7]
SA (cm^2)	3280[4]	3300[9]	2350[4]	4320[4]	3300[4]	2800[5]	4320[5]	5700[5]	2800[9]	4320[4]	5700[9]
AF (mg/cm^2-event)	0.3[4]	0.2[9]	0.2[4]	0.2[4]	0.2[4]	0.2[5]	0.07[5]	0.07[5]	0.2[9]	0.07[9]	0.07[9]
EV (events/day)	1[9]	1[9]	1[4]	1[4]	1[4]	1[9]	1[9]	1[9]	1[9]	1[9]	1[9]
ABS (unitless)	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific
CF (kg/mg)	1E-06	1E-06	1E-06	1E-06	1E-06	1E-06	1E-06	1E-06	1E-06	1E-06	1E-06
Inhalation Fugitive Dust/Volatile Emissions from Soil											
C_{air} (mg/m^3)	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated	Calculated
ET (hours/day)	8[2]	8[2]	4[4]	4[4]	8[4]	8[8]	8[8]	8[8]	24[7]	24[7]	24[7]
PEF (m^3/kg)	1.43E+06[10]	3.23E+09[10]	3.23E+09[10]	3.23E+09[10]	3.23E+09[10]	3.23E+09[10]	3.23E+09[10]	3.23E+09[10]	3.23E+09[10]	3.23E+09[10]	3.23E+09[10]

Notes:

ABS Absorption factor
AF Soil-to-skin adherence factor
AT_c Averaging time for carcinogenic effects
AT_n Averaging time for noncarcinogenic effects
BW Body weight
CF Conversion factor
$C_{soil/air}$ Exposure concentration for soil/sediment/groundwater/air
ED Exposure duration
EF Exposure frequency
ET Exposure time
EV Event frequency
FI Fraction ingested from contaminated source
IR Ingestion rate
PEF Particulate Emission Factor
SA Skin surface area available for contact
VF Volatization Factor

1 - USEPA, 2002: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24USEPA, 2002: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 92
2 - Professional Judgment (see text).
3 - USEPA, 2002: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.
4 - MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.
5 - Assumed same as resident.
6 - USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A.
7 - USEPA, 1991: Risk Assessment Guidance for Superfund - Supplemental Guidance- Standard Default Exposure Factors Interim Final.
8 - Recreational users' exposure frequency and time on site are assumed at 250 days per year and 8 hours per day.
9 - USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.
10 - USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Table 3-27

Dermal Absorption Fraction - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical of Potential Concern	Dermal Absorption Fraction
Volatile Organic Compounds	
1,2,3-Trichlorobenzene	0.03
1,2,4-Trichlorobenzene	0.03
1,3-Dichlorobenzene	0.03
1,4-Dichlorobenzene	0.03
Naphthalene	0.13
Polycyclic Aromatic Hydrocarbons	
Benzo(a)pyrene Equivalents(1)	0.13
Benzo(a)anthracene	0.13
Benzo(a)pyrene	0.13
Benzo(b)fluoranthene	0.13
Benzo(k)fluoranthene	0.13
Chrysene	0.13
Dibenzo(a,h)anthracene	0.13
Indeno(1,2,3-cd)pyrene	0.13
Naphthalene	0.13
Pesticides/PCBs	
Aroclor-1254	0.14
Aroclor-1260	0.14
Inorganics	
Antimony	0.01
Arsenic	0.03
Cadmium	0.001
Cobalt	0.01
Iron	0.01
Manganese	0.01
Lead	NA
Mercury	0.01
Molybdenum	0.01
Nickel	0.01
Vanadium	0.01
Petroleum Hydrocarbons	
Diesel Range Organics	NA
Gasoline Range Organics	NA
Miscellaneous Parameters	
Hexavalent Chromium	0.01

Notes:
All values from EPA's Risk Assessment Guidance for Superfund Volume 1: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment) Final, July 2004.

1 - See Section 3 for benzo(a)pyrene equivalents calculation methodology.

NA = Not available.

Table 3-28

Chemical Properties for Volatilization from Soil to Outdoor Air Models - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical	Organic Carbon Partition Coefficient (cm^3/g)	Air Diffusivity (cm^2/sec)	Water Diffusivity (cm^2/sec)	Solubility Limit (mg/L)	Henry's Law Constant (Dimensionless)
1,2,4-Trichlorobenzene	1.36E+03	4.00E-02	8.40E-06	4.90E+01	5.80E-02
1,2,3-Trichlorobenzene	1.38E+03	4.00E-02	8.40E-06	1.80E+01	5.13E-02
1,3-Dichlorobenzene	7.21E+02	NV	NV	1.33E+02	1.27E-01
1,4-Dichlorobenzene	3.75E+02	5.50E-02	8.70E-06	8.13E+01	9.90E-02
Naphthalene	1.54E+03	6.00E-02	8.40E-06	3.10E+01	1.80E-02

Source:
USEPA 2010: USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010.
NV = No value.

Table 3-29

Input Parameters for Calculation of the Volatilization from Soil to Outdoor Air Models - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Definition	Value	Reference
Q/C	Inverse of mean concentration at center of source (g/m^2-s per kg/m^3).	Receptor specific(1)	USEPA, 20010a
T	Exposure interval (seconds).	Receptor specific(2)	USEPA, 2002
pb	Dry soil bulk density (g/cm^3).	1.5	USEPA, 2002
ps	Soil particle density (g/cm^3).	2.65	USEPA, 2002
θw	Water-filled soil porosity (L_{pore}/L_{soil}).	0.15	USEPA, 2002
n	Total soil porosity (L_{pore}/L_{soil}).	0.434	USEPA, 2002
Di	Diffusivity in air (cm^2/sec).	Chemical specific(3)	USEPA, 2010b
H'	Dimensionless Henry's Law Constant.	Chemical specific(3)	USEPA, 2010b
S	Solubility limit (mg/L)	Chemical specific(3)	USEPA, 2010b
Dw	Diffusivity in water (cm^2/sec).	Chemical specific(3)	USEPA, 2010b
Koc	Soil organic carbon partition coefficient (cm^3/g).	Chemical specific(3)	USEPA, 2010b
foc	Fraction organic carbon in soil (g/g).	0.006	USEPA, 2002

Notes:
1 - Value is 14.31 for construction workers and 87.36898 for all other receptors evaluated.
2 - Value is 3.2E+07 for construction workers and 9.5E+08 for all other receptors evaluated.
3 - Chemical-specific values are presented in Table 3-28.
USEPA 2002: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.
USEPA, 2010a: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm.
Site-specific values for Philadelphia, Pennsylvania.
USEPA 2010b: USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010.

Table 3-30

Non-Cancer Toxicity Data -- Oral/Dermal
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical of Potential Concern	Chronic/ Subchronic	Oral RfD		Oral Absorption Efficiency for Dermal[1]	Absorbed RfD for Dermal[2]		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfD:Target Organ(s)	
		Value	Units		Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Volatile Organic Compounds										
1,2,3-Trichlorobenzene	Subchronic	8.00E-03	mg/kg/day	1	8.0E-03	mg/kg/day	Body Weight	1000/1	PPRTV	9/11/2009
	Chronic	8.0E-04	mg/kg/day	1	8.0E-04	mg/kg/day	Adrenals	NA	PPRTV	9/11/2009
1,2,4-Trichlorobenzene	Subchronic	9.0E-02	mg/kg/day	1	9.0E-02	mg/kg/day	Liver	100/1	PPRTV	6/16/2009
	Chronic	1.0E-02	mg/kg/day	1	1.0E-02	mg/kg/day	Adrenals	1000/1	IRIS	04/08/2011
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	Chronic	7.0E-02	mg/kg/day	1	7.0E-02	mg/kg/day	Liver	NA	ATSDR	07/2006
Polycyclic Aromatic Hydrocarbons										
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	Chronic	2.0E-02	mg/kg/day	1	2.0E-02	mg/kg/day	Body Weight	3000/1	IRIS	04/08/2011
Polychlorinated Biphenyls										
Aroclor-1254	Chronic	2.0E-05	mg/kg/day	1	2.0E-05	mg/kg/day	Autoimmune	300/1	IRIS	04/08/2011
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals										
Antimony	Subchronic	4.0E-04	mg/kg/day	0.15	6.0E-05	mg/kg/day	Blood	1000/1	PPRTV	7/29/2008
	Chronic	4.0E-04	mg/kg/day	0.15	6.0E-05	mg/kg/day	Blood	1000/1	IRIS	04/08/2011
Arsenic	Chronic	3.0E-04	mg/kg/day	1	3.0E-04	mg/kg/day	Skin, CVS	3/1	IRIS	04/08/2011
Cadmium[3]	Chronic	1.0E-03	mg/kg/day	0.03	2.5E-05	mg/kg/day	Kidney	10/1	IRIS	04/08/2011
Cobalt	Subchronic	3.0E-03	mg/kg/day	1	3.0E-03	mg/kg/day	Thyroid	300/1	PPRTV	8/25/208
	Chronic	3.0E-04	mg/kg/day	1	3.0E-04	mg/kg/day	Blood	NA	PPRTV	8/25/2008
Iron	Subchronic	7.0E-01	mg/kg/day	1	7.0E-01	mg/kg/day	GS	1.5	PPRTV	9/11/2006
	Chronic	7.0E-01	mg/kg/day	1	7.0E-01	mg/kg/day	GS	1.5	PPRTV	9/11/2006
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese[4]	Chronic	1.4E-01	mg/kg/day	1.00	1.4E-01	mg/kg/day	CNS	1	IRIS	04/08/2011
Mercury[5]	Chronic	3.0E-04	mg/kg/day	0.07	2.1E-05	mg/kg/day	Autoimmune	1000/1	IRIS	04/08/2011
Molybdenum	Chronic	5.0E-03	mg/kg/day	1	5.0E-03	mg/kg/day	Gout	30/1	IRIS	04/08/2011
Nickel	Chronic	2.0E-02	mg/kg/day	0.04	8.0E-04	mg/kg/day	Body Weight	300/1	IRIS	04/08/2011
Vanadium	Subchronic	1.0E-02	mg/kg/day	1	1.0E-02	mg/kg/day	Kidney	10	ATSDR	9/2009
	Chronic	5.0E-03	mg/kg/day	1	5.0E-03	mg/kg/day	Kidney	300	RSL	11/2010
Petroleum Hydrocarbons										
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
Hexavalent Chromium	Chronic	3.0E-03	mg/kg/day	0.025	7.5E-05	mg/kg/day	None Reported	300/3	IRIS	04/08/2011

Table 3-30

Non-Cancer Toxicity Data -- Oral/Dermal
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - U.S. EPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Interim. EPA/540/R/99/005.
2 - Adjusted dermal RfD = Oral RfD x Oral Absorption Efficiency for Dermal.
3 - Values are for cadmium - diet.
4 - Values are for manganese - diet.
5 - Values are for mercuric chloride.

Definitions:
ATSDR = Agency for Toxic Substances and Disease Registry
CNS = Central Nervous System.
CVS = Cardiovascular system.
GS = Gastrointestinal.
IRIS = Integrated Risk Information System.
NA = Not available.
RSL = USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010.
PPRTV = Provisional Peer Reviewed Toxicity Value.

Table 3-31

Non-Cancer Toxicity Data -- Inhalation
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
Page 1 of 2

Chemical of Potential Concern	Chronic/ Subchronic	Inhalation RfC		Extrapolated RfD[1]		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfC : Target Organ(s)	
		Value	Units	Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Volatile Organic Compounds									
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	Subchronic	2.0E-02	mg/m^3	5.7E-03	(mg/kg/day)	Urinary Tract	NA	PPRTV	6/17/2009
	Chronic	2.0E-03	mg/m^3	5.7E-04	(mg/kg/day)	Adrenals	NA	PPRTV	6/17/2009
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	Subchronic	1.2E+00	mg/m^3	3.4E-01	(mg/kg/day)	Liver	NA	ATSDR	07/2006
	Chronic	8.0E-01	mg/m^3	2.3E-01	(mg/kg/day)	Liver	100/1	IRIS	04/08/2011
Polycyclic Aromatic Hydrocarbons									
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	Chronic	3.0E-03	mg/m^3	8.6E-04	(mg/kg/day)	Respiratory	3000/1	IRIS	04/08/2011
Polychlorinated Biphenyls									
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals									
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	Chronic	1.5E-05	mg/m3	4.3E-06	(mg/kg/day)	NA	NA	Cal EPA	11/2010
Cadmium	Chronic	1.0E-05	mg/m3	2.9E-06	(mg/kg/day)	Kidney	NA	ATSDR	9/2008
Cobalt	Chronic	6.0E-06	mg/m^3	1.7E-06	(mg/kg/day)	Lungs	NA	PPRTV	8/25/2008
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	Chronic	5.0E-05	mg/m^3	1.4E-05	(mg/kg/day)	CNS	1000/1	IRIS	04/08/2011
Mercury[2]	Chronic	3.0E-05	mg/m^3	8.6E-06	(mg/kg/day)	Autoimmune	NA	Cal EPA	11/2010
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	Chronic	9.0E-05	mg/m^3	2.6E-05	(mg/kg/day)	Body Weight	NA	ASTDR	9/2005
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3-31

Non-Cancer Toxicity Data -- Inhalation
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
Page 2 of 2

Chemical of Potential Concern	Chronic/ Subchronic	Inhalation RfC		Extrapolated RfD(1)		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfC : Target Organ(s)	
		Value	Units	Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Petroleum Hydrocarbons									
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters									
Hexavalent Chromium	Chronic	1.0E-04	mg/m^3	2.9E-05	(mg/kg/day)	Lungs	300/1	IRIS	04/08/2011

Notes:
1 - Extrapolated RfD = RfC *$20m^3$/day / 70 kg
2 - Value is for mercuric chloride.
Definitions:
ATSDR = Agency for Toxic Substances and Disease Registry.
Cal EPA = California Environmental Protection Agency.
CNS = Central Nervous System.
IRIS = Integrated Risk Information System.
NA = Not available.
PPRTV = Provisional Peer Reviewed Toxicity Value.

Table 3-32

Cancer Toxicity Data -- Oral/Dermal
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical of Potential Concern	Oral Cancer Slope Factor		Oral Absorption Efficiency for Dermal[1]	Absorbed Cancer Slope Factor for Dermal[2]		Weight of Evidence/ Cancer Guideline Description	Oral CSF	
	Value	Units		Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Volatile Organic Compounds								
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	2.9E-02	$(mg/kg/day)^{-1}$	1	2.9E-02	$(mg/kg/day)^{-1}$	NA	PPRTV	6/17/2009
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	5.4E-03	$(mg/kg/day)^{-1}$	1	5.4E-03	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Polycyclic Aromatic Hydrocarbons								
Benzo(a)anthracene[3]	7.3E-01	$(mg/kg/day)^{-1}$	1	7.3E-01	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Benzo(a)pyrene[3]	7.3E+00	$(mg/kg/day)^{-1}$	1	7.3E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	IRIS	04/08/2011
Benzo(b)fluoranthene[3]	7.3E-01	$(mg/kg/day)^{-1}$	1	7.3E-01	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Benzo(k)fluoranthene[3]	7.3E-02	$(mg/kg/day)^{-1}$	1	7.3E-02	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Chrysene[3]	7.3E-03	$(mg/kg/day)^{-1}$	1	7.3E-03	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Dibenzo(a,h)anthracene[3]	7.3E+00	$(mg/kg/day)^{-1}$	1	7.3E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Indeno(1,2,3-cd)pyrene[3]	7.3E-01	$(mg/kg/day)^{-1}$	1	7.3E-01	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Naphthalene	NA	NA	NA	NA	NA	C / Possible human carcinogen	IRIS	04/08/2011
Polychlorinated Biphenyls								
Aroclor-1254	2.0E+00	$(mg/kg/day)^{-1}$	1	2.0E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(2)	9/1996
Aroclor-1260	2.0E+00	$(mg/kg/day)^{-1}$	1	2.0E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(2)	9/1996
Metals								
Antimony	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	1.5E+00	$(mg/kg/day)^{-1}$	1	1.5E+00	$(mg/kg/day)^{-1}$	A / Known human carcinogen	IRIS	04/08/2011
Cadmium	NA	NA	NA	NA	NA	B1 / Probable human carcinogen	IRIS	04/08/2011
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	B2 / Probable human carcinogen	IRIS	04/08/2011
Manganese	NA	NA	NA	NA	NA	D / Not classifiable as to human carcinogenicity	IRIS	04/08/2011
Mercury	NA	NA	NA	NA	NA	C / Possible human carcinogen	IRIS	04/08/2011
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA
Petroleum Hydrocarbons								
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters								
Hexavalent Chromium[3]	5.0E-01	$(mg/kg/day)^{-1}$	0.025	2.0E+01	$(mg/kg/day)^{-1}$	A / Known human carcinogen	NJ	11/2010

Table 3-32

Cancer Toxicity Data -- Oral/Dermal
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Interim. EPA/540/R/99/005.
2 - Adjusted cancer slope factor for dermal = Oral cancer slope factor / Oral Absorption Efficiency for Dermal.
3 - Several PAHs and hexavalent chromium are considered to act via the mutagenic mode of action. These chemicals are evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
Cal EPA = California Environmental Protection Agency.
IRIS = Integrated Risk Information System.
NA = Not available.
NJ = New Jersey.
PPRTV = Provisional Peer Reviwed Toxicity Value.
USEPA(1) = OSWER Directive No.9285.7-75.
USEPA(2) = USEPA, PCBs: Cancer Dose-Response Assessment and Applications to Environmental Mixtures, September 1996, EPA/600/P-96/001F.

Table 3-33

Cancer Toxicity Data -- Inhalation
Tax Blocks Soil
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical of Potential Concern	Unit Risk		Inhalation Cancer Slope Factor[1]		Weight of Evidence/ Cancer Guideline Description	Unit Risk : Inhalation CSF	
	Value	Units	Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Volatile Organic Compounds							
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	1.1E-05	$(ug/m^3)^{-1}$	3.9E-02	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Polycyclic Aromatic Hydrocarbons							
Benzo(a)anthracene[2]	1.1E-04	$(ug/m^3)^{-1}$	3.9E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Benzo(a)pyrene[2]	1.1E-03	$(ug/m^3)^{-1}$	3.9E+00	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Benzo(b)fluoranthene[2]	1.1E-04	$(ug/m^3)^{-1}$	3.9E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Benzo(k)fluoranthene[2]	1.1E-04	$(ug/m^3)^{-1}$	3.9E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Chrysene[2]	1.1E-05	$(ug/m^3)^{-1}$	3.9E-02	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Dibenzo(a,h)anthracene[2]	1.2E-03	$(ug/m^3)^{-1}$	4.2E+00	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Indeno(1,2,3-cd)pyrene[2]	1.1E-04	$(ug/m^3)^{-1}$	3.9E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Naphthalene	3.4E-05	$(ug/m3)^{-1}$	1.2E-01	$(mg/kg/day)^{-1}$	C / Possible Human Carcinogen	Cal EPA	11/2010
Polychlorinated Biphenyls							
Aroclor-1254	5.7E-04	$(ug/m^3)^{-1}$	2.0E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	9/1996
Aroclor-1260	5.7E-04	$(ug/m^3)^{-1}$	2.0E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	9/1996
Metals							
Antimony	NA	NA	NA	NA	NA	NA	NA
Arsenic	4.3E-03	$(ug/m^3)^{-1}$	1.5E+01	$(mg/kg/day)^{-1}$	A / Known human carcinogen	IRIS	04/08/2011
Cadmium	1.8E-03	$(ug/m^3)^{-1}$	6.3E+00	$(mg/kg/day)^{-1}$	B1 / Probable human carcinogen	IRIS	04/08/2011
Cobalt	9.0E-03	$(ug/m^3)^{-1}$	3.2E+01	$(mg/kg/day)^{-1}$	NA	PPRTV	8/25/2008
Iron	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	B2 / Probable human carcinogen	IRIS	04/08/2011
Manganese	NA	NA	NA	NA	D / Not classifiable as to human carcinogenicity	IRIS	04/08/2011
Mercury	NA	NA	NA	NA	C / Possible human carcinogen	IRIS	04/08/2011
Molybdenum	NA	NA	NA	NA	NA	NA	NA
Nickel	2.6E-04	$(ug/m^3)^{-1}$	9.1E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010

Table 3-33

Cancer Toxicity Data -- Inhalation
Tax Blocks Soil
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical of Potential Concern	Unit Risk		Inhalation Cancer Slope Factor[1]		Weight of Evidence/ Cancer Guideline Description	Unit Risk : Inhalation CSF	
	Value	Units	Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Metals (Continued)							
Vanadium	NA	NA	NA	NA	NA	NA	NA
Petroleum Hydrocarbons							
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters							
Hexavalent Chromium[2]	8.4E-02	$(ug/m^3)^{-1}$	2.9E+02	$(mg/kg/day)^{-1}$	A / Known human carcinogen	IRIS	04/08/2011

Notes:

1 - Inhalation CSF = Unit Risk * 70 kg / $20m^3$/day.

2 - Several PAHs and hexavalent chromium are considered to act via the mutagenic mode of action. These chemicals are evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

Definitions:

Cal EPA = California Environmental Protection Agency.

IRIS = Integrated Risk Information System.

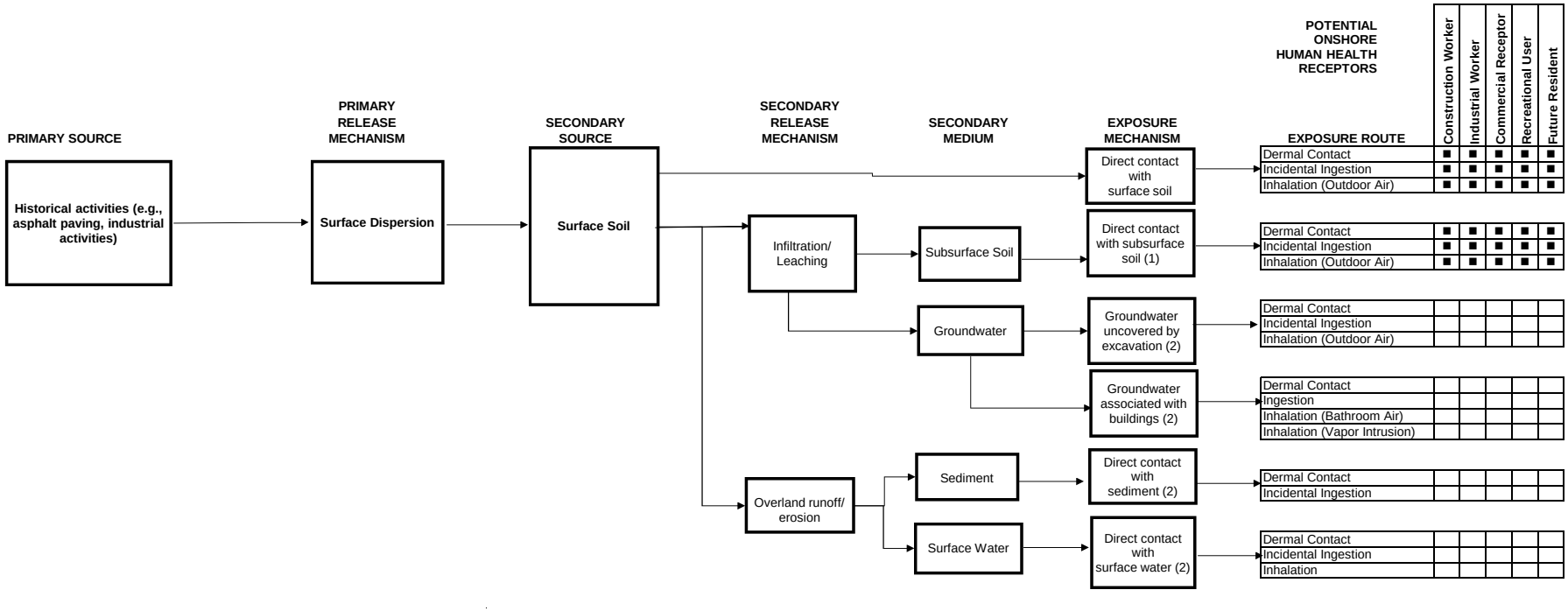
NA = Not available.

PPRTV = Provisional Peer Reviewed Toxicity Value.

USEPA(1) = USEPA, PCBs: Cancer Dose-Response Assessment and Applications to Environmental Mixtures, September 1996, EPA/600/P-96/001F.

Figure 3-1

Human Health Conceptual Site Model - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland



■ = POTENTIALLY COMPLETE EXPOSURE PATHWAY

1. Direct contact with subsurface soil (2 to 10 feet below ground surface) is not expected for industrial workers, commercial receptors, recreational users, and hypothetical residents. Direct exposure to subsurface soil would not be likely unless future construction activities brought subsurface soil to the surface. However, this pathway was evaluated to aid in risk-management decisions.
2. Exposure to media other than soils were not addressed for this risk evaluation. Groundwater will be addressed for the Middle River Complex in a Groundwater Response Action Plan provided under a separate cover. Drainage (overland flow) discharges at the Middled River Complex are permitted throught the State of Maryland NPDES.

Section 4
Risk Characterization Results

Section 4 presents risk characterization results for chemicals of potential concern (COPC) detected in soils in each of the tax blocks. Potential risks from direct-contact exposures to soil as well as a refined evaluation of the potential for chemical migration from soils to groundwater are provided. Risk assessment uncertainties common to all tax blocks are discussed in this section on a block-specific basis, as necessary. Risk assessment sample calculations are in Appendix D. The results of the risk assessment of the exposure-point concentration (EPC) for COPC detected in each tax block are summarized in this section and also presented in detail in Appendix D in the U.S. Environmental Protection Agency's (USEPA) *Risk Assessment Guidance for Superfund (RAGS) Part D* format tables. Risk estimates and hazard indices, calculated on a location-specific basis, are in Appendix E.

4.1 RISK CHARACTERIZATION RESULTS: TAX BLOCK D

4.1.1 Noncarcinogenic Risks—RME

Tables 4-1 through 4-3 summarize the chemical concentrations detected in Block D soil samples. Cumulative hazard indices (HIs) for the receptors hypothetically exposed to COPC in surface and subsurface soil in Block D are summarized below. Chemicals contributing to target-organ-specific HIs greater than one are considered chemicals of concern (COC) and are listed by environmental medium in Table 4-4. These COC will be further evaluated in the feasibility study (FS) for the tax blocks. The "risk drivers" listed in the following table are the predominant COPC contributing to the medium-specific cumulative risk estimates:

Receptor	Environmental medium	Hazard index	Primary risk drivers
Construction worker	Surface soil (SS)	1	SS: No COC[(1)]
	Subsurface soil (SB)	1	SB: No COC[(1)]
Industrial/commercial worker	Surface soil	0.05	SS: No COC[(1)]
	Subsurface soil	0.07	SB: No COC[(1)]
Child commercial receptor	Surface soil	0.4	SS: No COC[(1)]
	Subsurface soil	0.5	SB: No COC[(1)]

Receptor	Environmental medium	Hazard index	Primary risk drivers
Adolescent commercial receptor	Surface soil	0.08	SS: No COC[(1)]
	Subsurface soil	0.1	SB: No COC[(1)]
Child recreational user	Surface soil	0.8	SS: No COC[(1)]
	Subsurface soil	1	SB: No COC[(1)]
Adolescent recreational user	Surface soil	0.1	SS: No COC[(1)]
	Subsurface soil	0.2	SB: No COC[(1)]
Adult recreational user	Surface soil	0.08	SS: No COC[(1)]
	Subsurface soil	0.1	SB: No COC[(1)]
Child resident	Surface soil	1	SS: No COC[(1)]
	Subsurface soil	1	SB: No COC[(1)]
Adolescent resident	Surface soil	0.2	SS: No COC[(1)]
	Subsurface soil	0.3	SB: No COC[(1)]
Adult resident	Surface soil	0.1	SS: No COC[(1)]
	Subsurface soil	0.2	SB: No COC[(1)]

[(1)] HIs calculated on a target-organ-specific basis do not exceed 1. Therefore, no COC were identified for this medium

Hazard indices calculated on a target-organ-specific basis do not exceed 1 for any of the receptors evaluated. Consequently, adverse non-carcinogenic health effects are not anticipated under the conditions established in the exposure assessment.

Risk estimates calculated on a location-specific basis are in Appendix E. None of the location-specific HIs calculated for the typical industrial worker exposed to COPC in surface soil, shallow subsurface soils, or deeper saturated-zone soils exceed 1. HIs calculated for the hypothetical future resident for samples from five surface soil locations (maximum HI=2.1); 17 shallow subsurface soil locations (maximum HI=2.6), and 13 deeper saturated-zone soil locations (maximum HI=3.8) marginally exceed 1; arsenic, iron, and cobalt are the major contributors to risk. Most of these locations are in the panhandle portion of Block D.

4.1.2 Carcinogenic Risks—RME

Cancer risk estimates for receptors hypothetically exposed to EPC for COPC in surface and subsurface soil in Block D are summarized in the following table. Chemicals contributing an incremental lifetime-cancer risk (ILCR) greater than 1×10^{-6} are listed in Table 4-4 by environmental medium. Chemicals are considered COC if the cumulative risk estimate for the environmental medium exceeds 1×10^{-5}. Block D COC will be further evaluated in the FS. The "risk drivers" in the following table are the predominant COPC contributing to the cancer risk estimates presented here by medium:

Receptor	Environmental medium	Cancer risk estimates	Primary risk drivers[1]
Construction worker	Surface soil (SS)	3×10^{-6}	SS: No COC[2]
	Subsurface soil (SB)	2×10^{-6}	SB: No COC[2]
Industrial/commercial worker	Surface soil	1×10^{-5}	SS: No COC[2]
	Subsurface soil	5×10^{-6}	SB: No COC[2]
Child + adolescent commercial receptor	Surface soil	*1×10^{-4}*[3]	SS: BaPEq, As, Cr VI
	Subsurface soil	*3×10^{-5}*	SB: BaPEq, As, Cr VI
Lifelong recreational user	Surface soil	**2×10^{-4}**[4]	SS: BaPEq, As, Cr VI
	Subsurface soil	*5×10^{-5}*[3]	SB: BaPEq, As, Cr VI
Lifelong resident	Surface soil	**3×10^{-4}**[4]	SS: BaPEq, As, Cr VI
	Subsurface soil	*7×10^{-5}*[3]	SB: BaPEq, As, Cr VI

[1] Arsenic (As), hexavalent chromium (Cr VI), benzo(a)pyrene equivalents (BaPEq).

[2] ILCRs do not exceed 1×10^{-5}. Therefore, no COC were identified for this medium.

[3] The medium-specific ILCR exceeds 1×10^{-5} (ILCRs are italicized).

[4] The medium-specific ILCR exceeds 1×10^{-4} (ILCRs are bolded).

Cumulative cancer-risk estimates for the lifelong recreational user and the lifelong resident exposed to EPC for COPC in surface soil exceed the USEPA's target cancer-risk range. Cumulative cancer-risk estimates for these receptors and the child/adolescent commercial receptor also exceed MDE's cumulative risk benchmark of 1×10^{-5} for surface and subsurface soil. Cancer risk estimates for the construction worker and the industrial/commercial worker do not exceed either USEPA or MDE cumulative cancer risk benchmarks. The primary risk drivers are the benzo(a)pyrene equivalents (BaPEq), and, to a lesser extent, arsenic and hexavalent chromium. However, as noted earlier, hexavalent chromium is not the dominant chromium species in the limited number of soil samples specifically analyzed for hexavalent chromium. Consequently, the ILCRs for chromium for soils may be overestimated.

Cancer risk estimates calculated on a location-specific basis are in Appendix E. Although location-specific risk estimates for the typical industrial worker exposed to COPC concentrations in surface, shallow subsurface, or deeper saturated-zone soils exceed 1×10^{-5} at a limited number of Block D locations, none of the risk estimates exceed 1×10^{-4}. In contrast, risk estimates for the hypothetical future resident for several locations scattered across Block D exceed 1×10^{-4}, and estimates for four surface and one shallow subsurface-soil locations exceed 1×10^{-3}. None of the future-resident risk estimates for deeper saturated-zone soils exceed 1×10^{-3}. As noted above, BaPEq are the primary risk drivers.

4.1.3 Lead Risks/GRO/DRO

Lead was identified as a "global" COPC in surface soil and subsurface soil. However, the maximum lead concentration in subsurface soils is the only detection (SB-783 [1,010 mg/kg]) in Block D to exceed the COPC screening level. Analytical data for nearby sampling locations are all less than 120 mg/kg and the arithmetic-mean concentrations for Block F surface and subsurface soils samples are less than 50 mg/kg. Therefore, lead concentrations in Block D soils will not be further evaluated in this HHRA.

Environmental medium	Maximum detected lead concentration	Arithmetic-mean lead concentration	COPC screening level [(1)]
Surface soil	75 mg/kg	20.6 mg/kg	400 mg/kg
Subsurface soil	1,010 mg/kg	22.9 mg/kg	400 mg/kg

[(1)] COPC screening levels are defined and referenced in Section 3

Maximum detected GRO concentrations in Block D surface and subsurface soil do not exceed residential or non-residential MDE soil cleanup standards. However, the maximum detected DRO concentrations in the surface soil (1,800 mg/kg; SB-32A) exceed both MDE standards (230 mg/kg and 620 mg/kg, respectively).

4.2 RISK CHARACTERIZATION RESULTS: TAX BLOCK E

4.2.1 Noncarcinogenic Risks—RME

Tables 4-5 through 4-7 summarize chemical concentrations detected in Block E soil samples. Cumulative HIs for the receptors hypothetically exposed to EPC for COPC for surface and subsurface soil in Block E are summarized below. Chemicals contributing to target-organ-specific HIs greater than one (i.e., COC) are listed by environmental medium in Table 4-8. These COC will be further evaluated in the FS for the tax blocks. The "risk drivers" listed in the following table are the predominant COPC contributing to the medium-specific cumulative risk estimates:

Receptor	Environmental medium	Hazard index	Primary risk drivers[1][5]
Construction worker	Surface soil (SS)	**13**[4]	SS: A-1254
	Subsurface soil (SB)	**4**[4]	SB: A-1254
Industrial/commercial worker	Surface soil	**3**[4]	SS: A-1254
	Subsurface soil	*2*[2]	SB: No COC[3]
Child commercial receptor	Surface soil	**12**[4]	SS: A-1254
	Subsurface soil	**5**[4]	SB: A-1254
Adolescent commercial receptor	Surface soil	**4**[4]	SS: A-1254
	Subsurface soil	*2*[2]	SB: No COC[3]
Child recreational user	Surface soil	**24**[4]	SS: A-1254
	Subsurface soil	**11**[4]	SB: 123-TCB, 124-TCB, A-1254
Adolescent recreational user	Surface soil	**5**[4]	SS:A-1254
	Subsurface soil	*3*[2]	SB: No COC[3]
Adult recreational user	Surface soil	**3**[4]	SS: A-1254
	Subsurface soil	*2*[2]	SB: No COC[3]
Child resident	Surface soil	**34**[4]	SS: A-1254
	Subsurface soil	**18**[4]	SB: 123-TCB, 124-TCB, A-1254
Adolescent resident	Surface soil	**7**[4]	SS: A-1254
	Subsurface soil	**7**[4]	SB: 123-TCB, 124-TCB, A-1254
Adult resident	Surface soil	**5**[4]	SS: A-1254
	Subsurface soil	**6**[4]	SB: 124-TCB

[1] Aroclor-1254 (A-1254), 1,2,3-trichlorobenzene (123-TCB), 1,2,4-trichlorobenzene (124-TCB)

[2] The medium-specific hazard index exceeds one, but target-organ-specific hazard indices do not exceed one (HIs are italicized)

[3] HIs calculated on a target-organ-specific basis do not exceed 1. Therefore, no COC were identified for this medium

[4] The medium-specific hazard index exceeds one and target-organ-specific hazard indices exceed one (HIs are bolded)

[5] DRO was also selected as a COC as discussed in Section 4.2.3.

Except for the target-organ-specific HIs calculated for industrial workers, adolescent commercial receptors, or adolescent and adult recreational users exposed to subsurface soils, HI calculations based on the EPC for COPC exceed 1 for all receptors evaluated. Consequently, adverse non-carcinogenic health effects would be anticipated for these receptors under the conditions established in the exposure assessment. The primary risk drivers are Aroclor-1254, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene. As discussed below, the EPC, and thus the risk estimates, are strongly influenced by the maximum detected concentrations of these COPC in surface and subsurface soils:

COPC	Maximum detected surface soil concentration (mg/kg)	Maximum detected subsurface soil concentration (mg/kg)
Aroclor-1254	36	9.8
1,2,3-trichlorobenzene	43	2,200
1,2,4-trichlorobenzene	210	9,600

Risk estimates calculated on a location-specific basis are in Appendix E. When significant figures are taken into consideration for the estimated HI results, none of the location-specific HIs calculated for the deeper saturated-zone soils exceed unity. However, the HIs calculated for the typical industrial worker and the hypothetical future resident for samples from a single shallow sub-surface soil location (SB-833) exceed 10. Risk drivers for that location are Aroclor-1254, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene. No other location-specific risk estimates for the industrial worker exposed to subsurface soils exceed one.

Location-specific risk estimates for eight other locations for the hypothetical future resident exposed to shallow subsurface soils range from 1–10; Aroclor-1254, cobalt, and iron are the primary risk drivers. Location-specific risk estimates for the typical industrial worker for one surface location (SB-353) and for eight surface locations scattered across the block exceed an HI of 10 and 1, respectively. As indicated in the risk estimate figures in Appendix E, risk estimates for the hypothetical future resident for several Block E surface locations exceed 10, one of which (SB-353) had an HI of 330; Aroclor-1254, cobalt, and iron are the primary contributors to the non-cancer risks.

In reviewing the location-specific risk estimates in Appendix E, note that Aroclor-1254 was only actually detected in samples from boring location SB-555 (maximum concentration = 36 mg/kg). Risk estimates for this compound were calculated for other locations assuming that half of the sample quantitation-limit (SQL) reported for this chemical was present at those locations. However, SQLs reported for Aroclor-1254 for several locations are elevated (many exceed 1 mg/kg) because of the Aroclor-1260 detections at these locations. Aroclor-1254 may or may not be at these locations; detection of this compound is potentially “masked” by Aroclor-1260 in these samples.

4.2.2 Carcinogenic Risks—RME

Cancer risk estimates for receptors hypothetically exposed to EPC for COPC in surface and subsurface soil in Block E are summarized in the following table. Chemicals contributing an ILCR greater than 1×10^{-6} are listed by environmental medium in Table 4-8. Chemicals are considered COC if the cumulative risk estimate for the environmental medium exceeds 1×10^{-5}. Block E COC will be further evaluated in the FS. The "risk drivers" in the following table are the predominant COPC contributing to the cancer risk estimates, presented here by medium:

Receptor	Environmental medium	Cancer risk estimates	Primary risk drivers[(1)]
Construction worker	Surface soil (SS)	*3×10^{-5}*[(2)]	SS: A-1254, A-1260
	Subsurface soil (SB)	*1×10^{-4}*[(2)]	SB: A-1254, A-1260
Industrial/commercial worker	Surface soil	**2×10^{-4}**[(3)]	SS: A-1254, A-1260, BaPEq
	Subsurface soil	**7×10^{-4}**[(3)]	SB: A-1254, A-1260, BaPEq, 124-TCB
Child + adolescent commercial receptor	Surface soil	**3×10^{-4}**[(3)]	SS: A-1254, A-1260, BaPEq, As, Cr VI
	Subsurface soil	**1×10^{-3}**[(3)]	SB: A-1254, A-1260, BaPEq, 124-TCB
Lifelong recreational user	Surface soil	**6×10^{-4}**[(3)]	SS: A-1254, A-1260, BaPEq, 124-TCB, As, Cr VI
	Subsurface soil	**3×10^{-3}**[(3)]	SB: A-1254, A-1260, BaPEq, 124-TCB, As, Cr VI
Lifelong resident	Surface soil	**8×10^{-4}**[(3)]	SS: A-1254, A-1260, BaPEq, 124-TCB, As, Cr VI
	Subsurface soil	**4×10^{-3}**[(3)]	SB: A-1254, A-1260, BaPEq, 124-TCB, 14-DCB, As, Cr VI

[(1)] Aroclor-1254 (A-1254), 1,2,4-trichlorobenzene (124-TCB), Arsenic (As), hexavalent chromium (Cr VI), benzo(a)pyrene equivalents (BaPEq), 1,4-dichlorobenzene (14-DCB)

[(2)] The medium-specific ILCR exceeds 1×10^{-5} (ILCRs are italicized)

[(3)] The medium-specific ILCR exceeds 1×10^{-4} (ILCRs are bolded)

Except for the construction worker, cumulative cancer risk estimates for the receptors listed above exceed the USEPA's target cancer risk range. Cumulative cancer risk estimates for the construction worker exceed MDE's cumulative risk benchmark of 1×10^{-5}. The primary risk drivers are the Aroclors (particularly, Aroclor-1260), BaPEq, chlorobenzene compounds, and, to a lesser extent, arsenic and hexavalent chromium. However, as noted earlier, hexavalent chromium is not the dominant chromium species in the limited number of soil samples specifically analyzed for hexavalent chromium. Consequently, the ILCRs for chromium for soils may be overestimated. As discussed below, cancer risk estimates are strongly influenced by the maximum detected concentrations of these COPC in surface and subsurface soils.

Risk estimates calculated on a location-specific basis are in Appendix E. Aroclor-1260 is the predominant risk driver. With three exceptions (SB-503, SB-833, SB-827), cancer risk estimates for the industrial worker exposed to the deeper saturated-zone soils (greater than 10 feet bgs) do not exceed 1×10^{-5}; none of these estimates exceed 1×10^{-4}. Except for samples from locations SB-503 and SB-833, none of the cancer risk estimates for the hypothetical future resident exposed to the deeper saturated-zone soils exceed 1×10^{-4}. However, as detailed in Appendix E, risk estimates for both industrial workers and future residents being exposed at several surface and subsurface (2–10 feet bgs) sampling locations exceed 1×10^{-4}, one of which even exceeds 1×10^{-1} (i.e., a one in 10 probability). Of particular note are the risk estimates for samples associated with boring locations SB-353 and -833, which had the greatest concentrations of Aroclor-1260 in surface and subsurface soil samples, respectively.

4.2.3 Lead Risks/GRO/DRO

Lead was identified as a "global" COPC in surface soil and subsurface soil. However, the maximum lead concentrations in surface and subsurface soils do not exceed the COPC screening level. Therefore, lead concentrations in the Block E soils are not further evaluated in this HHRA.

Environmental medium	Maximum detected lead concentration	Arithmetic-mean lead concentration	COPC screening-*level*[(1)]
Surface soil	278 mg/kg	21.6 mg/kg	400 mg/kg
Subsurface soil	14.4 mg/kg	3.6 mg/kg	400 mg/kg

[(1)] COPC screening levels are defined and referenced in Section 3

Maximum detected GRO concentrations in Block E surface and subsurface soil do not exceed residential or non-residential MDE soil-screening levels. However, the maximum detected DRO concentrations in the surface (8,900 mg/kg; SB-833) and subsurface (28,000 mg/kg; SB-833) soils exceed the MDE residential soil-screening level (230 mg/kg) and also exceed the MDE non-residential soil-screening level (620 mg/kg). Additionally, as discussed in Section 5.3, two detected DRO concentrations in Block E soil exceed the calculated industrial risk-based concentration (6,100 mg/kg) based on an HQ of 0.1 and MDE risk assessment methodology. Because DRO concentrations exceed the 6,100 mg/kg risk-based concentration, DRO was selected as a COC for Block E (see Section 5.3 for a more detailed analysis).

4.3 RISK CHARACTERIZATION RESULTS: TAX BLOCK F

4.3.1 Noncarcinogenic Risks—RME

Tables 4-9 through 4-11 summarize the chemical concentrations detected in Block F soil samples. Cumulative HIs for receptors hypothetically exposed to EPC for COPC in surface and subsurface soil in Block F are summarized below. Chemicals contributing to target-organ-specific HIs greater than one (i.e., COC) are listed by environmental medium in Table 4-12. These COC will be further evaluated in the FS for the tax blocks. The "risk drivers" listed in the following table are the predominant COPC contributing to the medium-specific cumulative risk estimates:

Receptor	Environmental medium	Hazard index	Primary risk drivers[1]
Construction worker	Surface soil (SS)	0.5	SS: No COC[3]
	Subsurface soil (SB)	*2*[2]	SB: No COC[3]
Industrial/commercial worker	Surface soil	0.05	SS: No COC[3]
	Subsurface soil	0.2	SB: No COC[3]
Child commercial receptor	Surface soil	0.4	SS: No COC[3]
	Subsurface soil	0.5	SB: No COC[3]
Adolescent commercial receptor	Surface soil	0.08	SS: No COC[3]
	Subsurface soil	0.1	SB: No COC[3]
Child recreational user	Surface soil	0.7	SS: No COC[3]
	Subsurface soil	1	SB: No COC[3]
Adolescent recreational user	Surface soil	0.1	SS: No COC[3]
	Subsurface soil	0.4	SB: No COC[3]
Adult recreational user	Surface soil	0.08	SS: No COC[3]
	Subsurface soil	0.3	SB: No COC[3]
Child resident	Surface soil	1	SS: No COC[3]
	Subsurface soil	*2*[2]	SB: No COC[3]
Adolescent resident	Surface soil	0.2	SS: No COC[3]
	Subsurface soil	1	SB: No COC[3]
Adult resident	Surface soil	0.1	SS: No COC[3]
	Subsurface soil	0.9	SB: No COC[3]

[1] There are no primary risk drivers for any receptor.

[2] The medium-specific hazard index exceeds 1, but target-organ-specific hazard indices do not exceed 1 (HIs are italicized)

[3] HIs calculated on a target-organ-specific basis do not exceed 1. Therefore, no COC were identified for this medium.

Hazard indices calculated for the Block F EPCs on a target-organ-specific basis do not exceed 1. Consequently adverse non-carcinogenic health effects would not be anticipated for the construction worker, the industrial/commercial worker, the child/adolescent commercial receptor, the recreational user, or a resident under the conditions established in the exposure assessment. HIs were also calculated for surface soils, subsurface soils (2–10 feet bgs), and saturated-zone

soils (greater than 10 feet bgs) on a location-specific basis (Appendix E) for hypothetical future residents and industrial workers. None of the location-specific total HIs calculated for the industrial worker exceed unity (i.e., an HI of 1). Total HIs calculated for surface soil from two locations and for subsurface soils from two locations range from 1.1–1.9 for the hypothetical future resident; all other HIs calculated for the resident are less than 1. These results support the conclusion that adverse non-carcinogenic health effects would not be anticipated for the receptors evaluated.

4.3.2 Carcinogenic Risks—RME

Cancer risk estimates for receptors hypothetically exposed to EPC of COPC in surface and subsurface soil in Block F are summarized in the following table. Chemicals contributing an ILCR greater than 1×10^{-6} are listed by environmental medium in Table 4-12. Chemicals are considered COC if the cumulative risk estimate for the environmental medium exceeds 1×10^{-5}. Block F COC will be further evaluated in the FS. The "risk drivers" in the following table are the predominant COPC contributing to the cancer risk estimates presented here by medium:

Receptor	Environmental medium	Cancer risk estimates	Primary risk drivers[(1)]
Construction worker	Surface soil (SS)	5×10^{-6}	SS: No COC[(2)]
	Subsurface soil (SB)	*3×10^{-6}*	SB: No COC[(2)]
Industrial/commercial worker	Surface soil	*2×10^{-5}*[(3)]	SS: BaPEq
	Subsurface soil	9×10^{-6}	SB: No COC[(2)]
Child + adolescent commercial receptor	Surface soil	**2×10^{-4}**[(4)]	SS: BaPEq, As, Cr VI
	Subsurface soil	1×10^{-5}	SB: No COC[(2)]
Lifelong recreational user	Surface soil	**3×10^{-4}**[(4)]	SS: BaPEq, As, Cr VI
	Subsurface soil	*3×10^{-5}*[(3)]	SB: BaPEq, As, Cr VI, Nap.
Lifelong resident	Surface soil	**5×10^{-4}**[(4)]	SS: BaPEq, As, Cr VI
	Subsurface soil	*7×10^{-5}*[(3)]	SB: BaPEq, As, Cr VI, Nap.

[(1)] Arsenic (As), hexavalent chromium (Cr VI), benzo(a)pyrene equivalents (BaPEq), naphthalene (Nap.)
[(2)] ILCRs do not exceed 1×10^{-5}. Therefore, no COC were identified for this medium
[(3)] The medium-specific ILCR exceeds 1×10^{-5} (ILCRs are italicized)
[(4)] The medium-specific ILCR exceeds 1×10^{-4} (ILCRs are bolded)

Cumulative cancer-risk estimates for the child/adolescent commercial-receptor, lifelong recreational user, and the lifelong resident exposed to COPC in surface soil exceed the USEPA's target cancer-risk range. Cumulative cancer risk estimates for all receptors except the construction worker exposed to COPC in both surface subsurface soils and the industrial/commercial worker and child/adolescent commercial receptor exposed to COPC in subsurface soils exceed MDE's cumulative risk benchmark of 1×10^{-5}. In most cases, the primary

risk drivers are the BaPEq, and, to a lesser extent, arsenic and hexavalent chromium. (However, as noted earlier, hexavalent chromium is not the dominant chromium species in the limited number of soil samples specifically analyzed for hexavalent chromium. Consequently, the ILCRs for chromium for soils may be overestimated.)

Naphthalene is also a risk-driver for lifelong recreational users/residents hypothetically exposed to subsurface soils. The EPC for naphthalene (159 mg/kg) is more than an order of magnitude greater than the current USEPA RSL for industrial-worker exposure to soils (USEPA RSL = 18 mg/kg). As indicated in Table 4-12, the cancer risk estimates for naphthalene (a relatively volatile PAH compound) are driven by the inhalation exposure pathway. The naphthalene EPC evaluated is the maximum detected concentration (159 mg/kg at location SB-238, five-foot depth interval). Naphthalene concentrations at other Block F locations do not exceed COPC soil-screening levels. The naphthalene contamination detected at location SB-238 is co-located with a BaPEq concentration of approximately 3 mg/kg.

Cancer risk estimates were also calculated for surface soils, shallow subsurface soils (2-10 feet bgs), and saturated-zone soils (greater than 10 feet bgs) on a location-specific basis (Appendix E) for hypothetical future residents and industrial workers. BaPEq are the primary risk drivers. Cancer risk estimates for the typical industrial worker for samples from several locations exceed 1×10^{-5}; however, estimates for this receptor based on samples from only two surface soil locations (SB-95 and SB-268) exceed 1×10^{-4}.

Cancer risk estimates calculated for the hypothetical future resident on the basis of samples from approximately 50% of the surface soil locations exceed the 1×10^{-5} cancer risk benchmark. BaPEq contamination and, thus, cancer-risk estimates for the hypothetical future resident, are generally less in samples collected from the shallow subsurface soil. Risk estimates for the hypothetical future resident for four surface locations exceed 1×10^{-3}; risk estimates for the industrial worker do not exceed 1×10^{-3}. The location-specific risk estimates for saturated-zone soil samples are typically less than those calculated for the surface and shallow-subsurface zones; only the location-specific risk estimate for the hypothetical future resident for the deep saturated-zone soils at location SB-268 exceeds 1×10^{-4}.

4.3.3 Lead Risks/GRO/DRO

Lead was identified as a "global" COPC in surface soil and subsurface soil. However, the maximum lead concentration in surface soils is the only one of two detections (SB-055 [420 mg/kg] and SB-268 [447 mg/kg]) in Block F to exceed the COPC screening level. Analytical data for nearby sampling locations are all less than 100 mg/kg, and the arithmetic-mean concentrations from Block F surface and subsurface soils samples are less than 60 mg/kg. Therefore, lead concentrations in Block F soils will not be further evaluated in this HHRA.

Environmental medium	Maximum detected lead concentration	Arithmetic-mean lead concentration	COPC screening level (1)
Surface soil	447 mg/kg	58.9 mg/kg	400 mg/kg
Subsurface soil	81 mg/kg	10.4 mg/kg	400 mg/kg

(1) COPC screening levels are defined and referenced in Section 3

Maximum detected GRO concentrations in Block F surface and subsurface soil do not exceed residential or non-residential MDE soil cleanup standards. However, the maximum detected DRO concentrations in surface (271 mg/kg at SB-238) and subsurface (881 mg/kg at SB-238) soils exceed both MDE screening levels (230 mg/kg and 620 mg/kg for residential and non-residential screening levels, respectively).

4.4 RISK CHARACTERIZATION RESULTS: TAX BLOCK G

4.4.1 Noncarcinogenic Risks—RME

Tables 4-13 through 4-15 summarize the chemical concentrations detected in Block G soil samples. Cumulative HIs for receptors hypothetically exposed to EPC for COPC detected in surface and subsurface soil in Block G are summarized below. Chemicals contributing to target-organ-specific HIs greater than one (i.e., COC) are listed by environmental medium in Table 4-16. These COC will be further evaluated in the FS for the tax blocks. The "risk drivers" listed in the following table are the predominant COPC contributing to the medium-specific cumulative risk estimates:

Receptor	Environmental medium	Hazard index	Primary risk drivers[1]
Construction worker	Surface soil (SS)	*2*[2]	SS: No COC[3]
	Subsurface soil (SB)	*2*[2]	SB: No COC[3]
Industrial/commercial worker	Surface soil	0.09	SS: No COC[3]
	Subsurface soil	0.1	SB: No COC[3]
Child commercial receptor	Surface soil	1	SS: No COC[3]
	Subsurface soil	0.7	SB: No COC[3]
Adolescent commercial receptor	Surface soil	0.2	SS: No COC[3]
	Subsurface soil	0.2	SB: No COC[3]
Child recreational user	Surface soil	*2*[2]	SS: No COC[3]
	Subsurface soil	1	SB: No COC[3]
Adolescent recreational user	Surface soil	0.4	SS: No COC[3]
	Subsurface soil	0.3	SB: No COC[3]
Adult recreational user	Surface soil	0.2	SS: No COC[3]
	Subsurface soil	0.2	SB: No COC[3]
Child resident	Surface soil	**3**[4]	SS: cobalt
	Subsurface soil	*2*[2]	SB: No COC[3]
Adolescent resident	Surface soil	0.5	SS: No COC[3]
	Subsurface soil	0.4	SB: No COC[3]
Adult resident	Surface soil	0.3	SS: No COC[3]
	Subsurface soil	0.2	SB: No COC[3]

(1) Cobalt (Co)

(2) The medium-specific hazard index exceeds one, but target-organ-specific hazard indices do not exceed one (HIs are italicized)

(3) HIs calculated on a target-organ-specific basis do not exceed 1. Therefore, no COC were identified for this medium.

(4) The medium-specific hazard index exceeds one and target-organ-specific hazard indices exceed one (HIs are bolded)

With one exception, hazard indices calculated on a target organ-specific basis for the Block G EPCs do not exceed 1. However, the total HI calculated for the child resident hypothetically exposed to cobalt concentrations in surface soil does exceed 1. The maximum surface soil concentration (51.2 mg/kg at location SB-197-SS) and the EPC for surface soils (41.2 mg/kg) exceed the current USEPA RSL for residential soils (23 mg/kg). This indicates a potential for adverse non-carcinogenic health effects for this receptor under the conditions established in the exposure assessment.

Note that the calculated EPC is strongly influenced by the positive cobalt detection reported for location SB-197-SS. Location-specific HIs calculated for cobalt at other Block G locations (Appendix E) do not exceed unity. Location SB-197 is otherwise unremarkable. Consequently, the cobalt concentration detected at this location (surface and subsurface) may be somewhat anomalous.

4.4.2 Carcinogenic Risks—RME

Cancer risk estimates for receptors hypothetically exposed to EPC of COPC detected in surface and subsurface soil in Block G are summarized in the following table. Chemicals contributing an ILCR greater than 1×10^{-6} are listed by environmental medium in Table 4-16. Chemicals are considered COC if the cumulative risk estimate for the environmental medium exceeds 1×10^{-5}. Block G COC will be further evaluated in the FS. The "risk drivers" in the following table are the predominant COPC contributing to the cancer risk estimates, presented here by medium:

Receptor	Environmental medium	Cancer risk estimates	Primary risk drivers[1]
Construction worker	Surface soil (SS)	5×10^{-6}	SS: No COC[2]
	Subsurface soil (SB)	2×10^{-6}	SB: No COC[2]
Industrial/commercial worker	Surface soil	*2×10^{-5}*[3]	SS: BaPEq, As
	Subsurface soil	6×10^{-6}	SB: No COC[2]
Child + adolescent commercial receptor	Surface soil	*1×10^{-4}*[3]	SS: BaPEq, As, Cr VI
	Subsurface soil	*4×10^{-5}*[3]	SB: BaPEq, As, Cr VI
Lifelong recreational user	Surface soil	**2×10^{-4}**[4]	SS: BaPEq, As, Cr VI
	Subsurface soil	*8×10^{-5}*[3]	SB: BaPEq, As, Cr VI
Lifelong resident	Surface soil	**3×10^{-4}**[4]	SS: BaPEq, As, Cr VI
	Subsurface soil	*1×10^{-4}*[3]	SB: BaPEq, As, Cr VI

[1] Arsenic (As), hexavalent chromium (Cr VI), benzo(a)pyrene equivalents (BaPEq)

[2] ILCRs do not exceed 1×10^{-5}. Therefore, no COC were identified for this medium.

[3] The medium-specific ILCR exceeds 1×10^{-5} (ILCRs are italicized)

[4] The medium-specific ILCR exceeds 1×10^{-4} (ILCRs are bolded)

Cumulative cancer-risk estimates for the lifelong recreational user and the lifelong resident exposed to COPC in surface soil exceed the USEPA's target cancer-risk range. Cumulative cancer risk estimates for all receptors except the construction worker exposed to COPC in surface and subsurface soils and the industrial worker exposed to COPC in subsurface soils exceed MDE's cumulative risk benchmark of 1×10^{-5}. The primary risk drivers are the BaPEq, and, to a lesser extent, arsenic and hexavalent chromium. However, as noted earlier, hexavalent chromium is not the dominant chromium species in the limited number of soil samples specifically analyzed for hexavalent chromium. Consequently, the ILCRs for chromium for soils may be overestimated.

Risk estimates calculated for surface soils, subsurface soils (2–10 feet bgs), and saturated-zone soils (greater than 10 feet bgs) on a location-specific basis for hypothetical future residents and industrial workers are in Appendix E. Cancer risk estimates calculated for the typical industrial worker exposed to COPC in samples from surface or shallow sub-surface soils exceed 1×10^{-4} at

four and three locations, respectively; location-specific cancer risks for this receptor do not exceed 1×10^{-3}. Cancer risk estimates calculated for the hypothetical future resident for more than 50% of the locations evaluated exceed the 1×10^{-5} cancer risk benchmark. Risk estimates for several locations exceed 1×10^{-3}. The location-specific risk estimates for saturated-zone soil samples collected from several locations exceed 1×10^{-4}, indicating COC contamination as deep as 15 feet bgs.

4.4.3 Lead Risks/GRO/DRO

Lead was identified as a "global" COPC in surface soil and subsurface soil. However, the maximum and arithmetic-mean lead concentrations detected in Block G soils are less than the COPC screening level. Therefore, lead concentrations in Block G soils will not be further evaluated in this HHRA.

Environmental medium	Maximum detected lead concentration	Arithmetic-mean lead concentration	COPC screening level (1)
Surface soil	340 mg/kg	68.3 mg/kg	400 mg/kg
Subsurface soil	18 mg/kg	7 mg/kg	400 mg/kg

(1) COPC screening levels are defined and referenced in Section 3

Maximum detected DRO concentrations in Block G surface and subsurface soil do not exceed residential or non-residential MDE soil cleanup standards. However, the maximum detected GRO concentrations in surface (810 mg/kg at SB-734) and subsurface (980 mg/kg at SB728) soils exceed both MDE screening levels (230 mg/kg and 620 mg/kg for residential and non-residential screening levels, respectively).

4.5 RISK CHARACTERIZATION RESULTS: TAX BLOCK H

4.5.1 Noncarcinogenic Risks—RME

Tables 4-17 through 4-19 summarize the chemical concentrations detected in Block H soil sample. Cumulative HIs for the receptors hypothetically exposed to EPC for COPC in surface and subsurface soil in Block H are summarized below. Chemicals contributing to target-organ-specific HIs greater than one (i.e., COC) are listed by environmental medium in Table 4-20. These COC will be further evaluated in the FS for the tax blocks. The "risk drivers"

listed in the following table are the predominant COPC contributing to the medium-specific cumulative risk estimates:

Receptor	Environmental medium	Hazard index	Primary risk drivers
Construction worker	Surface soil (SS)	0.4	SS: No COC
	Subsurface soil (SB)	0.5	SB: No COC
Industrial/commercial worker	Surface soil	0.03	SS: No COC
	Subsurface soil	0.04	SB: No COC
Child commercial receptor	Surface soil	0.3	SS: No COC
	Subsurface soil	0.3	SB: No COC
Adolescent commercial receptor	Surface soil	0.06	SS: No COC
	Subsurface soil	0.07	SB: No COC
Child recreational user	Surface soil	0.5	SS: No COC
	Subsurface soil	0.6	SB: No COC
Adolescent recreational user	Surface soil	0.1	SS: No COC
	Subsurface soil	0.1	SB: No COC
Adult recreational user	Surface soil	0.06	SS: No COC
	Subsurface soil	0.07	SB: No COC
Child resident	Surface soil	0.7	SS: No COC
	Subsurface soil	0.9	SB: No COC
Adolescent resident	Surface soil	0.1	SS: No COC
	Subsurface soil	0.2	SB: No COC
Adult resident	Surface soil	0.08	SS: No COC
	Subsurface soil	0.09	SB: No COC

Total hazard indices and hazard indices calculated on a target organ-specific basis that is based on Block H EPCs do not exceed 1 for any of the receptors evaluated. Consequently, adverse non-carcinogenic health effects would not be anticipated under the conditions established in the exposure assessment.

HIs were also calculated for surface soils, subsurface soils (2–10 feet bgs), and saturated-zone soils (greater than 10 feet bgs) on a location-specific basis (Appendix E) for hypothetical future residents and industrial workers. None of the location-specific total HIs calculated for the industrial worker exceed unity. Total HIs calculated for surface soil from one location and subsurface soils from three locations range from 1.3–1.6 for the hypothetical future resident; all other HIs calculated for the resident are less than 1. These results support the conclusion that adverse non-carcinogenic health effects would not be anticipated for the receptors evaluated.

4.5.2 Carcinogenic Risks—RME

Cancer risk estimates for receptors hypothetically exposed to surface and subsurface soil in Block H are summarized in the following table. Chemicals contributing an ILCR greater than

1×10^{-6} are listed by environmental medium in Table 4-20. Chemicals are considered COC if the cumulative risk estimate for the environmental medium exceeds 1×10^{-5}. COC for Block H will be further evaluated in the FS. The "risk drivers" in the following table are the predominant COPC contributing to the cancer risk estimates, presented here by medium:

Receptor	Environmental medium	Cancer risk estimates	Primary risk drivers[1]
Construction worker	Surface soil (SS)	8×10^{-6}	SS: No COC[2]
	Subsurface soil (SB)	1×10^{-6}	SB: No COC[2]
Industrial/commercial worker	Surface soil	*4×10^{-5}*[3]	SS: BaPEq
	Subsurface soil	3×10^{-6}	SB: No COC[2]
Child + adolescent commercial receptor	Surface soil	**3×10^{-4}**[4]	SS: BaPEq, As, Cr VI
	Subsurface soil	*2×10^{-5}*[3]	SB: BaPEq, As, Cr VI
Lifelong recreational user	Surface soil	**6×10^{-4}**[4]	SS: BaPEq, As, Cr VI
	Subsurface soil	*3×10^{-5}*[3]	SB: BaPEq, As, Cr VI
Lifelong resident	Surface soil	**9×10^{-4}**[4]	SS: BaPEq, As, Cr VI
	Subsurface soil	*4×10^{-5}*[3]	SB: BaPEq, As, Cr VI

[1] Arsenic (As), hexavalent chromium (Cr VI), benzo(a)pyrene equivalents (BaPEq)

[2] ILCRs do not exceed 1×10^{-5}. Therefore, no COC were identified for this medium

[3] The medium-specific ILCR exceeds 1×10^{-5} (ILCRs are italicized)

[4] The medium-specific ILCR exceeds 1×10^{-4} (ILCRs are bolded)

Cumulative cancer-risk estimates (based on the Block H EPCs) for the lifelong recreational user, the lifelong resident, and the child/adolescent commercial receptor exposed to EPCs for COPC in surface soil exceed the USEPA's target cancer-risk range. Cumulative cancer risk estimates for these receptors exposed to COPC in subsurface soil and for the industrial/commercial worker exposed to COPC in surface soil exceed MDE's cumulative risk benchmark of 1×10^{-5}. Cancer risk estimates for the construction worker exposed to COPC in surface and subsurface soil and for the industrial/commercial worker exposed to COPC in subsurface soil do not exceed either USEPA or MDE cumulative cancer risk benchmarks. BaPEq are the primary risk drivers and, to a lesser extent, arsenic and hexavalent chromium. However, as noted earlier, hexavalent chromium is not the dominant chromium species in the limited number of soil samples specifically analyzed for hexavalent chromium. Consequently, the ILCRs for chromium for soils may be overestimated.

Cancer risk estimates were also calculated for surface soils, subsurface soils (2–10 feet bgs), and saturated-zone soils (greater than 10 feet bgs) on a location-specific basis (Appendix E) for hypothetical future residents and industrial workers. Cancer risk estimates developed for the hypothetical future resident for surface soils from boring locations SB-282A, -282D, and -604D,

and for subsurface soils (2–10 feet bgs) from soil-boring locations SB-282, -282B, -604B, -614, and -285 exceed 1×10^{-4}. Cancer risk estimates developed for the industrial worker for surface soils from boring location SB-604D exceed 1×10^{-4}; none of the cancer risk estimates developed for the industrial worker for subsurface soil locations exceed 1×10^{-4}. Cancer risk estimates developed for the hypothetical future resident for deeper saturated-zone soils from soil boring location SB-282 also exceed 1×10^{-4}. As summarized in Appendix E, cancer risk estimates developed for these receptors at several Block H locations exceed 1×10^{-5}. The locations exceeding 1×10^{-5} are scattered across Block H.

4.5.3 Lead Risks/GRO/DRO

Lead was identified as a "global" COPC in surface soil and subsurface soil. However, the maximum and arithmetic-mean lead concentrations detected in Block H soils are less than the COPC screening level. Therefore, lead concentrations in Block H soils will not be further evaluated in this HHRA.

Environmental medium	Maximum detected lead concentration	Arithmetic-mean lead concentration	COPC screening level [(1)]
Surface soil	18 mg/kg	6.8 mg/kg	400 mg/kg
Subsurface soil	17 mg/kg	7.2 mg/kg	400 mg/kg

[(1)]COPC screening levels are defined and referenced in Section 3

The maximum detected concentration of DRO in surface soil (242 mg/kg at SB-201) marginally exceeds the MDE residential soil-screening level (230 mg/kg). However, no other GRO or DRO concentration reported for Block H soils exceeds the MDE residential standard. None of the reported DRO/GRO concentrations exceed the MDE industrial soil-screening level (620 mg/kg). These indicators of fuel-related contamination are not significant contaminants in Block H soils.

4.6 REFINED EVALUATION OF CHEMICAL MIGRATION FROM SOILS TO GROUNDWATER

This section presents the results of the refined evaluation of the potential for chemical migration from soils to groundwater. The methodology used for the evaluation is provided in Section 3.4.3. Block-specific comparisons of soil data to MDE groundwater-protection criteria and adjusted USEPA soil-screening levels (SSLs) for groundwater protection are included in the "Occurrence and Distribution of Chemicals" tables for surface soil and subsurface soil (Tables 4-1, 4-2, 4-5,

4-6, 4-9, 4-10, 4-13, 4-14, 4-17, and 4-18). The MDE groundwater-protection criteria are based on a DAF of 20, and the USEPA criteria in these tables have been adjusted (i.e., multiplied by 20) to be based on a DAF of 20. A global COPC for the soil to groundwater migration pathway was deemed a block-specific COPC for the migration to groundwater pathway if the chemical was detected in a block-specific data set. Using this methodology, block-specific migration-to-groundwater COPC are presented in Tables 4-21 and 4-22 for surface soil and subsurface soil, respectively.

Groundwater data were not evaluated in the quantitative risk assessment. However, depth to groundwater at the Middle River Complex (MRC) is relatively shallow (i.e., groundwater is typically within 10 feet of the surface), and, as mentioned previously, site contamination presumably occurred more than 40 years ago. Therefore, evaluating groundwater data is very important in assessing possible contaminant migration to groundwater. Groundwater data collected at the MRC during the May–June 2010 sampling event were used to evaluate the migration to groundwater pathway. These groundwater data were selected because they were collected recently and can therefore be reasonably assumed to represent current conditions.

The May–June 2010 groundwater data set was evaluated as a whole to determine if any migration to groundwater COPC have negatively affected site groundwater. Table 4-23 presents positive detections of chemicals detected in the May–June 2010 sampling event. Only the samples collected from the blocks evaluated in this HHRA (i.e., Blocks D, E, F, G, and H) are included in Table 4-23. Block identifiers are also included in that table's headers.

Descriptive statistics for the groundwater data set (e.g., maximum and mean concentrations, frequency of detection), relevant screening criteria (MDE groundwater cleanup standards, USEPA tap water RSLs, and SDWA MCLs), as well as results for the frequency of detected chemicals in groundwater that exceed (1) MDE groundwater cleanup standards, (2) USEPA tap water RSLs, and (3) 10× the tap water RSLs were calculated for Blocks E and G. These results are presented in Tables 4-24 and 4-25, respectively. Descriptive statistics were not calculated for groundwater collected from Blocks D, F, and H because only three samples, two samples, and three samples, respectively, are associated with these data sets.

Note that none of the PAHs or other semivolatile organic compounds (SVOCs) selected as migration to groundwater COPC appear in Table 4-23. PAHs and other SVOCs have not been frequent analytes in the groundwater sampling at the MRC in recent years because past sampling determined that PAHs are not significant COC in groundwater at these tax blocks. Therefore, PAHs and other SVOCs are not retained as COC for the migration from soil to groundwater pathway for these tax blocks and are not discussed further in this section. Pesticides and polychlorinated biphenyls (PCBs) were not analytes in the groundwater data set. Therefore, COC for pesticides and PCBs are selected using only the available soil data.

No filtered metals results are included in the groundwater data set used for evaluation. Therefore, the analysis is based on total metals results. However, concentrations of total metals in groundwater may be artificially elevated if sample turbidity was high during groundwater collection. Therefore, filtered groundwater results from prior sampling events (July–August 2008 and July–August 2009) (Appendix D) were considered to assess if metals results for groundwater were likely attributable to sample turbidity. However, in most cases, metals with total groundwater concentrations exceeding criteria in the 2010 data set had similar exceedances in the 2008 and 2009 groundwater data sets. Thus, incorporating filtered groundwater results into the evaluation would not greatly affect overall conclusions.

Numerous metals were retained as block-specific migration-to-groundwater COPC in both surface soil and subsurface soil. However, as Table 4-23 shows, only the metals migration-to-groundwater COPC arsenic, cobalt, iron, manganese, and nickel had detected concentrations in groundwater exceeding the USEPA tap water RSL. Therefore, these constituents are considered groundwater COPC for this evaluation, and other metals will not be further discussed. No results are available for the miscellaneous parameter hexavalent chromium in groundwater. Therefore, hexavalent chromium is discussed below where applicable.

Block D surface soil—Volatiles, pesticides/PCBs, metals, and hexavalent chromium were selected as "global" migration-to-groundwater COPC and were detected in Block D surface soil. Of the volatiles selected as "global" migration-to-groundwater COPC, 1,2,4-trimethylbenzene, benzene, ethylbenzene, and methylene chloride were not detected in soil at concentrations exceeding MDE groundwater-protection criterion or the USEPA SSL at a DAF of 20. They are therefore eliminated as COC.

Naphthalene is the only volatile organic compound (VOC) detected at a concentration exceeding these criteria (in one of 29 samples). The maximum concentration of naphthalene is greater than twice the SSL. However, note that the maximum concentration of naphthalene is less than twice the MDE criterion. Of the pesticides/PCBs, only beta-BHC had detections exceeding MDE and USEPA criteria; therefore, Aroclor-1260 and total Aroclor are eliminated from COC selection. Beta-BHC exceeded criteria in only two of 17 samples. Of the metals, arsenic exceeded criteria in 27 of 29 samples, cobalt exceeded the SSL in three of 15 samples, iron exceeded the SSL in five of 15 samples, and manganese and nickel did not exceed applicable criteria in any samples. Therefore, manganese and nickel are eliminated for COC selection.

Hexavalent chromium exceeded the USEPA SSL at a DAF of 20 in nine of 15 samples. However, hexavalent chromium concentrations did not exceed the MDE groundwater-protection criterion. Actually reported hexavalent chromium data (i.e., not predicted based on a 5% assumed ratio between hexavalent and total chromium) were used in this evaluation.

The Block D groundwater data set had only three samples. Therefore, frequency of detections exceeding criteria could not be considered in selecting COC. Naphthalene was not detected in groundwater in any Block D groundwater samples and is thus eliminated as a COC. Beta-BHC was not a target analyte for the recent groundwater samples. Arsenic, cobalt, and iron exceeded applicable groundwater criteria, including MCLs (when available) in at least one sample. Hexavalent chromium results were not available for Block D groundwater.

Summary/Conclusions for Block D surface soil— The analysis presented above suggests that beta-BHC, arsenic, cobalt, iron, and hexavalent chromium should be retained as migration to groundwater COC. However, it should be noted that beta-BHC is most likely present in the soils as a consequence of the wide-spread application of pesticides/herbicides (not as a consequence of releases in the study area) and most of the metals concentrations detected may reflect background conditions. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Additionally, the maximum detection of beta-BHC (9.1 µg/kg) is less than the MCL-based SSL (DAFof 20) published for a related chemical, gamma-BHC (24 µg/kg). Consequently, these parameters are not recommended for further evaluation in the RAP.

Block D subsurface soil—The list of chemicals selected as "global" migration-to-groundwater COPC and detected in Block D subsurface soil is similar to that for the Block D surface soil. Of the volatiles, 1,2,4-trimethylbenzene, acetone, benzene, m+p-xylenes, and total xylenes detections in soil do not exceed MDE criteria or USEPA criteria based on a DAF of 20, and they are eliminated from COC selection. Concentrations of ethylbenzene do not exceed the MDE criterion but do exceed the SSL based on a DAF 20 in one of 84 samples. Ethylbenzene is eliminated from COC selection because the exceedances occur in less than 5% of samples and because the maximum concentration is less than twice the SSL at a DAF of 20.

Methylene chloride exceeds both the MDE criterion and adjusted SSL in two of 84 samples, and the maximum concentration of this chemical exceeds the criteria by more than 2×. Naphthalene concentrations also exceed relevant MDE and USEPA criteria in two of 84 and three of 84 samples, respectively. No concentrations of the pesticides/PCBs selected as "global" migration to groundwater COPC exceed groundwater-protection criteria in Block D subsurface soil. These chemicals are therefore eliminated as COC for Block D subsurface soil.

For the metals, arsenic, cobalt, and iron have concentrations exceeding applicable groundwater-protection criteria at frequencies greater than 5%. No concentrations of manganese or nickel exceed the available groundwater-protection criteria. These chemicals are therefore eliminated as COC. Hexavalent chromium was detected in 30 of 64 Block D subsurface soil samples. Concentrations of hexavalent chromium exceeded the USEPA SSL based on a DAF of 20 in 30 of 64 samples but do not exceed the MDE groundwater-protection criterion in any samples.

In Block D groundwater samples, ethylbenzene, methylene chloride, and naphthalene were not detected and are thus eliminated as COC. As mentioned previously, arsenic, cobalt, and iron were detected at concentrations exceeding criteria (including the MCL when available) in at least one of the three groundwater samples. Block D groundwater samples were not analyzed for hexavalent chromium.

Summary/Conclusions for Block D subsurface soil— The analysis above suggests the retention of arsenic, cobalt, iron, and hexavalent chromium as migration to groundwater COC. However, most of the metals concentrations detected likely reflect background conditions. (The reader is

referred to Section 5.1 for a further discussion of background soil concentrations.) Consequently, these parameters are not recommended for further evaluation in the RAP.

Block E surface soil—VOCs, PCBs, and metals were selected as "global" migration-to-groundwater COPC and all were detected in Block E surface soil. Of the VOCs, 1,2-dichlorobenzene in surface soil did not exceed relevant criteria in any samples and is thus eliminated from COC selection. No concentrations of tetrachloroethene (PCE) exceed the MDE criterion, and PCE detections in surface soil exceed the adjusted SSL in only one of 42 samples. No PCE hot spot is present (i.e., concentrations do not exceed twice the adjusted SSL), so PCE was eliminated from COC selection.

The rest of the VOC COPC have relatively low frequencies of detection exceeding criteria (i.e., no more than approximately 17% exceedances): 1,2,3-trichlorobenzene, 1,3-dichlorobenzene, methylene chloride, and naphthalene have frequencies of detections exceeding criteria that are less than 5%. However, all of these VOCs may have possible hot spot concentrations (i.e., concentrations greater than twice the criteria). Three PCBs and total Aroclor were selected as "global" migration-to-groundwater COPC. Aroclor-1254 exceeds both the MDE and USEPA criteria in two of 220 samples but has a maximum concentration greater than twice the criteria. Aroclor-1260/total Aroclor exceed the relevant criteria in 73 of 220 samples. Manganese and nickel were not detected in surface soil at concentrations exceeding criteria and are thus eliminated from COC selection. Arsenic, cobalt, and iron exceed criteria in more than 5% of surface soil samples.

Methylene chloride and naphthalene were not detected in Block E groundwater samples and are thus eliminated from COC selection. Neither was PCE (previously eliminated from COC selection) detected in groundwater. Concentrations of 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene exceeded the MDE groundwater protection value or USEPA tap water value and MCL (when available). Less than 20 samples were available for Block E groundwater, so these chemicals are not eliminated from COC selection based on the frequency of their detection in excess of relevant criteria.

Concentrations of arsenic, cobalt, and iron in Block E groundwater exceed the USEPA tap water criteria. However, concentrations of arsenic do not exceed the MDE groundwater standard.

Concentrations of arsenic do not exceed the MCL; therefore, arsenic is eliminated as a COC. The frequency of detections of these chemicals in excess of relevant criteria was not considered in determine COC because less than 20 samples of Block E groundwater were available.

Summary/Conclusions for Block E surface soil—The preceding analysis suggests the retention of the following chemicals as COC: 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, Aroclor-1242, Aroclor-1260, total Aroclor, cobalt, and iron. However, PCBs (i.e., the Aroclors) have already been identified as COC in the Block E surface soils because of direct contact risk. These PCB parameters do not readily migrate from soils to groundwater, and direct-contact-risk remedial goals established for these chemicals are typically more conservative (i.e., lower than) site-specific migration-to-groundwater remedial goals that may be calculated for these parameters. Note that most of the metals concentrations detected may reflect background conditions. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Consequently, PCBs and metals are not recommended for further evaluation in the RAP. In contrast, the referenced chlorobenzene compounds (mostly associated with "hot spot" location SB-833) are recommended for further evaluation in the RAP.

Block E subsurface soil— The migration-to-groundwater "global" COPC list for Block E subsurface soil is similar to that of Block E surface soil, although a few more volatiles are COPC for subsurface soil. Of the VOCs in subsurface soil, 1,2,4-trimethylbenzene, acetone, carbon tetrachloride, m+p-xylenes, and total xylenes do not have concentrations exceeding applicable criteria and are thus eliminated from COC selection. 1,2-Dichlorobenzene, 1,2-dichloroethane, 1,3-dichlorobenzene, benzene, chlorobenzene, methylene chloride, naphthalene, PCE, trichloroethene (TCE) and vinyl chloride have less than 5% frequencies of detection exceeding the relevant criteria and are thus eliminated from COC selection. For the PCBs, Aroclor-1254 exceeds criteria in only one of 255 samples; however, the maximum concentration is greater than twice the criteria. Aroclor-1260/total Aroclor exceed criteria in more than 5% of samples and have maximum concentrations exceeding the relevant criteria. For the metals, cobalt, manganese, and nickel are eliminated from COC selection because no concentrations of these chemicals in soil exceed the applicable criteria. Concentrations of arsenic and iron exceed the criteria in more than 5% of samples.

As mentioned previously, concentrations of 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, and 1,4-dichlorobenzene in groundwater exceed applicable screening criteria, including MCLs (when available). Arsenic concentrations exceed the USEPA tap water criterion but do not exceed the MDE criterion or the MCL; arsenic is thus eliminated from COC selection. Iron concentrations do exceed the MDE cleanup standard and the USEPA tap water criterion. Fewer than 20 samples were available, so the frequency of detections exceeding criteria was not considered in selecting COC.

Summary/Conclusions for Block E subsurface soil—The preceding analysis suggests the retention of the following chemicals as migration-to-groundwater COC: 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,4-dichlorobenzene, Aroclor-1254, Aroclor-1260, total Aroclor, and iron. The narrative provided above regarding the chlorobenzene and PCB detections in the Block E surface soils also applies to the Block E subsurface soils. Therefore, PCBs are not recommended for further evaluation in the RAP (on the basis of groundwater protection); the chlorobenzene compounds are recommended for evaluation in the RAP. Note that most of the iron concentrations detected may reflect background conditions. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Consequently, iron is not recommended for further evaluation in the RAP.

Block F surface soil—One VOC, PCBs, metals, and hexavalent chromium are "global" COPC detected in Block F surface soil. The VOC methylene chloride was not detected at concentrations in surface soil exceeding the MDE groundwater-protection criterion or the USEPA SSL, based on a DAF of 20. Therefore, methylene chloride is eliminated from COC selection. Aroclor-1254 was not detected at concentrations exceeding criteria in surface soil and is also eliminated from COC selection. Aroclor-1260 and total Aroclor were detected in less than 5% of samples; however, their maximum concentrations exceed twice the screening criteria.

Of the metals, nickel was not detected at concentrations in surface soil exceeding criteria and thus is not a COC. One of 20 (approximately 5%) cobalt concentrations exceeded the adjusted USEPA SSL, so cobalt is not a COC. Arsenic concentrations exceeded criteria in more than 5% of surface soil samples. Hexavalent chromium concentrations exceeded the adjusted USEPA SSL in more than 5% of samples but did not exceed MDE groundwater-protection criterion.

Only two groundwater samples were available for Block F groundwater. Arsenic concentrations exceeded the USEPA tap water RSL but did not exceed the MDE groundwater-protection cleanup standard or the MCL. It should also be noted that most of the arsenic concentrations detected in the Block F surface soils appear to reflect background conditions. Thus, arsenic is not retained as a COC. Block F groundwater samples were not analyzed for hexavalent chromium, so hexavalent chromium could not be eliminated from migration-to-groundwater COC selection based on groundwater data.

Summary Conclusions for Block F surface soil— The analysis above suggests the retention of the following chemicals as migration-to-groundwater COC for Block F surface soil: Aroclor-1260, total Aroclor, and hexavalent chromium. However, PCBs (i.e., the Aroclors) were not selected as groundwater protection COC for the Block F subsurface soils suggesting limited migration from surface to subsurface soils. Additionally, the vast majority of total chromium and hexavalent chromium results suggest that chromium concentrations in the Block F soils are reflective of background conditions. Also, maximum total and hexavalent chromium concentrations do not exceed the MDE clean-up standard for groundwater protection. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Therefore, PCBs and hexavalent chromium are not recommended for further evaluation in the RAP.

Block F subsurface soil—The "global" COPC list for Block F subsurface soil is similar to Block F surface soil, with the addition of a few VOCs. In subsurface soil, the VOCs acetone, m+p-xylenes, and total xylenes do not have concentrations exceeding the MDE cleanup standard for groundwater protection or exceeding the adjusted USEPA SSL based on a DAF of 20. These chemicals are therefore not retained as COC for migration to groundwater.

Concentrations of 1,2,4-trimethylbenzene exceed the criteria in only one of 36 samples (approximately 3%); this chemical is thus not a COC. Concentrations of ethylbenzene, methylene chloride, and naphthalene in subsurface soil exceed criteria in only one of 36 samples; however, the maximum concentrations of these chemicals are greater than twice the applicable criteria.

For PCBs, concentrations of Aroclor-1260 and total Aroclor do not exceed the MDE or adjusted USEPA criteria. PCBs are therefore eliminated as COC. For the metals, concentrations of nickel did not exceed the applicable screening criteria, so nickel is likewise not a COC. Concentrations of arsenic and cobalt exceed criteria in more than 5% of samples.

Ethylbenzene, methylene chloride, and naphthalene were not detected in groundwater, so these chemicals are eliminated as migration-to-groundwater COC. As previously stated, arsenic concentrations in groundwater exceed the tap water RSL but do not exceed the MDE cleanup standard or the MCL. Therefore, arsenic is not a COC. Cobalt concentrations in groundwater exceed the tap water RSL in one of two samples. No MCL is available for cobalt.

Summary/Conclusions for Block F subsurface soil— The preceding analysis suggests the retention of cobalt as a migration-to-groundwater COC for Block F subsurface soil. However, note that most of the cobalt concentrations detected may reflect background conditions. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Therefore, cobalt is not recommended for further evaluation in the RAP.

Block G surface soil—Volatiles, PCBs, and metals were selected as "global" migration-to-groundwater COPC and were detected in Block G surface soil. In surface soil, the VOCs 1,1-dichloroethane, 1,2,4-trimethylbenzene, methylene chloride, and naphthalene do not exceed the MDE cleanup standard for groundwater protection or the adjusted USEPA SSL based on a DAF of 20. These chemicals are therefore not retained as COC. Concentrations of TCE exceed the MDE groundwater protection cleanup standard in three of 14 samples but do not exceed the adjusted SSL. For the PCBs, Aroclor-1254 does not exceed criteria and is thus not retained as a COC. Concentrations of Aroclor-1260 and total Aroclor exceed criteria in two of 22 samples. For the metals, concentrations of nickel do not exceed criteria; nickel is thus not a COC. Concentrations of arsenic and cobalt exceed criteria in more than 5% of samples.

Nineteen samples were available for Block G groundwater. Concentrations of TCE in groundwater exceed groundwater-screening criteria in more than 5% of samples, in addition to exceeding the MCL. Concentrations of arsenic in groundwater exceed the USEPA tap water criterion in more than 5% of samples and also exceed the MDE groundwater cleanup standard

and the MCL. Concentrations of cobalt exceed the USEPA tap water RSL in more than 5% of samples. No MCL is available for cobalt.

Summary/Conclusions for Block G surface soil—The preceding analysis suggests the selection of TCE, Aroclor-1260, total Aroclor, arsenic, and cobalt as migration-to-groundwater COC for Block G surface soil. However, the maximum TCE detection does not exceed the MCL-based SSL calculated using a DAF of 20. PCBs (i.e., the Aroclors) were not selected as groundwater protection COC for the Block G subsurface soils suggesting limited migration from surface to subsurface soils. Most of the metals concentrations detected may reflect background conditions. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Therefore, these parameters are not recommended for further evaluation in the RAP.

Block G subsurface soil—Global migration-to-groundwater COPC for Block G subsurface soil include VOCs, PCBs, and metals. For the VOCs in subsurface soil, 1,2,4-trimethylbenzene, acetone, methylene chloride, and total xylenes do not have concentrations exceeding the MDE groundwater-protection standard or the adjusted SSL based on a DAF of 20. These chemicals are therefore eliminated from COC selection. Additionally, concentrations of benzene exceed criteria in less than 5% of samples; therefore, benzene is not a COC. Concentrations of ethylbenzene exceed criteria in less than 5% of samples; however, the maximum concentration of ethylbenzene is more than twice the adjusted SSL.

Concentrations of naphthalene and TCE exceed criteria in more than 5% of samples. Concentrations of PCBs do not exceed criteria; PCBs are therefore not retained as COC. Concentrations of the metals manganese and nickel do not exceed criteria and are thus not retained as COC. In contrast, concentrations of arsenic, cobalt, and iron exceed criteria in more than 5% of samples.

Ethylbenzene and naphthalene were not detected in groundwater, so these chemicals are eliminated from COC selection. Groundwater concentrations of TCE exceed the screening criteria in more than 5% of samples and also exceed the MCL. As mentioned previously, concentrations of arsenic in groundwater exceed the USEPA tap water criterion in more than 5% of samples and exceed the MDE groundwater cleanup standard and the MCL. Concentrations of

cobalt exceed the USEPA tap water RSL in more than 5% of samples. No MCL is available for cobalt. Concentrations of iron also exceed criteria in more than 5% of samples.

Summary/Conclusions for Block G subsurface soil—The preceding analysis suggests the retention of the following constituents as migration-to-groundwater COC for Block G subsurface soil: TCE, arsenic, cobalt, and iron. However, the maximum TCE detection does not exceed the MCL-based SSL calculated using a DAF of 20. Also, note that most of the metals concentrations detected may reflect background conditions. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Therefore, these parameters are not recommended for further evaluation in the RAP.

Block H surface soil—VOCs and metals were selected as "global" migration-to-groundwater COPC and were detected in Block H surface soil. Of the VOCs, ethylbenzene, and methylene chloride were not detected at concentrations exceeding the MDE groundwater protection standard or the adjusted USEPA SSL at a DAF of 20. These constituents are therefore not COC. Concentrations of naphthalene exceed the adjusted SSL in two of 11 samples. For the metals, no concentrations of nickel exceeded applicable criteria, so nickel is not retained as a COC. At least one concentration each of arsenic and cobalt exceed criteria. The frequency of detections exceeding criteria was not considered in determining COC because less than 20 samples of arsenic and cobalt were available.

Three groundwater samples were available for Block H. Naphthalene was not detected in Block H groundwater and is therefore eliminated as a migration-to-groundwater COC. TCE was detected in groundwater at a concentration exceeding criteria, including the MCL. Arsenic was detected in groundwater at detections exceeding the USEPA tap water criterion; however, arsenic concentrations did not exceed the MDE groundwater-protection criterion and did not exceed the MCL. Therefore, arsenic is not retained as a COC. Concentrations of cobalt did exceed the USEPA tap water criterion. No MDE groundwater-protection criterion or MCL is available for cobalt.

Summary/Conclusions for Block H surface soil—The preceding analysis suggests the retention of TCE and cobalt as migration-to-groundwater COC for Block G subsurface soil. However, the maximum TCE detection does not exceed the MCL-based SSL calculated using a DAF of 20. Also,, note that most (if not all) of the cobalt concentrations detected may reflect background

conditions. (The reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Therefore, these parameters are not recommended for further evaluation in the RAP.

Block H subsurface soil—VOCs, metals, and hexavalent chromium were selected as "global" migration-to-groundwater COPC and were detected in the Block H subsurface soil. Of the VOC COPC, only naphthalene and TCE were detected at concentrations exceeding the screening criteria. Therefore, the remaining VOCs, 1,2,4-trimethylbenzene, acetone, ethylbenzene, m+p-xylenes, and methylene chloride are eliminated from COC selection. Of the metals, nickel was not detected at concentrations exceeding criteria and is thus eliminated from COC selection. Concentrations of arsenic and cobalt exceed criteria in more than 5% of samples. One of five concentrations of hexavalent chromium exceed the adjusted USEPA SSL, but no concentrations of hexavalent chromium exceed the MDE groundwater protection value.

The frequency of detections exceeding criteria in Block H groundwater was not considered in selecting COC because only three samples were available. Naphthalene was not detected in the Block H groundwater samples; naphthalene is thus not a COC. TCE was detected in groundwater at a concentration exceeding criteria, including the MCL. Arsenic concentrations exceeded the USEPA tap water value but did not exceed the MDE cleanup standard for groundwater protection, or the MCL. Arsenic is therefore eliminated as a migration-to-groundwater COC. Concentrations of cobalt exceeded the adjusted USEPA SSL. No MDE groundwater cleanup standard or MCL is available for cobalt. Hexavalent chromium was not an analyte in the Block H groundwater samples.

Summary/Conclusions for Block H subsurface soil—The preceding analysis suggests the retention of TCE, cobalt, and hexavalent chromium as migration-to-groundwater COC for Block H subsurface soil. However, the maximum TCE detection does not exceed the MCL-based SSL calculated using a DAF of 20. Note, also, that most of the cobalt concentrations detected may reflect background conditions. Additionally, the vast majority of total chromium and hexavalent chromium results suggest that chromium concentrations in the Block H soils are reflective of background conditions. Also, maximum total and hexavalent chromium concentrations do not exceed the MDE clean-up standard for groundwater protection. (The

reader is referred to Section 5.1 for a further discussion of background soil concentrations.) Therefore, these parameters are not recommended for further evaluation in the RAP.

Table 4-1
Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block D
Lockheed Martin, Middle River Complex

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																			
1,2,4-TRIMETHYLBENZENE	1/29	33		33		SB-66-SS	0.48	7	33.0	2.6	NC	NC	6200	N	0	NC	NC	420	0
1,3,5-TRIMETHYLBENZENE	1/14	23		23		SB-66-SS	5	7	23.0	4.3	NC	NC	78000	N	0	NC	NC	10400	0
2-BUTANONE	7/29	1.6	J	17		D-SB-795-SS	1	72	6.9	15.9	4700000	0	2800000	N	0	29000	0	30000	0
ACETONE	2/29	110		440	J	D-SB-788-SS	4.7	210	275	43.4	7000000	0	6100000	N	0	22000	0	90000	0
BENZENE	1/29	0.72	J	0.72	J	D-SS-786-01	0.17	7	0.72	1.5	12000	0	1100	C	0	1.9	0	4.2	0
CARBON DISULFIDE	3/29	0.65	J	0.82	J	D-SB-789-SS	0.33	7	0.71	1.7	780000	0	82000	N	0	19000	0	6200	0
ETHYLBENZENE	1/29	8		8		SB-66-SS	0.19	7	8.0	1.6	780000	0	5400	C	0	15000	0	34	0
M+P-XYLENES	2/29	10	J	10	J	SB-33A-SS, SB-66-SS	0.89	14	10.0	3.4	1600000 [6]	0	63000	N[7]	0	3000 [6]	0	4000	0
METHYLENE CHLORIDE	5/29	7	J	10	J	SB-66-SS	0.5	7	8.0	2.6	85000	0	11000	C	0	19	0	24	0
NAPHTHALENE	1/29	260		260		SB-66-SS	0.14	7	260	10.4	160000	0	3600	C	0	150	1	9.4	1
O-XYLENE	1/29	23		23		SB-66-SS	0.26	7	23.0	2.2	1600000 [6]	0	380000	N	0	3000 [6]	0	24000	0
TOLUENE	1/29	0.38	J	0.38	J	D-SB-792-SS	0.2	7	0.38	1.5	630000	0	500000	N	0	27000	0	32000	0
TRICHLOROFLUOROMETHANE	1/29	0.85	J	0.85	J	D-SB-794-SS	0.25	7	0.85	1.5	NC	NC	79000	N	0	NC	NC	16600	0
Semivolatile Organics (ug/kg)																			
BIS(2-ETHYLHEXYL)PHTHALATE	1/29	20	J	20	J	D-SB-788-SS	20	4800	20.0	820	46000	0	35000	C	0	2900000	0	22000	0
CARBAZOLE	2/29	62		120		D-SB-794-SS	28	4800	91.0	827	32000	0	NC		0	470	0	NC	NC
DIBENZOFURAN	4/29	11	J	110		D-SB-794-SS	3.4	4800	42.5	821	7800	0	7800	N	0	NC	NC	13600	0
DIMETHYL PHTHALATE	1/29	2000	J	2000	J	SB-58-SS	18	4800	2000	826	NC	NC	NC		NC	NC	NC	NC	NC
PAHs (ug/kg)																			
1-METHYLNAPHTHALENE	3/16	15		480		D-SB-771-SS	3.6	83	174	38.5	NC	NC	22000	C	0	NC	NC	240	1
2-METHYLNAPHTHALENE	10/45	8.9		990	J	SB-66-SS	3.4	4800	223	532	31000	0	31000	N	0	4400	0	15000	0
ACENAPHTHENE	20/60	11		4500		D-SB-771-SS	3.5	4800	455	530	470000	0	340000	N	0	100000	0	440000	0
ACENAPHTHYLENE	15/60	10		1600	J	SB-67-SS	3.5	4800	271	375	470000	0	340000	N[8]	0	100000	0	440000 [8]	0
ANTHRACENE	23/60	15		6000		D-SS-781-01	3.5	4800	854	701	2300000	0	1700000	N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECT[17]	97/120	2.6		22517		D-SB-60RE-1	1.4	4200	1988	1702	22	80	15		90	NC	NC	70	61
BAP EQUIVALENT-POSITIVE RESULTS[17]	97/120	0.0072		22517		D-SB-60RE-1	1.4	4200	1803	1552	22	76	15	C	86	120	42	70	56
BENZO(A)ANTHRACENE	84/120	8.3		23000		D-SB-60RE-1	1	4800	1584	1242	220	28	150	C	31	480	23	200	29
BENZO(A)PYRENE	88/120	5		16000		D-SB-60RE-1	1.4	4800	1399	1175	22	73	15	C	77	120	33	70	44
BENZO(B)FLUORANTHENE	90/120	4.925		16000		D-SB-60RE-1	1.3	4800	1466	1250	220	29	150	C	32	1500	17	700	21
BENZO(G,H,I)PERYLENE	33/60	8.9		6900	J	SB-67-SS	3.5	4800	833	757	230000	0	170000	N[9]	0	680000	0	2400000 [9]	0
BENZO(K)FLUORANTHENE	76/120	8.2		6300		D-SB-60RE-1	1.8	4800	777	643	2200	12	1500	C	13	15000	0	7000	0
C1-CHRYSENES/BENZO(A)ANTHRACENES	2/6	500	J	1600	J	D-SB-777-SS	73	80	1050	376	NC	NC	NC		NC	NC	NC	NC	NC
C1-FLUORANTHENES/PYRENES	2/6	710	J	2300	J	D-SB-777-SS	73	80	1505	528	NC	NC	NC		NC	NC	NC	NC	NC
C1-PHENANTHRENES/ANTHRACENES	2/6	290	J	1300	J	D-SB-777-SS	73	80	795	291	NC	NC	NC		NC	NC	NC	NC	NC
C2-CHRYSENES/BENZO(A)ANTHRACENES	2/6	220	J	780	J	D-SB-777-SS	73	80	500	193	NC	NC	NC		NC	NC	NC	NC	NC
C2-PHENANTHRENES/ANTHRACENES	2/6	170	J	590	J	D-SB-777-SS	73	80	380	153	NC	NC	NC		NC	NC	NC	NC	NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	2/6	110	J	420	J	D-SB-777-SS	73	80	265	114	NC	NC	NC		NC	NC	NC	NC	NC
C3-PHENANTHRENES/ANTHRACENES	2/6	110	J	310	J	D-SB-777-SS	73	80	210	95.8	NC	NC	NC		NC	NC	NC	NC	NC
C4-CHRYSENES/BENZO(A)ANTHRACENES	1/6	300	J	300	J	D-SB-777-SS	73	85	300	82.9	NC	NC	NC		NC	NC	NC	NC	NC
CHRYSENE	89/120	7.2		24000		D-SB-60RE-1	0.96	4200	1538	1236	22000	1	15000	C	1	48000	0	22000	1
DIBENZO(A,H)ANTHRACENE	38/120	6.375		2000		D-SB-62RED-1, SB-67-SS	1.4	4800	472	324	22	28	15	C	33	460	12	220	14
FLUORANTHENE	47/60	8.4		37000		D-SB-774-SS	3.6	4800	2241	1955	310000	0	230000	N	0	6300000	0	3200000	0
FLUORENE	19/60	9.8		3100		D-SB-771-SS	3.5	4800	508	506	310000	0	230000	N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	81/120	8.7	J	7000		D-SB-62RED-1	1.6	4800	813	698	220	24	150	C	30	4200	5	2400	12
NAPHTHALENE	21/60	8.1		3100		D-SB-771-SS	3.4	4800	237	452	160000	0	3600	C	0	150	3	9.4	20
PHENANTHRENE	37/60	12		27000		D-SB-774-SS	3.5	4800	2282	1675	2300000	0	170000	N[9]	0	470000	0	2400000 [9]	0
PYRENE	50/60	7	J	27000		D-SB-774-SS	3.6	3700	2014	1800	230000	0	170000	N	0	680000	0	2400000	0
Pesticides/PCBs (ug/kg)																			
4,4'-DDD	1/17	4	J	4	J	D-SB-794-SS	0.66	53	4.0	4.3	2700	0	2000	C	0	11000	0	1320	0
4,4'-DDE	3/17	1.5	J	7.8	J	D-SS-783-01	0.41	53	5.5	4.5	1900	0	1400	C	0	35000	0	940	0
AROCLOR-1260	1/29	20	J	20	J	D-SB-794-SS	18	350	20.0	74.5	320	0	220	C	0	NC	NC	480	0
BETA-BHC	2/17	6.4	J	9.1	J	D-SS-783-01	1.2	53	7.8	5.8	350	0	270	C	0	3.1	2	4.4	2
TOTAL AROCLOR	1/29	20		20		D-SB-794-SS	0	0	20.0	0.69	320 [10]	0	220	C[11]	0	410 [10]	0	NC	NC

Table 4-1
Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block D
Lockheed Martin, Middle River Complex

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Inorganics (mg/kg)																
ANTIMONY	9/24	0.034 J	3 J	SB-67-SS	0.025	3.3	0.50	0.66	3.1	0	3.1 N	0	13	0	13.2	0
ARSENIC	27/29	0.54 L	6	D-SS-786-01	0.48	0.56	2.2	2.1	0.43	27	0.39 C	27	0.026	27	0.026	27
BARIUM	15/15	3.7	54.4	D-SB-794-SS	--	--	22.1	22.1	1600	0	1500 N	0	6000	0	6000	0
BERYLLIUM	17/29	0.055 J	4.6	SB-67-SS	0.05	3.1	1.3	1.3	16	0	16 N	0	1200	0	1160	0
CADMIUM	5/29	0.053 J	0.4 L	D-SS-787-01	0.0082	3.3	0.18	0.69	3.9	0	7 N	0	27	0	28	0
CHROMIUM	29/29	3.1 K	36 J	SB-66-SS	--	--	15.0	15.0	12000 [12]	0	12000 N[12]	0	2000000000 [12]	0	1980000000 [12]	0
COBALT	15/15	0.5	27.5	D-SS-787-01	--	--	6.07	6.1	NC	NC	2.3 N	8	NC	NC	9.8	3
COPPER	28/29	2.9	34 L	SB-33A-SS	2.6	2.6	12.5	12.1	310	0	310 N	0	11000	0	1020	0
IRON	15/15	3870	25400 J	D-SS-786-01	--	--	11700	11700	5500	10	5500 N	10	NC	NC	12800	5
LEAD	29/29	0.98	75 K	SB-64-SS	--	--	20.6	20.6	400	0	400	0	NC	NC	280 [13]	0
MANGANESE	15/15	9.4 J	183 J	D-SB-794-SS	--	--	56.3	56.3	160	1	180 N	1	950	0	1140	0
MERCURY	11/29	0.019 J	1.7	D-SB-794-SS	0.016	0.13	0.32	0.15	2.3 [14]	0	2.3 N[15]	0	NC	NC	NC	NC
MOLYBDENUM	14/15	0.14 J	0.61	D-SB-796-SS	0.14	0.14	0.40	0.38	NC	NC	39 N	0	NC	NC	74	0
NICKEL	29/29	0.64	40.6 J	D-SS-787-01	--	--	10.9	10.9	160	0	150 N	0	NC	NC	960	0
SELENIUM	19/29	0.11 J	4.4	SB-67-SS	2.4	3.3	1.47	1.4	39	0	39 N	0	19	0	19	0
SILVER	9/15	0.023 J	1.4	D-SB-794-SS	0.017	0.025	0.34	0.21	39	0	39 N	0	31	0	32	0
THALLIUM	4/29	0.034 J	0.054 J	D-SS-787-01	0.014	2.6	0.04	0.54	0.55	0	NC	NC	3.6	0	NC	NC
VANADIUM	15/15	10.9	43.3	D-SB-793-SS	--	--	20.9	20.9	7.8	15	39 N[16]	1	730	0	3600	0
ZINC	21/29	2.9	139 J	D-SS-787-01	3.1	31	41.2	33.1	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	22/29	8600 J	1800000	SB-32A-SS	11000	18000	180136	138172	230000	4	NC	NC	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	8/29	71 J	4800	SB-66-SS	48	140	1476	434	230000	0	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (mg/kg)																
HEXAVALENT CHROMIUM	9/15	0.32 J	1.3	D-SS-784-01	0.28	0.32	0.62	0.43	23	0	0.29 C	9	42	0	0.0166	9

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - The value is for xylenes.
7 - The value is for xylene, mixture.
8 - The value for acenaphthene is used as a surrogate for acenaphthylene.
9 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
10 - The value is for PCB (total).
11 - The value is for polychlorinated biphenyls (high risk).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - The value is for mercury (inorganic/mercuric dichloride).
15 - The value is for mercuric chloride.
16 - The value is for vanadium and compounds.
17 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-2

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																			
1,1-DICHLOROETHENE	1/84	1.1	J	1.1	J	D-SB-793-09	0.36	17	1.1	1.2	390000	0	24000	N	0	2900	0	2400	0
1,2,3-TRIMETHYLBENZENE	6/60	0.15	J	23	J	D-SB-786-03	0.12	0.41	5.9	0.66	NC	NC	NC		NC	NC	NC	NC	NC
1,2,4-TRIMETHYLBENZENE	3/84	0.74	J	41	J	D-SB-786-03	0.45	7	20.2	1.8	NC	NC	6200	N	0	NC	NC	420	0
2-BUTANONE	37/84	1.3	J	52		D-SB-792-03	0.98	120	7.1	12.3	4700000	0	2800000	N	0	29000	0	30000	0
4-ISOPROPYLTOLUENE	2/84	0.34	J	0.85	J	D-SB-788-03	0.15	7	0.60	1.0	NC	NC	NC		NC	NC	NC	NC	NC
ACETONE	10/84	59	J	400	J	D-SB-791-05	4.4	390	197	52.6	7000000	0	6100000	N	0	22000	0	90000	0
BENZENE	1/84	0.79	J	0.79	J	D-SB-786-09	0.16	11	0.79	1.1	12000	0	1100	C	0	1.9	0	4.2	0
BROMOMETHANE	1/84	0.49		0.49		D-SB-783-09	0.38	27	0.49	1.3	11000	0	730	N	0	41	0	44	0
CARBON DISULFIDE	5/84	0.45	J	35	J	D-SB-786-03	0.31	11	7.6	1.7	780000	0	82000	N	0	19000	0	6200	0
ETHYLBENZENE	3/84	0.67	J	40	J	D-SB-786-03	0.18	7	17.9	1.6	780000	0	5400	C	0	15000	0	34	1
ISOPROPYLBENZENE	2/84	3.1	J	5.2	J	D-SB-786-03	0.11	7	4.2	1.1	780000	0	210000	N	0	64000	0	22000	0
M+P-XYLENES	3/84	6	J	68	J	D-SB-786-03	0.84	20	31.7	3.4	1600000 [6]	0	63000	N[7]	0	3000 [6]	0	4000	0
METHYLENE CHLORIDE	12/84	5	J	120	J	D-SB-786-03, D-SB-786-05	0.47	7	27.4	4.8	85000	0	11000	C	0	19	2	24	2
N-PROPYLBENZENE	2/84	1.2	J	2.6	J	D-SB-789-05	0.28	13	1.9	1.2	NC	NC	340000	N	0	NC	NC	50000	0
NAPHTHALENE	3/84	16		4000		D-SB-786-03	0.13	7	1972	71.6	160000	0	3600	C	1	150	2	9.4	3
O-XYLENE	4/84	2	J	50	J	D-SB-786-03	0.24	20	26.8	2.5	1600000 [6]	0	380000	N	0	3000 [6]	0	24000	0
TOLUENE	5/84	0.26	J	0.71	J	D-SB-792-03	0.19	16	0.48	1.2	630000	0	500000	N	0	27000	0	32000	0
TOTAL XYLENES	4/60	2.9	J	120	J	D-SB-786-03	0.47	0.78	51.5	3.7	1600000 [6]	0	63000	N	0	3000 [6]	0	4000	0
Semivolatile Organics (ug/kg)																			
BIS(2-ETHYLHEXYL)PHTHALATE	12/84	22	J	110		D-SB-784-09	21	3900	39.8	111	46000	0	35000	C	0	2900000	0	22000	0
BUTYL BENZYL PHTHALATE	1/84	36	J	36	J	D-SB-795-07	11	3900	36.0	105	NC	NC	260000	C	0	NC	NC	10200	0
CARBAZOLE	3/84	33	J	180		D-SB-787-03	30	3900	111	114	32000	0	NC		NC	470	0	NC	NC
DI-N-BUTYL PHTHALATE	2/84	61	J	76	J	SB-66-10	17	3900	68.5	104	780000	0	610000	N	0	5000000	0	184000	0
DI-N-OCTYL PHTHALATE	1/84	76	J	76	J	SB-63-05	30	3900	76.0	111	NC	NC	NC		NC	NC	NC	NC	NC
DIBENZOFURAN	8/84	8.9	J	120		D-SB-787-03	3.6	3900	43.5	103	7800	0	7800	N	0	NC	NC	13600	0
DIMETHYL PHTHALATE	1/84	62	J	62	J	SB-58-05	19	3900	62.0	107	NC	NC	NC		NC	NC	NC	NC	NC
PHENOL	2/84	670		690		SB-58-10	30	3900	680	124	2300000	0	1800000	N	0	67000	0	126000	0
PAHs (ug/kg)																			
1-METHYLNAPHTHALENE	15/73	8.6		610		D-TP-2-3-6-7	3.5	200	120	27.6	NC	NC	22000	C	0	NC	NC	240	4
2-METHYLNAPHTHALENE	26/157	7.9		600		D-SB-777-07, D-TP-2-3-6-7	3.5	3900	102	72.8	31000	0	31000	N	0	4400	0	15000	0
ACENAPHTHENE	33/157	8.2		2400		D-SB-774-03	3.6	3900	189	91.9	470000	0	340000	N	0	100000	0	440000	0
ACENAPHTHYLENE	18/157	9		420		D-TP-2-3-6-7	3.6	3900	77	64.9	470000	0	340000	N[8]	0	100000	0	440000 [8]	0
ANTHRACENE	41/157	5.25		9200		D-SB-774-03	3.6	3900	386	153	2300000	0	1700000	N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[17]	222/431	2.4		24437		D-SB-774-03	1.4	4200	438	247	22	168	15		190	NC	NC	70	101
BAP EQUIVALENT-POSITIVE RESULTS[17]	222/431	0.79		24437		D-SB-774-03	1.4	4200	413	234	22	163	15	C	183	120	77	70	100
BENZO(A)ANTHRACENE	167/350	4	J	26000		D-SB-774-03	1	490	419	211	220	32	150	C	46	480	20	200	33
BENZO(A)PYRENE	206/431	3	J	16000		D-SB-774-03	1.4	4200	313	171	22	151	15	C	175	120	61	70	91
BENZO(B)FLUORANTHENE	179/350	6.1	J	25000		D-SB-774-03	1.3	3800	442	243	220	36	150	C	58	1500	8	700	15
BENZO(G,H,I)PERYLENE	50/157	8.1		7500		D-SB-774-03	3.6	3900	286	143	230000	0	170000	N[9]	0	680000	0	2400000 [9]	0
BENZO(K)FLUORANTHENE	135/350	5.5		10000		D-SB-774-03	1.6	3800	226	104	2200	1	1500	C	4	15000	0	7000	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	4/10	130	J	3300	J	D-TP-2-2-6-7	75	84	1468	610	NC	NC	NC		NC	NC	NC	NC	NC
C1-FLUORANTHENES/PYRENES	4/10	140	J	5900	J	D-TP-2-2-6-7	75	84	2645	1081	NC	NC	NC		NC	NC	NC	NC	NC
C1-FLURENES	1/10	1100	J	1100	J	D-TP-2-2-6-7	75	84	1100	145	NC	NC	NC		NC	NC	NC	NC	NC
C1-PHENANTHRENES/ANTHRACENES	3/10	93	J	6900	J	D-TP-2-2-6-7	75	84	3031	937	NC	NC	NC		NC	NC	NC	NC	NC
C2-CHRYSENES/BENZO(A)ANTHRACENES	3/10	86	J	1500	J	D-TP-2-2-6-7	75	84	809	270	NC	NC	NC		NC	NC	NC	NC	NC
C2-FLURENES	1/10	870	J	870	J	D-TP-2-2-6-7	75	84	870	122	NC	NC	NC		NC	NC	NC	NC	NC
C2-NAPHTHALENES	1/10	4100	J	4100	J	D-TP-2-2-6-7	75	84	4100	445	NC	NC	NC		NC	NC	NC	NC	NC
C2-PHENANTHRENES/ANTHRACENES	2/10	870	J	3900	J	D-TP-2-2-6-7	75	84	2385	508	NC	NC	NC		NC	NC	NC	NC	NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	2/10	380	J	520	J	D-TP-2-2-6-7	75	84	450	121	NC	NC	NC		NC	NC	NC	NC	NC
C3-FLUORENES	1/10	600	J	600	J	D-TP-2-2-6-7	75	84	600	95.2	NC	NC	NC		NC	NC	NC	NC	NC
C3-NAPHTHALENES	1/10	2800	J	2800	J	D-TP-2-2-6-7	75	84	2800	315	NC	NC	NC		NC	NC	NC	NC	NC
C3-PHENANTHRENES/ANTHRACENES	2/10	360	J	1700	J	D-TP-2-2-6-7	75	84	1030	237	NC	NC	NC		NC	NC	NC	NC	NC
C4-NAPHTHALENES	1/10	1300	J	1300	J	D-TP-2-2-6-7	75	84	1300	165	NC	NC	NC		NC	NC	NC	NC	NC
C4-PHENANTHRENES/ANTHRACENES	1/10	520	J	520	J	D-TP-2-2-6-7	75	84	520	87.2	NC	NC	NC		NC	NC	NC	NC	NC
CHRYSENE	164/350	4.7	J	27000		D-SB-774-03	0.98	490	425	210	22000	1	15000	C	1	48000	0	22000	1
DIBENZO(A,H)ANTHRACENE	70/350	3.05		2500		D-SB-774-03	1.4	3900	125	50.2	22	41	15	C	56	460	5	220	8
FLUORANTHENE	66/157	8.9		73000		D-SB-774-03	3.6	490	1553	676	310000	0	230000	N	0	6300000	0	3200000	0
FLUORENE	34/157	8.5		3200		D-SB-774-03	3.6	3900	224	101	310000	0	230000	N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	151/350	2.5	J	7100		D-SB-774-03	1.6	3900	207	113	220	24	150	C	32	4200	1	2400	2
NAPHTHALENE	34/157	8.9		1600		D-SB-777-07	3.6	3900	151	86.9	160000	0	3600	C	0	150	8	9.4	31

Table 4-2

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
PHENANTHRENE	53/157	9	44000	D-SB-774-03	3.6	3900	1279	481	2300000	0	170000 N[9]	0	470000	0	2400000 [9]	0
PYRENE	70/157	7.8 L	54000	D-SB-774-03	3.6	490	1170	545	230000	0	170000 N	0	680000	0	2400000	0
Pesticides/PCBs (ug/kg)																
4,4'-DDE	1/62	34 J	34 J	D-SB-790-05	0.43	25	34.0	1.5	1900	0	1400 C	0	35000	0	940	0
AROCLOR-1260	1/96	240	240	D-SB-790-05	19	360	240	45.3	320	0	220 C	1	NC	NC	480	0
BETA-BHC	1/62	1.3 J	1.3 J	D-SB-792-03	1.2	66	1.3	2.1	350	0	270 C	0	3.1	0	4.4	0
TOTAL AROCLOR	1/96	240	240	D-SB-790-05	0	0	240	2.5	320 [10]	0	220 C[11]	1	410 [10]	0	NC	NC
Inorganics (mg/kg)																
ANTIMONY	34/84	0.065 J	1	SB-247-10	0.027	3.6	0.28	0.47	3.1	0	3.1 N	0	13	0	13.2	0
ARSENIC	83/89	0.65 L	14.3	D-SB-786-07	0.51	3	4.4	4.2	0.43	83	0.39 C	83	0.026	83	0.026	83
BARIUM	66/66	5.2 J	48.1	D-SB-783-03	--	--	19.1	19.1	1600	0	1500 N	0	6000	0	6000	0
BERYLLIUM	67/90	0.28	6.6 J	D-SB-795-03	2.5	3.6	2.2	2.0	16	0	16 N	0	1200	0	1160	0
CADMIUM	29/90	0.017 J	1.1	D-SB-788-03	0.0089	3.6	0.17	0.46	3.9	0	7 N	0	27	0	28	0
CHROMIUM	90/90	2.2	120 J	SB-60-10	--	--	22.3	22.3	12000 [12]	0	12000 N[12]	0	2000000000 [12]	0	1980000000 [12]	0
COBALT	66/66	2 J	33	D-SB-792-03	--	--	10.1	10.1	NC	NC	2.3 N	65	NC	NC	9.8	24
COPPER	89/90	4 J	110 J	D-SB-784-07	2.7	2.7	22.7	22.5	310	0	310 N	0	11000	0	1020	0
IRON	60/60	1420	72900 J	D-SB-787-09	--	--	27943	27943	5500	56	5500 N	56	NC	NC	12800	51
LEAD	88/90	2.9 J	1010	D-SB-783-03	2.6	2.7	23.4	22.9	400	1	400	1	NC	NC	280 [13]	1
Inorganics (mg/kg) (continued)																
MANGANESE	60/60	5.9 J	326 J	D-SB-794-03	--	--	56.9	56.9	160	2	180 N	1	950	0	1140	0
MERCURY	57/171	0.021 J	3.3	SB-33-05	0.002	0.15	0.34	0.13	2.3 [14]	1	2.3 N[15]	1	NC	NC	NC	NC
MOLYBDENUM	56/66	0.16 J	1.2	D-SB-796-05	0.072	0.9	0.55	0.50	NC	NC	39 N	0	NC	NC	74	0
NICKEL	85/90	3.7 K	53.2 J	D-SB-795-03	2.7	3.6	20.8	19.8	160	0	150 N	0	NC	NC	960	0
SELENIUM	68/90	0.45 J	11 L	SB-31-05	2.5	3.6	2.1	1.9	39	0	39 N	0	19	0	19	0
SILVER	16/67	0.038 J	1.9	D-SB-792-03	0.018	3	0.40	0.13	39	0	39 N	0	31	0	32	0
THALLIUM	31/90	0.018 J	0.17 J	D-SB-782-07	0.016	2.9	0.08	0.39	0.55	0	NC	NC	3.6	0	NC	NC
VANADIUM	66/66	2.1	90.5	SB-249-10	--	--	38.6	38.6	7.8	65	39 N[16]	30	730	0	3600	0
ZINC	77/90	7 L	205 J	D-SB-788-03	26	36	54.6	48.9	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	53/84	3400 J	230000	D-SB-790-07	3200	27000	32626	22484	230000	0	NC	0	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	3/84	150	250	D-SB-786-03	51	150	197	43.7	230000	0	NC	0	NC	NC	NC	NC
Miscellaneous Parameters (mg/kg)																
HEXAVALENT CHROMIUM	30/64	0.33 J	1.1	D-SB-788-03	0.3	0.37	0.61	0.37	23	0	0.29 C	30	42	0	0.0166	30
Miscellaneous Parameters (ug/kg)																
MERCURY (METHYL)	2/2	0.31 K	0.474 K	SB-249-05	--	--	0.39	0.39	780	0	780 N	0	NC	NC	NC	NC
Miscellaneous Parameters (%)																
PERCENT SOLIDS	84/84	62.5	89.6	SB-323-0203, SB-324-0203	--	--	83.3	83.3	NC	0	NC	NC	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - The value is for xylenes.
7 - The value is for xylene, mixture.
8 - The value for acenaphthene is used as a surrogate for acenaphthylene.
9 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
10 - The value is for PCB (total).
11 - The value is for polychlorinated biphenyls (high risk).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - The value is for mercury (inorganic/mercuric dichloride).
15 - The value is for mercuric chloride.
16 - The value is for vanadium and compounds.
17 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-3

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
Volatile Organics (ug/kg)															
1,2,3-TRIMETHYLBENZENE	2/45	0.16	J	3.2	J	D-SB-786-13	0.12	0.2	1.7	0.15	NC	NC	NC		NC
2-BUTANONE	8/55	1.3	J	4	J	D-SB-791-13	1.1	120	2.2	7.6	4700000	0	2800000	N	0
ACETONE	3/55	100		230		D-SB-788-15	5.1	350	147	31.8	7000000	0	6100000	N	0
BENZENE	3/55	3.4	J	20	J	D-SB-786-13	0.18	6	11.1	1.2	12000	0	1100	C	0
CHLOROMETHANE	1/55	0.7	J	0.7	J	D-SB-785-13	0.33	13	0.70	0.91	NC	NC	12000	N	0
ETHYLBENZENE	2/55	0.35	J	9.2	J	D-SB-786-13	0.21	6	4.8	0.84	780000	0	5400	C	0
M+P-XYLENES	2/55	12	J	20	J	D-SB-786-13	0.96	13	16.0	2.1	1600000 [6]	0	63000	N[7]	0
METHYLENE CHLORIDE	6/55	8	J	77	J	D-SB-786-13	0.53	7	31.0	4.0	85000	0	11000	C	0
NAPHTHALENE	3/55	47		530		D-SB-786-13	0.15	6	279	16.0	160000	0	3600	C	0
O-XYLENE	3/55	0.57	J	12	J	D-SB-786-13	0.28	6	6.3	1.0	1600000 [6]	0	380000	N	0
STYRENE	1/55	0.16	J	0.16	J	D-SB-791-13	0.12	6	0.16	0.68	1600000	0	630000	N	0
TERT-AMYL METHYL ETHER	1/45	0.96	J	0.96	J	D-SB-793-13	0.26	0.43	0.96	0.18	NC	NC	NC		NC
TOLUENE	6/55	0.28	J	31	J	D-SB-786-13	0.22	6	7.6	1.5	630000	0	500000	N	0
TOTAL XYLENES	3/45	1	J	32	J	D-SB-786-13	0.53	0.78	17.0	1.4	1600000 [6]	0	63000	N	0
TRICHLOROFLUOROMETHANE	1/55	0.35	J	0.35	J	D-SB-793-11	0.27	14	0.35	0.90	NC	NC	79000	N	0
Semivolatile Organics (ug/kg)															
BIS(2-ETHYLHEXYL)PHTHALATE	6/55	23	J	140		D-SB-790-13	21	4200	67.2	118	46000	0	35000	C	0
BUTYL BENZYL PHTHALATE	3/55	22	J	29	J	D-SB-789-13	11	4200	26.3	109	NC	NC	260000	C	0
PHENOL	3/55	520		590		SB-58-20	30	4200	553	135	2300000	0	1800000	N	0
PAHs (ug/kg)															
1-METHYLNAPHTHALENE	12/47	11		190		D-SB-772-15	3.7	15	53.3	15.2	NC	NC	22000	C	0
2-METHYLNAPHTHALENE	14/102	8.5		390		D-SB-772-15	3.7	4200	79.6	68.1	31000	0	31000	N	0
ACENAPHTHENE	13/102	13		900		D-SB-772-15	3.7	4200	142	75.2	470000	0	340000	N	0
ACENAPHTHYLENE	18/102	8.2		2700		D-SB-778-13	3.7	4200	236	98.8	470000	0	340000	N[8]	0
ANTHRACENE	21/102	10		1600		D-SB-772-15	3.7	4200	217	102	2300000	0	1700000	N	0
BAP EQUIVALENT-1/2 NONDETECTS[15]	73/195	5.8		6217		D-SB-778-13	1.5	440	419	166	22	62	15		69
BAP EQUIVALENT-POSITIVE RESULTS[15]	73/195	1.3		6217		D-SB-778-13	1.5	440	351	141	22	62	15	C	68
BENZO(A)ANTHRACENE	63/195	8.5		2500		D-SB-778-13	1.1	4200	232	94.8	220	13	150	C	20
BENZO(A)PYRENE	71/195	8		4400		D-SB-778-13	1.5	440	263	105	22	58	15	C	65
BENZO(B)FLUORANTHENE	71/195	9.3		4600		D-SB-778-13	1.3	4200	302	130	220	22	150	C	25
BENZO(G,H,I)PERYLENE	26/102	10		3800		D-SB-778-13	3.7	4200	310	136	230000	0	170000	N[9]	0
BENZO(K)FLUORANTHENE	59/195	8.8		1400		D-SB-778-13	1.9	4200	150	65.4	2200	0	1500	C	0
C1-CHRYSENES/BENZO(A)ANTHRACENES	2/6	130	J	370	J	D-SB-774-15-D, D-SB-770-15	79	89	310	131	NC	NC	NC		NC
C1-FLUORANTHENES/PYRENES	2/6	160	J	610	J	D-SB-774-15-D	79	89	398	160	NC	NC	NC		NC
C1-PHENANTHRENES/ANTHRACENES	2/6	140	J	360	J	D-SB-774-15-D	78	89	170	84.3	NC	NC	NC		NC
C2-CHRYSENES/BENZO(A)ANTHRACENES	2/6	84	J	240	J	D-SB-770-15	79	89	179	87.3	NC	NC	NC		NC
C2-PHENANTHRENES/ANTHRACENES	2/6	99.5		170	J	D-SB-770-15	78	89	135	72.7	NC	NC	NC		NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	2/6	59.5		99	J	D-SB-770-15	78	89	79.3	54.2	NC	NC	NC		NC
C3-PHENANTHRENES/ANTHRACENES	2/6	67.5		130	J	D-SB-770-15	78	89	98.8	60.7	NC	NC	NC		NC
CHRYSENE	64/195	8.7		3000		D-SB-778-13	1	440	261	94.3	22000	0	15000	C	0
DIBENZO(A,H)ANTHRACENE	26/195	11		820		D-SB-778-13	1.5	4200	82.1	41.2	22	18	15	C	20
FLUORANTHENE	31/102	9.9		7100		D-SB-772-15	3.7	440	576	192	310000	0	230000	N	0
FLUORENE	13/102	13		950		D-SB-772-15	3.7	4200	146	75.8	310000	0	230000	N	0
INDENO(1,2,3-CD)PYRENE	65/195	7.7		2700		D-SB-778-13	1.7	4200	169	86.5	220	12	150	C	17
NAPHTHALENE	15/102	11		990		D-SB-772-15	3.7	4200	135	77.0	160000	0	3600	C	0
PHENANTHRENE	20/102	8.3		5600		D-SB-772-15	3.7	4200	526	160	2300000	0	170000	N[9]	0
PYRENE	32/102	12		5200		D-SB-772-15	3.7	440	676	229	230000	0	170000	N	0

Table 4-3

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
Inorganics (mg/kg)															
ANTIMONY	25/52	0.051	J	0.83	J	D-SB-792-13	0.027	2.9	0.31	0.33	3.1	0	3.1	N	0
ARSENIC	52/56	0.43	J	8.2	L	D-SB-791-15	0.52	2	3.4	3.2	0.43	51	0.39	C	52
BARIUM	46/46	4.4	J	25.2		D-SB-788-11	--	--	13.6	13.6	1600	0	1500	N	0
BERYLLIUM	44/56	0.3	J	10.5		D-SB-789-13	0.057	3.1	2.7	2.4	16	0	16	N	0
CADMIUM	14/56	0.023	J	0.12	K	D-SB-785-13	0.0092	3.1	0.06	0.27	3.9	0	7	N	0
CHROMIUM	54/56	2.1	J	56.1		D-SB-791-15	2.8	2.8	20.5	19.8	12000 [11]	0	12000	N[11]	0
COBALT	46/46	1.5		21.3		D-SB-789-13	--	--	8.5	8.5	NC	NC	2.3	N	43
COPPER	55/56	3		56.2		D-SB-785-13	2.8	2.8	17.5	17.2	310	0	310	N	0
IRON	45/45	462	J	134000		D-SB-792-13	--	--	28870	28870	5500	39	5500	N	39
LEAD	50/56	1.3		20	J	SB-58-15	2.6	3	6.6	6.0	400	0	400		0
Inorganics (continued) (mg/kg)															
MANGANESE	45/45	1.6		341		D-SB-789-13			43.2	43.2	160	1	180	N	1
MERCURY	1/56	0.059	J	0.059	J	D-SB-785-13	0.002	0.12	0.06	0.02	2.3 [12]	0	2.3	N[13]	0
MOLYBDENUM	38/46	0.078	J	1.5		D-SB-791-15, D-SB-792-13	0.072	0.6	0.51	0.43	NC	NC	39	N	0
NICKEL	54/56	2.5	J	54.1		D-SB-789-13	2.6	2.8	19.6	18.9	160	0	150	N	0
SELENIUM	46/56	0.57	J	5		SB-248-15	2.5	3.1	1.8	1.7	39	0	39	N	0
SILVER	6/47	0.026	J	0.082	J	D-SB-782-13	0.018	2.8	0.04	0.04	39	0	39	N	0
THALLIUM	21/56	0.037	J	0.15	J	D-SB-788-11	0.041	2.4	0.09	0.26	0.55	0	NC		NC
VANADIUM	46/46	1.6		111		D-SB-792-13	--	--	35.8	35.8	7.8	40	39	N[14]	18
ZINC	48/56	3.4	J	114		D-SB-785-13	26	30	37.0	33.7	2300	0	2300	N	0
Petroleum Hydrocarbons (ug/kg)															
DIESEL RANGE ORGANICS	15/55	3400	J	17000		D-SB-785-13	3100	13000	5660	3588	230000	0	NC		NC
GASOLINE RANGE ORGANICS	1/55	79	J	79	J	D-SB-786-13	52	130	79.0	34.2	230000	0	NC		NC
Miscellaneous Parameters (mg/kg)															
HEXAVALENT CHROMIUM	19/46	0.31	J	0.88	J	D-SB-785-11	0.3	0.35	0.54	0.32	23	0	0.29	C	19
TOTAL ORGANIC CARBON	1/1	319	J	319	J	MRC-MW40[1214]	--	--	319	319	NC	NC	NC		NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
6 - The value is for xylenes.
7 - The value is for xylene, mixture.
8 - The value for acenaphthene is used as a surrogate for acenaphthylene.
9 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
11 - The value is for trivalent chromium.
12 - The value is for mercury (inorganic/mercuric dichloride).
13 - The value is for mercuric chloride.
14 - The value is for vanadium and compounds.
15 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

TABLE 4-4

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
BLOCK D
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Construction Worker	Surface Soil	Incidental Ingestion	2E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.2	--
		Dermal Contact	5E-07	--	--	--	0.01	--
		Inhalation	4E-07	--	--	--	0.6	--
		Total	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.9	--
	Subsurface Soil	Incidental Ingestion	9E-07	--	--	--	0.3	--
		Dermal Contact	2E-07	--	--	--	0.01	--
		Inhalation	6E-07	--	--	--	0.6	--
		Total	2E-06	--	--	--	1	--
Industrial Worker	Surface Soil	Incidental Ingestion	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.04	--
		Dermal Contact	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	5E-09	--	--	--	0.0003	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.05	--
	Subsurface Soil	Incidental Ingestion	2E-06	--	--	--	0.05	--
		Dermal Contact	3E-06	--	--	--	0.01	--
		Inhalation	2E-07	--	--	--	0.005	--
		Total	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.07	--
Child Commercial Receptor	Surface Soil	Incidental Ingestion	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.4	--
		Dermal Contact	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.02	--
		Inhalation	8E-10	--	--	--	0.00007	--
		Total	8E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	0.4	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.5	--
		Dermal Contact	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.02	--
		Inhalation	1E-08	--	--	--	0.001	--
		Total	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.5	--

TABLE 4-4

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
BLOCK D
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adolescent Commercial Receptor	Surface Soil	Incidental Ingestion	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.07	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	1E-09	--	--	--	0.00007	--
		Total	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.08	--
	Subsurface Soil	Incidental Ingestion	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.1	--
		Dermal Contact	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	2E-08	--	--	--	0.001	--
		Total	7E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.1	--
Lifelong Commercial Receptor (Child + Adolescent)	Surface Soil	Incidental Ingestion	8E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	NA	--
		Dermal Contact	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	2E-09	--	--	--	NA	--
		Total	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	8E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	4E-08	--	--	--	NA	--
		Total	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
Adult Commercial Receptor	Surface Soil	Incidental Ingestion	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.04	--
		Dermal Contact	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	5E-09	--	--	--	0.0003	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.05	--
	Subsurface Soil	Incidental Ingestion	2E-06	--	--	--	0.05	--
		Dermal Contact	3E-06	--	--	--	0.01	--
		Inhalation	2E-07	--	--	--	0.005	--
		Total	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.07	--

TABLE 4-4

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
BLOCK D
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Child Recreational User	Surface Soil	Incidental Ingestion	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	0.7	--
		Dermal Contact	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.04	--
		Inhalation	3E-09	--	--	--	0.0003	--
		Total	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.8	--
	Subsurface Soil	Incidental Ingestion	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	1.0	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	0.04	--
		Inhalation	5E-08	--	--	--	0.005	--
		Total	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	1	--
Adolescent Recreational User	Surface Soil	Incidental Ingestion	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.1	--
		Dermal Contact	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.008	--
		Inhalation	4E-09	--	--	--	0.0003	--
		Total	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.1	--
	Subsurface Soil	Incidental Ingestion	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.2	--
		Dermal Contact	2E-06	--	--	--	0.009	--
		Inhalation	9E-08	--	--	--	0.005	--
		Total	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.2	--
Adult Recreational User	Surface Soil	Incidental Ingestion	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.08	--
		Dermal Contact	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.006	--
		Inhalation	2E-09	--	--	--	0.0003	--
		Total	8E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.08	--
	Subsurface Soil	Incidental Ingestion	2E-06	--	--	--	0.1	--
		Dermal Contact	8E-07	--	--	--	0.007	--
		Inhalation	9E-08	--	--	--	0.005	--
		Total	3E-06	--	--	--	0.1	--

TABLE 4-4

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
BLOCK D
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks $> 10^{-4}$	Chemicals with Cancer Risks $> 10^{-5}$ and $\leq 10^{-4}$	Chemicals with Cancer Risks $> 10^{-6}$ and $\leq 10^{-5}$	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Lifelong Recreational User (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	2E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	9E-09	--	--	--	NA	--
		Total	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	2E-07	--	--	--	NA	--
		Total	5E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
Child Resident	Surface Soil	Incidental Ingestion	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	1	--
		Dermal Contact	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.05	--
		Inhalation	1E-08	--	--	--	0.001	--
		Total	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	1	--
	Subsurface Soil	Incidental Ingestion	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	1	--
		Dermal Contact	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	0.06	--
		Inhalation	2E-07	--	--	--	0.02	--
		Total	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	1	--
Adolescent Resident	Surface Soil	Incidental Ingestion	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.2	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	2E-08	--	--	--	0.001	--
		Total	5E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.2	--
	Subsurface Soil	Incidental Ingestion	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.3	--
		Dermal Contact	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	4E-07	--	--	--	0.02	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.3	--

TABLE 4-4

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
BLOCK D
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks $> 10^{-4}$	Chemicals with Cancer Risks $> 10^{-5}$ and $\leq 10^{-4}$	Chemicals with Cancer Risks $> 10^{-6}$ and $\leq 10^{-5}$	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adult Resident	Surface Soil	Incidental Ingestion	8E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.1	--
		Dermal Contact	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.008	--
		Inhalation	1E-08	--	--	--	0.001	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.1	--
	Subsurface Soil	Incidental Ingestion	3E-06	--	--	ARSENIC	0.1	--
		Dermal Contact	1E-06	--	--	--	0.009	--
		Inhalation	4E-07	--	--	--	0.02	--
		Total	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.2	--
Lifelong Resident (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	8E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	4E-08	--	--	--	NA	--
		Total	3E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	5E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	9E-07	--	--	--	NA	--
		Total	7E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--

Note: See Section 3 for benzo(a)pyrene equivalents calculation methodology.

Table 4-5

Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																			
1,2,3-TRICHLOROBENZENE	8/42	11	J	43000	J	E-SB-833K-02	0.29	6.5	10353	1974	NC	NC	4900	N	2	NC	NC	1740	2
1,2,3-TRIMETHYLBENZENE	2/34	0.2	J	0.35	J	SB-503-0001-AVG, SB-503-0001	0.13	7.1	0.28	1.9	NC	NC	NC		NC	NC	NC	NC	NC
1,2,4-TRICHLOROBENZENE	8/42	47	J	210000		E-SB-833K-02	0.22	6.5	49173	9368	78000	2	6200	N[6]	2	2400	2	136	7
1,2-DICHLOROBENZENE	4/42	3.4	J	970	J	E-SB-833E-02	0.27	360	255	30.7	700000	0	190000	N	0	4600	0	7200	0
1,3-DICHLOROBENZENE	4/42	0.33	J	1100	J	E-SB-833K-02	0.27	190	283	31.4	23000	0	NC		NC	290	1	NC	NC
1,4-DICHLOROBENZENE	7/42	1.3	J	2700	J	E-SB-833K-02	0.5	6.5	615	105	27000	0	2400	C	1	4.2	6	8.2	6
2-BUTANONE	4/42	2.7	J	88	J	E-SB-833J-02	1.1	1800	25.0	53.0	4700000	0	2800000	N	0	29000	0	30000	0
ACETONE	11/42	7.3	J	230	J	E-SB-833F-02	4.8	9800	41.3	221	7000000	0	6100000	N	0	22000	0	90000	0
CARBON DISULFIDE	3/42	0.66	J	0.95	J	SB-506-0001-AVG, SB-506-0001	0.33	500	0.81	13.9	780000	0	82000	N	0	19000	0	6200	0
CHLOROBENZENE	1/42	12		12		E-SB-833G-02	0.25	270	12.0	8.8	160000	0	29000	N	0	680	0	1240	0
METHYLENE CHLORIDE	8/42	8	J	88	J	E-SB-833F-02	0.51	3200	18.3	81.1	85000	0	11000	C	0	19	1	24	1
NAPHTHALENE	1/42	58		58		SB-4A-SS	0.14	280	58.0	9.9	160000	0	3600	C	0	150	0	9.4	1
O-XYLENE	1/42	0.43	J	0.43	J	SB-503-0001-AVG, SB-503-0001	0.27	360	0.43	10.6	1600000 [7]	0	380000	N	0	3000 [7]	0	24000	0
TERTIARY-BUTYL ALCOHOL	2/2	390	J	620	J	E-SB-833L-02			505	505	NC	NC	NC		NC	NC	NC	NC	NC
TETRACHLOROETHENE	1/42	1.8	J	1.8	J	E-SB-833N-02	0.4	500	1.8	14.1	1200	0	550	C	0	4.7	0	0.98	1
TOLUENE	3/42	0.31	J	0.46	J	SB-503-0001, SB-503-0001-AVG	0.21	710	0.38	19.0	630000	0	500000	N	0	27000	0	32000	0
TOTAL XYLENES	2/34	1.1	J	1.2	J	SB-500-0001	0.51	340	1.2	13.6	1600000 [7]	0	63000	N	0	3000 [7]	0	4000	0
Semivolatile Organics (ug/kg)																			
2-NITROANILINE	1/29	44	J	44	J	SB-6A-SS	720	15000	44.0	939	NC	NC	61000	N	0	NC	NC	3000	0
BIS(2-ETHYLHEXYL)PHTHALATE	7/29	24	J	93	J	SB-505-0001	360	7600	46.1	367	46000	0	35000	C	0	2900000	0	22000	0
BUTYL BENZYL PHTHALATE	2/29	78	J	120	J	SB-507-0001	360	7600	99.0	443	NC	NC	260000	C	0	NC	NC	10200	0
CAPROLACTAM	1/29	140	J	140	J	SB-1A-SS	360	7600	140	448	NC	NC	3100000	N	0	NC	NC	90000	0
CARBAZOLE	5/29	27	J	430	J	SB-503-0001	360	7600	97.2	383	32000	0	NC		NC	470	0	NC	NC
DI-N-BUTYL PHTHALATE	1/29	28	J	28	J	SB-505-0001	360	7600	28.0	444	780000	0	610000	N	0	5000000	0	184000	0
DIBENZOFURAN	2/29	34	J	250	J	SB-4A-SS	360	7600	142	399	7800	0	7800	N	0	NC	NC	13600	0
PAHs (ug/kg)																			
2-METHYLNAPHTHALENE	4/42	9.8	J	190	J	SB-503-0001	3.7	7600	45.5	267	31000	0	31000	N	0	4400	0	15000	0
ACENAPHTHENE	7/42	7.5	J	470	J	SB-503-0001	3.7	7600	94.9	267	470000	0	340000	N	0	100000	0	440000	0
ACENAPHTHYLENE	4/42	13	J	330	J	SB-503-0001	3.7	7600	73.3	248	470000	0	340000	N[8]	0	100000	0	440000 [8]	0
ANTHRACENE	9/42	16	J	1500	J	SB-503-0001	3.7	7600	217	269	2300000	0	1700000	N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[17]	19/42	7.0		10999		SB-503-0001	3.7	3600	1223	649	22	18	15		18	NC	NC	70	18
BAP EQUIVALENT-POSITIVE RESULTS[17]	19/42	1.2		10999		SB-503-0001	3.7	3600	874	491	22	14	15	C	16	120	10	70	11
BENZO(A)ANTHRACENE	17/42	12	J	7300		SB-503-0001	3.7	3600	679	380	220	8	150	C	9	480	5	200	8
BENZO(A)PYRENE	16/42	14	J	7600		SB-503-0001	3.7	3600	715	377	22	13	15	C	14	120	8	70	10
BENZO(B)FLUORANTHENE	19/42	12	J	8100		SB-503-0001	3.7	3600	745	433	220	7	150	C	9	1500	3	700	5
BENZO(G,H,I)PERYLENE	15/42	8	J	5000	J	SB-503-0001	3.7	7600	487	370	230000	0	170000	N[9]	0	680000	0	2400000 [9]	0
BENZO(K)FLUORANTHENE	12/42	8.7	J	3100	J	SB-503-0001	3.7	7600	484	348	2200	0	1500	C	2	15000	0	7000	0
C1-CHRYSENES/BENZO(A)ANTHRACENES	2/7	120	J	170	J	E-SB-828-SS	75	85	145	69.9	NC	NC	NC		NC	NC	NC	NC	NC
C1-FLUORANTHENES/PYRENES	2/7	85	J	150	J	E-SB-835-SS	75	85	118	62.0	NC	NC	NC		NC	NC	NC	NC	NC
C1-PHENANTHRENES/ANTHRACENES	1/7	88	J	88	J	E-SB-835-SS	75	85	88.0	46.5	NC	NC	NC		NC	NC	NC	NC	NC
C2-CHRYSENES/BENZO(A)ANTHRACENES	1/7	260	J	260	J	E-SB-828-SS	75	85	260	71.3	NC	NC	NC		NC	NC	NC	NC	NC
C2-PHENANTHRENES/ANTHRACENES	2/7	86	J	96	J	E-SB-833-SS	75	81	91.0	54.1	NC	NC	NC		NC	NC	NC	NC	NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	1/7	200	J	200	J	E-SB-828-SS	75	85	200	62.7	NC	NC	NC		NC	NC	NC	NC	NC
C3-PHENANTHRENES/ANTHRACENES	1/7	160	J	160	J	E-SB-828-SS	75	85	160	57.0	NC	NC	NC		NC	NC	NC	NC	NC
C4-CHRYSENES/BENZO(A)ANTHRACENES	1/7	170	J	170	J	E-SB-828-SS	75	85	170	58.4	NC	NC	NC		NC	NC	NC	NC	NC
C4-PHENANTHRENES/ANTHRACENES	1/7	110	J	110	J	E-SB-828-SS	75	85	110	49.9	NC	NC	NC		NC	NC	NC	NC	NC
CHRYSENE	17/42	13	J	7700		SB-503-0001	1.2	3600	665	373	22000	0	15000	C	0	48000	0	22000	0
DIBENZO(A,H)ANTHRACENE	7/42	14	J	1400	J	SB-503-0001	3.7	7600	270	277	22	6	15	C	6	460	2	220	2
FLUORANTHENE	21/42	9.5	J	14000		SB-503-0001	3.7	400	1087	599	310000	0	230000	N	0	6300000	0	3200000	0
FLUORENE	6/42	8.8		580	J	SB-503-0001	3.7	7600	94.4	269	310000	0	230000	N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	14/42	9.2	J	4200	J	SB-503-0001	3.7	7600	464	355	220	6	150	C	6	4200	0	2400	0
NAPHTHALENE	8/42	10	J	410		E-SB-833A-02	3.7	7600	92.8	279	160000	0	3600	C	0	150	1	9.4	8
PHENANTHRENE	16/42	9.4	J	5600	J	SB-503-0001	3.7	3600	536	309	2300000	0	170000	N[9]	0	470000	0	2400000 [9]	0
PYRENE	20/42	13	J	16000		SB-503-0001	3.7	400	1068	569	230000	0	170000	N	0	680000	0	2400000	0
Pesticides/PCBs (ug/kg)																			
AROCLOR-1242	2/220	32	J	58		SB-235-SS	14	740000	45.0	3526	320	0	220	C	0	NC	NC	106	0
AROCLOR-1254	3/220	51		36000		SB-555-SS0-0.5	17	740000	13617	3746	320	2	110	N[6]	2	1100	2	176	2

Table 4-5

Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
AROCLOR-1260	129/220	4.3	J	1800000		SB-353-0001	17	290	58917	34555	320	75	220	C	77	NC	NC	480	73
TOTAL AROCLOR	130/220	4.3		1800000		SB-353-0001	0	0	58779	34733	320 [10]	75	220	C[11]	77	410 [10]	73	NC	NC
Inorganics (mg/kg)																			
ANTIMONY	15/29	0.031	L	2.2	J	SB-503-0001	0.059	2.9	0.33	0.56	3.1	0	3.1	N	0	13	0	13.2	0
ARSENIC	29/29	0.52	J	9.6	J	SB-510-0001	--	--	1.8	1.8	0.43	29	0.39	C	29	0.026	29	0.026	29
BARIUM	21/21	9		153		SB-504-0001	--	--	32.2	32.2	1600	0	1500	N	0	6000	0	6000	0
BERYLLIUM	21/29	0.12		2		SB-507-0001	2.4	2.9	0.80	0.95	16	0	16	N	0	1200	0	1160	0
CADMIUM	20/29	0.0125		6.4		SB-505-0001	0.012	2.9	0.53	0.74	3.9	1	7	N	0	27	0	28	0
CHROMIUM	29/29	6.3	J	83.7	J	SB-505-0001	--	--	15.2	15.2	12000 [12]	0	12000	N[12]	0	2000000000 [12]	0	1980000000 [12]	0
COBALT	21/21	2.1		27.2		SB-508-0001	--	--	5.9	5.9	NC	NC	2.3	N	19	NC	NC	9.8	3
COPPER	29/29	3.8	J	27.9	J	SB-510-0001	--	--	11.9	11.9	310	0	310	N	0	11000	0	1020	0
IRON	21/21	5610		29900		SB-518-0001	--	--	15185	15185	5500	21	5500	N	21	NC	NC	12800	15
LEAD	27/29	2	J	278	J	SB-505-0001	2.8	2.9	23.0	21.6	400	0	400		0	NC	NC	280 [13]	0
MANGANESE	21/21	11.2		1370	J	SB-503-0001	--	--	118	118	160	2	180	N	2	950	0	1140	0
MERCURY	8/29	0.061		0.41		SB-504-0001	0.019	0.12	0.18	0.07	2.3 [14]	0	2.3	N[15]	0	NC	NC	NC	NC
MOLYBDENUM	4/21	0.3775		3.2	J	SB-510-0001	0.077	0.78	1.4	0.36	NC	NC	39	N	0	NC	NC	74	0
Inorganics (mg/kg) (continued)																			
NICKEL	29/29	3.2	J	20		SB-3A-SS			9.5	9.5	160	0	150	N	0	NC	NC	960	0
SELENIUM	12/29	0.24		1.1	L	SB-511-0001	0.18	2.9	0.45	0.59	39	0	39	N	0	19	0	19	0
SILVER	21/27	0.031		0.38		SB-505-0001	0.035	2.9	0.11	0.38	39	0	39	N	0	31	0	32	0
THALLIUM	11/29	0.026	K	0.38		SB-504-0001	0.02	2.3	0.09	0.34	0.55	0	NC		0	3.6	0	NC	NC
VANADIUM	21/21	8.5	J	60.7	J	SB-505-0001	--	--	19.3	19.3	7.8	21	39	N[16]	2	730	0	3600	0
ZINC	22/29	11.1		302		SB-505-0001	25	29	52.5	43.2	2300	0	2300	N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																			
DIESEL RANGE ORGANICS	6/12	13000		8900000	J	E-SB-833A-02	11000	12000	1905500	955542	230000	4	NC		0	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	5/13	64	J	1400		E-SB-833K-02	55	120	581	254	230000	0	NC		0	NC	NC	NC	NC
TPH (C10-C32)	13/21	2200	J	650000		SB-503-0001	610	22000	65277	42062	NC	NC	NC		0	NC	NC	NC	NC
Miscellaneous Parameters (%)																			
PERCENT SOLIDS	166/166	46.1		97		SB-569-SS0.5-1	--	--	85.4	85.4	NC	NC	NC		0	NC	NC	NC	NC
Radionuclides (pci/g)																			
ACTINIUM-228	1/3	1.02		1.02		SB-42S-SS	0.03	0.15	1.0	0.37	--	--	--		--	--	--	--	--
BISMUTH-212	1/3	2.3		2.3		SB-42S-SS	0.1	0.1	2.3	0.80	--	--	--		--	--	--	--	--
BISMUTH-214	1/3	0.67	J	0.67	J	SB-42S-SS	0.1	0.38	0.67	0.30	--	--	--		--	--	--	--	--
CESIUM-137	1/3	0.145		0.145		SB-41S-SS	-0.048	0.08	0.15	0.05	--	--	--		--	--	--	--	--
LEAD-212	2/3	0.3		1.2		SB-42S-SS	0.3	0.3	0.75	0.55	--	--	--		--	--	--	--	--
LEAD-214	2/3	0.42	J	1.09	J	SB-42S-SS	0.25	0.25	0.76	0.55	--	--	--		--	--	--	--	--
POTASSIUM-40	3/3	3.4		9.2		SB-42S-SS	--	--	5.7	5.7	--	--	--		--	--	--	--	--
RADIUM-226	1/3	1.22	J	1.22	J	SB-42S-SS	0.32	0.51	1.2	0.55	--	--	--		--	--	--	--	--
THALLIUM-208	1/3	0.39		0.39		SB-42S-SS	0.075	0.1	0.39	0.16	--	--	--		--	--	--	--	--

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
7 - The value is for xylenes.
8 - The value for acenaphthene is used as a surrogate for acenaphthylene.
9 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
10 - The value is for PCB (total).
11 - The value is for polychlorinated biphenyls (high risk).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - The value is for mercury (inorganic/mercuric dichloride).
15 - The value is for mercuric chloride.
16 - The value is for vanadium and compounds.
17 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-6

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																
1,1-DICHLOROETHANE	3/100	0.48 J	0.69 J	SB-515-0406	0.26	44000	0.62	273	1600000	0	3300 C	0	5100	0	13.8	0
1,1-DICHLOROETHANE	3/100	0.48 J	0.69 J	SB-515-0810	0.26	44000	0.62	273	1600000	0	3300 C	0	5100	0	13.8	0
1,2,3-TRICHLOROBENZENE	32/100	0.6 J	2200000	E-SB-833-09	0.28	11	80223	25673	NC	NC	4900 N	10	NC	NC	1740	11
1,2,3-TRIMETHYLBENZENE	8/86	0.35 J	49 J	E-SB-833L-04	0.12	2900	23.1	26.5	NC	NC	NC	NC	NC	NC	NC	NC
1,2,4-TRICHLOROBENZENE	32/100	5.9 J	9600000	E-SB-833-09	0.23	52	364319	116584	78000	7	6200 N[6]	10	2400	13	136	22
1,2,4-TRIMETHYLBENZENE	1/100	4.4 J	4.4 J	SB-500-0406	0.47	13000	4.4	93.9	NC	NC	6200 N	0	NC	NC	420	0
1,2-DICHLOROBENZENE	25/100	0.39 J	120000 J	E-SB-833-09	0.26	290	5460	1369	700000	0	190000 N	0	4600	2	7200	1
1,2-DICHLOROETHANE	2/100	1.5 J	51 J	E-SB-833K-10	0.25	26000	26.3	169	7000	0	430 C	0	1	2	0.84	2
1,3-DICHLOROBENZENE	14/100	0.39 J	38000 J	E-SB-833A-10	0.25	12000	5795	894	23000	2	NC	NC	290	4	NC	NC
1,4-DICHLOROBENZENE	28/100	1.6 J	130000 J	E-SB-833-09	0.48	290	6806	1909	27000	2	2400 C	6	4.2	27	8.2	26
2-BUTANONE	8/100	1.5 J	110 J	E-SB-833L-06	1	110000	25.8	679	4700000	0	2800000 N	0	29000	0	30000	0
4-ISOPROPYLTOLUENE	2/100	1.6 J	9	SB-504-0406	0.15	12000	5.3	88.7	NC	NC	NC	NC	NC	NC	NC	NC
ACETONE	42/100	7 J	16000 J	E-SB-833E-06	4.8	800000	430	4537	7000000	0	6100000 N	0	22000	0	90000	0
BENZENE	6/116	0.33 J	6	SB-21-10	0.17	31000	1.4	171	12000	0	1100 C	0	1.9	1	4.2	1
CARBON DISULFIDE	3/100	1.2 J	4.2 J	SB-506-0810	0.32	31000	2.6	198	780000	0	82000 N	0	19000	0	6200	0
CARBON TETRACHLORIDE	1/100	0.88 J	0.88 J	E-SB-833G-08	0.27	16000	0.88	112	4900	0	610 C	0	2.1	0	3.4	0
CHLOROBENZENE	12/100	1.8 J	4000 J	E-SB-833L-08	0.24	16000	523	170	160000	0	29000 N	0	680	2	1240	2
CIS-1,2-DICHLOROETHENE	4/100	0.37 J	9.7	SB-515-0406	0.26	18000	4.2	123	78000	0	16000 N	0	NC	NC	420	0
ISOPROPYLBENZENE	1/100	0.82 J	0.82 J	SB-504-0406	0.12	17000	0.82	117	780000	0	210000 N	0	64000	0	22000	0
M+P-XYLENES	2/100	2.1 J	14 J	E-SB-833L-04	0.87	16000	8.1	131	1600000 [7]	0	63000 N[8]	0	3000 [7]	0	4000	0
METHYLENE CHLORIDE	14/100	7 J	4800 J	E-SB-833E-06	0.49	360000	359	2014	85000	0	11000 C	0	19	2	24	2
N-BUTYLBENZENE	1/100	2900 J	2900 J	E-SB-833A-06	0.17	21000	2900	168	NC	NC	NC	NC	NC	NC	NC	NC
NAPHTHALENE	2/116	2	110 J	SB-512-0810	0.14	140000	41.3	632	160000	0	3600 C	0	150	0	9.4	1
O-XYLENE	3/100	0.8 J	1.4 J	SB-504-0406	0.25	22000	1.2	147	1600000 [7]	0	380000 N	0	3000 [7]	0	24000	0
SEC-BUTYLBENZENE	1/100	380 J	380 J	E-SB-833A-06	0.13	12000	380	91.6	NC	NC	NC	NC	NC	NC	NC	NC
TERTIARY-BUTYL ALCOHOL	7/8	7 J	1200 J	E-SB-833L-04	7200000	7200000	411	450360	NC	NC	NC	NC	NC	NC	NC	NC
TETRACHLOROETHENE	4/100	0.49 J	2.6 J	E-SB-833G-08	0.38	31000	1.5	198	1200	0	550 C	0	4.7	0	0.98	2
TOLUENE	18/116	0.21 J	270 J	E-SB-833I-10	0.2	44000	19.8	238	630000	0	500000 N	0	27000	0	32000	0
TOTAL XYLENES	6/102	1.5 J	14 J	E-SB-833L-04	0.49	21000	5.7	155	1600000 [7]	0	63000 N	0	3000 [7]	0	4000	0
TRICHLOROETHENE	3/100	0.32 J	2.2 J	E-SB-833G-08	0.3	25000	1.0	163	1600	0	2800 C	0	0.26	3	14.4	0
TRICHLOROFLUOROMETHANE	1/100	29	29	SB-520-0810	0.25	41000	29.0	257	NC	NC	79000 N	0	NC	NC	16600	0
VINYL CHLORIDE	3/100	0.48 J	3.5 J	SB-515-0406	0.28	46000	1.5	285	90	0	60 C	0	0.12	3	0.112	3
Semivolatile Organics (ug/kg)																
BIS(2-ETHYLHEXYL)PHTHALATE	4/54	24 J	38 J	SB-504-0810	370	62000	29.8	802	46000	0	35000 C	0	2900000	0	22000	0
CARBAZOLE	2/54	22 J	370 J	SB-504-0406	370	88000	196	1045	32000	0	NC	NC	470	0	NC	NC
DIBENZOFURAN	2/54	91 J	260 J	SB-504-0406	370	11000	176	331	7800	0	7800 N	0	NC	NC	13600	0
PAHs (ug/kg)																
2-METHYLNAPHTHALENE	3/100	12 J	140 J	SB-504-0406	3.8	11000	71.7	180	31000	0	31000 N	0	4400	0	15000	0
ACENAPHTHENE	4/100	21 J	27000	E-SB-833-09	3.8	3800	6889	398	470000	0	340000 N	0	100000	0	440000	0
ACENAPHTHYLENE	1/100	18 J	18 J	SB-512-0810-AVG, SB-512-0810-D	3.8	11000	18.0	187	470000	0	340000 N[9]	0	100000	0	440000 [9]	0
ANTHRACENE	4/100	26 J	28000	E-SB-833-09	3.8	3800	7296	415	2300000	0	1700000 N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[18]	19/100	60.2	39347	E-SB-833-09	3.8	3800	2455	568	22	19	15	19	NC	NC	70	18
BAP EQUIVALENT-POSITIVE RESULTS[18]	19/100	0.052	33242	E-SB-833-09	3.8	3800	1937	469	22	12	15 C	13	120	7	70	8
BENZO(A)ANTHRACENE	13/100	8.6 J	35000	E-SB-833-09	3.8	3800	2908	486	220	2	150 C	5	480	2	200	3
BENZO(A)PYRENE	13/100	10 J	27000	E-SB-833-09	3.8	3800	2278	408	22	11	15 C	12	120	5	70	8
BENZO(B)FLUORANTHENE	17/100	9.8 J	27000	E-SB-833-09	3.8	3800	1790	408	220	4	150 C	6	1500	2	700	2
BENZO(G,H,I)PERYLENE	9/100	11 J	710 J	SB-504-0406	3.8	11000	125	179	230000	0	170000 N[10]	0	680000	0	2400000 [10]	0
BENZO(K)FLUORANTHENE	8/100	9.2 J	770 J	SB-504-0406	3.8	11000	128	178	2200	0	1500 C	0	15000	0	7000	0

Table 4-6

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
C1-CHRYSENES/BENZO(A)ANTHRACENES	1/7	490	J	490	J	E-SB-828-09	77	90	490	105	NC	NC	NC	NC	NC	NC	NC	NC
C1-FLUORANTHENES/PYRENES	1/7	370	J	370	J	E-SB-828-09	77	90	370	87.4	NC	NC	NC	NC	NC	NC	NC	NC
C1-FLUORENES	1/7	170	J	170	J	E-SB-828-09	77	90	170	58.9	NC	NC	NC	NC	NC	NC	NC	NC
C2-CHRYSENES/BENZO(A)ANTHRACENES	1/7	580	J	580	J	E-SB-828-09	77	90	580	117	NC	NC	NC	NC	NC	NC	NC	NC
C2-FLUORENES	1/7	330	J	330	J	E-SB-828-09	77	90	330	81.7	NC	NC	NC	NC	NC	NC	NC	NC
C2-PHENANTHRENES/ANTHRACENES	1/7	460	J	460	J	E-SB-828-09	77	90	460	100	NC	NC	NC	NC	NC	NC	NC	NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	1/7	430	J	430	J	E-SB-828-09	77	90	430	96.0	NC	NC	NC	NC	NC	NC	NC	NC
C3-FLUORENES	1/7	320	J	320	J	E-SB-828-09	77	90	320	80.3	NC	NC	NC	NC	NC	NC	NC	NC
C3-NAPHTHALENES	1/7	500	J	500	J	E-SB-828-09	77	90	500	106	NC	NC	NC	NC	NC	NC	NC	NC
C3-PHENANTHRENES/ANTHRACENES	1/7	620	J	620	J	E-SB-828-09	77	90	620	123	NC	NC	NC	NC	NC	NC	NC	NC
C4-CHRYSENES/BENZO(A)ANTHRACENES	1/7	350	J	350	J	E-SB-828-09	77	90	350	84.6	NC	NC	NC	NC	NC	NC	NC	NC
C4-NAPHTHALENES	1/7	2300	J	2300	J	E-SB-828-09	77	90	2300	363	NC	NC	NC	NC	NC	NC	NC	NC
C4-PHENANTHRENES/ANTHRACENES	1/7	660	J	660	J	E-SB-828-09	77	90	660	129	NC	NC	NC	NC	NC	NC	NC	NC
CHRYSENE	15/100	8.7	J	42000		E-SB-833-09	1.3	3800	2993	552	22000	1	15000 C	1	48000	0	22000	1
DIBENZO(A,H)ANTHRACENE	2/100	61	J	200	J	SB-504-0406	3.8	11000	131	182	22	2	15 C	2	460	0	220	0
FLUORANTHENE	20/100	9.2	J	81000		E-SB-833-09	3.8	3800	4463	998	310000	0	230000 N	0	6300000	0	3200000	0
FLUORENE	3/100	17	J	510	J	SB-504-0406	3.8	11000	182	183	310000	0	230000 N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	7/100	10	J	680	J	SB-504-0406	3.8	11000	128	179	220	1	150 C	1	4200	0	2400	0
NAPHTHALENE	14/100	17		460		E-SB-833A-10	3.8	11000	134	195	160000	0	3600 C	0	150	5	9.4	14
PHENANTHRENE	10/100	10	J	88000		E-SB-833-09	3.8	3800	9295	1044	2300000	0	170000 N[10]	0	470000	0	2400000 [10]	0
PAHs (ug/kg) (continued)																		
PYRENE	20/100	9.2	J	60000		E-SB-833-09	3.8	3800	3294	764	230000	0	170000 N	0	680000	0	2400000	0
TOTAL PAHS	33/100	9.2		415000		E-SB-833-09	0	0	13736	4533	NC	NC	NC	NC	NC	NC	NC	NC
Pesticides/PCBs (ug/kg)																		
AROCLOR-1254	3/255	27		9800		SB-555-4	17	1100000	3290	3683	320	1	110 N[6]	1	1100	1	176	1
AROCLOR-1260	93/255	15	J	2.4E+07		E-SB-833-09	17	300	319537	116546	320	38	220 C	45	NC	NC	480	31
TOTAL AROCLOR	95/255	8		2.4E+07		E-SB-833-09	0	0	312914	116576	320 [11]	38	220 C[12]	45	410 [11]	32	NC	NC
Inorganics (mg/kg)																		
ANTIMONY	17/54	0.056	L	0.26	J	SB-517-0406	0.0056	3.6	0.15	0.49	3.1	0	3.1 N	0	13	0	13.2	0
ARSENIC	54/54	0.22	L	5.5	L	SB-1-05	--	--	1.3	1.3	0.43	45	0.39 C	48	0.026	54	0.026	54
BARIUM	40/40	1.6		89.2		SB-504-0810	--	--	12.7	12.7	1600	0	1500 N	0	6000	0	6000	0
BERYLLIUM	40/54	0.076		4.4		SB-515-0810	0.015	3.5	1.2	1.3	16	0	16 N	0	1200	0	1160	0
CADMIUM	25/54	0.016	K	0.67		SB-504-0406	0.0037	3.6	0.09	0.46	3.9	0	7 N	0	27	0	28	0
CHROMIUM	45/54	1.5	J	27	J	SB-4-05	3.3	14	9.5	8.5	12000 [13]	0	12000 N[13]	0	2000000000 [13]	0	1980000000 [13]	0
COBALT	40/40	0.18		9.1		SB-514-0406	--	--	3.3	3.3	NC	NC	2.3 N	23	NC	NC	9.8	0
COPPER	49/54	1	J	45		SB-1-05	3.3	3.4	9.9	9.2	310	0	310 N	0	11000	0	1020	0
IRON	40/40	1290		51200		SB-514-0810	--	--	14125	14125	5500	34	5500 N	34	NC	NC	12800	20
LEAD	47/54	0.71	J	14.4	J	SB-504-0406	2.8	3.4	3.9	3.6	400	0	400	0	NC	NC	280 [14]	0
MANGANESE	40/40	2.2	L	280	L	SB-514-0406	--	--	57.9	57.9	160	4	180 N	3	950	0	1140	0
MERCURY	2/54	0.079		0.29		SB-504-0810	0.019	0.14	0.18	0.03	2.3 [15]	0	2.3 N[16]	0	NC	NC	NC	NC
MOLYBDENUM	1/40	1.3	J	1.3	J	SB-504-0810	0.076	0.42	1.3	0.11	NC	NC	39 N	0	NC	NC	74	0
NICKEL	48/54	0.76	J	30		SB-1-10	0.39	3.3	8.4	7.6	160	0	150 N	0	NC	NC	960	0
SELENIUM	23/54	0.2	L	3.6		SB-6-05	0.18	3.6	0.60	0.68	39	0	39 N	0	19	0	19	0
SILVER	32/41	0.03		0.16		SB-504-0406	0.0079	2.8	0.07	0.09	39	0	39 N	0	31	0	32	0
THALLIUM	13/54	0.021	K	0.21	K	SB-504-0810	0.0052	2.9	0.06	0.36	0.55	0	NC	NC	3.6	0	NC	NC
VANADIUM	40/40	2.2	J	21.1	J	SB-518-0406	--	--	12.4	12.4	7.8	29	39 N[17]	0	730	0	3600	0
ZINC	35/54	2.8		79		SB-1-05	5.2	35	25.6	20.6	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																		
DIESEL RANGE ORGANICS	11/41	7300	J	2.8E+07		E-SB-833-09	3300	29000	3046445	826079	230000	7	NC	NC	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	15/31	56	J	170000	J	E-SB-833A-10	55	280	21525	10446	230000	0	NC	NC	NC	NC	NC	NC
TPH (C10-C32)	10/39	640	J	48000		SB-502-0406	990	130000	18719	8653	NC	NC	NC	NC	NC	NC	NC	NC

Table 4-6

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Miscellaneous Parameters (%)																
PERCENT SOLIDS	128/128	70	94	SB-570A-10, SB-559-4	--	--	83.6	83.6	NC	NC	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (mg/kg)																
TOTAL ORGANIC CARBON	1/1	690 J	690 J	MRC-MW43[0910]	--	--	690	690	NC	NC	NC	NC	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
7 - The value is for xylenes.
8 - The value is for xylene, mixture.
9 - The value for acenaphthene is used as a surrogate for acenaphthylene.
10 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
11 - The value is for PCB (total).
12 - The value is for polychlorinated biphenyls (high risk).
13 - The value is for trivalent chromium.
14 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
15 - The value is for mercury (inorganic/mercuric dichloride).
16 - The value is for mercuric chloride.
17 - The value is for vanadium and compounds.
18 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-7

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
Volatile Organics (ug/kg)															
ACETONE	1/1	45	J	45	J	SB-503-1012	--	--	45.0	45.0	7000000	0	6100000	N	0
PAHs (ug/kg)															
C1-CHRYSENES/BENZO(A)ANTHRACENES	2/7	150	J	260	J	E-SB-828-15	79	88	205	88.2	NC	NC	NC		NC
C1-FLUORANTHENES/PYRENES	2/7	220	J	250	J	E-SB-833-11	79	88	235	96.8	NC	NC	NC		NC
C1-PHENANTHRENES/ANTHRACENES	1/7	120	J	120	J	E-SB-833-11	79	88	120	52.9	NC	NC	NC		NC
C2-CHRYSENES/BENZO(A)ANTHRACENES	1/7	350	J	350	J	E-SB-828-15	79	88	350	85.3	NC	NC	NC		NC
C2-FLUORENES	1/7	280	J	280	J	E-SB-828-15	79	88	280	75.3	NC	NC	NC		NC
C2-PHENANTHRENES/ANTHRACENES	1/7	230	J	230	J	E-SB-828-15	79	88	230	68.1	NC	NC	NC		NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	1/7	280	J	280	J	E-SB-828-15	79	88	280	75.3	NC	NC	NC		NC
C3-FLUORENES	1/7	230	J	230	J	E-SB-828-15	79	88	230	68.1	NC	NC	NC		NC
C3-NAPHTHALENES	1/7	310	J	310	J	E-SB-828-15	79	88	310	79.6	NC	NC	NC		NC
C3-PHENANTHRENES/ANTHRACENES	1/7	420	J	420	J	E-SB-828-15	79	88	420	95.3	NC	NC	NC		NC
C4-CHRYSENES/BENZO(A)ANTHRACENES	1/7	250	J	250	J	E-SB-828-15	79	88	250	71.0	NC	NC	NC		NC
C4-NAPHTHALENES	1/7	1600	J	1600	J	E-SB-828-15	79	88	1600	264	NC	NC	NC		NC
C4-PHENANTHRENES/ANTHRACENES	1/7	390	J	390	J	E-SB-828-15	79	88	390	91.0	NC	NC	NC		NC
Pesticides/PCBs (ug/kg)															
AROCLOR-1260	23/92	26	J	61000		E-SB-833-11	19	39	3478	877	320	6	220	C	8
TOTAL AROCLOR	23/92	26		61000		E-SB-833-11	0	0	3478	870	320[6]	6	220	C[7]	8
Inorganics (mg/kg)															
ANTIMONY	1/1	0.26	K	0.26	K	SB-503-1012	--	--	0.26	0.26	3.1	0	3.1	N	0
ARSENIC	1/1	1.7		1.7		SB-503-1012	--	--	1.7	1.7	0.43	1	0.39	C	1
BARIUM	1/1	12.8		12.8		SB-503-1012	--	--	12.8	12.8	1600	0	1500	N	0
BERYLLIUM	1/1	1.5		1.5		SB-503-1012	--	--	1.5	1.5	16	0	16	N	0
CADMIUM	1/1	0.043	K	0.043	K	SB-503-1012	--	--	0.04	0.04	3.9	0	7	N	0
CHROMIUM	1/1	14.1	J	14.1	J	SB-503-1012	--	--	14.1	14.1	12000[8]	0	12000	N[8]	0
COBALT	1/1	3.3		3.3		SB-503-1012	--	--	3.3	3.3	NC	NC	2.3	N	1
COPPER	1/1	12.4	J	12.4	J	SB-503-1012	--	--	12.4	12.4	310	0	310	N	0
IRON	1/1	34200		34200		SB-503-1012	--	--	34200	34200	5500	1	5500	N	1
LEAD	1/1	5.8	J	5.8	J	SB-503-1012	--	--	5.8	5.8	400	0	400		0
MANGANESE	1/1	69.9		69.9		SB-503-1012	--	--	69.9	69.9	160	0	180	N	0
NICKEL	1/1	12.1		12.1		SB-503-1012	--	--	12.1	12.1	160	0	150	N	0
SELENIUM	1/1	0.8		0.8		SB-503-1012	--	--	0.80	0.80	39	0	39	N	0
SILVER	1/1	0.1	K	0.1	K	SB-503-1012	--	--	0.10	0.10	39	0	39	N	0
THALLIUM	1/1	0.056	K	0.056	K	SB-503-1012	--	--	0.06	0.06	0.55	0	NC		NC

Table 4-7

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
VANADIUM	1/1	17.4 J	17.4 J	SB-503-1012	--	--	17.4	17.4	7.8	1	39 N[9]	0
ZINC	1/1	17.5	17.5	SB-503-1012	--	--	17.5	17.5	2300	0	2300 N	0
Petroleum Hydrocarbons (ug/kg)												
DIESEL RANGE ORGANICS	1/1	3800 J	3800 J	E-SB-828-11	--	--	3800	3800	230000	0	NC	NC
TPH (C10-C32)	1/1	1100 J	1100 J	SB-503-1012	--	--	1100	1100	NC	NC	NC	NC
Miscellaneous Parameters (%)												
PERCENT SOLIDS	5/5	84	89	SB-555A-12	--	--	85.7	85.7	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
6 - The value is for PCB (total).
7 - The value is for polychlorinated biphenyls (high risk).
8 - The value is for trivalent chromium.
9 - The value is for vanadium and compounds.

Definitions:
C = Carcinogen
J = Estimated value
K = Biased high
N = Noncarcinogen
NC = No criteria

TABLE 4-8

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK E
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks $> 10^{-4}$	Chemicals with Cancer Risks $> 10^{-5}$ and $\leq 10^{-4}$	Chemicals with Cancer Risks $> 10^{-6}$ and $\leq 10^{-5}$	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Construction Worker	Surface Soil	Incidental Ingestion	2E-05	--	--	AROCLOR-1254, AROCLOR-1260	9	AROCLOR-1254
		Dermal Contact	6E-06	--	--	AROCLOR-1260	2	AROCLOR-1254
		Inhalation	7E-07	--	--	--	1	--
		Total	3E-05	--	AROCLOR-1260	AROCLOR-1254	12	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	1E-04	--	AROCLOR-1260	--	3	AROCLOR-1254
		Dermal Contact	3E-05	--	AROCLOR-1260	--	0.7	--
		Inhalation	1E-06	--	--	--	0.4	--
		Total	1E-04	--	AROCLOR-1260	AROCLOR-1254	4	AROCLOR-1254
Industrial Worker	Surface Soil	Incidental Ingestion	5E-05	--	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.9	--
		Dermal Contact	1E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	2	AROCLOR-1254
		Inhalation	2E-08	--	--	--	0.2	--
		Total	2E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	3	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	3E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.4	--
		Dermal Contact	5E-04	AROCLOR-1260	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.5	--
		Inhalation	7E-07	--	--	--	1	--
		Total	7E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	Target Organs HI ≤ 1
Child Commercial Receptor	Surface Soil	Incidental Ingestion	1E-04	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254, AROCLOR-1260	--	9	AROCLOR-1254
		Dermal Contact	5E-05	--	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	3	AROCLOR-1254
		Inhalation	2E-09	--	--	--	0.06	--
		Total	2E-04	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254, AROCLOR-1260	HEXAVALENT CHROMIUM	12	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	6E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	1,2,4-TRICHLOROBENZENE, AROCLOR-1254	4	AROCLOR-1254
		Dermal Contact	2E-04	AROCLOR-1260	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.9	--
		Inhalation	4E-08	--	--	--	0.3	--
		Total	8E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	1,2,4-TRICHLOROBENZENE, AROCLOR-1254	5	AROCLOR-1254

TABLE 4-8

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK E
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adolescent Commercial Receptor	Surface Soil	Incidental Ingestion	5E-05	--	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	AROCLOR-1254
		Dermal Contact	6E-05	--	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	AROCLOR-1254
		Inhalation	3E-09	--	--	--	0.06	--
		Total	1E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	4	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	2E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.7	--
		Dermal Contact	3E-04	AROCLOR-1260	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.6	--
		Inhalation	8E-08	--	--	--	0.3	--
		Total	5E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	Target Organs HI ≤ 1
Lifelong Commercial Receptor (Child + Adolescent)	Surface Soil	Incidental Ingestion	2E-04	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254, AROCLOR-1260	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	1E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	6E-09	--	--	--	NA	--
		Total	3E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	9E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	1,2,4-TRICHLOROBENZENE, AROCLOR-1254	NA	--
		Dermal Contact	5E-04	AROCLOR-1260	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	NA	--
		Inhalation	1E-07	--	--	--	NA	--
		Total	1E-03	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1,2,4-TRICHLOROBENZENE	NA	--

TABLE 4-8

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK E
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adult Commercial Receptor	Surface Soil	Incidental Ingestion	5E-05	--	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.9	--
		Dermal Contact	1E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	2	AROCLOR-1254
		Inhalation	2E-08	--	--	--	0.2	--
		Total	2E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	3	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	3E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.4	--
		Dermal Contact	5E-04	AROCLOR-1260	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.5	--
		Inhalation	7E-07	--	--	--	1	--
		Total	7E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	Target Organs HI ≤ 1
Child Recreational User	Surface Soil	Incidental Ingestion	3E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1,2,4-TRICHLOROBENZENE, ARSENIC, HEXAVALENT CHROMIUM	17	AROCLOR-1254
		Dermal Contact	1E-04	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254, AROCLOR-1260	HEXAVALENT CHROMIUM	7	AROCLOR-1254
		Inhalation	8E-09	--	--	--	0.2	--
		Total	4E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1,2,4-TRICHLOROBENZENE, ARSENIC, HEXAVALENT CHROMIUM	24	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	1E-03	AROCLOR-1260	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC	7	1,2,3-TRICHLOROBENZENE, 1,2,4-TRICHLOROBENZENE, AROCLOR-1254
		Dermal Contact	5E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	AROCLOR-1254	2	AROCLOR-1254
		Inhalation	2E-07	--	--	--	1	--
		Total	2E-03	AROCLOR-1260	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC, HEXAVALENT CHROMIUM	11	1,2,3-TRICHLOROBENZENE, 1,2,4-TRICHLOROBENZENE, AROCLOR-1254

TABLE 4-8

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK E
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adolescent Recreational User	Surface Soil	Incidental Ingestion	1E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	3	AROCLOR-1254
		Dermal Contact	4E-05	--	AROCLOR-1260	AROCLOR-1254, BENZO(A)PYRENE EQUIVALENTS	1	--
		Inhalation	1E-08	--	--	--	0.2	--
		Total	1E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	5	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	4E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1	--
		Dermal Contact	2E-04	AROCLOR-1260	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.4	--
		Inhalation	3E-07	--	--	--	1	--
		Total	6E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	3	Target Organs HI ≤ 1
Adult Recreational User	Surface Soil	Incidental Ingestion	5E-05	--	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	AROCLOR-1254
		Dermal Contact	3E-05	--	AROCLOR-1260	AROCLOR-1254	1.0	--
		Inhalation	1E-08	--	--	--	0.2	--
		Total	8E-05	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	3	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	2E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.8	--
		Dermal Contact	1E-04	--	AROCLOR-1260	AROCLOR-1254	0.3	--
		Inhalation	3E-07	--	--	--	1	--
		Total	4E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	Target Organs HI ≤ 1

TABLE 4-8

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK E
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Lifelong Recreational User (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	4E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1,2,4-TRICHLOROBENZENE, ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	2E-04	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254, AROCLOR-1260	HEXAVALENT CHROMIUM	NA	--
		Inhalation	3E-08	--	--	--	NA	--
		Total	6E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1,2,4-TRICHLOROBENZENE, ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	2E-03	AROCLOR-1260	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC	NA	--
		Dermal Contact	8E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	1,2,4-TRICHLOROBENZENE, AROCLOR-1254	NA	--
		Inhalation	8E-07	--	--	--	NA	--
		Total	3E-03	AROCLOR-1260	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC, HEXAVALENT CHROMIUM	NA	--
Child Resident	Surface Soil	Incidental Ingestion	4E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1,2,4-TRICHLOROBENZENE, ARSENIC, HEXAVALENT CHROMIUM	24	AROCLOR-1254
		Dermal Contact	2E-04	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254, AROCLOR-1260	HEXAVALENT CHROMIUM	9	AROCLOR-1254
		Inhalation	3E-08	--	--	--	0.9	--
		Total	5E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1,2,4-TRICHLOROBENZENE, ARSENIC, HEXAVALENT CHROMIUM	34	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	2E-03	AROCLOR-1260	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC	10	1,2,3-TRICHLOROBENZENE, 1,2,4-TRICHLOROBENZENE, AROCLOR-1254
		Dermal Contact	6E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	1,2,4-TRICHLOROBENZENE, AROCLOR-1254, HEXAVALENT CHROMIUM	3	AROCLOR-1254
		Inhalation	7E-07	--	--	--	5	1,2,4-TRICHLOROBENZENE
		Total	2E-03	AROCLOR-1260	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC, HEXAVALENT CHROMIUM	18	1,2,3-TRICHLOROBENZENE, 1,2,4-TRICHLOROBENZENE, AROCLOR-1254

TABLE 4-8

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK E
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks $> 10^{-4}$	Chemicals with Cancer Risks $> 10^{-5}$ and $\leq 10^{-4}$	Chemicals with Cancer Risks $> 10^{-6}$ and $\leq 10^{-5}$	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adolescent Resident	Surface Soil	Incidental Ingestion	1E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	5	AROCLOR-1254
		Dermal Contact	6E-05	--	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	AROCLOR-1254
		Inhalation	5E-08	--	--	--	0.9	--
		Total	2E-04	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254, AROCLOR-1260	HEXAVALENT CHROMIUM	7	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	6E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	2	Target Organs HI ≤ 1
		Dermal Contact	3E-04	AROCLOR-1260	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.6	--
		Inhalation	1E-06	--	--	--	5	1,2,4-TRICHLOROBENZENE
		Total	9E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	1,2,4-TRICHLOROBENZENE, AROCLOR-1254	7	1,2,3-TRICHLOROBENZENE, 1,2,4-TRICHLOROBENZENE, AROCLOR-1254
Adult Resident	Surface Soil	Incidental Ingestion	7E-05	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	3	AROCLOR-1254
		Dermal Contact	4E-05	--	AROCLOR-1260	AROCLOR-1254	1	--
		Inhalation	4E-08	--	--	--	0.9	--
		Total	1E-04	--	AROCLOR-1254, AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	5	AROCLOR-1254
	Subsurface Soil	Incidental Ingestion	3E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1	--
		Dermal Contact	2E-04	AROCLOR-1260	--	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	0.4	--
		Inhalation	1E-06	--	--	--	5	1,2,4-TRICHLOROBENZENE
		Total	5E-04	AROCLOR-1260	--	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	6	1,2,4-TRICHLOROBENZENE

TABLE 4-8

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK E
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks $> 10^{-4}$	Chemicals with Cancer Risks $> 10^{-5}$ and $\leq 10^{-4}$	Chemicals with Cancer Risks $> 10^{-6}$ and $\leq 10^{-5}$	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Lifelong Resident (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	6E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	1,2,4-TRICHLOROBENZENE, ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	2E-04	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	HEXAVALENT CHROMIUM	NA	--
		Inhalation	4E-08	--	--	--	NA	--
		Total	8E-04	AROCLOR-1260, AROCLOR-1254	BENZO(A)PYRENE EQUIVALENTS	1,2,4-TRICHLOROBENZENE, ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	3E-03	AROCLOR-1260	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	1E-03	AROCLOR-1260	BENZO(A)PYRENE EQUIVALENTS	1,2,4-TRICHLOROBENZENE, AROCLOR-1254, HEXAVALENT CHROMIUM	NA	--
		Inhalation	3E-06	--	--	1,4-DICHLOROBENZENE	NA	--
		Total	4E-03	AROCLOR-1260	1,2,4-TRICHLOROBENZENE, BENZO(A)PYRENE EQUIVALENTS, AROCLOR-1254	ARSENIC, HEXAVALENT CHROMIUM, 1,4-DICHLOROBENZENE	NA	--

Note: See Section 3 for benzo(a)pyrene equivalents calculation methodology.

Table 4-9

Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																			
2-BUTANONE	2/13	2.87	J	3.14	J	SB-238-SS	53	82	3.0	26.2	4700000	0	2800000	N	0	29000	0	30000	0
ACETONE	3/13	27.2	J	89	J	SB-22A-SS	53	82	49.1	34.5	7000000	0	6100000	N	0	22000	0	90000	0
CARBON DISULFIDE	2/13	0.72	J	7.1		SB-238-SS	5	8	3.9	3.2	780000	0	82000	N	0	19000	0	6200	0
METHYLENE CHLORIDE	2/13	3.3	J	8	J	SB-96-SS	5	11	5.7	3.6	85000	0	11000	C	0	19	0	24	0
TOLUENE	2/13	1.2	J	1.9	J	SB-238-01	5	8	1.6	2.8	630000	0	500000	N	0	27000	0	32000	0
Semivolatile Organics (ug/kg)																			
BENZOIC ACID	7/14	152	J	925		SB-267-SS	740	16000	308	891	NC	NC	24000000	N	0	NC	NC	680000	0
BENZYL ALCOHOL	1/14	47.5	J	47.5	J	SB-269-02	369	8110	47.5	461	NC	NC	610000	N	0	NC	NC	17800	0
BIS(2-ETHYLHEXYL)PHTHALATE	1/25	40	J	40	J	SB-265-SS	77	4500	40.0	290	46000	0	35000	C	0	2900000	0	22000	0
BUTYL BENZYL PHTHALATE	1/25	25	J	25	J	SB-265-SS	188	4500	25.0	365	NC	NC	260000	C	0	NC	NC	10200	0
CARBAZOLE	9/25	32	J	4640		SB-268-SS	193	4500	657	488	32000	0	NC		NC	470	1	NC	NC
DI-N-BUTYL PHTHALATE	4/25	32	J	38	J	SB-266-SS	191	4500	36.0	358	780000	0	610000	N	0	5000000	0	184000	0
DI-N-OCTYL PHTHALATE	1/25	53	J	53	J	SB-95-SS	184	4500	53.0	361	NC	NC	NC		NC	NC	NC	NC	NC
DIBENZOFURAN	6/25	27	J	1650	J	SB-268-SS	110	4500	333	328	7800	0	7800	N	0	NC	NC	13600	0
DIMETHYL PHTHALATE	1/25	60	J	60	J	SB-23A-SS	350	8110	60.0	494	NC	NC	NC		NC	NC	NC	NC	NC
PHENOL	1/25	420		420		SB-23A-SS	350	8110	420	509	2300000	0	1800000	N	0	67000	0	126000	0
PAHs (ug/kg)																			
1-METHYLNAPHTHALENE	2/17	36.5	J	55		F-SB-797-SS	3.7	1670	45.8	83.1	NC	NC	22000	C	0	NC	NC	240	0
2-METHYLNAPHTHALENE	2/28	32	J	46		F-SB-797-SS	3.7	4500	39.0	260	31000	0	31000	N	0	4400	0	15000	0
ACENAPHTHENE	7/28	79	J	3620		SB-268-SS	3.7	4500	689	388	470000	0	340000	N	0	100000	0	440000	0
ACENAPHTHYLENE	3/28	44	J	135		SB-265-SS	3.7	4500	76.0	263	470000	0	340000	N[6]	0	100000	0	440000 [6]	0
ANTHRACENE	12/28	30	J	9420		SB-268-SS	3.7	4500	1100	680	2300000	0	1700000	N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[16]	85/109	1.7		50001		F-SB-95RE-1	1.4	560	2546	1996	22	74	15		76	NC	NC	70	64
BAP EQUIVALENT-POSITIVE RESULTS[16]	85/109	0.012		49963		F-SB-95RE-1	1.4	560	2487	1950	22	73	15	C	75	120	50	70	63
BENZO(A)ANTHRACENE	64/80	8.1		42000		F-SB-95RE-1	1	560	2263	1825	220	33	150	C	37	480	24	200	34
BENZO(A)PYRENE	82/109	3.1	J	38000		F-SB-95RE-1	1.4	560	1877	1424	22	71	15	C	73	120	46	70	56
BENZO(B)FLUORANTHENE	62/80	8.9		55000		F-SB-95RE-1	1.3	560	2864	2236	220	37	150	C	38	1500	16	700	24
BENZO(G,H,I)PERYLENE	17/28	48	J	13200	J	SB-268-SS	3.7	3600	1185	837	230000	0	170000	N[7]	0	680000	0	2400000 [7]	0
BENZO(K)FLUORANTHENE	55/80	8.4		23000		F-SB-95RE-1, SB-268-SS	1.6	560	1451	1012	2200	6	1500	C	11	15000	2	7000	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	1/1	3700	J	3700	J	F-SB-797-SS	--	--	3700	3700	NC	NC	NC		NC	NC	NC	NC	NC
C1-FLUORANTHENES/PYRENES	1/1	5800	J	5800	J	F-SB-797-SS	--	--	5800	5800	NC	NC	NC		NC	NC	NC	NC	NC
C1-PHENANTHRENES/ANTHRACENES	1/1	1600	J	1600	J	F-SB-797-SS	--	--	1600	1600	NC	NC	NC		NC	NC	NC	NC	NC
C2-CHRYSENES/BENZO(A)ANTHRACENES	1/1	1300	J	1300	J	F-SB-797-SS	--	--	1300	1300	NC	NC	NC		NC	NC	NC	NC	NC
C2-PHENANTHRENES/ANTHRACENES	1/1	950	J	950	J	F-SB-797-SS	--	--	950	950	NC	NC	NC		NC	NC	NC	NC	NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	1/1	470	J	470	J	F-SB-797-SS	--	--	470	470	NC	NC	NC		NC	NC	NC	NC	NC
CHRYSENE	64/80	8.1		33000		F-SB-95RE-1	0.97	560	2044	1649	22000	2	15000	C	2	48000	0	22000	2
DIBENZO(A,H)ANTHRACENE	44/80	2.8	J	5250		SB-268-SS	1.4	4500	386	286	22	39	15	C	41	460	8	220	12
FLUORANTHENE	23/28	11		63200		SB-268-SS	82	560	4258	3530	310000	0	230000	N	0	6300000	0	3200000	0
FLUORENE	8/28	32	J	3580		SB-268-SS	3.7	4500	602	387	310000	0	230000	N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	58/80	8.8		20000		F-SB-95RE-1	0.43	560	1268	940	220	28	150	C	30	4200	3	2400	7
NAPHTHALENE	3/28	36	J	140		F-SB-797-SS	3.7	4500	77.7	265	160000	0	3600	C	0	150	0	9.4	3
PHENANTHRENE	22/28	8		36100		SB-268-SS	3.7	560	2411	1927	2300000	0	170000	N[7]	0	470000	0	2400000 [7]	0
PYRENE	23/28	9.1		45200		SB-268-SS	380	560	3063	2555	230000	0	170000	N	0	680000	0	2400000	0
Pesticides/PCBs (ug/kg)																			
AROCLOR-1254	1/59	96		96		SB-267-SS	18	1300	96.0	51.8	320	0	110	N[8]	0	1100	0	176	0
AROCLOR-1260	12/59	22	J	1400		SB-94-SS	18	410	305	95.9	320	3	220	C	3	NC	NC	480	3
TOTAL AROCLOR	12/59	22		1400		SB-94-SS	0	0	313	63.7	320 [9]	3	220	C[10]	3	410 [9]	3	NC	NC
Inorganics (mg/kg)																			
ANTIMONY	19/25	0.4	L	4	L	SB-237-01	0.3	3	1.1	1.1	3.1	1	3.1	N	1	13	0	13.2	0
ARSENIC	22/32	0.6		6		SB-269-SS	1	3	3.1	2.6	0.43	22	0.39	C	22	0.026	22	0.026	22
BARIUM	20/20	27		207		SB-268-SS	--	--	58.6	58.6	1600	0	1500	N	0	6000	0	6000	0
BERYLLIUM	21/32	0.5		5		SB-25A-SS	2.4	4	1.2	1.3	16	0	16	N	0	1200	0	1160	0
CADMIUM	14/32	0.3		4.5	L	SB-94-SS	0.09	4	1.4	1.1	3.9	1	7	N	0	27	0	28	0
CHROMIUM	32/32	8.1		185		SB-237-01	--	--	27.0	27.0	12000 [11]	0	12000	N[11]	0	2000000000 [11]	0	1980000000 [11]	0
COBALT	20/20	2.8		11.7		SB-268-SS	--	--	6.1	6.1	NC	NC	2.3	N	20	NC	NC	9.8	1
COPPER	32/32	4		74		SB-55-SS	--	--	17.2	17.2	310	0	310	N	0	11000	0	1020	0

Table 4-9

Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
LEAD	25/32	3.2 L	447	SB-268-SS	3	8	74.6	58.9	400	2	400	2	NC	NC	280 [12]	2
MERCURY	39/47	0.01	2.7 L	F-SB-626-2	0.02	0.16	0.54	0.46	2.3 [13]	1	2.3 N[14]	1	NC	NC	NC	NC
MOLYBDENUM	1/20	63	63	SB-237-01	0.4	2	63.0	3.5	NC	NC	39 N	1	NC	NC	74	0
NICKEL	25/32	4.5 K	27	SB-25A-SS	5	9	12.1	10.2	160	0	150 N	0	NC	NC	960	0
SELENIUM	9/32	2	4	SB-237-01	2	4	2.8	1.7	39	0	39 N	0	19	0	19	0
SILVER	5/25	0.9	3.4	SB-23A-SS	0.04	3.2	1.6	0.57	39	0	39 N	0	31	0	32	0
VANADIUM	20/20	20.3	49	SB-238-SS	--	--	31.8	31.8	7.8	20	39 N[15]	4	730	0	3600	0
ZINC	27/32	20	289	SB-268-SS	26	40	78.8	68.9	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	5/13	13000	271000	SB-238-SS	10000	17000	111340	46592	230000	1	NC	NC	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	1/13	1200	1200	SB-25A-SS	13.1	10300	1200	536	230000	0	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (mg/kg)																
HEXAVALENT CHROMIUM	6/8	0.49	3.6	SB-268-SS, SB-265-SS	0.36	0.4	1.8	1.4	23	0	0.29 C	6	42	0	0.0166	6
Miscellaneous Parameters (ug/kg)																
MERCURY (METHYL)	4/4	0.071 J	1.467 J	SB-237-01	--	--	0.73	0.73	780	0	780 N	0	NC	NC	NC	NC
Miscellaneous Parameters (%)																
PERCENT SOLIDS	29/29	77.6	95.1	SB-397-0102	--	--	87.4	87.4	NC	NC	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (s.u)																
PH	4/4	8.1	8.4	SB-265-02	--	--	8.3	8.3	NC	NC	NC	NC	NC	NC	NC	NC

Notes:

1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
9 - The value is for PCB (total).
10 - The value is for polychlorinated biphenyls (high risk).
11 - The value is for trivalent chromium.
12 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
3 - The value is for mercury (inorganic/mercuric dichloride).
14 - The value is for mercuric chloride.
15 - The value is for vanadium and compounds.
16 - See Section 3 for BaP equivalent calculation methodology.

Definitions:

BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-10

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																			
1,2,4-TRIMETHYLBENZENE	1/36	658		658		SB-238-05	6	7	658	21.2	NC	NC	6200	N	0	NC	NC	420	1
1,3,5-TRIMETHYLBENZENE	1/26	139	J	139	J	SB-238-05	6	7	139	8.3	NC	NC	78000	N	0	NC	NC	10400	0
2-BUTANONE	2/26	6	J	9	J	SB-29-10	57	2590	7.5	76.8	4700000	0	2800000	N	0	29000	0	30000	0
4-ISOPROPYLTOLUENE	1/36	165	J	165	J	SB-238-05	6	7	165	7.5	NC	NC	NC		0	NC	NC	NC	NC
ACETONE	16/34	9	J	48	J	SB-26-10	16	62	26.1	26.2	7000000	0	6100000	N	0	22000	0	90000	0
ETHYLBENZENE	1/36	394		394		SB-238-05	6	7	394	13.9	780000	0	5400	C	0	15000	0	34	1
ISOPROPYLBENZENE	1/36	83.1	J	83.1	J	SB-238-05	6	7	83.1	5.3	780000	0	210000	N	0	64000	0	22000	0
M+P-XYLENES	1/36	270	J	270	J	SB-238-05	11	20	270	14.5	1600000 [6]	0	63000	N[7]	0	3000 [6]	0	4000	0
METHYLENE CHLORIDE	9/36	5	J	147	J	SB-238-05	6	11	21.4	7.8	85000	0	11000	C	0	19	1	24	1
N-BUTYLBENZENE	1/36	125	J	125	J	SB-238-05	6	7	125	6.4	NC	NC	NC		0	NC	NC	NC	NC
NAPHTHALENE	1/36	159000		159000		SB-238-05	6	7	159000	4420	160000	0	3600	C	1	150	1	9.4	1
O-XYLENE	1/36	186	J	186	J	SB-238-05	6	20	186	10.3	1600000 [6]	0	380000	N	0	3000 [6]	0	24000	0
TOTAL XYLENES	1/11	456	J	456	J	SB-238-05	17	19	456	49.6	1600000 [6]	0	63000	N	0	3000 [6]	0	4000	0
TRICHLOROFLUOROMETHANE	1/36	2	J	2	J	SB-295-0405	6	259	2.0	7.3	NC	NC	79000	N	0	NC	NC	16600	0
Semivolatile Organics (ug/kg)																			
2,4-DIMETHYLPHENOL	1/32	68	J	68	J	SB-238-05	380	420	68.0	193	160000	0	120000	N	0	6700	0	17200	0
BIS(2-ETHYLHEXYL)PHTHALATE	1/32	190	J	190	J	SB-296-0910	85	420	190	192	46000	0	35000	C	0	2900000	0	22000	0
CARBAZOLE	3/32	200	J	5690		SB-238-05	380	420	2090	374	32000	0	NC		0	470	1	NC	NC
DIBENZOFURAN	3/32	73	J	3980		SB-238-05	380	420	1394	309	7800	0	7800	N	0	NC	NC	13600	0
DIMETHYL PHTHALATE	2/32	77	J	310	J	SB-55-10	380	412	194	197	NC	NC	NC		0	NC	NC	NC	NC
N-NITROSODIPHENYLAMINE	1/31	81	J	81	J	SB-238-05	380	420	81.0	193	130000	0	99000	C	0	760	0	1500	0
PHENOL	4/32	140	J	910		SB-56-05	380	420	565	244	2300000	0	1800000	N	0	67000	0	126000	0
PAHs (ug/kg)																			
1-METHYLNAPHTHALENE	1/17	3420		3420		SB-238-05	3.5	410	3420	317	NC	NC	22000	C	0	NC	NC	240	1
2-METHYLNAPHTHALENE	1/38	6900		6900		SB-238-05	3.5	420	6900	343	31000	0	31000	N	0	4400	1	15000	0
ACENAPHTHENE	4/38	15		6960		SB-238-05	3.5	420	1819	342	470000	0	340000	N	0	100000	0	440000	0
ACENAPHTHYLENE	1/38	69	J	69	J	SB-238-05	3.5	420	69.0	163	470000	0	340000	N[8]	0	100000	0	440000 [8]	0
ANTHRACENE	4/38	47		2510		SB-238-05	3.5	420	814	236	2300000	0	1700000	N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[17]	85/324	2.3		7604		F-SB-268RE-3	1.4	410	338	106	22	62	15		68	NC	NC	70	35
BAP EQUIVALENT-POSITIVE RESULTS[17]	85/324	0.19		7604		F-SB-268RE-3	1.4	410	330	104	22	62	15	C	68	120	27	70	35
BENZO(A)ANTHRACENE	48/235	3.4	J	5700		F-SB-268RE-3	1	410	412	108	220	14	150	C	18	480	8	200	17
BENZO(A)PYRENE	78/324	3.1	J	5200		F-SB-268RE-3	1.4	410	267	81.8	22	55	15	C	65	120	26	70	32
BENZO(B)FLUORANTHENE	55/235	1.7	J	6500		F-SB-268RE-3	1.3	410	385	114	220	16	150	C	20	1500	4	700	6
BENZO(G,H,I)PERYLENE	6/38	6.375		1240	J	SB-238-05	3.5	410	398	208	230000	0	170000	N[9]	0	680000	0	2400000 [9]	0
BENZO(K)FLUORANTHENE	42/235	5.875		2900		F-SB-268RE-3	1.5	410	265	71.4	2200	1	1500	C	2	15000	0	7000	0
CHRYSENE	48/235	2.9	J	5400		F-SB-268RE-3	0.98	410	412	108	22000	0	15000	C	0	48000	0	22000	0
DIBENZO(A,H)ANTHRACENE	20/235	9.8		860		F-SB-268RE-3	1.4	420	105	35.5	22	14	15	C	18	460	1	220	2
FLUORANTHENE	8/38	9.8		10000		SB-238-05	3.5	410	1890	543	310000	0	230000	N	0	6300000	0	3200000	0
FLUORENE	4/38	26		6330		SB-238-05	3.5	420	1667	326	310000	0	230000	N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	48/235	0.96	J	2900		F-SB-268RE-3	0.41	410	190	62.8	220	9	150	C	10	4200	0	2400	1
NAPHTHALENE	2/38	58	J	31000		SB-238-05	3.5	420	15529	973	160000	0	3600	C	1	150	1	9.4	2
PHENANTHRENE	6/38	5.575		18600		SB-238-05	3.5	410	3734	735	2300000	0	170000	N[9]	0	470000	0	2400000 [9]	0
PYRENE	7/38	9.1		7570		SB-238-05	3.5	410	1610	441	230000	0	170000	N	0	680000	0	2400000	0
Pesticides/PCBs (ug/kg)																			
AROCLOR-1260	4/153	15	J	27	J	F-SB-636-5	19	310	20.5	27.6	320	0	220	C	0	NC	NC	480	0
TOTAL AROCLOR	4/153	15		27		F-SB-636-5	0	0	20.5	0.54	320 [10]	0	220	C[11]	0	410 [10]	0	NC	NC
Inorganics (mg/kg)																			
ANTIMONY	2/25	0.3	L	2	L	SB-236-05	0.3	3.1	1.2	0.95	3.1	0	3.1	N	0	13	0	13.2	0
ARSENIC	25/36	0.58	L	7		SB-236-05	0.52	2	2.5	1.9	0.43	25	0.39	C	25	0.026	25	0.026	25
BARIUM	13/13	12.5		103		SB-236-05	--	--	27.6	27.6	1600	0	1500	N	0	6000	0	6000	0
BERYLLIUM	19/36	0.6		6.2		SB-55-05	2.6	3.1	3.3	2.4	16	0	16	N	0	1200	0	1160	0
CADMIUM	3/36	0.3		0.5		SB-238-05, SB-236-05	0.06	3.1	0.43	0.99	3.9	0	7	N	0	27	0	28	0
CHROMIUM	34/35	5.3	L	39.4	K	SB-298-0910	2.6	2.6	17.7	17.2	12000 [12]	0	12000	N[12]	0	2000000000 [12]	0	1980000000 [12]	0
COBALT	12/13	5.3		32.3		SB-296-0405	3.2	3.2	10.3	9.7	NC	NC	2.3	N	12	NC	NC	9.8	3
COPPER	34/36	4.3	L	56		SB-55-05	2.9	3	16.4	15.6	310	0	310	N	0	11000	0	1020	0
LEAD	32/36	2.9	L	81		SB-236-05	2.6	3	11.5	10.4	400	0	400		0	NC	NC	280 [13]	0
MERCURY	17/47	0.01		1.8	L	F-SB-800-03	0.01	0.12	0.46	0.19	2.3 [14]	0	2.3	N[15]	0	NC	NC	NC	NC
MOLYBDENUM	7/13	0.32		0.55	K	SB-296-0405	0.18	0.7	0.42	0.32	NC	NC	39	N	0	NC	NC	74	0
NICKEL	34/36	3.6	L	150		SB-55-05	2.6	2.9	22.1	21.0	160	0	150	N	0	NC	NC	960	0
SELENIUM	5/28	2.8		4.4	L	SB-30-05	0.56	3	3.7	1.4	39	0	39	N	0	19	0	19	0
SILVER	5/25	0.72		2.3		SB-236-05	0.05	3.1	1.4	1.0	39	0	39	N	0	31	0	32	0
VANADIUM	13/13	20.7		61.6		SB-296-0405	--	--	34.9	34.9	7.8	13	39	N[16]	3	730	0	3600	0

Table 4-10

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
ZINC	20/36	24.1	270	SB-55-05	26	60	66.9	46.4	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	3/22	12000	881000	SB-238-05	11000	25000	303333	48909	230000	1	NC	0	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	1/36	21200	21200	SB-238-05	110	2900	21200	1013	230000	0	NC	0	NC	NC	NC	NC
TPH (C09-C36)	3/10	3500 J	4900 J	SB-296-0405	2800	6100	4067	2730	NC	NC	NC	0	NC	NC	NC	NC
Miscellaneous Parameters (ug/kg)																
MERCURY (METHYL)	1/1	1.21 J	1.21 J	SB-236-05	--	--	1.2	1.2	780	0	780 N	0	NC	NC	NC	NC
Miscellaneous Parameters (%)																
PERCENT SOLIDS	102/102	65.8	95.9	SB-395-0203	--	--	83.9	83.9	NC	NC	NC	0	NC	NC	NC	NC
TOTAL SOLIDS	10/10	80	88	SB-297-0405	--	--	83.9	83.9	NC	NC	NC	0	NC	NC	NC	NC
Miscellaneous Parameters (s.u.)																
PH	1/1	7.7	7.7	SB-236-05	--	--	7.7	7.7	NC	NC	NC	0	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - The value is for xylenes.
7 - The value is for xylene, mixture.
8 - The value for acenaphthene is used as a surrogate for acenaphthylene.
9 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
10 - The value is for PCB (total).
11 - The value is for polychlorinated biphenyls (high risk).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - The value is for mercury (inorganic/mercuric dichloride).
15 - The value is for mercuric chloride.
16 - The value is for vanadium and compounds.
17 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-11

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
Volatile Organics (ug/kg)												
METHYLENE CHLORIDE	1/4	8 J	8 J	SB-93-15	6	6	8.0	4.3	85000	0	11000 C	0
Semivolatile Organics (ug/kg)												
PHENOL	1/4	770	770	SB-56-15	400	410	770	344	2300000	0	1800000 N	0
PAHs (ug/kg)												
BAP EQUIVALENT-1/2 NONDETECTS[8]	27/70	2.6	6440.9	F-SB-268RE-13	1.5	410	298	127	22	18	15	19
BAP EQUIVALENT-POSITIVE RESULTS[8]	27/70	0.83	6440.9	F-SB-268RE-13	1.5	410	297	126	22	17	15 C	19
BENZO(A)ANTHRACENE	24/70	8.5	4500	F-SB-268RE-13	1.1	410	234	92.1	220	2	150 C	3
BENZO(A)PYRENE	23/70	9.3	4400	F-SB-268RE-13	1.5	410	239	90.4	22	11	15 C	18
BENZO(B)FLUORANTHENE	26/70	8.3	5600	F-SB-268RE-13	1.4	410	272	113	220	3	150 C	5
BENZO(K)FLUORANTHENE	16/70	8.8	2700	F-SB-268RE-13	1.6	410	205	59.1	2200	1	1500 C	1
CHRYSENE	23/70	8.3	3900	F-SB-268RE-13	1	410	217	83.2	22000	0	15000 C	0
DIBENZO(A,H)ANTHRACENE	7/70	12	720	F-SB-268RE-13	1.5	410	125	24.6	22	5	15 C	6
INDENO(1,2,3-CD)PYRENE	19/70	9.4	2800	F-SB-268RE-13	1.7	410	183	61.8	220	1	150 C	1
Inorganics (mg/kg)												
CHROMIUM	3/4	9.5 L	27	SB-94-15	3	3	18.2	14.0	12000 [6]	0	12000 N[6]	0
COPPER	4/4	3.3 L	12 L	SB-93-15	--	--	6.7	6.7	310	0	310 N	0
LEAD	2/4	3.3 L	4 L	SB-93-15	2.8	3	3.7	2.6	400	0	400	0
NICKEL	3/4	6	20	SB-94-15	3	3	14.7	11.4	160	0	150 N	0

Notes:

1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
6 - The value is for trivalent chromium.
7- Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
8 - See Section 3 for BaP equivalent calculation methodology.

Definitions:

BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
L = Biased low
N = Noncarcinogen
NC = No criteria

TABLE 4-12

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK F
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Construction Worker	Surface Soil	Incidental Ingestion	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.2	--
		Dermal Contact	9E-07	--	--	--	0.02	--
		Inhalation	7E-07	--	--	--	0.3	--
		Total	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.5	--
	Subsurface Soil	Incidental Ingestion	4E-07	--	--	--	0.1	--
		Dermal Contact	7E-08	--	--	--	0.02	--
		Inhalation	2E-06	--	--	NAPHTHALENE	2	Target Organs HI ≤ 1
		Total	3E-06	--	--	NAPHTHALENE	2	Target Organs HI ≤ 1
Industrial Worker	Surface Soil	Incidental Ingestion	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.03	--
		Dermal Contact	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.02	--
		Inhalation	8E-09	--	--	--	0.0001	--
		Total	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.05	--
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.04	--
		Dermal Contact	1E-06	--	--	--	0.01	--
		Inhalation	7E-06	--	--	NAPHTHALENE	0.2	--
		Total	9E-06	--	--	NAPHTHALENE	0.2	--
Child Commercial Receptor	Surface Soil	Incidental Ingestion	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	0.3	--
		Dermal Contact	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.03	--
		Inhalation	2E-09	--	--	--	0.00003	--
		Total	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	0.4	--
	Subsurface Soil	Incidental Ingestion	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.4	--
		Dermal Contact	2E-06	--	--	--	0.03	--
		Inhalation	4E-07	--	--	--	0.05	--
		Total	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.5	--
Adolescent Commercial Receptor	Surface Soil	Incidental Ingestion	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.06	--
		Dermal Contact	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.02	--
		Inhalation	2E-09	--	--	--	0.00003	--
		Total	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.08	--
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.08	--
		Dermal Contact	2E-06	--	--	--	0.02	--
		Inhalation	9E-07	--	--	--	0.05	--
		Total	4E-06	--	--	--	0.1	--

TABLE 4-12

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK F
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Lifelong Commercial Receptor (Child + Adolescent)	Surface Soil	Incidental Ingestion	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	4E-09	--	--	--	NA	--
		Total	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	8E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	NA	--
		Dermal Contact	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	1E-06	--	--	--	NA	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
Adult Commercial Receptor	Surface Soil	Incidental Ingestion	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.03	--
		Dermal Contact	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.02	--
		Inhalation	8E-09	--	--	--	0.0001	--
		Total	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.05	--
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.04	--
		Dermal Contact	1E-06	--	--	--	0.01	--
		Inhalation	7E-06	--	--	NAPHTHALENE	0.2	--
		Total	9E-06	--	--	NAPHTHALENE	0.2	--
Child Recreational User	Surface Soil	Incidental Ingestion	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.6	--
		Dermal Contact	7E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.07	--
		Inhalation	8E-09	--	--	--	0.0001	--
		Total	3E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.7	--
	Subsurface Soil	Incidental Ingestion	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.8	--
		Dermal Contact	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	0.06	--
		Inhalation	2E-06	--	--	NAPHTHALENE	0.2	--
		Total	2E-05	--	--	NAPHTHALENE, BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	1	--

TABLE 4-12

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK F
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adolescent Recreational User	Surface Soil	Incidental Ingestion	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.1	--
		Dermal Contact	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	9E-09	--	--	--	0.0001	--
		Total	5E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.1	--
	Subsurface Soil	Incidental Ingestion	3E-06	--	--	--	0.1	--
		Dermal Contact	1E-06	--	--	--	0.01	--
		Inhalation	3E-06	--	--	NAPHTHALENE	0.2	--
		Total	7E-06	--	--	NAPHTHALENE, BENZO(A)PYRENE EQUIVALENTS	0.4	--
Adult Recreational User	Surface Soil	Incidental Ingestion	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.07	--
		Dermal Contact	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	4E-09	--	--	--	0.0001	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.08	--
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.09	--
		Dermal Contact	3E-07	--	--	--	0.009	--
		Inhalation	3E-06	--	--	NAPHTHALENE	0.2	--
		Total	5E-06	--	--	NAPHTHALENE	0.3	--
Lifelong Recreational User (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	9E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	2E-08	--	--	--	NA	--
		Total	3E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	8E-06	--	--	NAPHTHALENE	NA	--
		Total	3E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, NAPHTHALENE, ARSENIC, HEXAVALENT CHROMIUM	NA	--

TABLE 4-12

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK F
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Child Resident	Surface Soil	Incidental Ingestion	3E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.9	--
		Dermal Contact	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.09	--
		Inhalation	3E-08	--	--	--	0.0005	--
		Total	4E-04	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	ARSENIC	1.0	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	1	--
		Dermal Contact	7E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	0.08	--
		Inhalation	7E-06	--	--	NAPHTHALENE	0.8	--
		Total	3E-05	--	--	NAPHTHALENE, BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	2	Target Organs HI ≤ 1
Adolescent Resident	Surface Soil	Incidental Ingestion	5E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.2	--
		Dermal Contact	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.02	--
		Inhalation	4E-08	--	--	--	0.0005	--
		Total	7E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	0.2	--
	Subsurface Soil	Incidental Ingestion	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.2	--
		Dermal Contact	1E-06	--	--	--	0.02	--
		Inhalation	1E-05	--	--	NAPHTHALENE	0.8	--
		Total	2E-05	--	--	NAPHTHALENE, BENZO(A)PYRENE EQUIVALENTS, ARSENIC	1	--
Adult Resident	Surface Soil	Incidental Ingestion	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.09	--
		Dermal Contact	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	2E-08	--	--	--	0.0005	--
		Total	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.1	--
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.1	--
		Dermal Contact	5E-07	--	--	--	0.01	--
		Inhalation	1E-05	--	--	NAPHTHALENE	0.8	--
		Total	2E-05	--	--	NAPHTHALENE	0.9	--

TABLE 4-12

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK F
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Lifelong Resident (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	3E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	9E-08	--	--	--	NA	--
		Total	5E-04	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	ARSENIC	NA	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	3E-05	--	NAPHTHALENE	--	NA	--
		Total	7E-05	--	BENZO(A)PYRENE EQUIVALENTS, NAPHTHALENE	ARSENIC, HEXAVALENT CHROMIUM	NA	--

Note: See Section 3 for benzo(a)pyrene equivalents calculation methodology.

Table 4-13

Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																			
1,1-DICHLOROETHANE	1/14	1	J	1	J	SB-195-SS	2	6	1.0	2.1	1600000	0	3300	C	0	5100	0	13.8	0
1,1-DICHLOROETHENE	1/14	2.5		2.5		SB-195-SS	2	6	2.5	2.2	390000	0	24000	N	0	2900	0	2400	0
1,2,4-TRIMETHYLBENZENE	3/14	0.83	J	1.5	J	SB-197-SS	2	6	1.2	2.2	NC	NC	6200	N	0	NC	NC	420	0
2-BUTANONE	5/14	3.36	J	14.5		SB-195-SS	9	64	7.7	20.0	4700000	0	2800000	N	0	29000	0	30000	0
ACETONE	7/14	10.4	J	128	J	SB-195-SS	54	64	63.3	46.5	7000000	0	6100000	N	0	22000	0	90000	0
CARBON DISULFIDE	5/14	1.6	J	6.2		SB-199-SS	2	6	2.9	2.8	780000	0	82000	N	0	19000	0	6200	0
ISOPROPYLBENZENE	1/14	47	J	47	J	SB-84-SS	2	6	47.0	5.3	780000	0	210000	N	0	64000	0	22000	0
METHYLENE CHLORIDE	2/14	6	J	7	J	SB-82-SS	3.9	6	6.5	3.1	85000	0	11000	C	0	19	0	24	0
N-PROPYLBENZENE	1/14	7	J	7	J	SB-84-SS	2	6	7.0	2.4	NC	NC	340000	N	0	NC	NC	50000	0
NAPHTHALENE	2/15	2.9		6	J	SB-85-SS	1	6	4.5	2.4	160000	0	3600	C	0	150	0	9.4	0
TOLUENE	5/15	0.79	J	3.6		SB-195-SS	1	6	1.9	2.3	630000	0	500000	N	0	27000	0	32000	0
TRICHLOROETHENE	3/14	0.65	J	1.3	J	SB-195-SS	2	6	1.0	2.1	1600	0	2800	C	0	0.26	3	14.4	0
Semivolatile Organics (ug/kg)																			
BENZOIC ACID	1/6	174	J	174	J	SB-195-SS	40.9	80.2	174	52.8	NC	NC	24000000	N	0	NC	NC	680000	0
CARBAZOLE	2/14	250	J	320	J	SB-85-SS	185	2100	285	394	32000	0	NC		NC	470	0	NC	NC
PHENOL	1/14	940	J	940	J	SB-92-SS	371	2100	940	533	2300000	0	1800000	N	0	67000	0	126000	0
PAHs (ug/kg)																			
1-METHYLNAPHTHALENE	1/21	140		140		G-SB-806-SS	3.4	85.3	140	20.3	NC	NC	22000	C	0	NC	NC	240	0
2-METHYLNAPHTHALENE	4/29	9.2		460		G-TP-1-3-1-2	3.4	2100	237	223	31000	0	31000	N	0	4400	0	15000	0
ACENAPHTHENE	8/53	33	J	640	J	SB-91-SS	3.4	2100	320	118	470000	0	340000	N	0	100000	0	440000	0
ACENAPHTHYLENE	6/53	38	J	1200		G-TP-1-3-1-2	3.4	2100	461	196	470000	0	340000	N[6]	0	100000	0	440000 [6]	0
ANTHRACENE	22/53	10		2800		G-TP-1-3-1-2	3.7	2100	533	281	2300000	0	1700000	N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[17]	195/238	1.6		38666		G-SB-764D-1	1.4	2100	1770	1457	22	160	15		171	NC	NC	70	123
BAP EQUIVALENT-POSITIVE RESULTS[17]	195/238	0.01		38666		G-SB-764D-1	1.4	2100	1759	1448	22	157	15	C	169	120	92	70	118
BENZO(A)ANTHRACENE	147/187	2.8	J	34000		G-SB-761C-1	1.1	2100	1614	1277	220	54	150	C	63	480	37	200	54
BENZO(A)PYRENE	188/238	2.8	J	27000		G-SB-761D-1	1.4	2100	1252	996	22	150	15	C	163	120	83	70	103
BENZO(A)PYRENE	188/238	2.8	J	27000		G-SB-764D-1	1.4	2100	1252	996	22	150	15	C	163	120	83	70	103
BENZO(B)FLUORANTHENE	151/181	1.9	J	28000		G-SB-764D-1	1.3	86	1585	1325	220	56	150	C	64	1500	21	700	31
BENZO(B+K)FLUORANTHENE	4/6	220	J	7200	J	SB-84-SS	400	2100	3778	2727	220 [7]	3	150	C[7]	4	1500 [7]	2	700 [7]	3
BENZO(G,H,I)PERYLENE	29/53	13		24000	J	SB-91-SS	3.8	2100	1948	1122	230000	0	170000	N[8]	0	680000	0	2400000 [8]	0
BENZO(K)FLUORANTHENE	124/181	1.475		17000	J	SB-91-SS	1.6	86	1023	703	2200	12	1500	C	16	15000	1	7000	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	3/9	260	J	41000	J	G-TP-1-4-1-2	74	90	14120	4733	NC	NC	NC		NC	NC	NC	NC	NC
C1-FLUORANTHENES/PYRENES	3/9	270	J	47000	J	G-TP-1-4-1-2	74	90	16157	5412	NC	NC	NC		NC	NC	NC	NC	NC
C1-FLUORENES	1/9	1200	J	1200	J	G-TP-1-4-1-2	74	90	1200	169	NC	NC	NC		NC	NC	NC	NC	NC
C1-PHENANTHRENES/ANTHRACENES	3/9	130	J	33000	J	G-TP-1-4-1-2	74	90	11317	3799	NC	NC	NC		NC	NC	NC	NC	NC
C2-CHRYSENES/BENZO(A)ANTHRACENES	3/9	140	J	20000	J	G-TP-1-4-1-2	74	90	6910	2330	NC	NC	NC		NC	NC	NC	NC	NC
C2-FLUORENES	1/9	3800	J	3800	J	G-TP-1-4-1-2	74	90	3800	458	NC	NC	NC		NC	NC	NC	NC	NC
C2-NAPHTHALENES	1/9	1800	J	1800	J	G-TP-1-4-1-2	74	90	1800	236	NC	NC	NC		NC	NC	NC	NC	NC
C2-PHENANTHRENES/ANTHRACENES	3/9	160	J	31000	J	G-TP-1-4-1-2	74	90	10643	3574	NC	NC	NC		NC	NC	NC	NC	NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	2/9	210	J	7000	J	G-TP-1-4-1-2	74	90	3605	832	NC	NC	NC		NC	NC	NC	NC	NC
C3-FLUORENES	2/9	200	J	7200	J	G-TP-1-4-1-2	74	90	3700	853	NC	NC	NC		NC	NC	NC	NC	NC
C3-NAPHTHALENES	1/9	4000	J	4000	J	G-TP-1-4-1-2	74	90	4000	480	NC	NC	NC		NC	NC	NC	NC	NC
C3-PHENANTHRENES/ANTHRACENES	3/9	100	J	17000	J	G-TP-1-4-1-2	74	90	5850	1977	NC	NC	NC		NC	NC	NC	NC	NC
C4-CHRYSENES/BENZO(A)ANTHRACENES	2/9	92	J	3000	J	G-TP-1-4-1-2	74	90	1546	374	NC	NC	NC		NC	NC	NC	NC	NC
C4-NAPHTHALENES	2/9	92	J	4100	J	G-TP-1-4-1-2	74	90	2096	497	NC	NC	NC		NC	NC	NC	NC	NC
C4-PHENANTHRENES/ANTHRACENES	2/9	160	J	5900	J	G-TP-1-4-1-2	74	90	3030	704	NC	NC	NC		NC	NC	NC	NC	NC
CHRYSENE	155/187	3.2	J	41000		G-SB-761C-1	0.99	2100	1773	1478	22000	4	15000	C	6	48000	0	22000	4
DIBENZO(A,H)ANTHRACENE	83/187	3.8	J	7200	J	SB-91-SS	1.4	2100	528	252	22	68	15	C	75	460	15	220	20
FLUORANTHENE	39/53	13		21000	K	SB-91-SS	3.8	400	2352	1741	310000	0	230000	N	0	6300000	0	3200000	0
FLUORENE	10/53	21	J	600		G-TP-1-3-1-2	3.4	2100	263	132	310000	0	230000	N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	136/187	2.4	J	17000	J	SB-91-SS	0.41	2100	973	724	220	40	150	C	52	4200	9	2400	10
INDENO(1,2,3-CD)PYRENE	136/187	2.4	J	17000		G-SB-764D-1	0.41	2100	973	724	220	40	150	C	52	4200	9	2400	10

Table 4-13

Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
NAPHTHALENE	7/53	7.3	660	G-TP-1-3-1-2	3.7	2100	233	141	160000	0	3600 C	0	150	4	9.4	5
PHENANTHRENE	30/53	25	13000 K	SB-91-SS	3.7	2100	1658	972	2300000	0	170000 N[8]	0	470000	0	2400000 [8]	0
PYRENE	41/53	9.4	55000 J	SB-91-SS	3.8	2100	3851	3008	230000	0	170000 N	0	680000	0	2400000	0
Pesticides/PCBs (ug/kg)																
AROCLOR-1254	1/22	12 J	12 J	SB-198-SS	34	330	12.0	64.9	320	0	110 N[9]	0	1100	0	176	0
AROCLOR-1260	9/22	8.2 J	1190 J	SB-258-SS[6]	36	330	323	178	320	4	220 C	4	NC	NC	480	2
TOTAL AROCLOR	10/22	8.2	1190	SB-258-SS[6]	0	0	292	133	320 [10]	4	220 C[11]	4	410 [10]	2	NC	NC
Inorganics (mg/kg)																
ANTIMONY	7/14	0.6 L	3.9 L	SB-85-SS	2.5	3.2	1.4	1.4	3.1	1	3.1 N	1	13	0	13.2	0
ARSENIC	27/32	0.8 L	37	SB-92-SS	1	3	3.4	3.0	0.43	27	0.39 C	27	0.026	27	0.026	27
BARIUM	6/6	22	74	SB-197-SS	--	--	42.8	42.8	1600	0	1500 N	0	6000	0	6000	0
BERYLLIUM	8/14	0.3	5.4	SB-91-SS	2.3	3.2	1.7	1.5	16	0	16 N	0	1200	0	1160	0
CADMIUM	2/14	5.7	14	SB-85-SS	0.1	3.2	9.9	2.0	3.9	2	7 N	1	27	0	28	0
CHROMIUM	14/14	11.2	48	SB-85-SS	--	--	21.2	21.2	12000 [12]	0	12000 N[12]	0	2000000000 [12]	0	1980000000 [12]	0
COBALT	6/6	3.2	51.2	SB-197-SS	--	--	15.1	15.1	NC	NC	2.3 N	6	NC	NC	9.8	2
COPPER	14/14	5	45	SB-85-SS	--	--	14.8	14.8	310	0	310 N	0	11000	0	1020	0
LEAD	14/14	4	340	SB-85-SS	--	--	68.3	68.3	400	0	400	0	NC	NC	280 [13]	1
MERCURY	11/14	0.02	4.2	SB-84-SS	0.1	0.11	0.60	0.48	2.3 [14]	1	2.3 N[15]	1	NC	NC	NC	NC
NICKEL	14/14	5	280 J	SB-86-SS	--	--	49.3	49.3	160	2	150 N	2	NC	NC	960	0
Inorganics (mg/kg) (continued)																
SELENIUM	2/14	3.7	4.7	SB-91-SS	2	3.2	4.2	1.6	39	0	39 N	0	19	0	19	0
VANADIUM	6/6	20.2	39.2	SB-197-SS	--	--	25.7	25.7	7.8	6	39 N[16]	1	730	0	3600	0
ZINC	14/14	16	290	SB-86-SS	--	--	78.4	78.4	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	10/15	12000	163000	SB-198-SS	11000	12000	72200	50100	230000	0	NC	0	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	7/19	31 J	810000	G-SB-734-0-4	110	12500	142206	54121	230000	1	NC	0	NC	NC	NC	NC
Miscellaneous Parameters (%)																
PERCENT SOLIDS	63/63	81.7	95.9	SB-414-0102	--	--	88.7	88.7	NC	NC	NC	0	NC	NC	NC	NC
Miscellaneous Parameters (s.u.)																
PH	1/1	7.1	7.1	SB-194-SS	--	--	7.1	7.1	NC	NC	NC	0	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value is for benzo(b)fluoranthene.
8 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
9 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
10 - The value is for PCB (total).
11 - The value is for polychlorinated biphenyls (high risk).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - The value is for mercury (inorganic/mercuric dichloride).
15 - The value is for mercuric chloride.
16 - The value is for vanadium and compounds.
17 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-14

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																			
1,1-DICHLOROETHENE	1/24	0.54	J	0.54	J	SB-197-10	1.9	61	0.54	4.1	390000	0	24000	N	0	2900	0	2400	0
1,2,4-TRIMETHYLBENZENE	3/24	0.69	J	1.1	J	SB-195-05	1.9	61	0.87	4.1	NC	NC	6200	N	0	NC	NC	420	0
2-BUTANONE	5/24	3.58	J	8.24	J	SB-199-10	7.73	610	5.5	36.3	4700000	0	2800000	N	0	29000	0	30000	0
ACETONE	14/24	3.6	J	89.6	J	SB-198-05	56	610	24.3	47.6	7000000	0	6100000	N	0	22000	0	90000	0
BENZENE	1/45	7		7		SB-89-05	1	121	7.0	10.0	12000	0	1100	C	0	1.9	1	4.2	1
CARBON DISULFIDE	7/24	0.68	J	2.1	J	SB-196-10	1.9	61	1.3	4.2	780000	0	82000	N	0	19000	0	6200	0
ETHYLBENZENE	2/45	3		100		SB-89-05	1	121	51.5	12.2	780000	0	5400	C	0	15000	0	34	1
ISOPROPYLBENZENE	1/24	990	J	990	J	SB-84-05	1.9	61	990	44.3	780000	0	210000	N	0	64000	0	22000	0
METHYLENE CHLORIDE	3/24	8	J	10	J	SB-86-10, SB-86-05	3.9	61	9.3	5.9	85000	0	11000	C	0	19	0	24	0
N-BUTYLBENZENE	1/24	850	J	850	J	SB-84-05	1.9	61	850	38.5	NC	NC	NC		NC	NC	NC	NC	NC
N-PROPYLBENZENE	1/24	2200	J	2200	J	SB-84-05	1.9	61	2200	94.7	NC	NC	340000	N	0	NC	NC	50000	0
NAPHTHALENE	9/45	0.62	J	620	J	SB-84-05	1	362	153	54.1	160000	0	3600	C	0	150	4	9.4	6
TERTIARY-BUTYL ALCOHOL	2/12	6	J	7	J	SB-197-10	8	10	6.5	4.8	NC	NC	NC		NC	NC	NC	NC	NC
TOLUENE	11/45	1.1	J	4.2		SB-199-05	1	121	2.5	10.3	630000	0	500000	N	0	27000	0	32000	0
TOTAL XYLENES	4/35	3		600		SB-88-05	1	362	196	52.9	1600000 [6]	0	63000	N	0	3000 [6]	0	4000	0
TRICHLOROETHENE	7/24	0.62	J	1.5	J	SB-199-05	1.9	61	1.0	4.1	1600	0	2800	C	0	0.26	7	14.4	0
Semivolatile Organics (ug/kg)																			
BENZOIC ACID	2/12	134	J	136	J	SB-195-05	42.3	70.8	135	46.9	NC	NC	24000000	N	0	NC	NC	680000	0
CARBAZOLE	1/22	51	J	51	J	SB-199-05	187	410	51.0	142	32000	0	NC		NC	470	0	NC	NC
DIBENZOFURAN	1/22	34	J	34	J	SB-199-05	110	410	34.0	121	7800	0	7800	N	0	NC	NC	13600	0
PHENOL	5/22	1000	J	1900		SB-81-05	375	436	1380	468	2300000	0	1800000	N	0	67000	0	126000	0
PAHs (ug/kg)																			
1-METHYLNAPHTHALENE	4/58	18		900		G-SB-813-09	3.6	89.9	258	28.2	NC	NC	22000	C	0	NC	NC	240	1
2-METHYLNAPHTHALENE	6/68	20		650		G-SB-813-09	3.6	410	216	56.3	31000	0	31000	N	0	4400	0	15000	0
ACENAPHTHENE	7/68	18		1200	J	G-SB-813-09	3.6	410	294	67.4	470000	0	340000	N	0	100000	0	440000	0
ACENAPHTHYLENE	15/68	7.9		1000		G-SB-813-09	3.6	410	149	69.4	470000	0	340000	N[7]	0	100000	0	440000 [7]	0
ANTHRACENE	21/68	9.1		3500	J	G-SB-813-09	3.6	410	355	144	2300000	0	1700000	N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[16]	414/845	1.2		57089		G-SB-735A-5	1.4	410	1323	651	22	297	15		341	NC	NC	70	197
BAP EQUIVALENT-POSITIVE RESULTS[16]	414/845	0.0078		57089		G-SB-735A-5	1.4	410	1320	650	22	291	15	C	333	120	164	70	191
BENZO(A)ANTHRACENE	333/661	1.4	J	44000		G-SB-735A-5	1	410	1172	594	220	109	150	C	125	480	82	200	112
BENZO(A)PYRENE	378/845	2.6	J	37000		G-SB-735A-5	1.4	410	1000	450	22	270	15	C	310	120	146	70	174
BENZO(B)FLUORANTHENE	352/653	1.6	J	55000		G-SB-735A-5	1.3	400	1249	675	220	118	150	C	137	1500	53	700	74
BENZO(G,H,I)PERYLENE	27/68	13		9200	J	G-SB-806-09	3.6	410	1015	436	230000	0	170000	N[8]	0	680000	0	2400000 [8]	0
BENZO(K)FLUORANTHENE	251/653	2.25		25000		G-SB-735A-5	1.4	400	647	250	2200	20	1500	C	25	15000	1	7000	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	2/10	83	J	89	J	G-TP-1-2-7-8	74	81	86.0	48.7	NC	NC	NC		NC	NC	NC	NC	NC
C1-FLUORANTHENES/PYRENES	2/10	84	J	96	J	G-TP-1-2-7-8	74	81	90.0	49.5	NC	NC	NC		NC	NC	NC	NC	NC
CHRYSENE	351/661	1.4	J	40000	J	G-SB-714-6	0.97	410	1176	627	22000	2	15000	C	7	48000	0	22000	2
DIBENZO(A,H)ANTHRACENE	158/661	5.225		7800		G-SB-735A-5	1.4	410	396	99.0	22	130	15	C	139	460	33	220	50
FLUORANTHENE	35/68	8.4		17000	J	G-SB-813-09	3.6	410	1518	810	310000	0	230000	N	0	6300000	0	3200000	0
FLUORENE	4/68	25		1800	J	G-SB-813-09	3.6	410	520	68.5	310000	0	230000	N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	300/661	1.5	J	21000	J	G-SB-714-6, G-SB-735A-5	0.41	410	703	323	220	90	150	C	107	4200	13	2400	23
NAPHTHALENE	6/68	8.4		510		G-SB-806-09	3.6	410	148	50.9	160000	0	3600	C	0	150	2	9.4	5
PHENANTHRENE	27/68	19	J	18000	J	G-SB-813-09	3.6	410	1263	535	2300000	0	170000	N[8]	0	470000	0	2400000 [8]	0
PYRENE	35/68	8.9	J	31000		G-SB-813-09	3.6	410	2691	1415	230000	0	170000	N	0	680000	0	2400000	0
Pesticides/PCBs (ug/kg)																			
AROCLOR-1260	2/24	8.1	J	14	J	SB-195-10	36	300	11.1	71.3	320	0	220	C	0	NC	NC	480	0
TOTAL AROCLOR	2/24	8.1		14		SB-195-10	0	0	11.1	0.9	320 [9]	0	220	C[10]	0	410 [9]	0	NC	NC
Inorganics (mg/kg)																			
ANTIMONY	4/24	0.3	L	0.7	L	SB-199-10	0.17	3	0.44	0.70	3.1	0	3.1	N	0	13	0	13.2	0

Table 4-14

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
ARSENIC	25/32	0.61	8.5	G-SB-92RE-7	0.53	5	3.5	2.9	0.43	25	0.39 C	25	0.026	25	0.026	25
BARIUM	14/14	3	35	SB-198-05	--	--	20.5	20.5	1600	0	1500 N	0	6000	0	6000	0
BERYLLIUM	15/24	0.2	3.9	SB-198-05	2.6	3	1.3	1.3	16	0	16 N	0	1200	0	1160	0
CADMIUM	3/24	0.085	0.4	SB-198-10	0.08	3	0.24	0.65	3.9	0	7 N	0	27	0	28	0
CHROMIUM	24/24	6.9	40	SB-198-05	--	--	19.0	19.0	12000 [11]	0	12000 N[11]	0	2000000000 [11]	0	1.98E+09 [11]	0
COBALT	13/14	2.6 J	68.1	SB-197-05	11	11	11.8	11.3	NC	NC	2.3 N	13	NC	NC	9.8	4
COPPER	24/24	4	47	SB-198-10	--	--	14.4	14.4	310	0	310 N	0	11000	0	1020	0
IRON	2/2	15700 J	17200 J	OW-5-4	--	--	16450	16450	5500	2	5500 N	2	NC	NC	12800	2
LEAD	23/24	2	18	SB-198-05	1	1	7.3	7.0	400	0	400	0	NC	NC	280 [12]	0
MANGANESE	2/2	67.3 J	123 J	OW-5-4	--	--	95.2	95.2	160	0	180 N	0	950	0	1140	0
MERCURY	12/24	0.007	0.03	SB-198-05	0.019	0.12	0.01	0.03	2.3 [13]	0	2.3 N[14]	0	NC	NC	NC	NC
NICKEL	23/24	3	49	SB-198-05	2.9	2.9	15.1	14.5	160	0	150 N	0	NC	NC	960	0
SELENIUM	2/24	1	3	SB-196-05	0.18	11	2.0	1.3	39	0	39 N	0	19	0	19	0
SILVER	2/19	0.12	0.21	OW-5-4	0.03	2.9	0.17	0.40	39	0	39 N	0	31	0	32	0
THALLIUM	2/24	0.053	0.073	OW-5-4	0.6	5	0.06	0.78	0.55	0	NC	NC	3.6	0	NC	NC
VANADIUM	14/14	13.3 J	72.7	SB-195-10	--	--	36.6	36.6	7.8	14	39 N[15]	5	730	0	3600	0
ZINC	19/24	8	145	SB-198-05	26	30	38.0	33.0	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	14/37	840 J	105000	SB-199-05	11000	13000	33046	16220	230000	0	NC	NC	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	21/46	34 J	980000	G-SB-728-4	110	12800	174565	81771	230000	5	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (%)																
PERCENT SOLIDS	186/186	68.6	94.7	SB-433-0203	--	--	85.5	85.5	NC	NC	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (s.u.)																
PH	2/2	5.7	7	SB-194-10	--	--	6.4	6.4	NC	NC	NC	NC	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - The value is for xylenes.
7 - The value for acenaphthene is used as a surrogate for acenaphthylene.
8 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
9 - The value is for PCB (total).
10 - The value is for polychlorinated biphenyls (high risk).
11 - The value is for trivalent chromium.
12 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
13 - The value is for mercury (inorganic/mercuric dichloride).
14 - The value is for mercuric chloride.
15 - The value is for vanadium and compounds.
16 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-15

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
Volatile Organics (ug/kg)															
1,1,1-TRICHLOROETHANE	1/7	1.3	J	1.3	J	OW-6-30	0.65	6.2	1.3	2.4	16000000	0	870000	N	0
1,1-DICHLOROETHANE	2/7	1.3	J	1.6	J	OW-6-20	0.42	6	1.5	2.2	1600000	0	3300	C	0
1,1-DICHLOROETHENE	2/7	5	J	7.4		OW-6-30	0.6	6	6.2	3.5	390000	0	24000	N	0
2-BUTANONE	1/7	27		27		MRC-MW95D-SO-214	12	57	27.0	15.4	4700000	0	2800000	N	0
ACETONE	3/7	7.8	J	9.7	J	OW-6-30	12	64	8.5	17.2	7000000	0	6100000	N	0
BENZENE	2/7	0.29	J	0.52	J	MRC-MW95D-SO-214	5.9	6.2	0.41	2.3	12000	0	1100	C	0
CIS-1,2-DICHLOROETHENE	3/7	0.87	J	4.1	J	OW-6-20	0.42	6	2.8	2.5	78000	0	16000	N	0
ETHYLBENZENE	1/7	0.41	J	0.41	J	MRC-MW95D-SO-214	5.9	6.2	0.41	2.6	780000	0	5400	C	0
METHYLENE CHLORIDE	2/7	9	J	11	J	SB-86-12	0.99	16	10.0	5.7	85000	0	11000	C	0
N-BUTYLBENZENE	1/7	0.35	J	0.35	J	MRC-MW95D-SO-214	5.9	6.2	0.35	2.6	NC	NC	NC		NC
O-XYLENE	1/7	0.59	J	0.59	J	MRC-MW95D-SO-214	5.9	6.2	0.59	2.7	1600000 [6]	0	380000	N	0
TOTAL XYLENES	1/5	1.5	J	1.5	J	MRC-MW95D-SO-214	12	12	1.5	5.1	1600000 [6]	0	63000	N	0
TRICHLOROETHENE	4/7	4	J	64		OW-6-30	0.49	6	23.0	14.0	1600	0	2800	C	0
Semivolatile Organics (ug/kg)															
PHENOL	2/2	960	J	980	J	SB-86-12	--	--	970	970	2300000	0	1800000	N	0
PAHs (ug/kg)															
1-METHYLNAPHTHALENE	5/32	7.9		120		G-SB-813-15-AVG, G-SB-813-15	3.7	8.3	42.0	8.4	NC	NC	22000	C	0
2-METHYLNAPHTHALENE	3/34	14		30		G-SB-806-15	3.7	390	23.0	15.5	31000	0	31000	N	0
ACENAPHTHENE	7/34	14	J	210	J	G-SB-813-15-AVG, G-SB-813-15	3.7	390	64.9	26.2	470000	0	340000	N	0
ACENAPHTHYLENE	11/34	9.1		190		G-SB-813-15-AVG, G-SB-813-15	3.7	390	57.7	31.3	470000	0	340000	N[7]	0
ANTHRACENE	13/34	9.1		630	J	G-SB-813-15-AVG, G-SB-813-15	3.8	390	150	69.8	2300000	0	1700000	N	0
BAP EQUIVALENT-1/2 NONDETECTS[12]	121/186	2.6		35343		G-SB-761-11	1.5	390	1756	1144	22	105	15		114
BAP EQUIVALENT-POSITIVE RESULTS[12]	121/186	0.54		35343		G-SB-761-11	1.5	390	1752	1141	22	103	15	C	111
BENZO(A)ANTHRACENE	117/186	1.9	J	30000		G-SB-761-11	1.1	390	1292	814	220	53	150	C	64
BENZO(A)PYRENE	117/186	6.2	J	24000		G-SB-761-11	1.5	390	1271	802	22	99	15	C	106
BENZO(B)FLUORANTHENE	118/184	2.1	J	27000		G-SB-761-11	1.3	4.3	1389	891	220	56	150	C	69
BENZO(B+K)FLUORANTHENE	1/2	74	J	74	J	SB-86-12	390	390	74.0	135	220 [8]	0	150	C[8]	0
BENZO(G,H,I)PERYLENE	15/34	10		1000	J	G-SB-813-15-AVG, G-SB-813-15	3.8	390	379	180	230000	0	170000	N[9]	0
BENZO(K)FLUORANTHENE	103/184	6.8	J	11000		G-SB-761-11	1.6	5.8	714	400	2200	9	1500	C	12
C1-CHRYSENES/BENZO(A)ANTHRACENES	2/6	460	J	1300	J	G-SB-812-15	83	86	905	330	NC	NC	NC		NC
C1-FLUORANTHENES/PYRENES	2/6	510	J	1400	J	G-SB-812-15	83	86	983	356	NC	NC	NC		NC
C1-PHENANTHRENES/ANTHRACENES	2/6	500	J	740	J	G-SB-812-15	83	86	643	242	NC	NC	NC		NC

Table 4-15

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
C2-CHRYSENES/BENZO(A)ANTHRACENES	2/6	250	J	720	J	G-SB-812-15	83	86	490	192	NC	NC	NC		NC
C2-NAPHTHALENES	1/6	66.5		90	J	G-SB-813-15	75	86	66.5	45.5	NC	NC	NC		NC
C2-PHENANTHRENES/ANTHRACENES	2/6	410	J	820	J	G-SB-812-15	83	86	625	237	NC	NC	NC		NC
C3-CHRYSENES/BENZO(A)ANTHRACENES	2/6	88	J	240	J	G-SB-812-15	83	86	164	82.9	NC	NC	NC		NC
C3-FLUORENES	1/6	130	J	130	J	G-SB-812-15	83	88	130	57.1	NC	NC	NC		NC
C3-NAPHTHALENES	1/6	76.5		110	J	G-SB-813-15	75	86	77	47.2	NC	NC	NC		NC
C3-PHENANTHRENES/ANTHRACENES	2/6	200	J	510	J	G-SB-812-15	83	86	365	150	NC	NC	NC		NC
C4-CHRYSENES/BENZO(A)ANTHRACENES	1/6	110	J	110	J	G-SB-812-15	83	88	110	53.8	NC	NC	NC		NC
C4-NAPHTHALENES	1/6	90	J	90	J	G-SB-812-15	83	88	90.0	50.4	NC	NC	NC		NC
C4-PHENANTHRENES/ANTHRACENES	1/6	170	J	170	J	G-SB-812-15	83	88	170	63.8	NC	NC	NC		NC
CHRYSENE	117/186	2	J	33000		G-SB-761-11	1	390	1454	916	22000	1	15000	C	2
DIBENZO(A,H)ANTHRACENE	56/186	4.725		4300		G-SB-761-11	1.5	390	412	127	22	51	15	C	53
FLUORANTHENE	23/34	8.4		2900	J	G-SB-813-15-AVG, G-SB-813-15	3.8	390	541	372	310000	0	230000	N	0
FLUORENE	6/34	22		280	J	G-SB-813-15-AVG, G-SB-813-15	3.7	390	90.7	28.9	310000	0	230000	N	0
INDENO(1,2,3-CD)PYRENE	108/186	1.4	J	12000		G-SB-761-11	0.43	390	719	420	220	43	150	C	50
NAPHTHALENE	4/34	13		37		G-SB-806-15	3.7	390	23.5	16.1	160000	0	3600	C	0
PAHs (continued) (ug/kg)															
PHENANTHRENE	18/34	12		2900	J	G-SB-813-15-AVG, G-SB-813-15	3.8	390	437	238	2300000	0	170000	N[9]	0
PYRENE	24/34	13		5200		G-SB-813-15-AVG, G-SB-813-15	3.8	390	913	651	230000	0	170000	N	0
Inorganics (mg/kg)															
ANTIMONY	1/6	0.28	J	0.28	J	OW-4-26	0.095	2.6	0.28	0.51	3.1	0	3.1	N	0
ARSENIC	10/11	0.19	L	5.6		G-SB-92RE-15	0.51	0.51	2.2	2.0	0.43	7	0.39	C	7
BARIUM	4/4	6		11.8		OW-6-20	--	--	8.5	8.5	1600	0	1500	N	0
BERYLLIUM	4/6	0.48		0.8		OW-6-20	2.6	2.6	0.65	0.87	16	0	16	N	0
CADMIUM	1/6	0.12		0.12		OW-6-20	0.0081	2.6	0.12	0.46	3.9	0	7	N	0
CHROMIUM	6/6	8.9	J	14		SB-85-12	--	--	10.5	10.5	12000 (10)	0	12000	N[10]	0
COBALT	4/4	2.1	J	8.1	J	OW-6-20	--	--	4.1	4.1	NC	NC	2.3	N	3
COPPER	6/6	4.6	J	12		SB-86-12, SB-85-12	--	--	7.9	7.9	310	0	310	N	0
IRON	4/4	6100	J	21600	J	OW-4-26	--	--	11600	11600	5500	4	5500	N	4
LEAD	6/6	2.5	J	16	J	SB-86-12	--	--	7.5	7.5	400	0	400		0
MANGANESE	4/4	30.6	J	156	J	OW-4-26	--	--	100	100	160	0	180	N	0
NICKEL	6/6	4.5	J	26	J	SB-85-12	--	--	12.1	12.1	160	0	150	N	0

Table 4-15

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
SELENIUM	2/6	0.22	L	0.24	L	OW-4-26	0.19	2.6	0.23	0.54	39	0	39	N	0
SILVER	3/4	0.047		0.089		OW-4-26	0.03	0.03	0.06	0.05	39	0	39	N	0
THALLIUM	4/6	0.031		0.05		OW-4-26	2	2.1	0.04	0.37	0.55	0	NC		NC
VANADIUM	4/4	10.1	J	19.2	J	OW-6-30	--	--	15.0	15.0	7.8	4	39	N[11]	0
ZINC	6/6	10.5	K	110		SB-85-12	--	--	35.3	35.3	2300	0	2300	N	0
Petroleum Hydrocarbons (ug/kg)															
DIESEL RANGE ORGANICS	1/2	13000	J	13000	J	SB-85-12	11000	11000	13000	9250	230000	0	NC		NC
Miscellaneous Parameters (%)															
PERCENT SOLIDS	4/4	80.5		84.2		OW-4-30	--	--	82.9	82.9	NC	NC	NC		NC
Miscellaneous Parameters (mg/kg)															
TOTAL ORGANIC CARBON	1/1	1320		1320		MRC-MW12[1213]	--	--	1320	1320	NC	NC	NC		NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
6 - The value is for xylenes.
7 - The value for acenaphthene is used as a surrogate for acenaphthylene.
8 - The value is for benzo(b)fluoranthene.
9 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
10 - The value is for trivalent chromium.
11 - The value is for vanadium and compounds.
12 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

TABLE 4-16

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOIL
TAX BLOCK G
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Construction Worker	Surface Soil	Incidental Ingestion	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.4	--
		Dermal Contact	6E-07	--	--	--	0.05	--
		Inhalation	1E-06	--	--	--	2	Target Organs HI < 1
		Total	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	2	Target Organs HI < 1
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.2	--
		Dermal Contact	2E-07	--	--	--	0.01	--
		Inhalation	9E-07	--	--	--	1	--
		Total	2E-06	--	--	--	2	Target Organs HI < 1
Industrial Worker	Surface Soil	Incidental Ingestion	7E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.10	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.04	--
		Inhalation	1E-08	--	--	--	0.0008	--
		Total	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.1	--
	Subsurface Soil	Incidental Ingestion	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.07	--
		Dermal Contact	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	1E-08	--	--	--	0.0006	--
		Total	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.09	--
Child Commercial Receptor	Surface Soil	Incidental Ingestion	7E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	1.0	--
		Dermal Contact	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.07	--
		Inhalation	2E-09	--	--	--	0.0002	--
		Total	9E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	1	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.7	--
		Dermal Contact	8E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.02	--
		Inhalation	1E-09	--	--	--	0.0002	--
		Total	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	0.7	--

TABLE 4-16

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOIL
TAX BLOCK G
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adolescent Commercial Receptor	Surface Soil	Incidental Ingestion	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.2	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.05	--
		Inhalation	2E-09	--	--	--	0.0002	--
		Total	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.2	--
	Subsurface Soil	Incidental Ingestion	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.1	--
		Dermal Contact	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	2E-09	--	--	--	0.0002	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.2	--
Lifelong Commercial Receptor (Child + Adolescent)	Surface Soil	Incidental Ingestion	8E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	4E-09	--	--	--	NA	--
		Total	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	NA	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	4E-09	--	--	--	NA	--
		Total	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
Adult Commercial Receptor	Surface Soil	Incidental Ingestion	7E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.10	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.04	--
		Inhalation	1E-08	--	--	--	0.0008	--
		Total	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.1	--
	Subsurface Soil	Incidental Ingestion	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.07	--
		Dermal Contact	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	1E-08	--	--	--	0.0006	--
		Total	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.09	--

TABLE 4-16

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOIL
TAX BLOCK G
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Child Recreational User	Surface Soil	Incidental Ingestion	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	2	Target Organs HI < 1
		Dermal Contact	5E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.2	--
		Inhalation	7E-09	--	--	--	0.0008	--
		Total	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	2	Target Organs HI < 1
	Subsurface Soil	Incidental Ingestion	5E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	1	--
		Dermal Contact	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	0.05	--
		Inhalation	5E-09	--	--	--	0.0006	--
		Total	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	1	--
Adolescent Recreational User	Surface Soil	Incidental Ingestion	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.3	--
		Dermal Contact	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.03	--
		Inhalation	9E-09	--	--	--	0.0008	--
		Total	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.4	--
	Subsurface Soil	Incidental Ingestion	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.3	--
		Dermal Contact	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.010	--
		Inhalation	8E-09	--	--	--	0.0006	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.3	--
Adult Recreational User	Surface Soil	Incidental Ingestion	7E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.2	--
		Dermal Contact	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.02	--
		Inhalation	7E-09	--	--	--	0.0008	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.2	--
	Subsurface Soil	Incidental Ingestion	3E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.1	--
		Dermal Contact	1E-06	--	--	--	0.007	--
		Inhalation	6E-09	--	--	--	0.0006	--
		Total	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.2	--

TABLE 4-16

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOIL
TAX BLOCK G
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Lifelong Recreational User (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	2E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	2E-08	--	--	--	NA	--
		Total	2E-04	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	2E-08	--	--	--	NA	--
		Total	8E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
Child Resident	Surface Soil	Incidental Ingestion	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	3	COBALT
		Dermal Contact	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.2	--
		Inhalation	3E-08	--	--	--	0.003	--
		Total	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	3	COBALT
	Subsurface Soil	Incidental Ingestion	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	2	Target Organs HI < 1
		Dermal Contact	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.07	--
		Inhalation	2E-08	--	--	--	0.003	--
		Total	9E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	2	Target Organs HI < 1
Adolescent Resident	Surface Soil	Incidental Ingestion	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.5	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.04	--
		Inhalation	4E-08	--	--	--	0.003	--
		Total	5E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.5	--
	Subsurface Soil	Incidental Ingestion	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.4	--
		Dermal Contact	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.01	--
		Inhalation	3E-08	--	--	--	0.003	--
		Total	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.4	--

TABLE 4-16

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOIL
TAX BLOCK G
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adult Resident	Surface Soil	Incidental Ingestion	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.3	--
		Dermal Contact	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.03	--
		Inhalation	3E-08	--	--	--	0.003	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.3	--
	Subsurface Soil	Incidental Ingestion	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.2	--
		Dermal Contact	2E-06	--	--	--	0.01	--
		Inhalation	3E-08	--	--	--	0.003	--
		Total	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.2	--
Lifelong Resident (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	2E-04	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	8E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Inhalation	1E-07	--	--	--	NA	--
		Total	3E-04	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	8E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	8E-08	--	--	--	NA	--
		Total	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--

Note: See Section 3 for benzo(a)pyrene equivalents calculation methodology.

Table 4-17

Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																			
1,2,3-TRIMETHYLBENZENE	1/7	0.4	J	0.4	J	SB-284-0102	5	6	0.40	2.6	NC	NC	NC		NC	NC	NC	NC	NC
2-BUTANONE	6/6	4	J	29.4		SB-201-SS	--	--	12.8	12.8	4700000	0	2800000	N	0	29000	0	30000	0
ACETONE	8/9	39	L	210	J	SB-201-SS	27	27	107	96.4	7000000	0	6100000	N	0	22000	0	90000	0
CARBON DISULFIDE	7/11	1.7	J	3	J	SB-202-SS, SB-286-0102, SB-282-0102	2.3	6	2.4	2.4	780000	0	82000	N	0	19000	0	6200	0
CHLOROMETHANE	1/11	3	J	3	J	SB-284-0102	1.9	12	3.0	3.8	NC	NC	12000	N	0	930	0	980	0
ETHYLBENZENE	2/11	0.31	J	1.5	J	SB-201-SS	1.9	6	0.91	2.2	780000	0	5400	C	0	15000	0	34	0
METHYLENE CHLORIDE	3/11	2.9	J	4.9	J	SB-202-SS	3	16	3.6	4.1	85000	0	11000	C	0	19	0	24	0
N-BUTYLBENZENE	1/11	0.9	J	0.9	J	SB-284-0102	1.9	6	0.90	2.1	NC	NC	NC		NC	NC	NC	NC	NC
NAPHTHALENE	4/11	2	J	180	J	SB-284-0102	0.94	6	55.6	21.5	160000	0	3600	C	0	150	1	9.4	2
TERTIARY-BUTYL ALCOHOL	2/4	5	J	7	J	SB-201-SS	8	11	6.0	5.4	NC	NC	NC		NC	NC	NC	NC	NC
TOLUENE	3/11	7.8		13.3		SB-202-SS	1.9	6	9.7	4.6	630000	0	500000	N	0	27000	0	32000	0
TRICHLOROETHENE	3/11	2.9		4.8		SB-202-SS	1.9	6	3.7	3.0	1600	0	2800	C	0	0.26	3	14.4	0
Semivolatile Organics (ug/kg)																			
BENZOIC ACID	3/11	67.4	J	723	J	SB-201-SS	767	990	297	413	NC	NC	24000000	N	0	NC	NC	680000	0
DI-N-BUTYL PHTHALATE	1/11	31	J	31	J	SB-203-SS	192	400	31.0	151	780000	0	610000	N	0	5000000	0	184000	0
DIBENZOFURAN	1/11	27	J	27	J	SB-200-SS	110	400	27.0	139	7800	0	7800	N	0	NC	NC	13600	0
PAHs (ug/kg)																			
1-METHYLNAPHTHALENE	3/15	10		210	J	SB-284-0102	3.7	400	134	111	NC	NC	22000	C	0	NC	NC	240	0
2-METHYLNAPHTHALENE	3/15	11		180	J	SB-284-0102	3.7	400	117	108	31000	0	31000	N	0	4400	0	15000	0
ACENAPHTHENE	4/15	43	J	130	J	SB-283-0102	3.7	400	102	98.2	470000	0	340000	N	0	100000	0	440000	0
ANTHRACENE	5/15	31	J	283		SB-200-SS	3.7	400	147	117	2300000	0	1700000	N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[12]	33/56	9		45883		H-SB-604D-1	1.4	400	2871	1716	22	24	15		26	NC	NC	70	12
BAP EQUIVALENT-POSITIVE RESULTS[12]	33/56	9		45883		H-SB-604D-1	1.4	400	2855	1707	22	24	15	C	26	120	10	70	10
BENZO(A)ANTHRACENE	18/29	11		38000		H-SB-604D-1	1	400	4215	2650	220	6	150	C	7	480	3	200	6
BENZO(A)PYRENE	33/56	9	J	33000		H-SB-604D-1	1.4	400	2098	1260	22	23	15	C	26	120	7	70	10
BENZO(B)FLUORANTHENE	18/29	11		31000		H-SB-604D-1	1.3	400	3754	2364	220	5	150	C	6	1500	3	700	3
BENZO(G,H,I)PERYLENE	4/15	37	J	180	J	SB-283-0102	3.7	400	104	109	230000	0	170000	N[6]	0	680000	0	2400000 [6]	0
BENZO(K)FLUORANTHENE	16/29	8.6		15000		H-SB-604D-1	1.9	400	1879	1077	2200	3	1500	C	3	15000	0	7000	2
CHRYSENE	18/29	9.7		33000		H-SB-604D-1	0.99	400	4006	2520	22000	1	15000	C	3	48000	0	22000	1
DIBENZO(A,H)ANTHRACENE	7/29	26		4500		H-SB-604D-1	1.4	400	1047	304	22	7	15	C	7	460	2	220	2
FLUORANTHENE	6/15	55	J	840		SB-200-SS	3.7	400	358	209	310000	0	230000	N	0	6300000	0	3200000	0
FLUORENE	5/15	28	J	180	J	SB-283-0102	3.7	400	114	106	310000	0	230000	N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	16/29	16		13000		H-SB-604D-1	1.6	400	1850	1063	220	3	150	C	5	4200	3	2400	3
NAPHTHALENE	3/15	42		239		SB-200-SS	3.7	400	160	116	160000	0	3600	C	0	150	2	9.4	3
PHENANTHRENE	6/15	42	J	1020		SB-200-SS	3.7	400	513	271	2300000	0	170000	N[6]	0	470000	0	2400000 [6]	0
PYRENE	9/15	8.5		970		SB-283-0102	3.9	400	305	245	230000	0	170000	N	0	680000	0	2400000	0
Inorganics (mg/kg)																			
ANTIMONY	4/10	0.6		1		SB-201-SS, SB-203-SS	0.34	0.71	0.88	0.48	3.1	0	3.1	N	0	13	0	13.2	0
ARSENIC	6/11	0.7		6.1		SB-282-0102	0.7	4.8	2.9	2.1	0.43	6	0.39	C	6	0.026	6	0.026	6
BARIUM	11/11	16.3		74		SB-201-SS	--	--	31.3	31.3	1600	0	1500	N	0	6000	0	6000	0
BERYLLIUM	10/11	0.23		1.4		SB-201-SS	0.37	0.37	0.70	0.65	16	0	16	N	0	1200	0	1160	0
CADMIUM	4/11	0.06		0.5		SB-201-SS	0.03	0.42	0.21	0.12	3.9	0	7	N	0	27	0	28	0
CHROMIUM	11/11	7.8		30.7		SB-286-0102	--	--	15.8	15.8	12000 [7]	0	12000	N[7]	0	2E+09 [7]	0	1980000000 [7]	0
COBALT	11/11	2.8		19.7		SB-201-SS	--	--	6.5	6.5	NC	NC	2.3	N	11	NC	NC	9.8	1
COPPER	11/11	4.5		13.6		SB-285-0102	--	--	6.9	6.9	310	0	310	N	0	11000	0	1020	0
LEAD	11/11	3.4		18		SB-201-SS	--	--	6.8	6.8	400	0	400		0	NC	NC	280 [8]	0

Table 4-17

Occurrence and Distribution of Chemicals - Surface Soil (0-2 feet) - Tax Block Soils
Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
MERCURY	25/48	0.01	1.14 L	SB-201-SS	0.01	0.021	0.13	0.07	2.3 [9]	0	2.3 N[10]	0	NC	NC	NC	NC
MOLYBDENUM	6/11	0.2	0.55 K	SB-294-0001	0.4	0.9	0.39	0.35	NC	NC	39 N	0	NC	NC	74	0
NICKEL	11/11	5.1	15	SB-285-0102	--	--	9.1	9.1	160	0	150 N	0	NC	NC	960	0
SELENIUM	1/11	2	2	SB-202-SS	0.29	2	2.0	0.57	39	0	39 N	0	19	0	19	0
SILVER	1/11	0.41 L	0.41 L	SB-293-0102	0.04	0.42	0.41	0.09	39	0	39 N	0	31	0	32	0
VANADIUM	11/11	13.1	37.9	SB-285-0102	--	--	21.7	21.7	7.8	11	39 N[11]	0	730	0	3600	0
ZINC	11/11	15.9	45	SB-201-SS	--	--	25.4	25.4	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	4/4	37300	2E+05	SB-201-SS	--	--	167575	167575	230000	1	NC	NC	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	2/11	3200	12000	SB-282-0102	2600	13300	7600	3710	230000	0	NC	NC	NC	NC	NC	NC
TPH (C09-C36)	6/7	3300 J	34000	SB-284-0102	6100	6100	19217	16907	NC	NC	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (ug/kg)																
MERCURY (METHYL)	1/1	0.219 J	0.219 J	SB-201-SS	--	--	0.22	0.22	780	0	780 N	0	NC	NC	NC	NC
Miscellaneous Parameters (%)																
PERCENT SOLIDS	27/27	78.1	90.3	SB-478-0102	--	--	87.3	87.3	NC	NC	NC	NC	NC	NC	NC	NC
TOTAL SOLIDS	7/7	82	92	SB-293-0102	--	--	87.7	87.7	NC	NC	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (s.u.)																
PH	1/1	6	6	SB-200-SS	--	--	6.0	6.0	NC	NC	NC	NC	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
7 - The value is for trivalent chromium.
8 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
9 - The value is for mercury (inorganic/mercuric dichloride).
10 - The value is for mercuric chloride.
11 - The value is for vanadium and compounds.
12 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-18

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
Volatile Organics (ug/kg)																
1,2,3-TRIMETHYLBENZENE	1/14	0.8 J	0.8 J	SB-285-0405	6	7	0.80	2.9	NC	NC	NC	NC	NC	NC	NC	NC
1,2,4-TRIMETHYLBENZENE	1/22	3.3	3.3	SB-200-10	0.55	7	3.3	2.3	NC	NC	6200 N	0	NC	NC	420	0
1,3,5-TRIMETHYLBENZENE	1/8	0.94 J	0.94 J	SB-200-10	1.98	2.35	0.94	1.0	NC	NC	78000 N	0	NC	NC	10400	0
2-BUTANONE	4/8	2.14 J	7.39 J	SB-201-05	7.92	9.41	4.8	4.5	4700000	0	2800000 N	0	29000	0	30000	0
ACETONE	17/19	4.4 J	111 J	SB-201-05	6	15	31.7	28.9	7000000	0	6100000 N	0	22000	0	90000	0
CARBON DISULFIDE	2/22	0.68 J	1.9 J	SB-201-05	2	7	1.3	2.4	780000	0	82000 N	0	19000	0	6200	0
ETHYLBENZENE	1/22	1.2 J	1.2 J	SB-200-10	2	7	1.2	2.3	780000	0	5400 C	0	15000	0	34	0
M+P-XYLENES	1/22	4.9	4.9	SB-200-10	4	14	4.9	4.8	1600000 [6]	0	63000 N[7]	0	3000 [6]	0	4000	0
METHYLENE CHLORIDE	2/22	2.4 J	3.8 J	SB-201-10	3	11	3.1	3.0	85000	0	11000 C	0	19	0	24	0
NAPHTHALENE	9/22	0.56 J	130	SB-285-0405	2	6	31.7	14.3	160000	0	3600 C	0	150	0	9.4	5
O-XYLENE	1/22	1.2 J	1.2 J	SB-200-10	2	7	1.2	2.3	1600000 [6]	0	380000 N	0	3000 [6]	0	24000	0
TERTIARY-BUTYL ALCOHOL	4/8	5 J	6 J	SB-203-10, SB-201-10	8	9	5.5	4.9	NC	NC	NC	NC	NC	NC	NC	NC
TOLUENE	7/22	1.5 J	7.6	SB-201-10	2.2	7	5.1	3.6	630000	0	500000 N	0	27000	0	32000	0
TRICHLOROETHENE	6/22	1.1 J	2.7	SB-201-10, SB-202-05	2	7	2.3	2.7	1600	0	2800 C	0	0.26	6	14.4	0
TRICHLOROFLUOROMETHANE	3/22	0.74 J	2 J	SB-293-0405	2	14	1.2	4.0	NC	NC	79000 N	0	NC	NC	16600	0
Semivolatile Organics (ug/kg)																
BENZOIC ACID	4/22	43 J	51 J	SB-201-10	773	1200	46.5	399	NC	NC	24000000 N	0	NC	NC	680000	0
DI-N-BUTYL PHTHALATE	1/22	38 J	38 J	SB-201-05	195	470	38.0	162	780000	0	610000 N	0	5000000	0	184000	0
DIBENZOFURAN	2/22	91 J	110 J	SB-285-0405	115	470	101	147	7800	0	7800 N	0	NC	NC	13600	0
N-NITROSODIPHENYLAMINE	1/22	34 J	34 J	SB-200-10	115	470	34.0	148	130000	0	99000 C	0	760	0	1500	0
PAHs (ug/kg)																
1-METHYLNAPHTHALENE	7/38	40	700	SB-285-0405	3.5	440	305	116	NC	NC	22000 C	0	NC	NC	240	4
2-METHYLNAPHTHALENE	7/38	37	1100	SB-285-0405	3.5	440	335	121	31000	0	31000 N	0	4400	0	15000	0
ACENAPHTHENE	8/38	30 J	430	SB-285-0405	3.5	440	185	98.3	470000	0	340000 N	0	100000	0	440000	0
ACENAPHTHYLENE	1/38	100	100	H-SB-814-09	3.5	470	100	86.2	470000	0	340000 N[8]	0	100000	0	440000 [8]	0
ANTHRACENE	9/38	34 J	595	SB-200-10	3.5	440	249	113	2300000	0	1700000 N	0	470000	0	7200000	0
BAP EQUIVALENT-1/2 NONDETECTS[15]	57/229	1.8	5337	H-SB-614-10	1.4	470	432	128	22	44	15	49	NC	NC	70	29
BAP EQUIVALENT-POSITIVE RESULTS[15]	57/229	0.9	5330	H-SB-614-10	1.4	470	414	123	22	42	15 C	48	120	24	70	28
BENZO(A)ANTHRACENE	49/121	4.8	3900	H-SB-614-10	1.1	470	390	176	220	16	150 C	18	480	10	200	17
BENZO(A)PYRENE	52/228	8.2	4300	H-SB-614-10	1.4	470	331	95.3	22	40	15 C	46	120	20	70	24
BENZO(B)FLUORANTHENE	45/121	7.9	4100	H-SB-614-10	1.3	470	403	169	220	16	150 C	18	1500	3	700	7
BENZO(G,H,I)PERYLENE	8/38	40	650	SB-285-0405	3.5	470	258	120	230000	0	170000 N[9]	0	680000	0	2400000 [9]	0
BENZO(K)FLUORANTHENE	36/121	7.8	1600	H-SB-614-10	1.9	470	196	79.1	2200	0	1500 C	1	15000	0	7000	0
CHRYSENE	47/121	10	3900	H-SB-282RE-9	1	470	441	190	22000	0	15000 C	0	48000	0	22000	0
DIBENZO(A,H)ANTHRACENE	17/121	18	430	H-SB-282RE-9	1.5	470	97.7	40.1	22	15	15 C	17	460	0	220	1
FLUORANTHENE	17/38	10	1770	SB-200-10	3.5	440	389	221	310000	0	230000 N	0	6300000	0	3200000	0
FLUORENE	8/38	32 J	507	SB-200-10	3.5	440	234	109	310000	0	230000 N	0	140000	0	540000	0
INDENO(1,2,3-CD)PYRENE	37/121	7.9	2100	H-SB-614-10	1.7	470	244	95.4	220	11	150 C	14	4200	0	2400	0
NAPHTHALENE	6/38	28	1200	SB-285-0405	3.5	440	385	121	160000	0	3600 C	0	150	4	9.4	6
PHENANTHRENE	13/38	16 J	2610	SB-200-10	3.5	440	738	300	2300000	0	170000 N[9]	0	470000	0	2400000 [9]	0
PYRENE	17/38	11	2900	SB-285-0405	3.5	440	640	333	230000	0	170000 N	0	680000	0	2400000	0
TOTAL PAHS	60/229	4.5	19600	H-SB-614-10	0	0	2207	578	NC	NC	NC	NC	NC	NC	NC	NC
Inorganics (mg/kg)																
ANTIMONY	2/20	0.8	0.9	SB-201-05	0.2	1.34	0.85	0.34	3.1	0	3.1 N	0	13	0	13.2	0
ARSENIC	15/22	1	7.4	SB-283-0910	0.54	5.3	3.5	2.8	0.43	15	0.39 C	15	0.026	15	0.026	15
BARIUM	22/22	2.8	79	SB-200-10	--	--	22.6	22.6	1600	0	1500 N	0	6000	0	6000	0
BERYLLIUM	19/22	0.33 L	4.5	SB-202-10	0.14	0.37	1.7	1.5	16	0	16 N	0	1200	0	1160	0

Table 4-18

Occurrence and Distribution of Chemicals - Subsurface Soil (2-10 feet) - Tax Block Soils
Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]	Maximum Concentration[1]	Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]	# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]	MDE Cleanup Standards - Groundwater Protection[4]	# Detects Greater than MDE Cleanup Standards - Groundwater Protection[1]	USEPA Soil Screening Level (SSL) for Groundwater Protection - Dilution Attenuation Factor (DAF) of 20[5]	# Detects Greater than USEPA SSL for Groundwater Protection - DAF of 20[1]
CADMIUM	7/22	0.08	0.2	SB-202-05, SB-202-10	0.03	0.46	0.12	0.09	3.9	0	7 N	0	27	0	28	0
CHROMIUM	22/22	7.5	90.4	SB-286-0405	--	--	28.8	28.8	12000 (10)	0	12000 N(10)	0	2000000000 (10)	0	1980000000 (10)	0
COBALT	22/22	1.8	30.8	SB-203-05	--	--	9.4	9.4	NC	NC	2.3 N	20	NC	NC	9.8	7
COPPER	21/22	4.1	23 K	SB-282-0405, SB-203-05	2.3	2.3	11.7	11.3	310	0	310 N	0	11000	0	1020	0
LEAD	21/22	1.6	17	SB-200-10, SB-202-05	4	4	7.5	7.2	400	0	400	0	NC	NC	280 (11)	0
MERCURY	15/128	0.01 L	0.24 L	SB-201-05	0.01	0.022	0.08	0.02	2.3 (12)	0	2.3 N(13)	0	NC	NC	NC	NC
MOLYBDENUM	8/22	0.17	1.2	SB-294-0910	0.15	0.6	0.48	0.31	NC	NC	39 N	0	NC	NC	74	0
NICKEL	22/22	2.7	44	SB-203-05	--	--	18.9	18.9	160	0	150 N	0	NC	NC	960	0
SELENIUM	2/22	3	3	SB-200-10, SB-201-10	0.27	2	3.0	0.73	39	0	39 N	0	19	0	19	0
SILVER	1/22	0.44 L	0.44 L	SB-293-0910	0.05	0.47	0.44	0.10	39	0	39 N	0	31	0	32	0
VANADIUM	22/22	5.7	52.9	SB-200-10	--	--	33.5	33.5	7.8	21	39 N(14)	9	730	0	3600	0
ZINC	22/22	4	83.1	SB-283-0910	--	--	37.6	37.6	2300	0	2300 N	0	14000	0	13600	0
Petroleum Hydrocarbons (ug/kg)																
DIESEL RANGE ORGANICS	6/8	11100	173000	SB-200-10	2400	3800	51233	38813	230000	0	NC	NC	NC	NC	NC	NC
GASOLINE RANGE ORGANICS	4/23	36 J	9000	SB-293-0405	2700	15200	4684	3493	230000	0	NC	NC	NC	NC	NC	NC
TPH (C09-C36)	8/14	2900 J	200000	SB-285-0405	2200	8700	65538	38607	NC	NC	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (mg/kg)																
HEXAVALENT CHROMIUM	1/5	0.78	0.78	SB-203-05	0.3	0.4	0.78	0.31	23	0	0.29 C	1	42	0	0.0166	1
TOTAL ORGANIC CARBON	1/1	1350	1350	MRC-MW08[0809]	--	--	1350	1350	NC	NC	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (%)																
PERCENT SOLIDS	108/108	73.9	90.9	SB-474-0506	--	--	84.2	84.2	NC	NC	NC	NC	NC	NC	NC	NC
TOTAL SOLIDS	14/14	70	87	SB-282-0910	--	--	82.1	82.1	NC	NC	NC	NC	NC	NC	NC	NC
Miscellaneous Parameters (s.u.)																
PH	2/2	4.9	5	SB-200-10	--	--	5.0	5.0	NC	NC	NC	NC	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.
6 - The value is for xylenes.
7 - The value is for xylene, mixture.
8 - The value for acenaphthene is used as a surrogate for acenaphthylene.
9 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
10 - The value is for trivalent chromium.
11 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
12 - The value is for mercury (inorganic/mercuric dichloride).
13 - The value is for mercuric chloride.
14 - The value is for vanadium and compounds.
15 - See Section 3 for BaP equivalent calculation methodology.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NC = No criteria

Table 4-19

Occurrence and Distribution of Chemicals - Deep Subsurface Soil (10+ feet) - Tax Block Soils
Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Residential Soil[4]	# Detects Greater than MDE Cleanup Standards - Residential Soil[1]	Adjusted USEPA Regional Screening Level (RSL) - Residential Soil[5]		# Detects Greater than Adjusted USEPA (RSL) - Residential Soil[1]
PAHs (ug/kg)															
1-METHYLNAPHTHALENE	1/10	11		11		H-SB-816-11	3.9	4.2	11.0	2.9	NC	NC	22000	C	0
2-METHYLNAPHTHALENE	1/10	13		13		H-SB-816-11	3.9	4.2	13.0	3.1	31000	0	31000	N	0
ACENAPHTHENE	2/10	10		38	J	H-SB-816-11	3.9	4.1	24.0	6.4	470000	0	340000	N	0
ACENAPHTHYLENE	2/10	8		9		H-SB-815-13	3.9	4.1	8.5	3.3	470000	0	340000	N[6]	0
ANTHRACENE	3/10	12		58	J	H-SB-816-11	3.9	4.1	38.3	12.9	2300000	0	1700000	N	0
BAP EQUIVALENT-1/2 NONDETECTS[8]	36/61	2.6		2123		H-SB-282REC-11	1.5	33	240	143	22	25	15		29
BAP EQUIVALENT-POSITIVE RESULTS[8]	36/61	0.96		2121		H-SB-282REC-11	1.5	33	239	142	22	25	15	C	26
BENZO(A)ANTHRACENE	34/61	5.775		1800		H-SB-282REC-11	1.1	24	212	119	220	7	150	C	8
BENZO(A)PYRENE	31/61	5.15		1700		H-SB-282REC-11	1.5	33	206	106	22	23	15	C	24
BENZO(B)FLUORANTHENE	33/61	4.8		1500		H-SB-282REC-11	1.4	31	215	117	220	7	150	C	11
BENZO(G,H,I)PERYLENE	5/10	9		160		H-SB-815-13	3.9	4	69.6	35.8	230000	0	170000	N[7]	0
BENZO(K)FLUORANTHENE	26/61	9.8		620		H-SB-282REC-11	1.9	44	120	52.5	2200	0	1500	C	0
C1-CHRYSENES	1/2	240	J	240	J	H-SB-816-11	78	78	240	140	NC	NC	NC		NC
C1-FLUORANTHENES/PYRENES	1/2	290	J	290	J	H-SB-816-11	78	78	290	165	NC	NC	NC		NC
C1-PHENANTHRENES/ANTHRACENES	1/2	220	J	220	J	H-SB-816-11	78	78	220	130	NC	NC	NC		NC
C2-CHRYSENES	1/2	140	J	140	J	H-SB-816-11	78	78	140	89.5	NC	NC	NC		NC
C2-PHENANTHRENES/ANTHRACENES	1/2	180	J	180	J	H-SB-816-11	78	78	180	110	NC	NC	NC		NC
C3-PHENANTHRENES/ANTHRACENES	1/2	100	J	100	J	H-SB-816-11	78	78	100	69.5	NC	NC	NC		NC
CHRYSENE	33/61	6.275		2000		H-SB-282REC-11	1	23	237	129	22000	0	15000	C	0
DIBENZO(A,H)ANTHRACENE	7/61	14		210		H-SB-282RE-13	1.4	33	59.9	8.3	22	5	15	C	6
FLUORANTHENE	6/10	9.7		210		H-SB-815-13	3.9	4	81.8	49.9	310000	0	230000	N	0
FLUORENE	3/10	8.7		42	J	H-SB-816-11	3.9	4.1	22.2	8.1	310000	0	230000	N	0
INDENO(1,2,3-CD)PYRENE	28/61	13		830		H-SB-282REC-11	1.7	39	122	57.0	220	4	150	C	5
NAPHTHALENE	1/10	10		10		H-SB-815-13	3.9	4.1	10.0	2.8	160000	0	3600	C	0
PHENANTHRENE	4/10	11		170	J	H-SB-816-11	3.9	4	80.0	33.2	2300000	0	170000	N[7]	0
PYRENE	5/10	12		340	J	H-SB-816-11	3.9	4	154	78.1	230000	0	170000	N	0

Notes:

1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.

2 - Average of positive analytical results only.

3 - Average of all analytical results are calculated using half of the detection limit for nondetects.

4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.

5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010. RSL cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0. The SSL at a DAF of 20 is 20x the SSL at a DAF of 1.

6 - The value for acenaphthene is used as a surrogate for acenaphthylene.

7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.

Definitions:

BaP = Benzo(a)pyrene
C = Carcinogen
J = Estimated value
N = Noncarcinogen
NC = No criteria

TABLE 4-20

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK H
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Construction Worker	Surface Soil	Incidental Ingestion	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.1	--
		Dermal Contact	2E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.009	--
		Inhalation	5E-07	--	--	--	0.3	--
		Total	8E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.4	--
	Subsurface Soil	Incidental Ingestion	5E-07	--	--	--	0.1	--
		Dermal Contact	1E-07	--	--	--	0.007	--
		Inhalation	6E-07	--	--	--	0.4	--
		Total	1E-06	--	--	--	0.5	--
Industrial Worker	Surface Soil	Incidental Ingestion	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.03	--
		Dermal Contact	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.008	--
		Inhalation	5E-09	--	--	--	0.0001	--
		Total	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.03	--
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.03	--
		Dermal Contact	2E-06	--	--	--	0.007	--
		Inhalation	1E-08	--	--	--	0.0003	--
		Total	3E-06	--	--	--	0.04	--
Child Commercial Receptor	Surface Soil	Incidental Ingestion	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC	0.3	--
		Dermal Contact	6E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.01	--
		Inhalation	1E-09	--	--	--	0.00004	--
		Total	3E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.3	--
	Subsurface Soil	Incidental Ingestion	8E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.3	--
		Dermal Contact	3E-06	--	--	HEXAVALENT CHROMIUM	0.01	--
		Inhalation	2E-09	--	--	--	0.00009	--
		Total	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.3	--

TABLE 4-20

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK H
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks $> 10^{-4}$	Chemicals with Cancer Risks $> 10^{-5}$ and $\leq 10^{-4}$	Chemicals with Cancer Risks $> 10^{-6}$ and $\leq 10^{-5}$	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adolescent Commercial Receptor	Surface Soil	Incidental Ingestion	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.05	--
		Dermal Contact	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.010	--
		Inhalation	1E-09	--	--	--	0.00004	--
		Total	8E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.06	--
	Subsurface Soil	Incidental Ingestion	2E-06	--	--	--	0.06	--
		Dermal Contact	2E-06	--	--	--	0.009	--
		Inhalation	3E-09	--	--	--	0.00009	--
		Total	4E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	0.07	--
Lifelong Commercial Receptor (Child + Adolescent)	Surface Soil	Incidental Ingestion	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC	NA	--
		Dermal Contact	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	NA	--
		Inhalation	2E-09	--	--	--	NA	--
		Total	3E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	6E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	4E-09	--	--	--	NA	--
		Total	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
Adult Commercial Receptor	Surface Soil	Incidental Ingestion	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.03	--
		Dermal Contact	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.008	--
		Inhalation	5E-09	--	--	--	0.0001	--
		Total	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.03	--
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.03	--
		Dermal Contact	2E-06	--	--	--	0.007	--
		Inhalation	1E-08	--	--	--	0.0003	--
		Total	3E-06	--	--	--	0.04	--

TABLE 4-20

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK H
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks $> 10^{-4}$	Chemicals with Cancer Risks $> 10^{-5}$ and $\leq 10^{-4}$	Chemicals with Cancer Risks $> 10^{-6}$ and $\leq 10^{-5}$	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Child Recreational User	Surface Soil	Incidental Ingestion	4E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.5	--
		Dermal Contact	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	HEXAVALENT CHROMIUM	0.03	--
		Inhalation	2E-08	--	--	--	0.0006	--
		Total	5E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.5	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.6	--
		Dermal Contact	7E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	0.03	--
		Inhalation	3E-08	--	--	--	0.001	--
		Total	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.6	--
Adolescent Recreational User	Surface Soil	Incidental Ingestion	7E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.09	--
		Dermal Contact	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.006	--
		Inhalation	5E-09	--	--	--	0.0001	--
		Total	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.10	--
	Subsurface Soil	Incidental Ingestion	4E-06	--	--	ARSENIC	0.1	--
		Dermal Contact	2E-06	--	--	--	0.006	--
		Inhalation	1E-08	--	--	--	0.0003	--
		Total	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.1	--
Adult Recreational User	Surface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.05	--
		Dermal Contact	8E-06	--	--	BENZO(A)PYRENE EQUIVALENTS	0.005	--
		Inhalation	3E-09	--	--	--	0.0001	--
		Total	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.06	--
	Subsurface Soil	Incidental Ingestion	1E-06	--	--	--	0.06	--
		Dermal Contact	5E-07	--	--	--	0.004	--
		Inhalation	7E-09	--	--	--	0.0003	--
		Total	2E-06	--	--	--	0.07	--

TABLE 4-20

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK H
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks > 10^{-4}	Chemicals with Cancer Risks > 10^{-5} and ≤ 10^{-4}	Chemicals with Cancer Risks > 10^{-6} and ≤ 10^{-5}	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Lifelong Recreational User (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	5E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	HEXAVALENT CHROMIUM	NA	--
		Inhalation	2E-08	--	--	--	NA	--
		Total	6E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	9E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	5E-08	--	--	--	NA	--
		Total	3E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
Child Resident	Surface Soil	Incidental Ingestion	5E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.7	--
		Dermal Contact	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	HEXAVALENT CHROMIUM	0.04	--
		Inhalation	2E-08	--	--	--	0.0006	--
		Total	7E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	0.7	--
	Subsurface Soil	Incidental Ingestion	2E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.8	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	0.04	--
		Inhalation	3E-08	--	--	--	0.001	--
		Total	3E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.9	--
Adolescent Resident	Surface Soil	Incidental Ingestion	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.1	--
		Dermal Contact	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.009	--
		Inhalation	2E-08	--	--	--	0.0006	--
		Total	1E-04	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC	0.1	--
	Subsurface Soil	Incidental Ingestion	5E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC	0.2	--
		Dermal Contact	2E-06	--	--	--	0.008	--
		Inhalation	4E-08	--	--	--	0.001	--
		Total	7E-06	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	0.2	--

TABLE 4-20

SUMMARY OF CANCER RISKS AND HAZARD INDICES - TAX BLOCK SOILS
TAX BLOCK H
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Receptor	Media	Exposure Route	Cancer Risk	Chemicals with Cancer Risks $> 10^{-4}$	Chemicals with Cancer Risks $> 10^{-5}$ and $\leq 10^{-4}$	Chemicals with Cancer Risks $> 10^{-6}$ and $\leq 10^{-5}$	Hazard Index	Chemicals Contributing to an Target Organ HI > 1
Adult Resident	Surface Soil	Incidental Ingestion	2E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.07	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS	0.007	--
		Inhalation	1E-08	--	--	--	0.0006	--
		Total	3E-05	--	BENZO(A)PYRENE EQUIVALENTS	--	0.08	--
	Subsurface Soil	Incidental Ingestion	2E-06	--	--	--	0.09	--
		Dermal Contact	7E-07	--	--	--	0.006	--
		Inhalation	3E-08	--	--	--	0.001	--
		Total	3E-06	--	--	--	0.09	--
Lifelong Resident (Child + Adolescent + Adult)	Surface Soil	Incidental Ingestion	6E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	2E-04	BENZO(A)PYRENE EQUIVALENTS	--	HEXAVALENT CHROMIUM	NA	--
		Inhalation	5E-08	--	--	--	NA	--
		Total	9E-04	BENZO(A)PYRENE EQUIVALENTS	--	ARSENIC, HEXAVALENT CHROMIUM	NA	--
	Subsurface Soil	Incidental Ingestion	3E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, ARSENIC, HEXAVALENT CHROMIUM	NA	--
		Dermal Contact	1E-05	--	--	BENZO(A)PYRENE EQUIVALENTS, HEXAVALENT CHROMIUM	NA	--
		Inhalation	1E-07	--	--	--	NA	--
		Total	4E-05	--	BENZO(A)PYRENE EQUIVALENTS	ARSENIC, HEXAVALENT CHROMIUM	NA	--

Note: See Section 3 for benzo(a)pyrene equivalents calculation methodology.

Table 4-21

Chemicals Retained as Block-Specific COPC for Migration to Groundwater - Surface Soil - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Block-Specific COPC?				
	Block D	Block E	Block F	Block G	Block H
Volatile Organic Compounds					
1,2,3-Trichlorobenzene		X			
1,2,4-Trichlorobenzene		X			
1,2,4-Trimethylbenzene	X			X	
1,1-Dichloroethane				X	
1,2-Dichlorobenzene		X			
1,3-Dichlorobenzene		X			
1,4-Dichlorobenzene		X			
Benzene	X				
Ethylbenzene	X				X
Methylene Chloride	X	X	X	X	X
Naphthalene	X	X		X	X
Tetrachloroethene		X			
Trichloroethene				X	X
Semivolatile Organic Compounds					
Carbazole	X	X	X	X	
Dibenzofuran	X	X	X		X
Polycyclic Aromatic Hydrocarbons					
1-Methylnaphthalene	X		X	X	X
2-Methylnaphthalene	X	X	X	X	X
Benzo(a)pyrene Equivalents[(1)]	X	X	X	X	X
Benzo(a)anthracene	X	X	X	X	X
Benzo(a)pyrene	X	X	X	X	X
Benzo(b)fluoranthene	X	X	X	X	X
Benzo(b+k)fluoranthene	NA	NA	NA	X	NA
Benzo(k)fluoranthene	X	X	X	X	X
Chrysene	X	X	X	X	X
Dibenzo(a,h)anthracene	X	X	X	X	X
Indeno(1,2,3-cd)pyrene	X	X	X	X	X
Naphthalene	X	X	X	X	X
Pesticides/PCBs					
Aroclor-1242		X			
Aroclor-1254		X	X	X	
Aroclor-1260	X	X	X	X	
Beta-BHC	X	NA			NA
Total Aroclor	X	X	X	X	
Inorganics					
Antimony	X	X	X	X	X
Arsenic	X	X	X	X	X
Cadmium	X	X	X	X	X
Cobalt	X	X	X	X	X
Copper	X	X	X	X	X
Iron	X	X	NA	NA	NA
Lead	X	X	X	X	X
Manganese	X	X	NA	NA	NA
Molybdenum	X	X	X		X
Nickel	X	X	X	X	X
Selenium	X	X	X	X	X
Silver	X	X	X		X
Miscellaneous Parameters					
Hexavalent Chromium	X	NA	X	NA	

Notes
X - Chemical was retained as a block-specific COPC.
NA - Not analyzed.

1 - See Section 3 for benzo(a)pyrene equivalents calculation methodology.

Table 4-22

Chemicals Retained as Block-Specific COPC for Migration to Groundwater - Subsurface Soil - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

	Block-Specific COPC?				
Parameter	**Block D**	**Block E**	**Block F**	**Block G**	**Block H**
Volatile Organic Compounds					
1,2,3-Trichlorobenzene		X			
1,2,4-Trichlorobenzene		X			
1,2,4-Trimethylbenzene	X	X	X	X	X
1,2-Dichlorobenzene		X			
1,2-Dichloroethane		X			
1,3-Dichlorobenzene		X			
1,4-Dichlorobenzene		X			
Acetone	X	X	X	X	X
Benzene	X	X		X	
Carbon Tetrachloride		X			
Chlorobenzene		X			
Ethylbenzene	X		X	X	X
m+p-Xylenes	X	X	X		X
Methylene Chloride	X	X	X	X	X
Naphthalene	X	X	X	X	X
Tetrachloroethene		X			
Total Xylenes	X	X	X	X	
Trichloroethene		X		X	X
Vinyl Chloride		X			
Semivolatile Organic Compounds					
Carbazole	X	X	X	X	
Dibenzofuran	X	X	X	X	X
N-nitrosodiphenylamine			X		X
Polycyclic Aromatic Hydrocarbons					
1-Methylnaphthalene	X		X	X	X
2-Methylnaphthalene	X	X	X	X	X
Acenaphthene	X	X	X	X	X
Benzo(a)pyrene Equivalents[(1)]	X	X	X	X	X
Benzo(a)anthracene	X	X	X	X	X
Benzo(a)pyrene	X	X	X	X	X
Benzo(b)fluoranthene	X	X	X	X	X
Benzo(k)fluoranthene	X	X	X	X	X
Chrysene	X	X	X	X	X
Dibenzo(a,h)anthracene	X	X	X	X	X
Indeno(1,2,3-cd)pyrene	X	X	X	X	X
Naphthalene	X	X	X	X	X
Pesticides/PCBs					
Aroclor-1254		X			
Aroclor-1260	X	X	X	X	
Beta-BHC	X	NA			NA
Total Aroclor	X	X	X	X	
Inorganics					
Antimony	X	X	X	X	X
Arsenic	X	X	X	X	X
Cobalt	X	X	X	X	X
Copper	X	X	X	X	X
Iron	X	X	NA	X	NA
Lead	X	X	X	X	X
Manganese	X	X	NA	X	NA
Nickel	X	X	X	X	X
Selenium	X	X	X	X	X
Silver	X	X	X	X	X
Miscellaneous Parameters					
Hexavalent Chromium	X	NA			X

Notes
X - Chemical was retained as a block-specific COPC.
NA - Not analyzed.

Table 4-23

Detected Concentrations Groundwater - May-June 2010
Lockheed Martin, Middle River Complex
Middle River, Maryland

BLOCK	MDE Cleanup Standards for Groundwater (Type I Aquifer)[1, 4]	USEPA Regional Screening Level forTap Water[2, 4]	USEPA MCL[3]	BLOCK D	BLOCK D	BLOCK D	BLOCK E	BLOCK E	BLOCK E	BLOCK E
LOCATION				MRC-MW35A	MRC-MW39A	MRC-MW40A	MRC-MW30A	MRC-MW31A	MRC-MW32A	MRC-MW34A
SAMPLE ID				MRC-MW35A-062510	MRC-MW39A-062110	MRC-MW40A-062410	MRC-MW30A-052810	MRC-MW31A-060110	MRC-MW32A-060210	MRC-MW34A-061510
SAMPLE DATE				20100625	20100621	20100624	20100528	20100601	20100602	20100615
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				GW	GW	GW	GW	GW	GW	GW
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
VOLATILES (UG/L)										
1,1,1-TRICHLOROETHANE	200	9100	200	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NC	59000	NC	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
1,1-DICHLOROETHANE	90	2.4	NC	0.15 U	0.15 U	0.15 U	0.25 J	0.15 U	0.15 U	0.15 U
1,1-DICHLOROETHENE	7	340	7	0.19 U	0.19 U	0.19 U	0.48 J	0.19 U	0.19 U	0.19 U
1,2,3-TRICHLOROBENZENE	NC	29	NC	0.17 U	0.17 U	0.17 UJ	0.17 U	0.17 U	0.19 B	0.17 U
1,2,4-TRICHLOROBENZENE	70	2.3	70	0.15 U	0.15 U	0.15 UJ	0.47 J	0.15 U	0.54 B	0.15 U
1,2-DICHLOROBENZENE	600	370	600	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,2-DICHLOROETHANE	5	0.15	5	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
1,3-DICHLOROBENZENE	1.8	NC	NC	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,4-DICHLOROBENZENE	75	0.43	75	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
ACETONE	550	22000	NC	3.7 B	5.7 B	2.8 B	5.7 B	7.9 B	6.6 B	3.6 B
BENZENE	5	0.41	5	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
CARBON TETRACHLORIDE	5	0.44	5	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
CHLOROBENZENE	100	91	100	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
CHLOROFORM	80	0.19	80	0.16 U	0.16 U	0.16 U	0.19 J	**0.92 J**	0.16 U	0.16 U
CHLOROMETHANE	19	190	NC	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 J
CIS-1,2-DICHLOROETHENE	70	73	70	0.44 J	0.17 U	0.17 U	18	0.36 J	0.17 U	0.17 U
METHYL TERT-BUTYL ETHER	20	12	NC	0.17 U	0.17 U	0.17 U	0.21 J	2 J	0.17 U	0.17 U
METHYLENE CHLORIDE	5	4.8	5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
TERTIARY-BUTYL ALCOHOL	NC	NC	NC	3.9 UR	3.9 UR	3.9 UR	3.9 UR	3.9 UR	3.9 UR	3.9 UR
TETRACHLOROETHENE	5	0.11	5	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
TRANS-1,2-DICHLOROETHENE	100	110	100	0.19 U	0.19 U	0.19 U	1.7	0.19 U	0.19 U	0.19 U
TRICHLOROETHENE	5	2	5	0.17 U	0.17 U	0.17 U	**29**	0.9 J	0.55 J	**15**
VINYL CHLORIDE	2	0.016	2	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
SEMIVOLATILES (UG/L)										
1,4-DIOXANE	NC	0.67	NC	NA	NA	NA	NA	NA	NA	NA
VOLATILE GASES (UG/L)										
ETHANE	NC	NC	NC	NA	NA	NA	NA	NA	NA	0.26 UJ
METHANE	NC	NC	NC	NA	NA	NA	NA	NA	NA	0.1 U
METALS (UG/L)										
ANTIMONY	6	15	6	0.96 J	0.027 U	0.027 B	0.46 B	0.035 B	0.027 U	0.053 B
ARSENIC	10	0.045	10	**31.2**	**1.9 J**	0.16 U	0.41 B	0.16 U	0.16 U	0.16 U
BARIUM	2000	7300	2000	74.1	47.6	26.4	92.2	89.6	21.9	95.8
BERYLLIUM	4	73	4	0.034 B	0.22 J	4	0.11 B	**5.7**	1 B	0.078 B
CADMIUM	5	18	5	0.025 UL	0.025 UL	0.025 U	0.046 B	0.039 B	0.025 U	0.047 B
CHROMIUM	100	NC	100	1.8 J	0.64 B	1.5 J	0.77 J	0.69 B	1.3 J	0.47 J
COBALT	NC	11	NC	1.8	5.8	**21.8**	2.9	**45.4**	3.2	0.99 J
COPPER	1300	1500	1300	0.38 B	0.13 B	7.1	0.87 B	25.2	3.7 B	0.26 B
IRON	300	26000	NC	**92900 K**	**28600**	129	142 B	**325**	**916**	6 U
LEAD	15	NC	15	0.28 B	0.038 B	0.045 B	0.11 B	0.47 J	0.42 B	0.019 UL
MANGANESE	50	880	NC	**254**	**256**	28.6	32	24.1	3.6 B	3.5
MOLYBDENUM	NC	180	NC	0.27 U	0.27 U	0.27 U	0.41 J	0.27 U	0.27 U	0.27 U
NICKEL	73	730	NC	0.47 J	7.5	29.8	4.7	**88.9**	5	1.2 B
POTASSIUM	NC	NC	NC	NA	NA	NA	NA	NA	NA	9010
SELENIUM	50	180	50	0.76 J	0.13 U	0.13 U	1.5 J	0.13 U	0.13 U	1.7 J
SILVER	100	180	NC	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
THALLIUM	2	NC	2	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
VANADIUM	3.7	180	NC	2.6 J	0.43 U	0.43 U	**9.6 J**	0.57 J	2.1 J	0.43 U
ZINC	5000	11000	NC	2.9 B	2.7 B	62	21.1 B	93.3	17.4 B	2.9 B
MISCELLANEOUS PARAMETERS (MG/L)										
ALKALINITY	NC	NC	NC	NA	NA	NA	NA	NA	NA	27
AMMONIA-N	NC	NC	NC	NA	NA	NA	NA	NA	NA	0.1 U
CHLORIDE	NC	NC	NC	NA	NA	NA	NA	NA	NA	69.8
DISSOLVED ORGANIC CARBON	NC	NC	NC	NA	NA	NA	NA	NA	NA	0.6 J
NITRATE-N	NC	NC	NC	NA	NA	NA	NA	NA	NA	1.1
ORTHOPHOSPHATE-P	NC	NC	NC	NA	NA	NA	NA	NA	NA	0.1 J
SULFATE	NC	NC	NC	NA	NA	NA	NA	NA	NA	11.3
TOTAL DISSOLVED SOLIDS	NC	NC	NC	NA	NA	NA	NA	NA	NA	220
MISCELLANEOUS PARAMETERS (UG/L)										
HEXAVALENT CHROMIUM	100	0.043	NC	NA	NA	NA	NA	NA	NA	**0.96 J**

Table 4-23

Detected Concentrations Groundwater - May-June 2010
Lockheed Martin, Middle River Complex
Middle River, Maryland
Page 2 of 8

BLOCK	MDE Cleanup Standards for Groundwater (Type I Aquifer)[1, 4]	USEPA Regional Screening Level forTap Water[2, 4]	USEPA MCL[3]	BLOCK E	BLOCK E	BLOCK E	BLOCK E	BLOCK E	BLOCK E	BLOCK E
LOCATION				MRC-MW34B	MRC-MW34C	MRC-MW36A	MRC-MW43A	MRC-MW44A	MRC-MW72A	MRC-MW72B
SAMPLE ID				MRC-MW34B-061710	MRC-MW34C-061710	MRC-MW36A-060310	MRC-MW43A-060210	MRC-MW44A-052810	MRC-MW72A-060310	MRC-MW72B-060310
SAMPLE DATE				20100617	20100617	20100603	20100602	20100528	20100603	20100603
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				GW	GW	GW	GW	GW	GW	GW
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
VOLATILES (UG/L)										
1,1,1-TRICHLOROETHANE	200	9100	200	0.22 U	0.22 U	0.55 U	110 U	0.22 U	0.22 U	37 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NC	59000	NC	0.28 U	0.28 U	0.7 U	140 U	0.28 U	0.28 U	47 U
1,1-DICHLOROETHANE	90	2.4	NC	0.82 J	0.15 U	0.38 U	75 U	0.15 U	0.58 J	25 U
1,1-DICHLOROETHENE	7	340	7	0.33 J	0.19 U	0.48 U	95 U	0.19 U	0.19 U	32 U
1,2,3-TRICHLOROBENZENE	NC	29	NC	0.17 U	0.17 U	16	**2000**	0.17 U	0.33 B	28 U
1,2,4-TRICHLOROBENZENE	70	2.3	70	0.15 U	0.15 U	**91**	**11000**	0.15 U	0.93 B	25 U
1,2-DICHLOROBENZENE	600	370	600	0.13 U	0.13 U	4.3	**450 J**	0.13 U	0.13 U	22 U
1,2-DICHLOROETHANE	5	0.15	5	0.22 U	0.22 U	0.55 U	110 U	0.22 U	0.22 U	37 U
1,3-DICHLOROBENZENE	1.8	NC	NC	0.14 U	0.14 U	**22**	70 U	0.14 U	0.14 U	23 U
1,4-DICHLOROBENZENE	75	0.43	75	0.13 U	0.13 U	**25**	**570**	0.13 U	0.13 U	22 U
ACETONE	550	22000	NC	6.9 B	5.5 B	7.8 J	550 U	6.8 B	13	180 U
BENZENE	5	0.41	5	0.13 U	0.13 U	**0.91 J**	65 U	0.13 U	0.13 U	22 U
CARBON TETRACHLORIDE	5	0.44	5	**13**	0.13 U	0.32 U	65 U	0.13 U	0.13 U	22 U
CHLOROBENZENE	100	91	100	0.15 U	0.15 U	37	75 U	0.15 U	0.15 U	25 U
CHLOROFORM	80	0.19	80	**3.2**	0.16 U	0.4 U	80 U	0.16 U	0.16 U	27 U
CHLOROMETHANE	19	190	NC	0.38 J	0.39 J	0.75 U	150 U	0.3 U	0.3 U	50 U
CIS-1,2-DICHLOROETHENE	70	73	70	22	0.17 U	0.63 J	85 U	0.17 U	2.8	28 U
METHYL TERT-BUTYL ETHER	20	12	NC	**21**	0.17 U	0.42 U	85 U	0.17 UJ	0.17 U	28 U
METHYLENE CHLORIDE	5	4.8	5	0.33 U	0.33 U	0.82 U	160 U	0.33 U	0.33 U	55 U
TERTIARY-BUTYL ALCOHOL	NC	NC	NC	31 L	3.9 UR	9.8 UR	2000 UR	3.9 UR	3.9 UR	650 UR
TETRACHLOROETHENE	5	0.11	5	0.29 U	0.29 U	0.72 U	140 U	0.29 U	0.29 U	48 U
TRANS-1,2-DICHLOROETHENE	100	110	100	1.9	0.19 U	0.48 U	95 U	0.19 U	0.19 U	32 U
TRICHLOROETHENE	5	2	5	**25**	0.17 U	**4.4**	85 U	0.17 U	0.8 J	**4200**
VINYL CHLORIDE	2	0.016	2	**3.8**	0.22 U	0.55 U	110 U	0.22 U	0.22 U	37 U
SEMIVOLATILES (UG/L)										
1,4-DIOXANE	NC	0.67	NC	NA	NA	NA	NA	**4.6**	NA	NA
VOLATILE GASES (UG/L)										
ETHANE	NC	NC	NC	0.55	NA	0.26 U	0.36 J	NA	NA	NA
METHANE	NC	NC	NC	150	NA	21	36	NA	NA	NA
METALS (UG/L)										
ANTIMONY	6	15	6	0.027 U	0.027 U	0.57 B	0.027 U	0.095 B	0.12 B	0.027 B
ARSENIC	10	0.045	10	0.45 B	0.63 B	**1.8 J**	0.16 U	**1.6 J**	0.16 U	0.16 U
BARIUM	2000	7300	2000	148	31	51	37.9	102	40.9	14.8
BERYLLIUM	4	73	4	**9.4**	0.11 B	3.4	1.6	0.12 B	0.042 B	0.79 J
CADMIUM	5	18	5	0.37 B	0.025 U	0.073 B	0.06 B	0.025 UL	0.025 U	0.025 U
CHROMIUM	100	NC	100	0.43 J	3.8	12	0.26 B	1.4 J	0.21 B	0.11 B
COBALT	NC	11	NC	**124**	1.4	**38.4**	**40.3**	0.89 J	0.97 J	10.6
COPPER	1300	1500	1300	36.8	3.3 B	10.6	0.8 B	0.46 B	0.2 B	1.7 B
IRON	300	26000	NC	**372**	**2220**	**13400**	**5120**	**33200**	**468**	43.5 J
LEAD	15	NC	15	0.019 UL	0.6 J	3.5	0.11 B	0.13 B	0.019 UL	0.019 UL
MANGANESE	50	880	NC	**417**	38.2	**81.2**	**878**	**363**	20.4	**68**
MOLYBDENUM	NC	180	NC	0.27 U	0.27 U	0.46 J	0.27 U	0.27 U	0.27 U	0.27 U
NICKEL	73	730	NC	**162**	4.1	52.8	38.9	0.44 B	1.4 B	12.4
POTASSIUM	NC	NC	NC	6380	NA	2260	4920	NA	NA	NA
SELENIUM	50	180	50	1.1 J	0.13 U	0.64 J	0.13 U	0.13 UL	0.44 J	0.13 U
SILVER	100	180	NC	0.015 UL	0.015 UL	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
THALLIUM	2	NC	2	0.26 B	0.13 U	0.29 B	0.13 U	0.13 U	0.13 U	0.13 U
VANADIUM	3.7	180	NC	1.7 J	**8.1 J**	**22.2**	0.43 U	1.2 J	0.43 U	0.65 B
ZINC	5000	11000	NC	329	11.4 B	92	62.6	69.8 B	26.2 B	116
MISCELLANEOUS PARAMETERS (MG/L)										
ALKALINITY	NC	NC	NC	5.1 B	NA	7.4	16	NA	NA	NA
AMMONIA-N	NC	NC	NC	0.1 U	NA	0.1 U	0.1 U	NA	NA	NA
CHLORIDE	NC	NC	NC	189	NA	19.8	58.9	NA	NA	NA
DISSOLVED ORGANIC CARBON	NC	NC	NC	2	NA	3	1	NA	NA	NA
NITRATE-N	NC	NC	NC	0.1	NA	0.2 J	0.1	NA	NA	NA
ORTHOPHOSPHATE-P	NC	NC	NC	0.4 J	NA	1.2 J	0.3 J	NA	NA	NA
SULFATE	NC	NC	NC	16.8	NA	18.9	4.8	NA	NA	NA
TOTAL DISSOLVED SOLIDS	NC	NC	NC	360	NA	100	140	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/L)										
HEXAVALENT CHROMIUM	100	0.043	NC	0.11 U	0.11 U	NA	NA	NA	NA	NA

Table 4-23

Detected Concentrations Groundwater - May-June 2010
Lockheed Martin, Middle River Complex
Middle River, Maryland

BLOCK	MDE Cleanup Standards for Groundwater (Type I Aquifer)[1, 4]	USEPA Regional Screening Level forTap Water[2, 4]	USEPA MCL[3]	BLOCK E	BLOCK E	BLOCK E	BLOCK E	BLOCK E	BLOCK E	BLOCK F
LOCATION				MRC-MW73A	MRC-MW73B	MRC-MW74A	MRC-MW74B	MRC-MW74C	MRC-MW62C	MRC-MW45A
SAMPLE ID				MRC-MW73A-060410	MRC-MW73B-060410	MRC-MW74A-060410	MRC-MW74B-060710	MRC-MW74C-060710	MRC-MW62C-052810	MRC-MW45A-062110
SAMPLE DATE				20100604	20100604	20100604	20100607	20100607	20100528	20100621
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				GW	GW	GW	GW	GW	GW	GW
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
VOLATILES (UG/L)										
1,1,1-TRICHLOROETHANE	200	9100	200	0.22 U	1.1 U	0.55 U	160 U	0.22 U	0.22 U	0.22 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NC	59000	NC	0.28 U	1.4 U	0.7 U	200 U	0.28 U	0.28 U	0.28 U
1,1-DICHLOROETHANE	90	2.4	NC	0.15 U	0.75 U	0.38 U	110 U	0.15 U	0.15 U	0.15 U
1,1-DICHLOROETHENE	7	340	7	0.19 U	0.95 U	0.48 U	140 U	0.19 U	0.19 U	0.19 U
1,2,3-TRICHLOROBENZENE	NC	29	NC	0.17 U	0.85 U	0.42 U	120 U	0.17 U	0.17 U	0.17 U
1,2,4-TRICHLOROBENZENE	70	2.3	70	0.15 U	0.75 U	0.38 U	110 U	0.15 U	0.15 U	0.15 U
1,2-DICHLOROBENZENE	600	370	600	0.13 U	0.65 U	0.32 U	93 U	0.13 U	0.13 U	0.13 U
1,2-DICHLOROETHANE	5	0.15	5	0.22 U	1.1 U	0.55 U	160 U	0.22 U	0.22 U	0.22 U
1,3-DICHLOROBENZENE	1.8	NC	NC	0.14 U	0.7 U	0.45 J	100 U	0.14 U	0.14 U	0.14 U
1,4-DICHLOROBENZENE	75	0.43	75	0.13 U	0.65 U	**1.3 J**	93 U	0.13 U	0.13 U	0.13 U
ACETONE	550	22000	NC	9.9	10 J	5.7 J	790 U	7.9	9.6 B	5 B
BENZENE	5	0.41	5	0.13 U	0.65 U	0.32 U	93 U	0.13 U	0.13 U	0.13 U
CARBON TETRACHLORIDE	5	0.44	5	0.13 U	0.65 U	0.32 U	93 U	0.13 U	0.13 U	0.13 U
CHLOROBENZENE	100	91	100	0.15 U	0.75 U	1.3 J	110 U	0.15 U	0.15 U	0.15 U
CHLOROFORM	80	0.19	80	0.16 U	0.8 U	0.4 U	110 U	0.16 U	0.16 U	0.16 U
CHLOROMETHANE	19	190	NC	1.3	1.5 U	0.75 U	210 U	0.3 U	0.3 U	0.53 J
CIS-1,2-DICHLOROETHENE	70	73	70	0.17 U	3.1 J	2.7	**360 J**	0.17 U	0.17 U	0.17 U
METHYL TERT-BUTYL ETHER	20	12	NC	0.17 U	0.85 U	0.42 U	120 U	0.17 U	0.17 UJ	0.17 U
METHYLENE CHLORIDE	5	4.8	5	0.33 U	1.6 U	0.82 U	240 U	0.33 U	0.33 U	0.33 U
TERTIARY-BUTYL ALCOHOL	NC	NC	NC	3.9 UR	20 UR	9.8 UR	2800 UR	3.9 UR	3.9 UR	3.9 UR
TETRACHLOROETHENE	5	0.11	5	0.29 U	1.4 U	0.72 U	210 U	0.29 U	0.29 U	0.29 U
TRANS-1,2-DICHLOROETHENE	100	110	100	0.19 U	0.95 U	0.48 U	140 U	0.19 U	0.19 U	0.19 U
TRICHLOROETHENE	5	2	5	0.17 U	**150**	**78**	**19000**	**3.7**	0.17 U	0.17 U
VINYL CHLORIDE	2	0.016	2	0.22 U	1.1 U	0.55 U	160 U	0.22 U	0.22 U	0.22 U
SEMIVOLATILES (UG/L)										
1,4-DIOXANE	NC	0.67	NC	NA	NA	NA	NA	0.49 U	0.49 U	0.49 U
VOLATILE GASES (UG/L)										
ETHANE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
METHANE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
METALS (UG/L)										
ANTIMONY	6	15	6	0.1 B	0.027 U	0.05 B	0.1 B	0.27 B	0.4 B	1.2 J
ARSENIC	10	0.045	10	**0.16 J**	0.16 U	**0.75 J**	0.28 B	**1.1 J**	**1.2 J**	**0.99 J**
BARIUM	2000	7300	2000	37.4	30.7	60.8	33.2	32	42.5	22
BERYLLIUM	4	73	4	0.36 J	1.9 B	0.87 J	0.39 B	0.22 B	0.0059 U	0.32 J
CADMIUM	5	18	5	0.062 B	0.025 U	0.14 B	0.11 B	0.025 U	0.025 U	0.14 B
CHROMIUM	100	NC	100	0.61 J	0.25 B	1.9 J	1.2 J	3.5	1.5 J	7.3
COBALT	NC	11	NC	9.9	**19.2**	**45.2**	**13.8**	2.4	**15.7**	4.3
COPPER	1300	1500	1300	2 B	3.8 B	5.1 B	2.6 B	3.4 B	1.7 B	20.2
IRON	300	26000	NC	**503**	**826**	**4580**	**1240**	**4630**	**2450**	**5680**
LEAD	15	NC	15	0.019 UL	0.019 UL	0.17 B	0.099 B	0.71 J	0.49 J	11.8
MANGANESE	50	880	NC	33.6	**102**	**3370**	**202**	45	**388**	**187**
MOLYBDENUM	NC	180	NC	0.27 U	0.27 U	0.27 U	0.27 U	0.75 B	0.62 B	0.41 J
NICKEL	73	730	NC	22.8	19.5	9.7	17.6	4.3	24.5	49.9
POTASSIUM	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
SELENIUM	50	180	50	0.54 J	0.13 U	1 J	0.26 B	0.15 B	0.13 U	0.2 J
SILVER	100	180	NC	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.1 B
THALLIUM	2	NC	2	0.13 U	0.13 U	0.13 U	0.19 B	0.13 U	0.13 U	0.13 U
VANADIUM	3.7	180	NC	1.3 B	1.2 B	2.5 J	2.1 J	**4.9 J**	**8.4 J**	**7.3 J**
ZINC	5000	11000	NC	27.8 B	56.6	119	290	361	53.8	**5520**
MISCELLANEOUS PARAMETERS (MG/L)										
ALKALINITY	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
AMMONIA-N	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
CHLORIDE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
DISSOLVED ORGANIC CARBON	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
NITRATE-N	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
ORTHOPHOSPHATE-P	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
SULFATE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
TOTAL DISSOLVED SOLIDS	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/L)										
HEXAVALENT CHROMIUM	100	0.043	NC	NA	NA	NA	NA	NA	NA	NA

Table 4-23

Detected Concentrations Groundwater - May-June 2010
Lockheed Martin, Middle River Complex
Middle River, Maryland

BLOCK	MDE Cleanup Standards for Groundwater (Type I Aquifer)[1, 4]	USEPA Regional Screening Level forTap Water[2, 4]	USEPA MCL[3]	BLOCK F	BLOCK G	BLOCK G	BLOCK G	BLOCK G	BLOCK G	BLOCK G
LOCATION				MRC-MW46A	MRC-MW09A	MRC-MW10A	MRC-MW11A	MRC-MW11C	MRC-MW12A	MRC-MW12B
SAMPLE ID				MRC-MW46A-060310	MRC-MW09A-061710	MRC-MW10A-062510	MRC-MW11A-062310	MRC-MW11C-061710	MRC-MW12A-061610	MRC-MW12B-061610
SAMPLE DATE				20100603	20100617	20100625	20100623	20100617	20100616	20100616
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				GW	GW	GW	GW	GW	GW	GW
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
VOLATILES (UG/L)										
1,1,1-TRICHLOROETHANE	200	9100	200	0.22 U	0.22 U	0.22 U	0.31 U	0.22 U	12 U	2 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NC	59000	NC	0.28 U	0.28 U	0.28 U	0.4 U	0.28 U	16 U	2.5 U
1,1-DICHLOROETHANE	90	2.4	NC	0.15 U	0.15 U	0.42 J	**9.8**	0.15 U	**22 J**	**4.6 J**
1,1-DICHLOROETHENE	7	340	7	0.19 U	0.19 U	0.91 J	**57**	0.19 U	**280**	**32**
1,2,3-TRICHLOROBENZENE	NC	29	NC	0.17 U	0.17 U	0.17 U	0.24 U	0.17 U	9.4 U	1.5 U
1,2,4-TRICHLOROBENZENE	70	2.3	70	0.15 U	0.15 U	0.15 U	0.21 U	0.15 U	8.3 UJ	1.4 U
1,2-DICHLOROBENZENE	600	370	600	0.13 U	0.13 U	0.13 U	0.19 U	0.13 U	7.2 U	1.2 U
1,2-DICHLOROETHANE	5	0.15	5	0.22 U	0.22 U	0.22 U	0.31 U	0.22 U	12 U	2 U
1,3-DICHLOROBENZENE	1.8	NC	NC	0.14 U	0.14 U	0.14 U	0.2 U	0.14 U	7.8 U	1.3 U
1,4-DICHLOROBENZENE	75	0.43	75	0.13 U	0.13 U	0.13 U	0.19 U	0.13 U	7.2 U	1.2 U
ACETONE	550	22000	NC	7.5	5.1 B	1.1 U	3.2 B	4 B	61 U	10 U
BENZENE	5	0.41	5	0.13 U	0.13 U	0.13 U	0.19 U	0.13 U	7.2 U	1.2 U
CARBON TETRACHLORIDE	5	0.44	5	0.13 U	0.13 U	0.13 U	0.19 U	0.13 U	7.2 U	1.2 U
CHLOROBENZENE	100	91	100	0.15 U	0.15 U	0.15 U	0.21 U	0.15 U	8.3 U	1.4 U
CHLOROFORM	80	0.19	80	0.16 U	0.16 U	0.16 U	0.23 U	0.16 U	8.9 U	1.5 U
CHLOROMETHANE	19	190	NC	0.3 U	0.32 J	0.3 U	0.43 U	0.3 U	17 U	2.7 U
CIS-1,2-DICHLOROETHENE	70	73	70	0.17 U	0.17 U	0.6 J	7.7	0.17 U	**120**	30
METHYL TERT-BUTYL ETHER	20	12	NC	0.17 U	0.17 U	0.17 U	0.24 U	0.17 U	9.4 U	1.5 U
METHYLENE CHLORIDE	5	4.8	5	0.33 U	0.33 U	0.33 U	0.47 U	0.33 U	57 B	7.6 B
TERTIARY-BUTYL ALCOHOL	NC	NC	NC	3.9 UR	3.9 UR	3.9 UR	5.6 UR	3.9 UR	220 UR	35 UR
TETRACHLOROETHENE	5	0.11	5	0.29 U	0.29 U	0.29 U	0.41 U	0.29 U	16 U	2.6 U
TRANS-1,2-DICHLOROETHENE	100	110	100	0.19 U	0.19 U	0.19 U	0.27 U	0.19 U	11 U	1.7 U
TRICHLOROETHENE	5	2	5	0.17 U	0.17 U	0.17 U	**12**	0.17 U	**1600**	**300**
VINYL CHLORIDE	2	0.016	2	0.22 U	0.22 U	0.22 U	**2.1**	0.22 U	12 U	2 U
SEMIVOLATILES (UG/L)										
1,4-DIOXANE	NC	0.67	NC	0.49 U	0.49 U	**0.96 J**	**5**	0.49 U	**160**	**43**
VOLATILE GASES (UG/L)										
ETHANE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
METHANE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
METALS (UG/L)										
ANTIMONY	6	15	6	0.73 B	0.37 J	0.22 B	1.1 J	0.067 J	0.26 B	0.19 B
ARSENIC	10	0.045	10	**1.8 J**	**1.7 J**	**3.8 J**	**2.5 J**	**1.7 J**	**0.69 J**	**0.66 J**
BARIUM	2000	7300	2000	131	41.8	81.8	41.7	54.4	74	77.6
BERYLLIUM	4	73	4	0.53 J	0.0059 U	0.23 J	0.009 B	1.2	0.32 J	0.12 B
CADMIUM	5	18	5	0.17 B	0.025 U	0.025 UL	0.025 U	0.1 B	0.03 B	0.037 B
CHROMIUM	100	NC	100	0.37 B	0.6 J	1.2 J	0.61 B	7.2	1.9 J	0.93 J
COBALT	NC	11	NC	**19.8**	1.1	**63.8**	**58.3**	**25.9**	**34.7**	**19.2**
COPPER	1300	1500	1300	4 K	1.2 B	1.7 B	0.92 B	16.7	3.1 B	2.4 B
IRON	300	26000	NC	**1020**	**1440**	**71000**	**96800**	**6400**	**36900**	**7550**
LEAD	15	NC	15	0.42 J	0.019 UL	0.77 J	0.47 J	6.5	1.5 L	0.61 J
MANGANESE	50	880	NC	**159**	**361**	**6530**	**7410**	**111**	**1880**	**1730**
MOLYBDENUM	NC	180	NC	1.2 J	0.54 J	0.27 U	0.37 B	0.27 U	0.27 J	0.27 U
NICKEL	73	730	NC	19.8	2.3 K	18.8	11.7	34.6	66.6	44.5
POTASSIUM	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
SELENIUM	50	180	50	0.13 U	0.36 J	0.33 J	0.29 B	0.62 J	0.2 B	0.13 U
SILVER	100	180	NC	0.015 U	0.015 UL	0.015 U	0.015 B	0.015 UL	0.019 B	0.015 U
THALLIUM	2	NC	2	0.13 U	0.13 U	0.14 B	0.2 B	0.18 B	0.13 U	0.13 U
VANADIUM	3.7	180	NC	1.3 B	**5.6 J**	1.1 J	1.5 J	**9.7 J**	2.7 B	0.58 B
ZINC	5000	11000	NC	794	22 B	118	177	83.8	107	72.3
MISCELLANEOUS PARAMETERS (MG/L)										
ALKALINITY	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
AMMONIA-N	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
CHLORIDE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
DISSOLVED ORGANIC CARBON	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
NITRATE-N	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
ORTHOPHOSPHATE-P	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
SULFATE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
TOTAL DISSOLVED SOLIDS	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/L)										
HEXAVALENT CHROMIUM	100	0.043	NC	NA	0.11 U	NA	NA	NA	0.11 U	0.11 U

Table 4-23

Detected Concentrations Groundwater - May-June 2010
Lockheed Martin, Middle River Complex
Middle River, Maryland
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BLOCK	MDE Cleanup Standards for Groundwater (Type I Aquifer)[1, 4]	USEPA Regional Screening Level forTap Water[2, 4]	USEPA MCL[3]	BLOCK G	BLOCK G	BLOCK G	BLOCK G	BLOCK G	BLOCK G	BLOCK G
LOCATION				MRC-MW12C	MRC-MW13A	MRC-MW14A	MRC-MW14B	MRC-MW14C	MRC-MW15A	MRC-MW16A
SAMPLE ID				MRC-MW12C-061510	MRC-MW13A-062510	MRC-MW14A-062210	MRC-MW14B-062210	MRC-MW14C-061510	MRC-MW15A-062210	MRC-MW16A-062310
SAMPLE DATE				20100615	20100625	20100622	20100622	20100615	20100622	20100623
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				GW	GW	GW	GW	GW	GW	GW
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
VOLATILES (UG/L)										
1,1,1-TRICHLOROETHANE	200	9100	200	0.22 U	0.22 U	0.22 U	22 U	0.22 U	0.44 U	0.22 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NC	59000	NC	0.28 U	0.28 U	0.28 U	28 U	0.28 U	0.56 U	0.28 U
1,1-DICHLOROETHANE	90	2.4	NC	0.15 U	0.15 U	2.3	**49 J**	0.15 U	**16**	**7.1**
1,1-DICHLOROETHENE	7	340	7	0.19 U	0.19 U	2.9	**780**	0.19 U	**55**	**23**
1,2,3-TRICHLOROBENZENE	NC	29	NC	0.17 U	0.17 U	0.17 U	17 U	0.17 U	0.34 U	0.17 U
1,2,4-TRICHLOROBENZENE	70	2.3	70	0.15 U	0.15 U	0.15 U	15 U	0.15 U	0.3 U	0.15 U
1,2-DICHLOROBENZENE	600	370	600	0.13 U	0.13 U	0.13 U	13 U	0.13 U	0.26 U	0.13 U
1,2-DICHLOROETHANE	5	0.15	5	0.22 U	0.22 U	0.22 U	22 U	0.22 U	**0.59 J**	0.22 U
1,3-DICHLOROBENZENE	1.8	NC	NC	0.14 U	0.14 U	0.14 U	14 U	0.14 U	0.28 U	0.14 U
1,4-DICHLOROBENZENE	75	0.43	75	0.13 U	0.13 U	0.13 U	13 U	0.13 U	0.26 U	0.13 U
ACETONE	550	22000	NC	6 B	1.3 B	3.7 B	110 U	6 B	5.1 B	6.5 B
BENZENE	5	0.41	5	0.13 U	0.13 U	0.13 U	13 U	0.13 U	0.26 U	0.13 U
CARBON TETRACHLORIDE	5	0.44	5	0.13 U	0.13 U	0.13 U	13 U	0.13 U	0.26 U	0.13 U
CHLOROBENZENE	100	91	100	0.15 U	0.15 U	0.15 U	15 U	0.15 U	0.3 U	0.15 U
CHLOROFORM	80	0.19	80	0.16 U	0.16 U	0.16 U	16 U	0.16 U	0.32 U	0.16 U
CHLOROMETHANE	19	190	NC	0.3 U	0.3 U	0.49 J	30 U	0.3 U	0.6 U	0.3 U
CIS-1,2-DICHLOROETHENE	70	73	70	0.17 U	0.28 J	22	49 J	0.17 U	0.34 U	2.3
METHYL TERT-BUTYL ETHER	20	12	NC	0.17 U	0.17 U	0.17 U	17 U	0.17 U	0.34 U	0.17 U
METHYLENE CHLORIDE	5	4.8	5	0.33 U	0.33 U	0.33 U	**40 J**	0.33 U	0.66 U	0.33 U
TERTIARY-BUTYL ALCOHOL	NC	NC	NC	3.9 UR	3.9 UR	3.9 UR	390 UR	3.9 UR	7.8 UR	3.9 UR
TETRACHLOROETHENE	5	0.11	5	0.29 U	0.29 U	0.29 U	29 U	0.29 U	0.58 U	**3.7**
TRANS-1,2-DICHLOROETHENE	100	110	100	0.19 U	0.19 U	5.1	19 U	0.19 U	0.38 U	0.19 U
TRICHLOROETHENE	5	2	5	0.17 U	0.17 U	**10**	**2800**	0.17 U	0.34 U	**5.5**
VINYL CHLORIDE	2	0.016	2	0.22 U	**0.22 J**	**0.53 J**	22 U	0.22 U	**7.2**	**1.1**
SEMIVOLATILES (UG/L)										
1,4-DIOXANE	NC	0.67	NC	0.49 U	0.49 U	**6.1**	**360**	0.49 U	**17**	**4.7**
VOLATILE GASES (UG/L)										
ETHANE	NC	NC	NC	NA	NA	NA	0.27 J	NA	NA	NA
METHANE	NC	NC	NC	NA	NA	NA	33	NA	NA	NA
METALS (UG/L)										
ANTIMONY	6	15	6	0.32 B	0.34 J	0.069 B	0.58 B	0.34 B	0.58 B	**6.1**
ARSENIC	10	0.045	10	**0.75 J**	**2.1 J**	**1.5 J**	**1.1 J**	**0.71 J**	**13.8**	**0.67 J**
BARIUM	2000	7300	2000	24.2	74.6	62.1	66.5	63.4	124	67.8
BERYLLIUM	4	73	4	0.45 J	0.076 B	0.048 B	0.41 J	0.25 B	1	0.41 J
CADMIUM	5	18	5	0.031 B	0.025 U	0.025 UL	0.18 B	0.04 B	0.13 B	0.25 B
CHROMIUM	100	NC	100	5.8	0.96 J	0.38 B	7.2	6.8	8.2	1.7 B
COBALT	NC	11	NC	6.7	2.2	**54.5**	**43**	7.6	**42**	**27.9**
COPPER	1300	1500	1300	15.9	1.7 B	0.2 B	10	8.2	8.8	5.1 J
IRON	300	26000	NC	**4890**	**1720**	**47100**	**49400**	**19900**	**44500**	**703**
LEAD	15	NC	15	2 L	0.94 J	0.081 B	4.8	1.9	5.9	3.3
MANGANESE	50	880	NC	**53.4**	**658**	**2800**	**1720**	**1060**	**4950**	**635**
MOLYBDENUM	NC	180	NC	0.46 B	0.82 B	0.27 U	0.56 J	0.58 B	0.72 J	1 B
NICKEL	73	730	NC	12	2.8	42.5	72.6	15.3	16.7	38.5
POTASSIUM	NC	NC	NC	NA	NA	NA	3910	NA	NA	NA
SELENIUM	50	180	50	0.23 J	0.21 J	0.13 U	0.19 J	0.3 J	4.1 J	1.2 J
SILVER	100	180	NC	0.015 U	0.015 U	0.015 U	0.31 J	0.02 B	0.04 B	0.028 B
THALLIUM	2	NC	2	0.21 B	0.13 U	0.13 U	0.13 U	0.2 B	0.16 B	0.13 U
VANADIUM	3.7	180	NC	**8.1 J**	2.9 J	0.43 U	**10.6 J**	**9.8 J**	**13.4 J**	**5.7 J**
ZINC	5000	11000	NC	30.1 K	151	22.5 B	88.2	30.4 K	54.4	112
MISCELLANEOUS PARAMETERS (MG/L)										
ALKALINITY	NC	NC	NC	NA	NA	NA	11 B	NA	NA	NA
AMMONIA-N	NC	NC	NC	NA	NA	NA	0.3	NA	NA	NA
CHLORIDE	NC	NC	NC	NA	NA	NA	104	NA	NA	NA
DISSOLVED ORGANIC CARBON	NC	NC	NC	NA	NA	NA	5	NA	NA	NA
NITRATE-N	NC	NC	NC	NA	NA	NA	0.023 U	NA	NA	NA
ORTHOPHOSPHATE-P	NC	NC	NC	NA	NA	NA	0.12 B	NA	NA	NA
SULFATE	NC	NC	NC	NA	NA	NA	69.4	NA	NA	NA
TOTAL DISSOLVED SOLIDS	NC	NC	NC	NA	NA	NA	320	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/L)										
HEXAVALENT CHROMIUM	100	0.043	NC	0.11 U	NA	0.11 U	0.11 U	0.11 U	**0.71 J**	NA

Table 4-23

Detected Concentrations Groundwater - May-June 2010
Lockheed Martin, Middle River Complex
Middle River, Maryland

BLOCK	MDE Cleanup Standards for Groundwater (Type I Aquifer)[1, 4]	USEPA Regional Screening Level forTap Water[2, 4]	USEPA MCL[3]	BLOCK G	BLOCK G	BLOCK G	BLOCK G	BLOCK G	BLOCK G	BLOCK H
LOCATION				MRC-MW54A	MRC-MW63A	MRC-MW70A	MRC-MW70B	MRC-MW71A	MRC-MW71B	MRC-MW08A
SAMPLE ID				MRC-MW54A-052510	MRC-MW63A-062510	MRC-MW70A-062210	MRC-MW70B-062210	MRC-MW71A-062310	MRC-MW71B-062310	MRC-MW08A-060110
SAMPLE DATE				20100525	20100625	20100622	20100622	20100623	20100623	20100601
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				GW	GW	GW	GW	GW	GW	GW
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
VOLATILES (UG/L)										
1,1,1-TRICHLOROETHANE	200	9100	200	0.22 U	0.22 U	0.22 U	0.22 U	1.3	1.1 U	0.22 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NC	59000	NC	0.28 U	0.28 U	0.28 U	0.28 U	0.56 J	1.4 U	0.28 U
1,1-DICHLOROETHANE	90	2.4	NC	0.15 U	0.45 J	0.81 J	1.5	**2.9**	**3.5 J**	0.15 U
1,1-DICHLOROETHENE	7	340	7	0.19 U	0.19 U	0.53 J	**11**	**40**	**34**	0.19 U
1,2,3-TRICHLOROBENZENE	NC	29	NC	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.85 UJ	0.17 U
1,2,4-TRICHLOROBENZENE	70	2.3	70	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.75 UJ	0.15 U
1,2-DICHLOROBENZENE	600	370	600	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.65 U	0.13 U
1,2-DICHLOROETHANE	5	0.15	5	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	1.1 U	0.22 U
1,3-DICHLOROBENZENE	1.8	NC	NC	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.7 U	0.14 U
1,4-DICHLOROBENZENE	75	0.43	75	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.65 U	0.13 U
ACETONE	550	22000	NC	6.3 B	1.1 U	6.4 B	5.8 B	4.9 B	5.5 U	6.1 B
BENZENE	5	0.41	5	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.65 U	0.13 U
CARBON TETRACHLORIDE	5	0.44	5	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.65 U	0.13 U
CHLOROBENZENE	100	91	100	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.75 U	0.15 U
CHLOROFORM	80	0.19	80	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.8 U	0.16 U
CHLOROMETHANE	19	190	NC	0.3 U	0.3 U	0.3 U	0.43 J	0.3 U	1.5 U	0.3 U
CIS-1,2-DICHLOROETHENE	70	73	70	0.17 U	0.35 J	1.1	23	0.17 U	8.2	0.17 U
METHYL TERT-BUTYL ETHER	20	12	NC	0.17 UJ	0.17 U	0.17 U	0.17 U	0.17 U	0.85 U	0.17 UJ
METHYLENE CHLORIDE	5	4.8	5	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	4.2 B	0.33 U
TERTIARY-BUTYL ALCOHOL	NC	NC	NC	3.9 UR	3.9 UR	3.9 UR	3.9 UR	3.9 UR	20 UR	3.9 UR
TETRACHLOROETHENE	5	0.11	5	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	1.4 U	0.29 U
TRANS-1,2-DICHLOROETHENE	100	110	100	0.19 U	0.19 U	0.19 U	0.52 J	0.19 U	0.95 U	0.19 U
TRICHLOROETHENE	5	2	5	0.17 U	0.47 J	0.73 J	**34**	0.55 J	**58**	0.17 U
VINYL CHLORIDE	2	0.016	2	0.22 U	0.22 U	0.22 U	**0.77 J**	**0.4 J**	1.1 U	0.22 U
SEMIVOLATILES (UG/L)										
1,4-DIOXANE	NC	0.67	NC	0.49 U	NA	**1.5**	**17**	0.49 U	0.49 U	0.49 U
VOLATILE GASES (UG/L)										
ETHANE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
METHANE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
METALS (UG/L)										
ANTIMONY	6	15	6	0.027 U	0.08 B	0.52 B	0.59 B	0.48 B	0.73 J	0.062 B
ARSENIC	10	0.045	10	0.16 U	**1.3 J**	**8.2**	**12.4**	**0.98 J**	**0.33 J**	**1.2 J**
BARIUM	2000	7300	2000	15.6	120	145	680	54	92.6	191
BERYLLIUM	4	73	4	0.32 B	0.063 B	3	**4.5**	**8.7**	0.026 J	0.53 B
CADMIUM	5	18	5	0.025 U	0.041 J	0.57 J	0.082 B	2.1	0.082 B	0.091 B
CHROMIUM	100	NC	100	0.21 B	0.66 J	25.2	**233**	2.3	0.88 B	1.3 J
COBALT	NC	11	NC	0.18 J	**60.6**	**52.6**	**27.6**	**54.6**	**72.5**	**127**
COPPER	1300	1500	1300	0.12 B	0.31 B	21.4	28.8	3.1 B	0.84 B	2.1 B
IRON	300	26000	NC	243	**17000**	**86800**	**81300**	**2590**	**29100**	**63200**
LEAD	15	NC	15	0.085 B	0.057 B	**21.2**	**42.8**	1.9	0.52 J	0.92 J
MANGANESE	50	880	NC	24.2	**578**	**3010**	**848**	**1370**	**3400**	**39500**
MOLYBDENUM	NC	180	NC	0.27 U	0.27 U	0.85 J	1.8 J	0.27 U	0.81 B	0.27 U
NICKEL	73	730	NC	1.3 J	**77.6**	59	64.5	**115**	**82.9**	**261**
POTASSIUM	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
SELENIUM	50	180	50	0.13 UL	0.2 J	4 J	8.9	0.55 B	0.13 B	0.19 B
SILVER	100	180	NC	0.015 U	0.015 U	0.28 J	0.046 B	0.015 U	0.015 U	0.015 U
THALLIUM	2	NC	2	0.13 U	0.13 U	0.13 U	0.51 B	0.13 U	0.13 U	0.13 U
VANADIUM	3.7	180	NC	0.43 U	0.43 U	**45.9**	**279**	**4.2 J**	3.2 J	1.5 J
ZINC	5000	11000	NC	3.8 B	37.8	690	1760	310	247	162
MISCELLANEOUS PARAMETERS (MG/L)										
ALKALINITY	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
AMMONIA-N	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
CHLORIDE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
DISSOLVED ORGANIC CARBON	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
NITRATE-N	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
ORTHOPHOSPHATE-P	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
SULFATE	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
TOTAL DISSOLVED SOLIDS	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/L)										
HEXAVALENT CHROMIUM	100	0.043	NC	NA	NA	NA	NA	NA	NA	NA

Table 4-23

Detected Concentrations Groundwater - May-June 2010
Lockheed Martin, Middle River Complex
Middle River, Maryland

BLOCK LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE	MDE Cleanup Standards for Groundwater (Type I Aquifer)[1, 4]	USEPA Regional Screening Level forTap Water[2, 4]	USEPA MCL[3]	BLOCK H MRC-MW52A MRC-MW52A-052410 20100524 NORMAL GW NORMAL	BLOCK H MRC-MW53A MRC-MW53A-052410 20100524 NORMAL GW NORMAL
VOLATILES (UG/L)					
1,1,1-TRICHLOROETHANE	200	9100	200	0.22 U	2.2 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NC	59000	NC	0.28 U	2.8 U
1,1-DICHLOROETHANE	90	2.4	NC	1.9	1.5 U
1,1-DICHLOROETHENE	7	340	7	0.19 U	**8.1 J**
1,2,3-TRICHLOROBENZENE	NC	29	NC	0.17 U	1.7 U
1,2,4-TRICHLOROBENZENE	70	2.3	70	0.15 U	1.5 U
1,2-DICHLOROBENZENE	600	370	600	0.13 U	1.3 U
1,2-DICHLOROETHANE	5	0.15	5	0.22 U	2.2 U
1,3-DICHLOROBENZENE	1.8	NC	NC	0.14 U	1.4 U
1,4-DICHLOROBENZENE	75	0.43	75	0.13 U	1.3 U
ACETONE	550	22000	NC	18 B	11 U
BENZENE	5	0.41	5	0.13 U	1.3 U
CARBON TETRACHLORIDE	5	0.44	5	0.13 U	1.3 U
CHLOROBENZENE	100	91	100	0.15 U	1.5 U
CHLOROFORM	80	0.19	80	**0.23 J**	**2.3 J**
CHLOROMETHANE	19	190	NC	0.3 U	3 U
CIS-1,2-DICHLOROETHENE	70	73	70	0.17 U	6.6 J
METHYL TERT-BUTYL ETHER	20	12	NC	0.17 UJ	1.7 UJ
METHYLENE CHLORIDE	5	4.8	5	**6.4 J**	3.3 U
TERTIARY-BUTYL ALCOHOL	NC	NC	NC	3.9 UR	39 UR
TETRACHLOROETHENE	5	0.11	5	0.29 U	2.9 U
TRANS-1,2-DICHLOROETHENE	100	110	100	0.19 U	1.9 U
TRICHLOROETHENE	5	2	5	0.17 U	**270**
VINYL CHLORIDE	2	0.016	2	0.22 U	2.2 U
SEMIVOLATILES (UG/L)					
1,4-DIOXANE	NC	0.67	NC	NA	**12**
VOLATILE GASES (UG/L)					
ETHANE	NC	NC	NC	NA	NA
METHANE	NC	NC	NC	NA	NA
METALS (UG/L)					
ANTIMONY	6	15	6	0.33 B	0.11 B
ARSENIC	10	0.045	10	**1.3 J**	0.16 U
BARIUM	2000	7300	2000	947	97.2
BERYLLIUM	4	73	4	**75.7**	**7.7**
CADMIUM	5	18	5	3.5	0.21 J
CHROMIUM	100	NC	100	1.1 B	2.3 B
COBALT	NC	11	NC	**2470**	**51.8**
COPPER	1300	1500	1300	130	11.8
IRON	300	26000	NC	**16000**	45.8 B
LEAD	15	NC	15	1.4	0.18 B
MANGANESE	50	880	NC	**33400**	**226**
MOLYBDENUM	NC	180	NC	0.27 U	0.27 U
NICKEL	73	730	NC	**1720**	**94.5**
POTASSIUM	NC	NC	NC	NA	NA
SELENIUM	50	180	50	1.8 J	0.14 B
SILVER	100	180	NC	0.26 J	0.015 U
THALLIUM	2	NC	2	1.2	0.13 U
VANADIUM	3.7	180	NC	0.43 U	0.43 U
ZINC	5000	11000	NC	3200	176
MISCELLANEOUS PARAMETERS (MG/L)					
ALKALINITY	NC	NC	NC	NA	NA
AMMONIA-N	NC	NC	NC	NA	NA
CHLORIDE	NC	NC	NC	NA	NA
DISSOLVED ORGANIC CARBON	NC	NC	NC	NA	NA
NITRATE-N	NC	NC	NC	NA	NA
ORTHOPHOSPHATE-P	NC	NC	NC	NA	NA
SULFATE	NC	NC	NC	NA	NA
TOTAL DISSOLVED SOLIDS	NC	NC	NC	NA	NA
MISCELLANEOUS PARAMETERS (UG/L)					
HEXAVALENT CHROMIUM	100	0.043	NC	NA	NA

Table 4-23

Detected Concentrations Table for Groundwater
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010.
3 - 2009 Edition of the Drinking Water Standards and Health Advisories (USEPA, October 2009).
4 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for tap water are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.

Definitions: NC = no criterion available; MCL = Maximum Contaminant Level; SDWA = Safe Drinking Water Act
Qualifiers: B = present in blank; J = estimated; K = biased high; L = biased low; U = non-detected; R = rejected

A shaded chemical name indicates that at least one sample concentration exceeds at least one criterion.

Table 4-24

Occurrence and Distribution of Chemicals - Groundwater - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Groundwater[4]	# Detects Greater than MDE Cleanup Standards - Groundwater[1]	USEPA RBC - Tap Water[5]	# Detects Greater than USEPA RBC - Tap Water[1]	# Detects Greater than 10X USEPA RBC - Tap Water[1]	USEPA MCL[6]	# Detects Greater than USEPA MCL [1]
Volatile Organics (ug/L)																	
1,1-DICHLOROETHANE	3/17	0.25	J	0.82	J	MRC-MW34B-061710	0.15	110	0.55	6.4	90	0	2.4	0	0	NC	NC
1,1-DICHLOROETHENE	2/17	0.33	J	0.48	J	MRC-MW30A-052810	0.19	140	0.41	8.0	7	0	340	0	0	7	0
1,2,3-TRICHLOROBENZENE	2/17	16		2000		MRC-MW43A-060210	0.17	120	1008	123	NC	NC	29	1	1	NC	NC
1,2,4-TRICHLOROBENZENE	3/17	0.47	J	11000		MRC-MW43A-060210	0.15	110	3697	657	70	2	2.3	2	2	70	2
1,2-DICHLOROBENZENE	2/17	4.3		450	J	MRC-MW43A-060210	0.13	93	227	30.2	600	0	370	1	0	600	0
1,3-DICHLOROBENZENE	2/17	0.45	J	22		MRC-MW36A-060310	0.14	100	11.2	7.1	1.8	1	NC	NC	NC	NC	NC
1,4-DICHLOROBENZENE	3/17	1.3	J	570		MRC-MW43A-060210	0.13	93	199	38.5	75	1	0.43	3	2	75	1
ACETONE	6/17	5.7	J	13		MRC-MW72A-060310	3.6	790	9.1	49.4	550	0	22000	0	0	NC	NC
BENZENE	1/17	0.91	J	0.91	J	MRC-MW36A-060310	0.13	93	0.91	5.4	5	0	0.41	1	0	5	0
CARBON TETRACHLORIDE	1/17	13		13		MRC-MW34B-061710	0.13	93	13.0	6.1	5	1	0.44	1	1	5	1
CHLOROBENZENE	2/17	1.3	J	37		MRC-MW36A-060310	0.15	110	19.2	8.5	100	0	91	0	0	100	0
CHLOROFORM	3/17	0.19	J	3.2		MRC-MW34B-061710	0.16	110	1.4	6.7	80	0	0.19	2	1	80	0
CHLOROMETHANE	4/17	0.3	J	1.3		MRC-MW73A-060410	0.3	210	0.59	12.3	19	0	190	0	0	NC	NC
CIS-1,2-DICHLOROETHENE	8/17	0.36	J	360	J	MRC-MW74B-060710	0.17	85	51.2	27.5	70	1	73	1	0	70	1
METHYL TERT-BUTYL ETHER	3/17	0.21	J	21		MRC-MW34B-061710	0.17	120	7.7	8.3	20	1	12	1	0	NC	NC
TERTIARY-BUTYL ALCOHOL	1/1	31	L	31	L	MRC-MW34B-061710			31.0	31.0	NC	NC	NC	NC	NC	NC	NC
TRANS-1,2-DICHLOROETHENE	2/17	1.7		1.9		MRC-MW34B-061710	0.19	140	1.8	8.2	100	0	110	0	0	100	0
TRICHLOROETHENE	12/17	0.55	J	19000		MRC-MW74B-060710	0.17	85	1959	1385	5	7	2	9	6	5	7
VINYL CHLORIDE	1/17	3.8		3.8		MRC-MW34B-061710	0.22	160	3.8	9.4	2	1	0.016	1	1	2	1
Semivolatile Organics (ug/L)																	
1,4-DIOXANE	1/3	4.6		4.6		MRC-MW44A-052810	0.49	0.49	4.6	1.7	NC	NC	0.67	1	0	NC	NC
Volatile Gases (ug/L)																	
ETHANE	2/4	0.36	J	0.55		MRC-MW34B-061710	0.26	0.26	0.46	0.29	NC	NC	NC	NC	NC	NC	NC
METHANE	3/4	21		150		MRC-MW34B-061710	0.1	0.1	69.0	51.8	NC	NC	NC	NC	NC	NC	NC
Inorganics (ug/L)																	
ARSENIC	6/17	0.16	J	1.8	J	MRC-MW36A-060310	0.16	0.63	1.1	0.47	10	0	0.045	6	5	10	0
BARIUM	17/17	14.8		148		MRC-MW34B-061710			56.6	56.6	2000	0	7300	0	0	2000	0
BERYLLIUM	7/17	0.36	J	9.4		MRC-MW34B-061710	0.0059	1.9	3.2	1.4	4	2	73	0	0	4	2
CHROMIUM	12/17	0.43	J	12		MRC-MW36A-060310	0.11	0.69	2.4	1.7	100	0	NC	NC	NC	100	0
COBALT	17/17	0.89	J	124		MRC-MW34B-061710			22.1	22.1	NC	NC	11	8	1	NC	NC
COPPER	3/17	10.6		36.8		MRC-MW34B-061710	0.2	5.1	24.2	5.1	1300	0	1500	0	0	1300	0
IRON	15/17	43.5	J	33200		MRC-MW44A-052810	6	142	4686	4139	300	14	26000	1	0	NC	NC
LEAD	5/17	0.47	J	3.5		MRC-MW36A-060310	0.019	0.42	1.2	0.37	15	0	NC	NC	NC	15	0
MANGANESE	16/17	3.5		3370		MRC-MW74A-060410	3.6	3.6	379	357	50	9	880	1	0	NC	NC
MOLYBDENUM	2/17	0.41	J	0.46	J	MRC-MW36A-060310	0.27	0.75	0.44	0.19	NC	NC	180	0	0	NC	NC
NICKEL	14/17	4.1		162		MRC-MW34B-061710	0.44	1.4	33.4	27.6	73	2	730	0	0	NC	NC
POTASSIUM	4/4	2260		9010		MRC-MW34A-061510			5643	5643	NC	NC	NC	NC	NC	NC	NC
SELENIUM	7/17	0.44	J	1.7	J	MRC-MW34A-061510	0.13	0.26	0.99	0.45	50	0	180	0	0	50	0
VANADIUM	11/17	0.57	J	22.2		MRC-MW36A-060310	0.43	1.3	5.8	3.9	3.7	5	180	0	0	NC	NC
ZINC	10/17	53.8		361		MRC-MW74C-060710	2.9	69.8	157	97.7	5000	0	11000	0	0	NC	NC
Miscellaneous Parameters (ug/L)																	
HEXAVALENT CHROMIUM	1/3	0.96	J	0.96	J	MRC-MW34A-061510	0.11	0.11	0.96	0.36	100	0	0.043	1	1	100	0
Miscellaneous Parameters (mg/L)																	
ALKALINITY	3/4	7.4		27		MRC-MW34A-061510	5.1	5.1	16.8	13.2	NC	NC	NC	NC	NC	NC	NC
CHLORIDE	4/4	19.8		189		MRC-MW34B-061710			84.4	84.4	NC	NC	NC	NC	NC	NC	NC
DISSOLVED ORGANIC CARBON	4/4	0.6	J	3		MRC-MW36A-060310			1.7	1.7	NC	NC	NC	NC	NC	NC	NC
NITRATE-N	4/4	0.1		1.1		MRC-MW34A-061510			0.38	0.38	NC	NC	NC	NC	NC	NC	NC
ORTHOPHOSPHATE-P	4/4	0.1	J	1.2	J	MRC-MW36A-060310			0.50	0.50	NC	NC	NC	NC	NC	NC	NC
SULFATE	4/4	4.8		18.9		MRC-MW36A-060310			13.0	13.0	NC	NC	NC	NC	NC	NC	NC
TOTAL DISSOLVED SOLIDS	4/4	100		360		MRC-MW34B-061710			205	205	NC	NC	NC	NC	NC	NC	NC

Notes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining the frequency of detection and exceedances.
2 - Average of positive analytical results only.
3 - Average of all analytical results are calculated using half of the detection limit for nondetects.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010.
6 - 2009 Edition of the Drinking Water Standards and Health Advisories (USEPA, October 2009).

Definitions:
J = Estimated value
L = Biased low
MCL = Maximum Contaminant Level
NC = No criteria

Table 4-25

Occurrence and Distribution of Chemicals - Groundwater - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Parameter	Frequency of Detection[1]	Minimum Concentration[1]		Maximum Concentration[1]		Sample of Maximum Concentration	Minimum Nondetect	Maximum Nondetect	Average of Positive Results[2]	Overall Average[3]	MDE Cleanup Standards - Groundwater[4]	# Detects Greater than MDE Cleanup Standards - Groundwater[1]	USEPA RBC - Tap Water[5]	# Detects Greater than USEPA RBC - Tap Water[1]	# Detects Greater than 10X USEPA RBC - Tap Water[1]	USEPA MCL[6]	# Detects Greater than USEPA MCL [1]
Volatile Organics (ug/L)																	
1,1,1-TRICHLOROETHANE	1/19	1.3		1.3		MRC-MW71A-062310	0.22	22	1.3	1.1	200	0	9100	0	0	200	0
1,1,2-TRICHLOROTRIFLUOROETHAN	1/19	0.56	J	0.56	J	MRC-MW71A-062310	0.28	28	0.56	1.4	NC	NC	59000	0	0	NC	NC
1,1-DICHLOROETHANE	13/19	0.42	J	49	J	MRC-MW14B-062210	0.15	0.15	9.3	6.4	90	0	2.4	8	1	NC	NC
1,1-DICHLOROETHENE	12/19	0.53	J	780		MRC-MW14B-062210	0.19	0.19	110	69.3	7	9	340	1	0	7	9
1,2-DICHLOROETHANE	1/19	0.59	J	0.59	J	MRC-MW15A-062210	0.22	22	0.59	1.1	5	0	0.15	1	0	5	0
CHLOROMETHANE	3/19	0.32	J	0.49	J	MRC-MW14A-062210	0.3	30	0.41	1.5	19	0	190	0	0	NC	NC
CIS-1,2-DICHLOROETHENE	12/19	0.28	J	120		MRC-MW12A-061610	0.17	0.34	22.0	14.0	70	1	73	1	0	70	1
METHYLENE CHLORIDE	1/19	40	J	40	J	MRC-MW14B-062210	0.33	57	40.0	4.1	5	1	4.8	1	0	5	1
TETRACHLOROETHENE	1/19	3.7		3.7		MRC-MW16A-062310	0.29	29	3.7	1.6	5	0	0.11	1	1	5	0
TRANS-1,2-DICHLOROETHENE	2/19	0.52	J	5.1		MRC-MW14A-062210	0.19	19	2.8	1.2	100	0	110	0	0	100	0
TRICHLOROETHENE	11/19	0.47	J	2800		MRC-MW14B-062210	0.17	0.34	438	254	5	8	2	8	5	5	8
VINYL CHLORIDE	7/19	0.22	J	7.2		MRC-MW15A-062210	0.22	22	1.8	1.7	2	2	0.016	7	7	2	2
Semivolatile Organics (ug/L)																	
1,4-DIOXANE	10/18	0.96	J	360		MRC-MW14B-062210	0.49	0.49	61.5	34.3	NC	NC	0.67	10	5	NC	NC
Volatile Gases (ug/L)																	
ETHANE	1/1	0.27	J	0.27	J	MRC-MW14B-062210			0.27	0.27	NC	NC	NC	NC	NC	NC	NC
METHANE	1/1	33		33		MRC-MW14B-062210			33.0	33.0	NC	NC	NC	NC	NC	NC	NC
Inorganics (ug/L)																	
ANTIMONY	6/19	0.067	J	6.1		MRC-MW16A-062310	0.027	0.59	1.5	0.57	6	1	15	0	0	6	1
ARSENIC	18/19	0.33	J	13.8		MRC-MW15A-062210	0.16	0.16	3.0	2.9	10	2	0.045	18	17	10	2
BARIUM	19/19	15.6		680		MRC-MW70B-062210			103	103	2000	0	7300	0	0	2000	0
BERYLLIUM	11/19	0.026	J	8.7		MRC-MW71A-062310	0.0059	0.32	1.8	1.1	4	2	73	0	0	4	2
CADMIUM	3/19	0.041	J	2.1		MRC-MW71A-062310	0.025	0.25	0.90	0.17	5	0	18	0	0	5	0
CHROMIUM	14/19	0.6	J	233		MRC-MW70B-062210	0.21	1.7	21.6	16.0	100	1	NC	NC	NC	100	1
COBALT	19/19	0.18	J	72.5		MRC-MW71B-062310			34.5	34.5	NC	NC	11	14	0	NC	NC
COPPER	8/19	5.1	J	28.8		MRC-MW70B-062210	0.12	3.1	14.4	6.5	1300	0	1500	0	0	1300	0
IRON	19/19	243		96800		MRC-MW11A-062310			31860	31860	300	18	26000	9	0	NC	NC
LEAD	15/19	0.47	J	42.8		MRC-MW70B-062210	0.019	0.085	6.3	5.0	15	2	NC	NC	NC	15	2
MANGANESE	19/19	24.2		7410		MRC-MW11A-062310			2059	2059	50	18	880	11	0	NC	NC
MOLYBDENUM	6/19	0.27	J	1.8	J	MRC-MW70B-062210	0.27	1	0.79	0.41	NC	NC	180	0	0	NC	NC
NICKEL	19/19	1.3	J	115		MRC-MW71A-062310			41.0	41.0	73	3	730	0	0	NC	NC
POTASSIUM	1/1	3910		3910		MRC-MW14B-062210			3910	3910	NC	NC	NC	NC	NC	NC	NC
SELENIUM	12/19	0.19	J	8.9		MRC-MW70B-062210	0.13	0.55	1.7	1.1	50	0	180	0	0	50	0
SILVER	2/19	0.28	J	0.31	J	MRC-MW14B-062210	0.015	0.046	0.30	0.04	100	0	180	0	0	NC	NC
VANADIUM	14/19	1.1	J	279		MRC-MW70B-062210	0.43	2.7	28.6	21.2	3.7	10	180	1	0	NC	NC
ZINC	16/19	30.1	K	1760		MRC-MW70B-062210	3.8	22.5	254	215	5000	0	11000	0	0	NC	NC
Miscellaneous Parameters (ug/L)																	
HEXAVALENT CHROMIUM	1/8	0.71	J	0.71	J	MRC-MW15A-062210	0.11	0.11	0.71	0.14	100	0	0.043	1	1	100	0
Miscellaneous Parameters (mg/L)																	
AMMONIA-N	1/1	0.3		0.3		MRC-MW14B-062210			0.30	0.30	NC	NC	NC	NC	NC	NC	NC
CHLORIDE	1/1	104		104		MRC-MW14B-062210			104	104	NC	NC	NC	NC	NC	NC	NC
DISSOLVED ORGANIC CARBON	1/1	5		5		MRC-MW14B-062210			5.0	5.0	NC	NC	NC	NC	NC	NC	NC
SULFATE	1/1	69.4		69.4		MRC-MW14B-062210			69.4	69.4	NC	NC	NC	NC	NC	NC	NC
TOTAL DISSOLVED SOLIDS	1/1	320		320		MRC-MW14B-062210			320	320	NC	NC	NC	NC	NC	NC	NC

Notes:
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Section 5
Uncertainty Analysis

The uncertainty analysis component of this human health risk assessment (HHRA) summarizes uncertainties inherent in the risk assessment and includes a discussion of how they may affect the quantitative risk estimates and risk analysis conclusions. The baseline HHRA for the study area was done in accordance with current U.S Environmental Protection Agency (USEPA) guidance. However, varying degrees of uncertainty are associated with any baseline HHRA. A brief discussion of uncertainty issues that must generally be considered in an HHRA is provided in the following narrative.

Uncertainty in selecting chemicals of potential concern (COPC) is related to the status of the available databases, the grouping of samples, the numbers, types, and distributions of samples, data quality, and the procedures used to include or exclude constituents as COPC. Uncertainty associated with the exposure assessment can stem from the values used as input variables for a given intake route or scenario, the assumptions made to determine exposure-point concentrations (EPCs), and the predictions made regarding future land uses and population characteristics. Uncertainty in the toxicity assessment stems from the quality of the existing toxicity data needed to support dose-response relationships and the weight of evidence used to determine the carcinogenicity of COPC. Uncertainty in risk characterization is associated with receptor exposure to multiple chemicals and the cumulative uncertainty arising from combining conservative assumptions made in earlier steps of the risk assessment.

Whereas various sources of random uncertainty and bias exist, the magnitude of bias and uncertainty and the direction of bias are influenced by the assumptions made throughout the risk assessment, including selection of COPC and of values for dose-response relationships. Throughout the risk assessment, assumptions that consider safety factors must be made to overestimate the final calculated risks. Risk assessments generally carry two types of uncertainty: *measurement* and *informational* uncertainty.

Measurement uncertainty refers to the usual variance that accompanies scientific measurements. For example, this type of uncertainty is associated with the analytical data collected for each site. The risk assessment reflects the accumulated variances of the individual values used.

Informational uncertainty stems from inadequate availability of information needed to complete the toxicity and exposure assessments. This gap is often significant, such as the absence of information on the effects of human exposure to low doses of a chemical, the biological mechanism of chemical action, or the behavior of a chemical in soil. After the risk assessment is complete, the results must be reviewed and evaluated to identify the type and magnitude of uncertainty involved. Relying on risk assessment results without considering the uncertainties, limitations, and assumptions inherent in the process can be misleading. For example, to account for uncertainties in developing exposure assumptions, conservative estimates must be made to ensure that the particular assumptions protect sensitive subpopulations or maximally exposed individuals.

If a number of conservative assumptions are combined in an exposure model, the resulting calculations can propagate the uncertainties associated with those assumptions, thereby producing much larger uncertainty in the results. This uncertainty is biased toward over predicting both carcinogenic and noncarcinogenic risks. Thus, both the results of the risk assessment and the uncertainties associated with them must be considered when making risk management decisions.

This interpretation of uncertainty is especially relevant when the risks exceed the point of departure for defining regulatorily "acceptable" risk. For example, when risks calculated using a high degree of uncertainty are less than an "acceptable" risk level (i.e., 10^{-6}), the interpretation of "no significant risk" is typically straightforward. However, when risks calculated with a high degree of uncertainty exceed a regulatorily acceptable risk level (i.e., 10^{-4}) reaching a conclusion can be difficult unless uncertainty is considered. The HHRA was prepared using the November 2010 regional screening-levels (RSLs). However, the RSLs are "evergreen" screening values and subject to change as new toxicity information becomes available and is evaluated by USEPA. Consequently, the COPC could change if the RSLs change.

5.1 UNCERTAINTY IN COPC SELECTION

The most significant issues related to uncertainty in COPC selection at the subject tax blocks are the usability of existing databases (only validated data were used in the risk assessment), the COPC screening levels used, the selection of COPC using USEPA generic soil screening-levels (SSLs) for transfers from soil to air, and the absence of screening levels for a few chemicals detected in site environmental media. A brief discussion of each of these issues is provided in the remainder of this section.

Usability and completeness of existing databases—As discussed in Section 3, data from samples collected in previous field investigations (2003–2009), as well as data collected during field investigations in 2010, were used to assess risks to potential human receptors from exposure to contaminated environmental media. These data were validated according to USEPA data-validation guidelines. Only fixed-base analytical results (i.e., results from a fixed-base laboratory, as opposed to field analytical results) from the field investigations for the lists of target analytes were used in the quantitative risk evaluation. Data regarded as rejected (i.e., qualified as "R" during data validation) were not used in the quantitative risk assessment. Elimination of data qualified as "R" may increase uncertainty in the risk assessment.

Naphthalene results were analyzed and reported in both the volatile organic compound (VOC) and polycyclic aromatic-hydrocarbon (PAH) fractions. The extraction and analytical methods used in either VOC or PAH methods may provide more accurate naphthalene results. However, both the VOC and PAH naphthalene results were included in selecting COPC. This is particularly important because not all samples were analyzed for naphthalene in both fractions. For subsurface soil, naphthalene was selected as a COPC in both the VOC and PAH fractions. For EPCs in the quantitative risk assessment, the maximum EPC of naphthalene from either the VOC or the PAH fractions was used for each tax block. In subsurface soil, the maximum EPC for naphthalene is from the VOC fraction for Blocks D, F, and G, and from the PAH fraction for Blocks E and H. Using the higher concentration ensures that risks due to naphthalene are not underestimated.

Several sampling locations were resampled for benzo(a)pyrene and related chemicals to obtain lower detection limits (see table below). To avoid including elevated detection limits in the risk

calculations, resampled results were used instead of the original results if the original results were all non-detects. However, to be conservative, no positive detections were removed from the data sets. Therefore, if positive results were included in the original sampling, those results were included in the risk calculations along with the resampling results. This may overestimate risks from BaPEq at locations where resampling occurred.

Locations of benzo(a)pyrene and related chemicals resampling			
Block D	**Block F**	**Block G**	**Block H**
SB-57	SB-56	SB-81	SB-282
SB-58	SB-93	SB-82	
SB-60	SB-94	SB-83	
SB-61	SB-95	SB-86	
SB-62	SB-96	SB-91	
SB-63		SB-92	
SB-65		SB-254	
SB-66		SB-257	
SB-240			
SB-243			

Soil samples collected from 0–10 feet below ground surface (bgs) were included in the quantitative risk evaluation. Some uncertainty is associated with some samples included in the subsurface soil data because groundwater is relatively shallow at these tax blocks (i.e., within 10 feet of ground surface). Therefore, some of the samples included in the subsurface data set for the quantitative risk assessment may be saturated. The following table presents average and maximum groundwater depths for each tax block:

Sampling date	Average depth to groundwater (feet)				
	Block D	Block E	Block F	Block G	Block H
6/5/2005	1.87	2.92	4.00	2.42	0*
10/13/2005	1.67	3.12	4.90	0.72	0*
12/6/2005	**2.98**	3.11	6.07	1.54	**5.37**
10/30/2008	2.95	**4.93**	5.53	2.30	4.34
7/22/2009	1.58	4.90	4.13	3.00	4.24
6/30/2010	2.93	4.82	**7.20**	**3.78**	3.60
Average depth selected:	3	5	7	4	5
Sampling date	**Maximum depth to groundwater (feet)**				
6/5/2005	5.21	7.11	4.6	7.65	0
10/13/2005	5.55	7.3	9.75	3.45	0
12/6/2005	5.56	7.6	**12.9**	4.7	**10.61**
10/30/2008	**6.6**	**8.8**	7.55	4.8	6.6
7/22/2009	3.17	7.7	6.89	5.8	6.21
6/30/2010	6.26	8.25	12.89	**8.72**	6.19
Maximum depth:	7	9	13	9	11

The deepest average or maximum depth for each block is in **bold**

*Data from only one well were available

The average depths to groundwater are less than 10 feet for all wells, and the maximum depths to groundwater for Blocks D, E, and G are less than 10 feet. However, all subsurface soil samples from 2–10 feet bgs were included in the quantitative risk evaluation, to be conservative.

Data for soil samples collected at depths greater than 10 feet bgs (i.e., deep subsurface soil) were excluded from the quantitative risk assessment because these samples are likely saturated; however, COPC were selected for informational purposes. Table 3-21 shows the results of the COPC selection for deep subsurface soil. The list of COPC is similar to those for surface soil and subsurface soil. COPC are the BaPEq and its constituents, Aroclor-1260, arsenic, cobalt, iron, manganese, vanadium, and hexavalent chromium.

Maximum concentrations of all of these chemicals except for iron and vanadium are greater in the shallower depths than in the deep subsurface soil, and the concentration of vanadium in deep subsurface soil is not significantly greater than that found in shallower soil depths. Only the maximum concentration of iron in deep subsurface soil is significantly greater (i.e., more than an

order of magnitude greater) than concentrations detected in the shallower intervals. Thus, excluding deep subsurface soil from the quantitative risk evaluation should not add much uncertainty.

Numerous chemicals in surface and subsurface soil have detection limits that exceed screening criteria. This adds uncertainty to the risk assessment because these constituents may be present in site media at concentrations below the detection limit (i.e., below the concentration that may be seen by the analytical technique) and above screening criteria. However, the effort was made to achieve detection limits below screening levels for notable risk drivers (such as benzo(a)pyrene and related chemicals). Other chemicals not detected in the tax blocks are assumed not to contribute significantly to overall risks.

COPC screening levels—Using risk-based screening values based on conservative land use scenarios (i.e., residential land use for soil), corresponding to incremental lifetime-cancer risks (ILCRs) of 10^{-6} and hazard indices (HIs) of 0.1, the risk analyst must ensure that all significant contributors to risk at a site are evaluated. Eliminating chemicals present at concentrations that correspond to ILCRs less than 10^{-6} and HIs less than 0.1 should not affect the risk assessment's final conclusions, because those chemicals are not expected to pose potential health concerns at the concentrations detected.

Background soil database—Comprehensive site-specific databases on background soil are not available for the subject tax blocks. The lack of site-specific background levels for various chemicals may overestimate site-related risks for the tax blocks, since no chemical was eliminated as a COPC based on a background screen (i.e., a comparison of site concentrations to site-specific background concentrations). The lack of such data may affect the selection of remedial goals for inorganics typically detected at background concentrations above common risk benchmarks (e.g., arsenic). Arsenic was noted as a risk driver in soil for several receptors and in several data sets. Appendix C presents Maryland background data for arsenic.

Arsenic, cobalt, and hexavalent chromium were noted in Section 4 as risk drivers for direct-contact risk posed to several receptors and for several tax blocks. Concentrations of arsenic and cobalt and predicted concentrations of hexavalent chromium (i.e., concentrations calculated by assuming 5% of total chromium) in surface and subsurface soil produced risk estimates that

were less than the 1×10^{-5} cancer risk level for most tax block data sets. Exceptions are arsenic and cobalt for Block G surface soil and hexavalent chromium for Block F surface soil. Arsenic, cobalt, and chromium are metals occurring naturally in soil.

Anticipated typical concentrations (ATCs) are available from the State of Maryland for arsenic and total chromium (State of Maryland, 2008). ATCs for arsenic are 3.6 mg/kg, 4.9 mg/kg, and 11 mg/kg for Eastern, Central, and Western Maryland, respectively. EPCs (i.e., the 95% upper confidence-limits [UCLs]) calculated for arsenic do not exceed the central Maryland ATC in any data set except for Block G surface soil. No 95% UCLs for arsenic exceed the Western Maryland ATC. ATCs for total chromium are 28 mg/kg, 30 mg/kg, and 42 mg/kg for Eastern, Central, and Western Maryland, respectively. The 95% UCLs calculated for total chromium (i.e., the calculated hexavalent chromium 95% UCL divided by 0.05) are all less than the Western Maryland ATC except for the Block F surface soil data set. All other data sets are likewise less than the Central Maryland ATC, except for Block H subsurface soil, which slightly exceeds the Central Maryland ATC with a 95% total chromium UCL of 36 mg/kg. Given that arsenic and total chromium concentrations in the tax blocks are, in most cases, similar to background values and are not significant risk drivers, most metals concentrations probably represent background conditions.

The inorganics arsenic, cobalt, iron, and hexavalent chromium were retained as chemicals of concern (COC) for migration to groundwater, based on the analysis in Section 4.6. As noted earlier, not all of the subject tax bocks had frequent detections of hexavalent chromium. Hexavalent chromium was conservatively included as a migration-to-groundwater COC based on the limited data available. As discussed above, most detections of arsenic and cobalt likely reflect background concentrations. Most concentrations of iron observed in the tax block soils also likely reflect background. The EPCs used for iron (95% UCL or maximum concentration) are within the range of ATCs (15,000 mg/kg, 26,000 mg/kg, and 39,000 mg/kg for Eastern, Central, and Western Maryland, respectively) for all surface and subsurface soil data sets in which iron was analyzed.

Contaminants without established direct-contact screening levels—Risk-based screening levels are currently not available for some constituents detected at the tax blocks. Appropriate surrogates for some of these chemicals, based on similar chemical structures, were selected if available. In the COPC screening, acenaphthene was used as a surrogate for acenaphthylene and pyrene was

selected as a surrogate for benzo(g,h,i)perylene and phenanthrene. Applying the toxicity values of one compound to another increases uncertainty in the risk assessment, both with regard to COPC selection and the calculated risks. The direction of the uncertainty is unknown.

Appropriate screening levels or surrogates were not available for several organic chemicals detected in tax block soils. The list of chemicals lacking COPC-selection criteria includes 1,2,3-trimethylbenzene, n-butylbenzene, tert-butyl alcohol, di-n-octyl phthalate, dimethyl phthalate, 4-isopropyltoluene, and sec-butylbenzene. In most cases, these chemicals were detected at concentrations and detection frequencies significantly less than those reported for the primary site contaminants. For all chemicals except 1,2,3-trimethylbenzene and tert-butyl alcohol, the frequency of detection was less than 5% across the tax blocks. Given that risk-based screening levels are available for most of the primary contaminants (in terms of concentration and frequency of detection), the lack of risk-based screening levels for some contaminants should not affect risk management decisions for the tax block soils.

Many constituents have no USEPA SSLs for the soil to air migration pathway. This uncertainty is probably small, because for most chemicals potential risks associated with exposures via inhalation are typically orders of magnitude lower than those associated with exposures via incidental ingestion and dermal contact with soil. Comparing the screening criteria for direct-contact exposures with the screening criteria for migration from soil to air shows that, in most cases, the direct-contact screening criteria are at least an order of magnitude lower than the soil to air migration screening-criteria for the same compound. If regulatorily unacceptable risks result from inhalation exposures, then regulatorily unacceptable risks are usually also posed by exposures via the incidental-ingestion and dermal-contact exposure pathways.

Use of USEPA generic SSLs for transfers from soil to groundwater for COPC selection— Several chemicals were selected as COPC because their maximum concentrations exceed USEPA generic SSLs for soil to groundwater contaminant migration (dilution-attenuation factor [DAF] = 1.0). However, USEPA's *Soil Screening Guidance* (USEPA, 1996a) states that "the USEPA has selected a default DAF of 20 to account for contaminant dilution and attenuation during transport through the saturated zone to a compliance point (i.e., a receptor well). At most sites, this adjustment will more accurately reflect a contaminant's threat to groundwater resources than assuming a DAF of 1 (i.e., no dilution or attenuation)." The guidance further

states that “a DAF of 20 is protective for sources up to 0.5 acres in size” and “can be protective of larger sources as well." Consequently, the use of SSLs based on a DAF of 1 is very conservative. A more refined evaluation of the potential for chemical migration from soils is provided in Section 4.6 for surface and subsurface soils, respectively. COC were selected based on that analysis.

5.2 EXPOSURE ASSESSMENT UNCERTAINTY

Uncertainty in the exposure assessment arose because of the methods used to calculate EPCs, the determination of land use conditions, the selection of receptors and scenarios, and the selection of exposure parameters. Each of these is discussed below:

Land use—Current land use patterns for the subject tax blocks are well established, thereby limiting uncertainty associated with land use assumptions. Land use is currently limited to industrial/commercial, and the area will most likely remain commercial/industrial in the future. To be conservative, receptors were considered for all possible future land uses, and risks to potential and future construction workers, industrial workers, commercial receptors, recreational users, and on-site residents were evaluated.

Exposure-point concentrations—Uncertainty is associated with the use of the 95% UCL on the mean concentration as the EPC. As a result of using the 95% UCL, estimations of potential risk for the reasonable maximum exposure (RME) scenario are most likely overstated because it represents the upper limit that potential receptors would be exposed to over the entire exposure period. In some cases (because data sets contained less than five samples, because less than four positive detections occurred, or because the UCL was greater than the maximum concentration), the maximum concentration was used as the EPC. Using the maximum concentration tends to overestimate potential risks because receptors are assumed to be continuously exposed to the maximum concentration for the entire exposure period.

MDE guidance (State of Maryland, 2008) typically requires at least 10 samples to calculate UCLs. As noted above, this guidance differs from that provided by the USEPA. However, this difference has limited impact on the HHRA because most EPCs presented in the HHRA are based on data sets that included 10 or more samples. The only exceptions are EPCs for cobalt and vanadium in Block G surface soil, and DRO in Block H subsurface soil. Cobalt and vanadium in Block G

surface soil were both detected in 6 of 6 samples, and DRO in Block H subsurface soil was detected in 6 of 8 samples. If the maximum concentrations of cobalt and vanadium were used as EPCs for the Block G surface soil data set, cobalt would become a COC for the child recreational user. However, cobalt was already identified as a risk driver for Block G surface soil based on the hypothetical residential receptor. (Vanadium would not become a COC for any receptor; the maximum concentration of vanadium in Block G surface soil is less than the regional screening level [RSL] for residential soil.) DRO concentrations were evaluated both qualitatively and quantitatively in this HHRA. The HHRA also acknowledges when any detected concentration exceeds MDE benchmarks for a residential or industrial land use scenario (regardless of the EPC value). Therefore, overall HHRA conclusions are not expected to be significantly impacted by the EPCs selected for these parameters.

One-half the detection limit was used for non-detected results for the location-by-location risk estimates in Appendix E. Using one-half the detection limit for non-detects can result in elevated risk estimates if detection limits are elevated. An example of this is noted for Aroclor-1254 in Block E surface soil. The maximum non-detect result (i.e., the greatest reported sample detection limit [i.e., sample quantitation limit]) for Aroclor-1254 in Block E surface soil is 740,000 µg/kg, which exceeds the actual maximum detected concentration of 36,000 µg/kg. As a result, some of the risk estimates and hazard indices for Aroclor-1254 in Block E surface soil exceed USEPA and or Maryland Department of the Environment (MDE) target levels at locations where Aroclor-1254 was non-detected (e.g., location SB-353). Therefore, risk results for Aroclor-1254 are likely overestimated in samples with elevated detection limits and results should be interpreted with caution.

Exposure routes and receptor identification—Determination of various receptor groups and exposure routes of potential concern is based on observed current and anticipated future land use at the site. Therefore, uncertainty associated with selecting exposure routes and potential receptors is minimal because they are considered well defined.

Exposure parameters—Each exposure factor selected for use in the risk assessment had some associated uncertainty. Exposure factors are generally based on surveys of physiological and lifestyle profiles across the United States. The attributes and activities studied in these surveys are generally broadly distributed. In most cases, to avoid underestimating exposure, USEPA

guidelines on the RME receptor were used. These generally specify using the 95th-percentile value for most parameters. Therefore, the values selected for the RME receptor represent an upper bound of the observed or expected habits of most of the population. MDE exposure assumptions were used when available.

The value used for exposure frequency for recreational users (the MDE exposure frequency Level 1 of 250 days per year) corresponds with high-frequency use. MDE provides two other exposure frequencies: a Level 2 value of 182 days per year and a Level 3 value of 52 days per year. The Level 1 was chosen for this HHRA to be protective of all possible future land use scenarios.

Uncertainty can generally be assessed quantitatively for many of the assumptions made in determining factors with which to calculate exposures and intakes. Many of these parameters were determined from statistical analyses of human population characteristics. Often, the database used to derive a particular exposure parameter (e.g., body weight) is relatively large. Consequently, the values chosen for such variables in the RME scenario have low uncertainty.

Many of the exposure parameters used to calculate exposures and risks in this report were selected from a distribution of possible values, including MDE guidance (State of Maryland, 2008) and USEPA guidance (USEPA, 1989, 1991, 1993, 1997a, 2004). For the RME scenario, the value representing the 95th percentile was generally selected for each parameter to ensure that the assessment bounds most actual risks posed by a postulated exposure. This risk number is used in risk management decisions, but it does not indicate what an average and more-representative exposure might be, or what risk range might be expected for individuals in the exposed population.

5.3 UNCERTAINTY IN THE TOXICOLOGICAL EVALUATION

Uncertainties associated with the toxicity assessment (determination of RfDs and CSFs and use of available criteria) are below.

Derivation of toxicity criteria—Uncertainty associated with the toxicity assessment is related to the hazard assessment and dose-response evaluations for the COPC. The hazard assessment characterizes the nature and strength of causal evidence or the likelihood that a chemical that induces adverse effects in animals will do likewise in humans. A hazard assessment of

carcinogenicity was evaluated as a weight-of-evidence determination using USEPA methods. Positive animal-cancer test data suggest that humans contain tissue(s) that may manifest a carcinogenic response; however, animal data cannot necessarily be used to predict the target tissue in humans. In the hazard assessment of noncarcinogenic effects, however, positive animal data often suggest the nature of the effects (i.e., the target tissues and type of effects) to be anticipated in humans.

Uncertainty in hazard assessment arises from the nature and quality of the animal and human data. Uncertainty is reduced when:

- similar effects are observed across species, strain, sex, and exposure route
- the magnitude of the response is clearly dose related
- pharmacokinetic data indicate a similar fate in humans and animals
- postulated mechanisms of toxicity are similar for humans and animals
- the COC are structurally similar to other chemicals for which toxicity is more completely characterized

Uncertainty in the dose-response evaluation includes determining a cancer-slope factor (CSF) for the carcinogenic assessment and deriving a reference dose (RfD) for the noncarcinogenic assessment. Uncertainty is introduced from interspecies (animal to human) extrapolation, which, in the absence of quantitative pharmacokinetic or mechanistic data, is usually based on consideration of interspecies differences in basal metabolic rate. Uncertainty also results from intraspecies variation. Most toxicity experiments are performed on animals similar in age and genotype to minimize intragroup biological variation.

In contrast, the human population of concern may reflect a great deal of heterogeneity, including unusual sensitivity or tolerance to the COPC. Even toxicity data from human occupational exposures reflect a bias, because only those individuals sufficiently healthy to regularly attend work (the “healthy worker effect”) and those not unusually sensitive to the chemical are likely to be occupationally exposed. Finally, uncertainty arises from the quality of the key study from which the quantitative estimate is derived and which produced the database used. For cancer effects, the uncertainty associated with dose-response factors was mitigated by assuming the 95% upper bound for the slope factor.

Another source of uncertainty in carcinogenic assessment is the method by which data from high doses in animal studies are extrapolated to the dose range expected for environmentally exposed humans. The linearized multi-stage model, which is used in nearly all quantitative estimations of human risk based on animal data, is based on a nonthreshold assumption of carcinogenesis. Evidence suggests, however, that epigenetic carcinogens, as well as many genotoxic carcinogens, have a threshold below which they are noncarcinogenic. Therefore, using the linearized multi-stage model is conservative for chemicals that exhibit a threshold for carcinogenicity.

For noncarcinogenic effects, additional uncertainty factors may have been applied to derive the RfD to mitigate the poor quality of the key study or gaps in the resultant database. Additional uncertainty for noncarcinogenic effects arises from using an effect level in estimating an RfD, because this estimate is predicated on the assumption of a threshold less than that at which adverse effects are not expected. Therefore, an uncertainty factor is usually applied to estimate a no effect level.

Additional uncertainty arises in estimating an RfD for chronic exposure from subchronic data. Unless empirical data indicated that effects do not worsen with increasing exposure duration, an additional uncertainty factor was applied to the no effect level in the subchronic study. Uncertainty in deriving RfDs was mitigated by using uncertainty and modifying factors that normally range from 3–10. The resulting combination of uncertainty and modifying factors may have reached 1,000 or more. Deriving dermal RfDs and CSFs from oral-exposure values may also have caused uncertainty. This is particularly the case when no gastrointestinal absorption rates are available in the literature, or when only qualitative statements regarding absorption are available.

Use of chronic toxicity values for construction workers – Under the guidelines established by the Superfund program, exposures to construction workers of one year or less are classified as subchronic exposures. Risks for noncarcinogenic effects associated with subchronic exposures should incorporate toxicity values for subchronic and not chronic effects. Subchronic toxicity values are not as widely available as chronic values. Subchronic toxicity values used in this HHRA were obtained from USEPA's PPRTV internet site. Also, ATSDR Minimal Risk Levels (MRLs) were used as subchronic toxicity values when PPRTV values were not available. Chronic toxicity values were used when subchronic toxicity values were not available. Using

chronic toxicity criteria to evaluate subchronic exposures for construction workers tends to overestimate potential noncarcinogenic risks. However, no construction worker noncarcinogenic HIs for the inhalation pathway exceeded 1. Therefore, uncertainty due to the use of chronic toxicity values for construction workers does not affect overall risk assessment conclusions.

Uncertainty in the toxicity criteria for chromium—Toxicity criteria are available for different forms of chromium, which is considered more toxic in the hexavalent state. The following table compares the maximum total- and hexavalent-chromium concentrations reported for the tax block soil samples to available USEPA RSLs:

Environmental medium (maximum concentration)	USEPA RSL residential scenario (assuming hexavalent chromium)	USEPA RSL residential scenario (assuming trivalent chromium)
Surface soil: Total = 185 mg/kg Cr VI = 3.6 mg/kg	0.29 mg/kg	120,000 mg/kg
Subsurface soil: Total = 120 mg/kg Cr VI = 1.1 mg/kg		

Cr VI—hexavalent chromium

As indicated in Section 3.3.3, in most of the subject tax blocks a limited number of surface and subsurface soil samples were analyzed for hexavalent chromium. The available hexavalent/total chromium data sets led to the conservative assumption that 5% of the chromium detected in the soils is in the hexavalent state. Risks calculated for chromium in soil, assuming 5% of total chromium is in the hexavalent form, are therefore likely overestimated.

Refined risk evaluation of GRO/DRO concentrations in tax block soils—The risk evaluation in Section 4 includes a qualitative comparison of gasoline-range organics (GRO) and diesel-range organics (DRO) concentrations to MDE's *Generic Numeric Cleanup Standards for Soil*. The evaluation is qualitative only because USEPA has not published toxicity criteria (e.g., reference doses or cancer slope-factors) for these parameters. However, as noted in the 2008 MDE *Guidance for Cleanup Standards for Soil and Groundwater*, some state regulators have established protocols for the quantitative risk assessment of these parameters.

An example of such protocols is found in Massachusetts' final policy #WSC-02-411 (*Characterizing Risks Posed by Petroleum Contaminated Sites: Implementation of the MADEP VPH/EPH Approach*) (State of Massachusetts, 2002). This methodology is cited in the referenced MDE guidelines as the basis of the published generic standards for soil. Although quantitative risk estimates based on this methodology (and the associated toxicity criteria) are more uncertain than those based on USEPA recommended toxicity criteria, for purposes of completeness, the following tables provide non-cancer risk estimates (hazard indices) for GRO/DRO based on a simple comparison of EPCs to risk-based concentrations developed using the methodology endorsed by MDE to develop the generic standards (see Appendix D). The calculated RBC values incorporate MDE exposure assuptions and are based on a hazard quotient (HQ) of 1.

The hazard indices presented in the tables are less than or approximately equal to 1; therefore, the results suggests that adverse noncarcinogenic effects are not expected for the receptors evaluated. The evaluation indicates that although some isolated detections of GRO/DRO clearly exceed the MDE generic standards (see Section 4), risk estimates based on the EPCs do not indicate that these parameters are major contributors to noncancer risk for receptors hypothetically exposed to the tax block soils. The evaluation is limited in that it does not consider the potential carcinogenic effects of the GRO/DRO constituents (e.g., benzo(a)pyrene and related chemicals). However, the chemical-specific risk assessment in Section 4 for a number of these constituents does.

Block D—Refined Evaluation of GRO/DRO (Hazard Indices)

Block D	Surface soil GRO	Subsurface soil GRO	Surface soil DRO	Subsurface soil DRO
EPC (mg/kg)	0.81	0.25	550	40.3
Ratio of EPC to residential RBC [2,300 mg/kg]	<0.1	<0.1	**0.2**	<0.1
Ratio of EPC to commercial RBC [6,200 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ratio of EPC to industrial RBC [61,000 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ration of EPC to recreational RBC [3,300 mg/kg]	<0.1	<0.1	0.2	<0.1

Block E—Refined Evaluation of GRO/DRO (Hazard Indices)

Block E	Surface soil GRO	Subsurface soil GRO	Surface soil DRO	Subsurface soil DRO
EPC (mg/kg)	0.48	81.1	2340	2010
Ratio of EPC to residential RBC [2,300 mg/kg]	<0.1	<0.1	**Approximately 1**	0.9
Ratio of EPC to commercial RBC [6,200 mg/kg]	<0.1	<0.1	0.4	0.3
Ratio of EPC to industrial RBC [61,000 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ration of EPC to recreational RBC [3,300 mg/kg]	<0.1	<0.1	<0.1	0.6

Block F—Refined Evaluation of GRO/DRO (Hazard Indices)

Block F	Surface soil GRO	Subsurface soil GRO	Surface soil DRO	Subsurface soil DRO
EPC (mg/kg)	1.2	21.2	91.8	522
Ratio of EPC to Residential RBC [2,300 mg/kg]	<0.1	<0.1	<0.1	0.2
Ratio of EPC to commercial RBC [6,200 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ratio of EPC to industrial RBC [61,000 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ration of EPC to recreational RBC [3,300 mg/kg]	<0.1	<0.1	<0.1	0.2

Block G—Refined Evaluation of GRO/DRO (Hazard Indices)

Block G	Surface soil GRO	Subsurface soil GRO	Surface soil DRO	Subsurface soil DRO
EPC (mg/kg)	131	131	77.4	21.7
Ratio of EPC to residential RBC [2,300 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ratio of EPC to commercial RBC [6,200 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ratio of EPC to industrial RBC [61,000 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ration of EPC to recreational RBC [3,300 mg/kg]	<0.1	<0.1	<0.1	<0.1

Block H—Refined Evaluation of GRO/DRO (Hazard Indices)

Block H	Surface soil GRO	Subsurface soil GRO	Surface soil DRO	Subsurface soil DRO
EPC (mg/kg)	12	2.6	240	130
Ratio of EPC to residential RBC [2,300 mg/kg]	<0.1	<0.1	Approximately 0.1	<0.1
Ratio of EPC to commercial RBC [6,200 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ratio of EPC to industrial RBC [61,000 mg/kg]	<0.1	<0.1	<0.1	<0.1
Ration of EPC to recreational RBC [3,300 mg/kg]	<0.1	<0.1	<0.1	<0.1

In addition to the evaluation presented in the tables above, based on discussion with MDE, the industrial RBC–based benchmark (presented above, based on MDE 2008 guidance) was decreased from a value of 61,000 mg/kg to 6,100 mg/kg. The 61,000 mg/kg value is based on an HQ of 1 whereas the 6,100 mg/kg value is based on an HQ of 0.1. DRO/GRO concentrations detected in the soils were then compared to 6,100 mg/kg, to be conservative. This additional analysis was conducted because:

- RBCs based on an HQ of 0.1 account for the potential cumulative effects of several chemicals affecting the same target organ or producing the same adverse noncarcinogenic effect. Consequently, they are more conservative than RBCs based on an HQ of 1.
- The industrial screening value of 61,000 mg/kg, while risk-based, represents six percent petroleum product. Therefore, MDE requested that the industrial benchmark be decreased to a value of 6,100 mg/kg (i.e., be established at an HI of 0.1).

Although the tables above do not indicate that GRO and DRO parameters are major contributors to noncancer risk for receptors hypothetically exposed to the tax block soils, two detected DRO concentrations in Block E soil exceed the more conservative, calculated industrial risk-based concentration (6,100 mg/kg) based on an HQ of 0.1 and MDE risk assessment methodology (calculations are presented in Appendix D).The Block E locations where concentrations exceeding 6,100 mg/kg were detected are SB-833A, with a detected DRO concentration of 8,900 mg/kg in surface soil (0–2 feet), and SB-833, with a detected DRO concentration of 28,000 mg/kg in subsurface soil (9–9 feet). No other DRO concentrations exceed the industrial

risk-based concentration based on an HQ of 0.1. Because two DRO concentrations exceed the 6,100 mg/kg risk-based concentration, DRO was selected as a COC for Block E.

5.4 UNCERTAINTY IN THE RISK CHARACTERIZATION

Uncertainty in risk characterization resulted from assumptions made regarding additivity of effects from exposure to multiple COPC via various exposure routes. High uncertainty exists when summing noncarcinogenic risks for several substances across different exposure pathways. This assumes that each substance has a similar effect and/or mode of action. Even when compounds affect the same target organs, they may have different mechanisms of action or differ in their fate in the body, so additivity may not be an appropriate assumption in all cases. However, the assumption of additivity was considered because in most cases it represents a conservative estimate of risk. Risks to any individual may also have been overestimated by summing multiple assumed exposure pathway risks for any single receptor. Although every effort was made to develop reasonable scenarios, not all individual receptors may be exposed via all pathways considered.

Finally, the risk characterization does not consider antagonistic or synergistic effects. Little or no information is available to determine the potential for antagonism or synergism among the COPC. The likelihood of over- or under-predicting risks could not be defined because chemical-specific interactions could not be predicted; however, the methodology used is based on current USEPA guidance.

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Section 6
Remedial Goal Options

Cleanup goals were developed for those environmental media with incremental lifetime-cancer risk (ILCRs) greater than 1×10^{-5} and a total hazard index (HI) greater than 1.0. Cleanup goals were derived for those contaminants of concern (COC) that contribute significantly to the cancer risk and/or hazard index for each exposure pathway in a given land-use scenario for a receptor group. Chemicals were not considered significant contributors to risk, and were therefore not included as COC, if their individual carcinogenic risk contribution was less than or equal to 1×10^{-6} and their non-carcinogenic hazard quotient (HQ) was less than or equal to 0.1. Cleanup goals were calculated using the following equation:

$$\text{Cleanup Goal [chemical i]} = \text{EPC[chemical i]} \times \text{Target Risk/Calculated Risk[chemical i]}$$

where:

Cleanup goal [chemical i]	=	chemical specific cleanup goal
EPC [chemical i]	=	exposure point concentration used in risk assessment calculations
Target risk	=	target risk for carcinogens or the target hazard quotients for noncarcinogens
Calculated risk [chemical i]	=	total risk calculated for a specific chemical in the risk assessment

Cleanup goals calculated for soil for each tax block are presented in Tables 6-1 through 6-5. These tables include potential U.S. Environmental Protection Agency (USEPA) regional screening-level (RSL) criteria, when available.

Figures displaying the concentrations of the COC selected for each tax block compared to relevant benchmark concentrations such as commercial receptor, industrial worker, and resident Remedial goal options (RGOs) and Maryland Department of the Environment (MDE) cleanup standards are presented in Appendix E.

As noted in Section 5.3, diesel range organics (DRO) and gasoline range organics (GRO) were evaluated qualitatively only in Section 4, because USEPA has not published toxicity criteria for these parameters. Although the refined evaluation presented in Section 5.3 did not indicate that DRO and GRO are major contributors to risk, detected DRO concentrations at two locations in Block E soil exceed a risk-based concentration (6,100 mg/kg) calculated for the industrial worker. Therefore, DRO are also retained as COC for Block E soil. The RGO recommended for DRO is conservatively set at 6,100 mg/kg to account for potential cumulative effects of multiple chemicals impacting the same target organ.

Table 6-1

Preliminary Remedial Goals - Tax Block Soils
Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

CHILD COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[(1)] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[(3)]	NA	0.048	0.48	4.8	NA
Arsenic	NA	1.51	15.1	151	58.1
Hexavalent Chromium	NA	0.468	4.68	46.8	321

ADOLESCENT COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[(1)] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[(3)]	NA	0.156	1.56	15.6	NA

LIFELONG COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[(1)] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[(3)]	NA	0.036	0.36	3.6	NA
Arsenic	NA	1.05	10.5	105	NA
Hexavalent Chromium	NA	0.327	3.27	32.7	NA

CHILD RECREATIONAL USERS					
Chemical	**USEPA RSL[(1,2)] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[(3)]	0.015	0.024	0.241	2.41	NA
Arsenic	0.39	0.786	7.86	78.6	30.3
Hexavalent Chromium	0.29	0.226	2.26	22.6	155

ADOLESCENT RECREATIONAL USERS					
Chemical	**USEPA RSL[(1,2)] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[(3)]	0.015	0.126	1.26	12.6	NA
Arsenic	0.39	2.08	20.8	208	161

LIFELONG RECREATIONAL USERS					
Chemical	**USEPA RSL[(1,2)] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[(3)]	0.015	0.0195	0.195	1.95	NA
Arsenic	0.39	0.491	4.91	49.1	NA
Hexavalent Chromium	0.29	0.181	1.81	18.1	NA

Table 6-1

Preliminary Remedial Goals - Tax Block Soils
Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

CHILD RESIDENTS					
Chemical	**USEPA RSL[1,2] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[3]	0.015	0.017	0.172	1.72	NA
Arsenic	0.39	0.561	5.61	56.1	21.6
Hexavalent Chromium	0.29	0.161	1.61	16.1	111

ADOLESCENT RESIDENTS					
Chemical	**USEPA RSL[1,2] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[3]	0.015	0.090	0.897	8.97	NA
Arsenic	0.39	1.49	14.9	149	114

LIFELONG RESIDENTS					
Chemical	**USEPA RSL[1,2] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[3]	0.015	0.0139	0.139	1.39	NA
Arsenic	0.39	0.351	3.51	35.1	NA
Hexavalent Chromium	0.29	0.129	1.29	12.9	NA

Notes:
1 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. [Cancer benchmark value = 1E-06, Hazard index (HI) = 1.0].
2 - Residential soil.
3 - See Section 3 for benzo(a)pyrene equivalents calculation methodology.
NA - Not applicable/not available.
RSLs are available for commercial receptors.

Table 6-2

Preliminary Remedial Goals - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

CONSTRUCTION WORKERS					
Chemical	**USEPA RSL[1,2] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Aroclor-1254	0.74	5.75	57.5	575	3.31
Aroclor-1260	0.74	5.75	57.5	575	NA

INDUSTRIAL WORKERS					
Chemical	**USEPA RSL[1,2] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
1,2,4-Trichlorobenzene	99	141	1,414	14,137	350
Benzo(a)pyrene Equivalents[4]	0.21	0.289	2.89	28.9	NA
Aroclor-1254	0.74	1.00	10.0	100	14.4
Aroclor-1260	0.74	1.00	10.0	100	NA

CHILD COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[1] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
1,2,4-Trichlorobenzene	NA	77.9	779	7,794	799
Benzo(a)pyrene Equivalents[4]	NA	0.048	0.476	4.76	NA
Aroclor-1254	NA	0.910	9.10	91.0	3.12
Aroclor-1260	NA	0.910	9.10	91.0	NA
Hexavalent Chromium	NA	0.468	4.68	46.8	321

ADOLESCENT COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[1] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
1,2,4-Trichlorobenzene	NA	177	1,767	17,669	1,178
Benzo(a)pyrene Equivalents[4]	NA	0.156	1.56	15.6	NA
Aroclor-1254	NA	1.46	14.6	146	10.0
Aroclor-1260	NA	1.46	14.6	146	NA

Table 6-2

Preliminary Remedial Goals - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LIFELONG COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[(1)] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
1,2,4-Trichlorobenzene	NA	54.1	541	5408	NA
Benzo(a)pyrene Equivalents[(4)]	NA	0.0365	0.365	3.65	NA
Aroclor-1254	NA	0.561	5.61	56.1	NA
Aroclor-1260	NA	0.561	5.61	56.1	NA
Arsenic	NA	1.05	10.5	105	NA
Hexavalent Chromium	NA	0.327	3.27	32.7	NA

ADULT COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[(1)] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
1,2,4-Trichlorobenzene	NA	141	1,414	14,137	350
Benzo(a)pyrene Equivalents[(4)]	NA	0.289	2.89	28.9	NA
Aroclor-1254	NA	1.00	10.0	100	14.4
Aroclor-1260	NA	1.00	10.0	100	NA

CHILD RECREATIONAL USERS					
Chemical	USEPA RSL[(1,3)] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
1,2,3-Trichlorobenzene	49	NA	NA	NA	80.8
1,2,4-Trichlorobenzene	22	40.6	406	4,064	265
Benzo(a)pyrene Equivalents[(4)]	0.015	0.024	0.241	2.41	NA
Aroclor-1254	0.22	0.459	4.59	45.9	1.57
Aroclor-1260	0.22	0.459	4.59	45.9	NA
Arsenic	0.39	0.786	7.86	78.6	30.3
Hexavalent Chromium	0.29	0.226	2.26	22.6	155

ADOLESCENT RECREATIONAL USERS					
Chemical	USEPA RSL[(1,3)] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
1,2,4-Trichlorobenzene	22	108	1,077	10,770	337
Benzo(a)pyrene Equivalents[(4)]	0.015	0.126	1.26	12.6	NA
Aroclor-1254	0.22	1.20	12.0	120	8.21
Aroclor-1260	0.22	1.20	12.0	120	NA

Table 6-2

Preliminary Remedial Goals - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

ADULT RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
1,2,4-Trichlorobenzene	22	184	1,836	18,360	345
Benzo(a)pyrene Equivalents[4]	0.015	0.538	5.38	53.8	NA
Aroclor-1254	0.22	1.91	19.1	191	13.1
Aroclor-1260	0.22	1.91	19.1	191	NA

LIFELONG RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
1,2,4-Trichlorobenzene	22	25.4	254	2542	NA
Benzo(a)pyrene Equivalents[4]	0.015	0.0195	0.195	1.95	NA
Aroclor-1254	0.22	0.283	2.83	28.3	NA
Aroclor-1260	0.22	0.283	2.83	28.3	NA
Arsenic	0.39	0.491	4.91	49.1	NA
Hexavalent Chromium	0.29	0.181	1.81	18.1	NA

CHILD RESIDENTS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
1,2,3-Trichlorobenzene	49	NA	NA	NA	57.7
1,2,4-Trichlorobenzene	22	29.0	290	2,903	76.4
Benzo(a)pyrene Equivalents[4]	0.015	0.017	0.172	1.72	NA
Aroclor-1254	0.22	0.328	3.28	32.8	1.12
Aroclor-1260	0.22	0.328	3.28	32.8	NA
Arsenic	0.39	0.561	5.61	56.1	21.6
Hexavalent Chromium	0.29	0.161	1.61	16.1	111

ADOLESCENT RESIDENTS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
1,2,3-Trichlorobenzene	49	NA	NA	NA	306
1,2,4-Trichlorobenzene	22	76.9	769	7,693	83.6
Benzo(a)pyrene Equivalents[4]	0.015	0.090	0.897	8.97	NA
Aroclor-1254	0.22	0.855	8.55	85.5	5.86
Aroclor-1260	0.22	0.855	8.55	85.5	NA
Hexavalent Chromium	0.29	0.818	8.18	81.8	565

Table 6-2

Preliminary Remedial Goals - Tax Block Soils
Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

ADULT RESIDENTS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
1,2,4-Trichlorobenzene	22	131	1,311	13,114	84.4
Benzo(a)pyrene Equivalents[4]	0.015	0.384	3.84	38.4	NA
Aroclor-1254	0.22	1.37	13.7	137	9.37
Aroclor-1260	0.22	1.37	13.7	137	NA
LIFELONG RESIDENTS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
1,2,4-Trichlorobenzene	22	18.2	182	1816	NA
1,4-Dichlorobenzene	2.4	3.1	31	307	NA
Benzo(a)pyrene Equivalents[4]	0.015	0.014	0.14	1.4	NA
Aroclor-1254	0.22	0.20	2.0	20	NA
Aroclor-1260	0.22	0.202	2.02	20.2	NA
Arsenic	0.39	0.351	3.51	35.1	NA
Hexavalent Chromium	0.29	0.129	1.29	12.9	NA

Notes:
1 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. [Cancer benchmark value = 1E-06, Hazard index (HI) = 1.0].
2 - Industrial soil.
3 - Residential soil.
4 - See Section 3 for benzo(a)pyrene equivalents calculation methodology.
NA - Not applicable/not available.
RSLs are available for commercial receptors.

Table 6-3

Preliminary Remedial Goals - Tax Block Soils
Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

INDUSTRIAL WORKERS					
Chemical	**USEPA RSL[1,2] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	0.21	0.289	2.89	28.9	NA

CHILD COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[1] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	NA	0.048	0.476	4.76	NA
Arsenic	NA	1.51	15.1	151	58.1
Hexavalent Chromium	NA	0.468	4.68	46.8	321

ADOLESCENT COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[1] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	NA	0.156	1.56	15.6	NA
Hexavalent Chromium	NA	1.09	10.9	109	745

LIFELONG COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[1] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	NA	0.0365	0.365	3.65	NA
Arsenic	NA	1.05	10.5	105	NA
Hexavalent Chromium	NA	0.327	3.27	32.7	NA

ADULT COMMERCIAL RECEPTORS					
Chemical	**USEPA RSL[1] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	NA	0.289	2.89	28.9	NA

CHILD RECREATIONAL USERS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	0.015	0.024	0.241	2.41	NA
Naphthalene	3.6	96.2	962	9,621	552
Arsenic	0.39	0.786	7.86	78.6	30.3
Hexavalent Chromium	0.29	0.226	2.26	22.6	155

Table 6-3

Preliminary Remedial Goals - Tax Block Soils
Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

ADOLESCENT RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents[4]	0.015	0.126	1.26	12.6	NA
Hexavalent Chromium	0.29	1.15	11.5	115	792

LIFELONG RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents[4]	0.015	0.0195	0.195	1.95	NA
Naphthalene	3.6	19.2	192.4	1924	NA
Arsenic	0.39	0.491	4.91	49.1	NA
Hexavalent Chromium	0.29	0.181	1.81	18.1	NA

CHILD RESIDENTS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents[4]	0.015	0.017	0.172	1.72	NA
Naphthalene	3.6	22.9	229	2,291	171
Arsenic	0.39	0.561	5.61	56.1	21.6
Hexavalent Chromium	0.29	0.161	1.61	16.1	111

ADOLESCENT RESIDENTS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents[4]	0.015	0.090	0.897	8.97	NA
Naphthalene	3.6	11.5	115	1,145	194
Arsenic	0.39	1.49	14.9	149	114
Hexavalent Chromium	0.29	0.818	8.18	81.8	565

ADULT RESIDENTS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents[4]	0.015	0.384	3.84	38.4	NA
Naphthalene	3.6	11.5	115	1,145	196

Table 6-3

Preliminary Remedial Goals - Tax Block Soils
Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LIFELONG RESIDENTS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents[4]	0.015	0.0139	0.139	1.39	NA
Naphthalene	3.6	4.58	45.8	458	NA
Arsenic	0.39	0.351	3.51	35.1	NA
Hexavalent Chromium	0.29	0.129	1.29	12.9	NA

Notes:
1 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. [Cancer benchmark value = 1E-06, Hazard index (HI) = 1.0].
2 - Industrial soil.
3 - Residential soil.
4 - See Section 3 for benzo(a)pyrene equivalents calculation methodology.
NA - Not applicable/not available.
RSLs are not available for commercial receptors.

Table 6-4

Preliminary Remedial Goals - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

INDUSTRIAL WORKERS					
Chemical	USEPA RSL[1,2] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	0.21	0.289	2.89	28.9	NA
Arsenic	1.6	2.73	27.3	273	438

CHILD COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[1] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	NA	0.048	0.476	4.76	NA
Arsenic	NA	1.51	15.1	151	58.1
Hexavalent Chromium	NA	0.468	4.68	46.8	321

ADOLESCENT COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[1] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	NA	0.156	1.56	15.6	NA
Arsenic	NA	3.42	34.2	342	263

LIFELONG COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[1] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	NA	0.0365	0.365	3.65	NA
Arsenic	NA	1.05	10.5	105	NA
Hexavalent Chromium	NA	0.327	3.27	32.7	NA

ADULT COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[1] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	NA	0.289	2.89	28.9	NA
Arsenic	NA	2.73	27.3	273	438

CHILD RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	0.015	0.024	0.241	2.41	NA
Arsenic	0.39	0.786	7.86	78.6	30.3
Hexavalent Chromium	0.29	0.226	2.26	22.6	155

Table 6-4

Preliminary Remedial Goals - Tax Block Soils
Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

ADOLESCENT RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.126	1.26	12.6	NA
Arsenic	0.39	2.08	20.8	208	161

LIFELONG RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.0195	0.195	1.95	NA
Arsenic	0.39	0.491	4.91	49.1	NA
Hexavalent Chromium	0.29	0.181	1.81	18.1	NA

CHILD RESIDENTS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.017	0.172	1.72	NA
Arsenic	0.39	0.561	5.61	56.1	21.6
Cobalt	23	4,366	43,665	436,648	22.8
Hexavalent Chromium	0.29	0.161	1.61	16.1	111

ADOLESCENT RESIDENTS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.090	0.897	8.97	NA
Arsenic	0.39	1.49	14.9	149	114

LIFELONG RESIDENTS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.014	0.14	1.4	NA
Arsenic	0.39	0.351	3.51	35.1	NA
Hexavalent Chromium	0.29	0.129	1.29	12.9	NA

Notes:
1 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. [Cancer benchmark value = 1E-06, Hazard index (HI) = 1.0].
2 - Industrial soil.
3 - Residential soil.
NA - Not applicable/not available.
RSLs are not available for commercial receptors.

Table 6-5

Preliminary Remedial Goals - Tax Block Soils
Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

INDUSTRIAL WORKERS					
Chemical	USEPA RSL[1,2] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	0.21	0.289	2.89	28.9	NA

CHILD COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[1] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	NA	0.048	0.476	4.76	NA
Arsenic	NA	1.51	15.1	151	58.1
Hexavalent Chromium	NA	0.468	4.68	46.8	321

ADOLESCENT COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[1] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	NA	0.156	1.56	15.6	NA

LIFELONG COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[1] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	NA	0.0365	0.365	3.65	NA
Arsenic	NA	1.05	10.5	105	NA
Hexavalent Chromium	NA	0.327	3.27	32.7	NA

ADULT COMMERCIAL RECEPTORS					
Chemical	USEPA RSL[1] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	NA	0.289	2.89	28.9	NA

CHILD RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level 10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	Hazard Index = 1 (mg/kg)
Benzo(a)pyrene Equivalents	0.015	0.024	0.241	2.41	NA
Arsenic	0.39	0.786	7.86	78.6	30.3
Hexavalent Chromium	0.29	0.225	2.25	22.5	155

Table 6-5

Preliminary Remedial Goals - Tax Block Soils
Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

ADOLESCENT RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.126	1.26	12.6	NA
Arsenic	0.39	2.08	20.8	208	161

ADULT RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.538	5.38	53.8	NA

LIFELONG RECREATIONAL USERS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.0195	0.195	1.95	NA
Arsenic	0.39	0.491	4.91	49.1	NA
Hexavalent Chromium	0.29	0.181	1.81	18.1	NA

CHILD RESIDENTS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.017	0.172	1.72	NA
Arsenic	0.39	0.561	5.61	56.1	21.6
Hexavalent Chromium	0.29	0.161	1.61	16.1	111

ADOLESCENT RESIDENTS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.090	0.897	8.97	NA
Arsenic	0.39	1.49	14.9	149	114
Hexavalent Chromium	0.29	0.818	8.18	81.8	565

ADULT RESIDENTS					
Chemical	USEPA RSL[1,3] (mg/kg)	Target Cancer Risk Level			Hazard Index = 1 (mg/kg)
		10^{-6} (mg/kg)	10^{-5} (mg/kg)	10^{-4} (mg/kg)	
Benzo(a)pyrene Equivalents	0.015	0.384	3.84	38.4	NA

Table 6-5

Preliminary Remedial Goals - Tax Block Soils
Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LIFELONG RESIDENTS					
Chemical	**USEPA RSL[1,3] (mg/kg)**	**Target Cancer Risk Level**			**Hazard Index = 1 (mg/kg)**
		10^{-6} (mg/kg)	**10^{-5} (mg/kg)**	**10^{-4} (mg/kg)**	
Benzo(a)pyrene Equivalents	0.015	0.0195	0.195	1.95	NA
Arsenic	0.39	0.491	4.91	49.1	NA

Notes:
1 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. [Cancer benchmark value = 1E-06, Hazard index (HI) = 1.0].
2 - Industrial soil.
3 - Residential soil.
NA - Not applicable/not available.
RSLs are not available for commercial receptors.

Section 7
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APPENDIX A—DATA SUMMARY TABLES

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31A-SS	SB-32A-SS	SB-33A-SS	F-SB-57RE-1	F-SB-57RE-2	F-SB-57RE-2-AVG
SAMPLE DATE	20040913	20040924	20040917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB
TOP DEPTH	0	0	0	1	2	2
BOTTOM DEPTH	0	0	0	1	2	2
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	5 U	6 UL	5 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	5 U	6 UL	5 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	5 U	6 UL	5 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	5 U	6 UL	5 U	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5 U	6 UL	5 U	NA	NA	NA
1,1-DICHLOROETHANE	5 U	6 UL	5 U	NA	NA	NA
1,1-DICHLOROETHENE	5 U	6 UL	5 U	NA	NA	NA
1,1-DICHLOROPROPENE	5 U	6 UL	5 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	5 U	6 UL	5 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	5 U	6 UL	5 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	5 U	6 UL	5 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	5 U	6 UL	5 U	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	5 U	6 UL	5 U	NA	NA	NA
1,2-DIBROMOETHANE	5 U	6 UL	5 U	NA	NA	NA
1,2-DICHLOROBENZENE	5 U	6 UL	5 U	NA	NA	NA
1,2-DICHLOROETHANE	5 U	6 UL	5 U	NA	NA	NA
1,2-DICHLOROPROPANE	5 U	6 UL	5 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	5 U	6 UL	5 U	NA	NA	NA
1,3-DICHLOROBENZENE	5 U	6 UL	5 U	NA	NA	NA
1,3-DICHLOROPROPANE	5 U	6 UL	5 U	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5 U	6 UL	5 U	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5 U	6 UL	5 U	NA	NA	NA
2-BUTANONE	55 U	55 UL	54 U	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	5 U	6 UL	5 U	NA	NA	NA
2-CHLOROTOLUENE	5 U	6 UL	5 U	NA	NA	NA
2-HEXANONE	55 U	55 UL	54 U	NA	NA	NA
4-CHLOROTOLUENE	5 U	6 UL	5 U	NA	NA	NA
4-ISOPROPYLTOLUENE	5 U	6 UL	5 U	NA	NA	NA
4-METHYL-2-PENTANONE	55 U	55 UL	54 U	NA	NA	NA
ACETONE	55 U	55 UL	54 U	NA	NA	NA
BENZENE	5 U	6 UL	5 U	NA	NA	NA
BROMOBENZENE	5 U	6 UL	5 U	NA	NA	NA
BROMOCHLOROMETHANE	5 U	6 UL	5 U	NA	NA	NA
BROMODICHLOROMETHANE	5 U	6 UL	5 U	NA	NA	NA
BROMOFORM	5 U	6 UL	5 U	NA	NA	NA
BROMOMETHANE	5 U	6 UL	5 U	NA	NA	NA
CARBON DISULFIDE	5 U	6 UL	5 U	NA	NA	NA
CARBON TETRACHLORIDE	5 U	6 UL	5 U	NA	NA	NA
CHLOROBENZENE	5 U	6 UL	5 U	NA	NA	NA
CHLORODIBROMOMETHANE	5 U	6 UL	5 U	NA	NA	NA
CHLOROETHANE	5 U	6 UL	5 U	NA	NA	NA
CHLOROFORM	5 U	6 UL	5 U	NA	NA	NA
CHLOROMETHANE	5 U	6 UL	5 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	5 U	6 UL	5 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	5 U	6 UL	5 U	NA	NA	NA
DIBROMOMETHANE	5 U	6 UL	5 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	5 U	6 UL	5 U	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	5 U	6 UL	5 U	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31A-SS	SB-32A-SS	SB-33A-SS	F-SB-57RE-1	F-SB-57RE-2	F-SB-57RE-2-AVG
SAMPLE DATE	20040913	20040924	20040917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB
TOP DEPTH	0	0	0	1	2	2
BOTTOM DEPTH	0	0	0	1	2	2
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	5 U	6 UL	5 U	NA	NA	NA
M+P-XYLENES	11 U	11 UL	10 J	NA	NA	NA
METHYL TERT-BUTYL ETHER	5 U	6 UL	5 U	NA	NA	NA
METHYLENE CHLORIDE	5 U	6 UL	8 J	NA	NA	NA
NAPHTHALENE	5 U	6 UL	5 U	NA	NA	NA
N-BUTYLBENZENE	5 U	6 UL	5 U	NA	NA	NA
N-PROPYLBENZENE	5 U	6 UL	5 U	NA	NA	NA
O-XYLENE	5 U	6 UL	5 U	NA	NA	NA
SEC-BUTYLBENZENE	5 U	6 UL	5 U	NA	NA	NA
STYRENE	5 U	6 UL	5 U	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	5 U	6 UL	5 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	5 U	6 UL	5 U	NA	NA	NA
TOLUENE	5 U	6 UL	5 U	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	5 U	6 UL	5 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	5 U	6 UL	5 U	NA	NA	NA
TRICHLOROETHENE	5 U	6 UL	5 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	5 U	6 UL	5 U	NA	NA	NA
VINYL ACETATE	5 U	6 UL	5 U	NA	NA	NA
VINYL CHLORIDE	5 U	6 UL	5 U	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	370 U	3700 U	3600 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	370 U	3700 U	3600 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	920 U	9200 U	9100 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	370 U	3700 U	3600 U	NA	NA	NA
2,4-DICHLOROPHENOL	370 U	3700 U	3600 U	NA	NA	NA
2,4-DIMETHYLPHENOL	370 U	3700 U	3600 U	NA	NA	NA
2,4-DINITROPHENOL	920 U	9200 U	9100 U	NA	NA	NA
2,4-DINITROTOLUENE	370 U	3700 U	3600 U	NA	NA	NA
2,6-DINITROTOLUENE	370 U	3700 U	3600 U	NA	NA	NA
2-CHLORONAPHTHALENE	370 U	3700 U	3600 U	NA	NA	NA
2-CHLOROPHENOL	370 U	3700 U	3600 U	NA	NA	NA
2-METHYLPHENOL	370 U	3700 U	3600 U	NA	NA	NA
2-NITROANILINE	920 U	9200 U	9100 U	NA	NA	NA
2-NITROPHENOL	370 U	3700 U	3600 U	NA	NA	NA
3&4-METHYLPHENOL	370 U	3700 U	3600 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	370 U	3700 U	3600 U	NA	NA	NA
3-NITROANILINE	920 U	9200 U	9100 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	850 U	8400 U	8400 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	370 U	3700 U	3600 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	370 U	3700 U	3600 U	NA	NA	NA
4-CHLOROANILINE	370 U	3700 U	3600 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	370 U	3700 U	3600 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	920 U	9200 U	9100 U	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31A-SS	SB-32A-SS	SB-33A-SS	F-SB-57RE-1	F-SB-57RE-2	F-SB-57RE-2-AVG
SAMPLE DATE	20040913	20040924	20040917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB
TOP DEPTH	0	0	0	1	2	2
BOTTOM DEPTH	0	0	0	1	2	2
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	920 U	9200 U	9100 U	NA	NA	NA
ACETOPHENONE	370 U	3700 U	3600 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	370 U	3700 U	3600 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	370 U	3700 U	3600 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	370 U	3700 U	3600 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	370 U	3700 U	3600 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	370 U	3700 U	3600 U	NA	NA	NA
CAPROLACTAM	370 U	3700 U	3600 U	NA	NA	NA
CARBAZOLE	370 U	3700 U	3600 U	NA	NA	NA
DIBENZOFURAN	370 U	3700 U	3600 U	NA	NA	NA
DIETHYL PHTHALATE	370 U	3700 U	3600 U	NA	NA	NA
DIMETHYL PHTHALATE	370 U	3700 U	3600 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	370 U	3700 U	3600 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	370 U	3700 U	3600 UJ	NA	NA	NA
HEXACHLOROBENZENE	370 U	3700 U	3600 U	NA	NA	NA
HEXACHLOROBUTADIENE	370 U	3700 U	3600 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	370 U	3700 U	3600 U	NA	NA	NA
HEXACHLOROETHANE	370 U	3700 U	3600 U	NA	NA	NA
ISOPHORONE	370 U	3700 U	3600 U	NA	NA	NA
NITROBENZENE	370 U	3700 U	3600 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	370 U	3700 U	3600 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	370 U	3700 U	3600 U	NA	NA	NA
PENTACHLOROPHENOL	920 U	9200 U	9100 U	NA	NA	NA
PHENOL	370 U	3700 U	3600 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	370 U	3700 U	3600 U	NA	NA	NA
ACENAPHTHENE	370 U	3700 U	3600 U	NA	NA	NA
ACENAPHTHYLENE	370 U	3700 U	3600 U	NA	NA	NA
ANTHRACENE	370 U	3700 U	3600 U	NA	NA	NA
BAP EQUIVALENT-HALFND	370 U	3700 U	3600 U	20.4	1.5 U	1.5 U
BAP EQUIVALENT-POS	370 U	3700 U	3600 U	19.6	1.5 U	1.5 U
BENZO(A)ANTHRACENE	370 U	3700 U	3600 U	13	1.1 U	1.1 U
BENZO(A)PYRENE	370 U	3700 U	3600 UJ	14	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	370 U	3700 U	3600 UJ	22	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	370 U	3700 U	3600 UJ	NA	NA	NA
BENZO(K)FLUORANTHENE	370 U	3700 U	3600 UJ	9.2	1.9 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31A-SS	SB-32A-SS	SB-33A-SS	F-SB-57RE-1	F-SB-57RE-2	F-SB-57RE-2-AVG
SAMPLE DATE	20040913	20040924	20040917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB
TOP DEPTH	0	0	0	1	2	2
BOTTOM DEPTH	0	0	0	1	2	2
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	370 U	3700 U	3600 U	18	1 U	1 U
DIBENZO(A,H)ANTHRACENE	370 U	3700 U	3600 UJ	1.5 U	1.5 U	1.5 U
FLUORANTHENE	370 U	3700 U	3600 U	NA	NA	NA
FLUORENE	370 U	3700 U	3600 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	370 U	3700 U	3600 UJ	20	1.7 U	1.7 U
NAPHTHALENE	370 U	3700 U	3600 U	NA	NA	NA
PHENANTHRENE	370 U	3700 U	3600 U	NA	NA	NA
PYRENE	37 J	3700 U	3600 U	NA	NA	NA
TOTAL PAHS	37	0 U	0 U	96.2	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	270 U	270 U	270 U	NA	NA	NA
AROCLOR-1221	270 U	270 U	270 U	NA	NA	NA
AROCLOR-1232	270 U	270 U	270 U	NA	NA	NA
AROCLOR-1242	270 U	270 U	270 U	NA	NA	NA
AROCLOR-1248	270 U	270 U	270 U	NA	NA	NA
AROCLOR-1254	270 U	270 U	270 U	NA	NA	NA
AROCLOR-1260	270 U	270 U	270 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	2.6 UR	2.4 UL	2.4 UR	NA	NA	NA
ARSENIC	1.8 L	0.48 U	1 L	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31A-SS	SB-32A-SS	SB-33A-SS	F-SB-57RE-1	F-SB-57RE-2	F-SB-57RE-2-AVG
SAMPLE DATE	20040913	20040924	20040917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB
TOP DEPTH	0	0	0	1	2	2
BOTTOM DEPTH	0	0	0	1	2	2
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	2.6 U	2.4 U	2.4 UL	NA	NA	NA
CADMIUM	2.6 UL	2.4 U	2.4 UL	NA	NA	NA
CHROMIUM	7.9 L	14 J	7.1 K	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	7.4	15 J	34 L	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	2.8 J	13 K	12 L	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.11 UL	0.096 U	0.098 U	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	3.6 K	14 K	25	NA	NA	NA
SELENIUM	2.6 UL	2.5	2.4 UL	NA	NA	NA
SILVER	2.6 UR	2.4 UR	2.4 UR	NA	NA	NA
THALLIUM	2.1 UL	1.9 U	2 UL	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	26 UL	24 UL	24 U	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	11000 U	1800000	11000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	110 U	1100	3200	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-57RE-2-D	SB-57-SS	F-SB-58RE-1	F-SB-58RE-2	SB-58-SS	F-SB-58REA-2
SAMPLE DATE	20090917	20040913	20090917	20090917	20040913	20091103
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	2	0	1	2	0	2
BOTTOM DEPTH	2	0	1	2	0	2
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	7 U	NA	NA	5 U	NA
1,1,1-TRICHLOROETHANE	NA	7 U	NA	NA	5 U	NA
1,1,2,2-TETRACHLOROETHANE	NA	7 U	NA	NA	5 U	NA
1,1,2-TRICHLOROETHANE	NA	7 U	NA	NA	5 U	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	7 U	NA	NA	5 U	NA
1,1-DICHLOROETHANE	NA	7 U	NA	NA	5 U	NA
1,1-DICHLOROETHENE	NA	7 U	NA	NA	5 U	NA
1,1-DICHLOROPROPENE	NA	7 U	NA	NA	5 U	NA
1,2,3-TRICHLOROBENZENE	NA	7 U	NA	NA	5 U	NA
1,2,3-TRICHLOROPROPANE	NA	7 U	NA	NA	5 U	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	7 U	NA	NA	5 U	NA
1,2,4-TRIMETHYLBENZENE	NA	7 U	NA	NA	5 U	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	7 U	NA	NA	5 U	NA
1,2-DIBROMOETHANE	NA	7 U	NA	NA	5 U	NA
1,2-DICHLOROBENZENE	NA	7 U	NA	NA	5 U	NA
1,2-DICHLOROETHANE	NA	7 U	NA	NA	5 U	NA
1,2-DICHLOROPROPANE	NA	7 U	NA	NA	5 U	NA
1,3,5-TRIMETHYLBENZENE	NA	7 U	NA	NA	5 U	NA
1,3-DICHLOROBENZENE	NA	7 U	NA	NA	5 U	NA
1,3-DICHLOROPROPANE	NA	7 U	NA	NA	5 U	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	7 U	NA	NA	5 U	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	7 U	NA	NA	5 U	NA
2-BUTANONE	NA	67 U	NA	NA	53 U	NA
2-CHLOROETHYL VINYL ETHER	NA	7 U	NA	NA	5 U	NA
2-CHLOROTOLUENE	NA	7 U	NA	NA	5 U	NA
2-HEXANONE	NA	67 U	NA	NA	53 U	NA
4-CHLOROTOLUENE	NA	7 U	NA	NA	5 U	NA
4-ISOPROPYLTOLUENE	NA	7 U	NA	NA	5 U	NA
4-METHYL-2-PENTANONE	NA	67 U	NA	NA	53 U	NA
ACETONE	NA	67 U	NA	NA	53 U	NA
BENZENE	NA	7 U	NA	NA	5 U	NA
BROMOBENZENE	NA	7 U	NA	NA	5 U	NA
BROMOCHLOROMETHANE	NA	7 U	NA	NA	5 U	NA
BROMODICHLOROMETHANE	NA	7 U	NA	NA	5 U	NA
BROMOFORM	NA	7 U	NA	NA	5 U	NA
BROMOMETHANE	NA	7 U	NA	NA	5 U	NA
CARBON DISULFIDE	NA	7 U	NA	NA	5 U	NA
CARBON TETRACHLORIDE	NA	7 U	NA	NA	5 U	NA
CHLOROBENZENE	NA	7 U	NA	NA	5 U	NA
CHLORODIBROMOMETHANE	NA	7 U	NA	NA	5 U	NA
CHLOROETHANE	NA	7 U	NA	NA	5 U	NA
CHLOROFORM	NA	7 U	NA	NA	5 U	NA
CHLOROMETHANE	NA	7 U	NA	NA	5 U	NA
CIS-1,2-DICHLOROETHENE	NA	7 U	NA	NA	5 U	NA
CIS-1,3-DICHLOROPROPENE	NA	7 U	NA	NA	5 U	NA
DIBROMOMETHANE	NA	7 U	NA	NA	5 U	NA
DICHLORODIFLUOROMETHANE	NA	7 U	NA	NA	5 U	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	7 U	NA	NA	5 U	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

LOCATION	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-57RE-2-D	SB-57-SS	F-SB-58RE-1	F-SB-58RE-2	SB-58-SS	F-SB-58REA-2
SAMPLE DATE	20090917	20040913	20090917	20090917	20040913	20091103
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	2	0	1	2	0	2
BOTTOM DEPTH	2	0	1	2	0	2
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	7 U	NA	NA	5 U	NA
M+P-XYLENES	NA	13 U	NA	NA	11 U	NA
METHYL TERT-BUTYL ETHER	NA	7 U	NA	NA	5 U	NA
METHYLENE CHLORIDE	NA	7 U	NA	NA	5 U	NA
NAPHTHALENE	NA	7 U	NA	NA	5 U	NA
N-BUTYLBENZENE	NA	7 U	NA	NA	5 U	NA
N-PROPYLBENZENE	NA	7 U	NA	NA	5 U	NA
O-XYLENE	NA	7 U	NA	NA	5 U	NA
SEC-BUTYLBENZENE	NA	7 U	NA	NA	5 U	NA
STYRENE	NA	7 U	NA	NA	5 U	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	7 U	NA	NA	5 U	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	7 U	NA	NA	5 U	NA
TOLUENE	NA	7 U	NA	NA	5 U	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	7 U	NA	NA	5 U	NA
TRANS-1,3-DICHLOROPROPENE	NA	7 U	NA	NA	5 U	NA
TRICHLOROETHENE	NA	7 U	NA	NA	5 U	NA
TRICHLOROFLUOROMETHANE	NA	7 U	NA	NA	5 U	NA
VINYL ACETATE	NA	7 U	NA	NA	5 U	NA
VINYL CHLORIDE	NA	7 U	NA	NA	5 U	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	450 U	NA	NA	3600 U	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	450 U	NA	NA	3600 U	NA
2,4,5-TRICHLOROPHENOL	NA	1100 U	NA	NA	9000 U	NA
2,4,6-TRICHLOROPHENOL	NA	450 U	NA	NA	3600 U	NA
2,4-DICHLOROPHENOL	NA	450 U	NA	NA	3600 U	NA
2,4-DIMETHYLPHENOL	NA	450 U	NA	NA	3600 U	NA
2,4-DINITROPHENOL	NA	1100 U	NA	NA	9000 U	NA
2,4-DINITROTOLUENE	NA	450 U	NA	NA	3600 U	NA
2,6-DINITROTOLUENE	NA	450 U	NA	NA	3600 U	NA
2-CHLORONAPHTHALENE	NA	450 U	NA	NA	3600 U	NA
2-CHLOROPHENOL	NA	450 U	NA	NA	3600 U	NA
2-METHYLPHENOL	NA	450 U	NA	NA	3600 U	NA
2-NITROANILINE	NA	1100 U	NA	NA	9000 U	NA
2-NITROPHENOL	NA	450 U	NA	NA	3600 U	NA
3&4-METHYLPHENOL	NA	450 U	NA	NA	3600 U	NA
3,3'-DICHLOROBENZIDINE	NA	450 U	NA	NA	3600 U	NA
3-NITROANILINE	NA	1100 U	NA	NA	9000 U	NA
4,6-DINITRO-2-METHYLPHENOL	NA	1000 U	NA	NA	8300 U	NA
4-BROMOPHENYL PHENYL ETHER	NA	450 U	NA	NA	3600 U	NA
4-CHLORO-3-METHYLPHENOL	NA	450 U	NA	NA	3600 U	NA
4-CHLOROANILINE	NA	450 U	NA	NA	3600 U	NA
4-CHLOROPHENYL PHENYL ETHER	NA	450 U	NA	NA	3600 U	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	1100 U	NA	NA	9000 U	NA

LOCATION	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-57RE-2-D	SB-57-SS	F-SB-58RE-1	F-SB-58RE-2	SB-58-SS	F-SB-58REA-2
SAMPLE DATE	20090917	20040913	20090917	20090917	20040913	20091103
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	2	0	1	2	0	2
BOTTOM DEPTH	2	0	1	2	0	2
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	1100 U	NA	NA	9000 U	NA
ACETOPHENONE	NA	450 U	NA	NA	3600 U	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	450 U	NA	NA	3600 U	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	450 U	NA	NA	3600 U	NA
BIS(2-CHLOROETHYL)ETHER	NA	450 U	NA	NA	3600 U	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	450 U	NA	NA	3600 U	NA
BUTYL BENZYL PHTHALATE	NA	450 U	NA	NA	3600 U	NA
CAPROLACTAM	NA	450 U	NA	NA	3600 U	NA
CARBAZOLE	NA	450 U	NA	NA	3600 U	NA
DIBENZOFURAN	NA	450 U	NA	NA	3600 U	NA
DIETHYL PHTHALATE	NA	450 U	NA	NA	3600 U	NA
DIMETHYL PHTHALATE	NA	450 U	NA	NA	2000 J	NA
DI-N-BUTYL PHTHALATE	NA	450 U	NA	NA	3600 U	NA
DI-N-OCTYL PHTHALATE	NA	450 U	NA	NA	3600 U	NA
HEXACHLOROBENZENE	NA	450 U	NA	NA	3600 U	NA
HEXACHLOROBUTADIENE	NA	450 U	NA	NA	3600 U	NA
HEXACHLOROCYCLOPENTADIENE	NA	450 U	NA	NA	3600 U	NA
HEXACHLOROETHANE	NA	450 U	NA	NA	3600 U	NA
ISOPHORONE	NA	450 U	NA	NA	3600 U	NA
NITROBENZENE	NA	450 U	NA	NA	3600 U	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	450 U	NA	NA	3600 U	NA
N-NITROSODIPHENYLAMINE	NA	450 U	NA	NA	3600 U	NA
PENTACHLOROPHENOL	NA	1100 U	NA	NA	9000 U	NA
PHENOL	NA	450 U	NA	NA	3600 U	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	450 U	NA	NA	3600 U	NA
ACENAPHTHENE	NA	450 U	NA	NA	3600 U	NA
ACENAPHTHYLENE	NA	450 U	NA	NA	3600 U	NA
ANTHRACENE	NA	450 U	NA	NA	3600 U	NA
BAP EQUIVALENT-HALFND	1.5 U	520	715	8596	3600 U	33.9
BAP EQUIVALENT-POS	1.5 U	0.06	714	8591	3600 U	33.2
BENZO(A)ANTHRACENE	1.1 U	450 U	380	5200	3600 U	23 J
BENZO(A)PYRENE	1.5 U	450 U	560	6900	3600 U	23 J
BENZO(B)FLUORANTHENE	1.4 U	450 U	780	7400	3600 U	56 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	450 U	NA	NA	3600 U	NA
BENZO(K)FLUORANTHENE	1.9 U	450 U	290	3600	3600 U	16 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-57RE-2-D	SB-57-SS	F-SB-58RE-1	F-SB-58RE-2	SB-58-SS	F-SB-58REA-2
SAMPLE DATE	20090917	20040913	20090917	20090917	20040913	20091103
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	2	0	1	2	0	2
BOTTOM DEPTH	2	0	1	2	0	2
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	60 J	530	4600	3600 U	37 J
DIBENZO(A,H)ANTHRACENE	1.5 U	450 U	1.7 U	11 U	3600 U	1.5 UJ
FLUORANTHENE	NA	98 J	NA	NA	630 J	NA
FLUORENE	NA	450 U	NA	NA	3600 U	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	450 U	350	3900	3600 U	21 J
NAPHTHALENE	NA	450 U	NA	NA	3600 U	NA
PHENANTHRENE	NA	54 J	NA	NA	3600 U	NA
PYRENE	NA	94 J	NA	NA	540 J	NA
TOTAL PAHS	0 U	306	2890	31600	1170	176
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	53 U	NA	NA	42 U	NA
4,4'-DDE	NA	53 U	NA	NA	42 U	NA
4,4'-DDT	NA	53 U	NA	NA	42 U	NA
ALDRIN	NA	53 U	NA	NA	42 U	NA
ALPHA-BHC	NA	53 U	NA	NA	42 U	NA
ALPHA-CHLORDANE	NA	53 U	NA	NA	42 U	NA
AROCLOR-1016	NA	330 U	NA	NA	260 U	NA
AROCLOR-1221	NA	330 U	NA	NA	260 U	NA
AROCLOR-1232	NA	330 U	NA	NA	260 U	NA
AROCLOR-1242	NA	330 U	NA	NA	260 U	NA
AROCLOR-1248	NA	330 U	NA	NA	260 U	NA
AROCLOR-1254	NA	330 U	NA	NA	260 U	NA
AROCLOR-1260	NA	330 U	NA	NA	260 U	NA
BETA-BHC	NA	53 U	NA	NA	42 U	NA
DELTA-BHC	NA	53 U	NA	NA	42 U	NA
DIELDRIN	NA	53 U	NA	NA	42 U	NA
ENDOSULFAN I	NA	53 U	NA	NA	42 U	NA
ENDOSULFAN II	NA	53 U	NA	NA	42 U	NA
ENDOSULFAN SULFATE	NA	53 U	NA	NA	42 U	NA
ENDRIN	NA	53 U	NA	NA	42 U	NA
ENDRIN ALDEHYDE	NA	53 U	NA	NA	42 U	NA
ENDRIN KETONE	NA	53 U	NA	NA	42 U	NA
GAMMA-BHC (LINDANE)	NA	53 U	NA	NA	42 U	NA
GAMMA-CHLORDANE	NA	53 U	NA	NA	42 U	NA
HEPTACHLOR	NA	53 U	NA	NA	42 U	NA
HEPTACHLOR EPOXIDE	NA	53 U	NA	NA	42 U	NA
METHOXYCHLOR	NA	53 U	NA	NA	42 U	NA
TOTAL AROCLOR	NA	0 U	NA	NA	0 U	NA
TOXAPHENE	NA	1300 U	NA	NA	1100 U	NA
METALS (MG/KG)						
ANTIMONY	NA	3.1 UR	NA	NA	2.6 UR	NA
ARSENIC	NA	2.2 L	NA	NA	1.5 L	NA
BARIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-57RE-2-D	SB-57-SS	F-SB-58RE-1	F-SB-58RE-2	SB-58-SS	F-SB-58REA-2
SAMPLE DATE	20090917	20040913	20090917	20090917	20040913	20091103
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	2	0	1	2	0	2
BOTTOM DEPTH	2	0	1	2	0	2
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	3.1 U	NA	NA	2.6 U	NA
CADMIUM	NA	3.1 UL	NA	NA	2.6 UL	NA
CHROMIUM	NA	11 L	NA	NA	24 L	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	7.5	NA	NA	9.4	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	8.6 J	NA	NA	41 J	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.13 UL	NA	NA	0.1 UL	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	7.4	NA	NA	8.4	NA
SELENIUM	NA	3.1 UL	NA	NA	2.6 UL	NA
SILVER	NA	3.1 UR	NA	NA	2.6 UR	NA
THALLIUM	NA	2.5 UL	NA	NA	2.1 UL	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	31 UL	NA	NA	43 J	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	14000 U	NA	NA	100000 L	NA
GASOLINE RANGE ORGANICS	NA	130 U	NA	NA	110 U	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058B	SB-058C	SB-058D	SB-059
SAMPLE ID	F-SB-58REA-2-AVG	F-SB-58REA-2-D	F-SB-58REB-2	F-SB-58REC-2	F-SB-58RED-2	SB-59-SS
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20040923
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	2	2	2	2	2	0
BOTTOM DEPTH	2	2	2	2	2	0
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	5 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	5 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	5 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	5 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	5 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	5 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	5 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	5 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	5 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	5 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	5 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	5 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	5 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	5 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	5 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	5 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	5 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	5 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	5 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	5 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	5 U
2-BUTANONE	NA	NA	NA	NA	NA	52 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	5 U
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	5 U
2-HEXANONE	NA	NA	NA	NA	NA	52 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	5 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	5 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	52 U
ACETONE	NA	NA	NA	NA	NA	52 U
BENZENE	NA	NA	NA	NA	NA	5 U
BROMOBENZENE	NA	NA	NA	NA	NA	5 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	5 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	5 U
BROMOFORM	NA	NA	NA	NA	NA	5 U
BROMOMETHANE	NA	NA	NA	NA	NA	5 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	5 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	5 U
CHLOROBENZENE	NA	NA	NA	NA	NA	5 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	5 U
CHLOROETHANE	NA	NA	NA	NA	NA	5 U
CHLOROFORM	NA	NA	NA	NA	NA	5 U
CHLOROMETHANE	NA	NA	NA	NA	NA	5 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	5 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	5 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	5 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	5 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	5 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058B	SB-058C	SB-058D	SB-059
SAMPLE ID	F-SB-58REA-2-AVG	F-SB-58REA-2-D	F-SB-58REB-2	F-SB-58REC-2	F-SB-58RED-2	SB-59-SS
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20040923
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	2	2	2	2	2	0
BOTTOM DEPTH	2	2	2	2	2	0
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	5 U
M+P-XYLENES	NA	NA	NA	NA	NA	10 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	5 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	7 J
NAPHTHALENE	NA	NA	NA	NA	NA	5 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	5 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	5 U
O-XYLENE	NA	NA	NA	NA	NA	5 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	5 U
STYRENE	NA	NA	NA	NA	NA	5 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	5 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	5 U
TOLUENE	NA	NA	NA	NA	NA	5 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	5 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	5 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	5 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	5 U
VINYL ACETATE	NA	NA	NA	NA	NA	5 U
VINYL CHLORIDE	NA	NA	NA	NA	NA	5 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	3500 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	3500 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	8800 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	3500 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	3500 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	3500 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	8800 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	3500 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	3500 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	3500 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	3500 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	3500 U
2-NITROANILINE	NA	NA	NA	NA	NA	8800 U
2-NITROPHENOL	NA	NA	NA	NA	NA	3500 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	3500 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	3500 U
3-NITROANILINE	NA	NA	NA	NA	NA	8800 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	8100 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	3500 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	3500 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	3500 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	3500 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	8800 U

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058B	SB-058C	SB-058D	SB-059
SAMPLE ID	F-SB-58REA-2-AVG	F-SB-58REA-2-D	F-SB-58REB-2	F-SB-58REC-2	F-SB-58RED-2	SB-59-SS
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20040923
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	2	2	2	2	2	0
BOTTOM DEPTH	2	2	2	2	2	0
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	8800 U
ACETOPHENONE	NA	NA	NA	NA	NA	3500 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	3500 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	3500 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	3500 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	3500 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	3500 U
CAPROLACTAM	NA	NA	NA	NA	NA	3500 U
CARBAZOLE	NA	NA	NA	NA	NA	3500 U
DIBENZOFURAN	NA	NA	NA	NA	NA	3500 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	3500 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	3500 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	3500 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	3500 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	3500 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	3500 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	3500 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	3500 U
ISOPHORONE	NA	NA	NA	NA	NA	3500 U
NITROBENZENE	NA	NA	NA	NA	NA	3500 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	3500 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	3500 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	8800 U
PHENOL	NA	NA	NA	NA	NA	3500 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	3500 U
ACENAPHTHENE	NA	NA	NA	NA	NA	3500 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	3500 U
ANTHRACENE	NA	NA	NA	NA	NA	3500 U
BAP EQUIVALENT-HALFND	121	209	3019	6424	131	3500 U
BAP EQUIVALENT-POS	121	209	3019	6424	131	3500 U
BENZO(A)ANTHRACENE	71.5	120 J	1700	4300	55	3500 U
BENZO(A)PYRENE	76.5	130 J	2000	4300	79	3500 U
BENZO(B)FLUORANTHENE	123	190 J	2300	5800	110	3500 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	3500 U
BENZO(K)FLUORANTHENE	37	58 J	740	2000	28	3500 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058B	SB-058C	SB-058D	SB-059
SAMPLE ID	F-SB-58REA-2-AVG	F-SB-58REA-2-D	F-SB-58REB-2	F-SB-58REC-2	F-SB-58RED-2	SB-59-SS
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20040923
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	2	2	2	2	2	0
BOTTOM DEPTH	2	2	2	2	2	0
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	78.5	120 J	1700	3900	58	3500 U
DIBENZO(A,H)ANTHRACENE	19.875	39 J	480	850	29	3500 U
FLUORANTHENE	NA	NA	NA	NA	NA	3500 U
FLUORENE	NA	NA	NA	NA	NA	3500 U
INDENO(1,2,3-CD)PYRENE	51	81 J	1300	2400	58	3500 U
NAPHTHALENE	NA	NA	NA	NA	NA	3500 U
PHENANTHRENE	NA	NA	NA	NA	NA	3500 U
PYRENE	NA	NA	NA	NA	NA	3500 U
TOTAL PAHS	457	738	10220	23550	417	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	260 U
AROCLOR-1221	NA	NA	NA	NA	NA	260 U
AROCLOR-1232	NA	NA	NA	NA	NA	260 U
AROCLOR-1242	NA	NA	NA	NA	NA	260 U
AROCLOR-1248	NA	NA	NA	NA	NA	260 U
AROCLOR-1254	NA	NA	NA	NA	NA	260 U
AROCLOR-1260	NA	NA	NA	NA	NA	260 U
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	2.5 UL
ARSENIC	NA	NA	NA	NA	NA	1.7
BARIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-058	SB-058	SB-058B	SB-058C	SB-058D	SB-059
SAMPLE ID	F-SB-58REA-2-AVG	F-SB-58REA-2-D	F-SB-58REB-2	F-SB-58REC-2	F-SB-58RED-2	SB-59-SS
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20040923
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	2	2	2	2	2	0
BOTTOM DEPTH	2	2	2	2	2	0
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	2.5 U
CADMIUM	NA	NA	NA	NA	NA	2.5 U
CHROMIUM	NA	NA	NA	NA	NA	9.4 J
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	4.8
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	5.1
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	0.099 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	5.6
SELENIUM	NA	NA	NA	NA	NA	2.5 U
SILVER	NA	NA	NA	NA	NA	2.5 UR
THALLIUM	NA	NA	NA	NA	NA	2 U
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	25 UL
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	21000
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	1400
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060B	SB-060C
SAMPLE ID	D-SB-60RE-1	D-SB-60RE-2	SB-60-SS	D-SB-60REA-1	D-SB-60REB-1	D-SB-60REC-1
SAMPLE DATE	20090915	20090915	20040924	20091012	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	1	1	1
BOTTOM DEPTH	1	2	0	1	1	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	6 UL	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	6 UL	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	6 UL	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	6 UL	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	6 UL	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	6 UL	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	6 UL	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	6 UL	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	6 UL	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	6 UL	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	6 UL	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	6 UL	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	6 UL	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	6 UL	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	6 UL	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	6 UL	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	6 UL	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	6 UL	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	6 UL	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	6 UL	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	6 UL	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	6 UL	NA	NA	NA
2-BUTANONE	NA	NA	56 UL	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	6 UL	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	6 UL	NA	NA	NA
2-HEXANONE	NA	NA	56 UL	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	6 UL	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	6 UL	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	56 UL	NA	NA	NA
ACETONE	NA	NA	56 UL	NA	NA	NA
BENZENE	NA	NA	6 UL	NA	NA	NA
BROMOBENZENE	NA	NA	6 UL	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	6 UL	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	6 UL	NA	NA	NA
BROMOFORM	NA	NA	6 UL	NA	NA	NA
BROMOMETHANE	NA	NA	6 UL	NA	NA	NA
CARBON DISULFIDE	NA	NA	6 UL	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	6 UL	NA	NA	NA
CHLOROBENZENE	NA	NA	6 UL	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	6 UL	NA	NA	NA
CHLOROETHANE	NA	NA	6 UL	NA	NA	NA
CHLOROFORM	NA	NA	6 UL	NA	NA	NA
CHLOROMETHANE	NA	NA	6 UL	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	6 UL	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	6 UL	NA	NA	NA
DIBROMOMETHANE	NA	NA	6 UL	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	6 UL	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	6 UL	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060B	SB-060C
SAMPLE ID	D-SB-60RE-1	D-SB-60RE-2	SB-60-SS	D-SB-60REA-1	D-SB-60REB-1	D-SB-60REC-1
SAMPLE DATE	20090915	20090915	20040924	20091012	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	1	1	1
BOTTOM DEPTH	1	2	0	1	1	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	6 UL	NA	NA	NA
M+P-XYLENES	NA	NA	11 UL	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	6 UL	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	6 UL	NA	NA	NA
NAPHTHALENE	NA	NA	6 UL	NA	NA	NA
N-BUTYLBENZENE	NA	NA	6 UL	NA	NA	NA
N-PROPYLBENZENE	NA	NA	6 UL	NA	NA	NA
O-XYLENE	NA	NA	6 UL	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	6 UL	NA	NA	NA
STYRENE	NA	NA	6 UL	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	6 UL	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	6 UL	NA	NA	NA
TOLUENE	NA	NA	6 UL	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	6 UL	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	6 UL	NA	NA	NA
TRICHLOROETHENE	NA	NA	6 UL	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	6 UL	NA	NA	NA
VINYL ACETATE	NA	NA	6 UL	NA	NA	NA
VINYL CHLORIDE	NA	NA	6 UL	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	3800 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	3800 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	9400 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	3800 U	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	3800 U	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	3800 U	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	9400 U	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	3800 U	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	3800 U	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	3800 U	NA	NA	NA
2-CHLOROPHENOL	NA	NA	3800 U	NA	NA	NA
2-METHYLPHENOL	NA	NA	3800 U	NA	NA	NA
2-NITROANILINE	NA	NA	9400 U	NA	NA	NA
2-NITROPHENOL	NA	NA	3800 U	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	3800 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	3800 U	NA	NA	NA
3-NITROANILINE	NA	NA	9400 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	8700 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	3800 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	3800 U	NA	NA	NA
4-CHLOROANILINE	NA	NA	3800 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	3800 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	9400 U	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060B	SB-060C
SAMPLE ID	D-SB-60RE-1	D-SB-60RE-2	SB-60-SS	D-SB-60REA-1	D-SB-60REB-1	D-SB-60REC-1
SAMPLE DATE	20090915	20090915	20040924	20091012	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	1	1	1
BOTTOM DEPTH	1	2	0	1	1	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	9400 U	NA	NA	NA
ACETOPHENONE	NA	NA	3800 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	3800 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	3800 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	3800 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	3800 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	3800 U	NA	NA	NA
CAPROLACTAM	NA	NA	3800 U	NA	NA	NA
CARBAZOLE	NA	NA	3800 U	NA	NA	NA
DIBENZOFURAN	NA	NA	3800 U	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	3800 U	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	3800 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	3800 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	3800 U	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	3800 U	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	3800 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	3800 U	NA	NA	NA
HEXACHLOROETHANE	NA	NA	3800 U	NA	NA	NA
ISOPHORONE	NA	NA	3800 U	NA	NA	NA
NITROBENZENE	NA	NA	3800 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	3800 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	3800 U	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	9400 U	NA	NA	NA
PHENOL	NA	NA	3800 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	3800 U	NA	NA	NA
ACENAPHTHENE	NA	NA	3800 U	NA	NA	NA
ACENAPHTHYLENE	NA	NA	3800 U	NA	NA	NA
ANTHRACENE	NA	NA	3800 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22517	46.1	4243	17997	23.7	646
BAP EQUIVALENT-POS	22517	45.3	43.7	17997	22.9	646
BENZO(A)ANTHRACENE	23000	42	430 J	15000	16	490
BENZO(A)PYRENE	16000	35	3800 U	13000	18	450
BENZO(B)FLUORANTHENE	16000	42	3800 U	12000	20	560
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	3800 U	NA	NA	NA
BENZO(K)FLUORANTHENE	6300	20	3800 U	4300	9.5	210
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060B	SB-060C
SAMPLE ID	D-SB-60RE-1	D-SB-60RE-2	SB-60-SS	D-SB-60REA-1	D-SB-60REB-1	D-SB-60REC-1
SAMPLE DATE	20090915	20090915	20040924	20091012	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	1	1	1
BOTTOM DEPTH	1	2	0	1	1	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	24000	43	650 J	14000	18	440
DIBENZO(A,H)ANTHRACENE	1900	1.5 U	3800 U	1700	1.6 U	66
FLUORANTHENE	NA	NA	980 J	NA	NA	NA
FLUORENE	NA	NA	3800 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	6300	17	3800 U	5400	12	220
NAPHTHALENE	NA	NA	3800 U	NA	NA	NA
PHENANTHRENE	NA	NA	610 J	NA	NA	NA
PYRENE	NA	NA	1800 J	NA	NA	NA
TOTAL PAHS	93500	199	4470	65400	93.5	2436
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	280 U	NA	NA	NA
AROCLOR-1221	NA	NA	280 U	NA	NA	NA
AROCLOR-1232	NA	NA	280 U	NA	NA	NA
AROCLOR-1242	NA	NA	280 U	NA	NA	NA
AROCLOR-1248	NA	NA	280 U	NA	NA	NA
AROCLOR-1254	NA	NA	280 U	NA	NA	NA
AROCLOR-1260	NA	NA	280 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	2.7 UL	NA	NA	NA
ARSENIC	NA	NA	0.62 K	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060B	SB-060C
SAMPLE ID	D-SB-60RE-1	D-SB-60RE-2	SB-60-SS	D-SB-60REA-1	D-SB-60REB-1	D-SB-60REC-1
SAMPLE DATE	20090915	20090915	20040924	20091012	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	1	1	1
BOTTOM DEPTH	1	2	0	1	1	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	2.7 U	NA	NA	NA
CADMIUM	NA	NA	2.7 U	NA	NA	NA
CHROMIUM	NA	NA	13 J	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	20 J	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	22 K	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	0.11 U	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	16 K	NA	NA	NA
SELENIUM	NA	NA	2.7 U	NA	NA	NA
SILVER	NA	NA	2.7 UR	NA	NA	NA
THALLIUM	NA	NA	2.2 U	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	29 L	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	660000 K	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	590	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-1	D-SB-61RE-1	D-SB-61RE-2	D-SB-61RE-2-AVG	D-SB-61RE-2-D	SB-61-SS
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20040924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	2	2	2	0
BOTTOM DEPTH	1	1	2	2	2	0
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	6 UL
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 UL
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 UL
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	6 UL
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 UL
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
2-BUTANONE	NA	NA	NA	NA	NA	62 UL
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	6 UL
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 UL
2-HEXANONE	NA	NA	NA	NA	NA	62 UL
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 UL
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	6 UL
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	62 UL
ACETONE	NA	NA	NA	NA	NA	62 UL
BENZENE	NA	NA	NA	NA	NA	6 UL
BROMOBENZENE	NA	NA	NA	NA	NA	6 UL
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	6 UL
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	6 UL
BROMOFORM	NA	NA	NA	NA	NA	6 UL
BROMOMETHANE	NA	NA	NA	NA	NA	6 UL
CARBON DISULFIDE	NA	NA	NA	NA	NA	6 UL
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	6 UL
CHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	6 UL
CHLOROETHANE	NA	NA	NA	NA	NA	6 UL
CHLOROFORM	NA	NA	NA	NA	NA	6 UL
CHLOROMETHANE	NA	NA	NA	NA	NA	6 UL
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 UL
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 UL
DIBROMOMETHANE	NA	NA	NA	NA	NA	6 UL
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	6 UL
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	6 UL
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-1	D-SB-61RE-1	D-SB-61RE-2	D-SB-61RE-2-AVG	D-SB-61RE-2-D	SB-61-SS
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20040924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	2	2	2	0
BOTTOM DEPTH	1	1	2	2	2	0
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	6 UL
M+P-XYLENES	NA	NA	NA	NA	NA	12 UL
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	6 UL
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	6 UL
NAPHTHALENE	NA	NA	NA	NA	NA	6 UL
N-BUTYLBENZENE	NA	NA	NA	NA	NA	6 UL
N-PROPYLBENZENE	NA	NA	NA	NA	NA	6 UL
O-XYLENE	NA	NA	NA	NA	NA	6 UL
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	6 UL
STYRENE	NA	NA	NA	NA	NA	6 UL
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	6 UL
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	6 UL
TOLUENE	NA	NA	NA	NA	NA	6 UL
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 UL
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 UL
TRICHLOROETHENE	NA	NA	NA	NA	NA	6 UL
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	6 UL
VINYL ACETATE	NA	NA	NA	NA	NA	6 UL
VINYL CHLORIDE	NA	NA	NA	NA	NA	6 UL
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	4200 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	4200 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	11000 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	4200 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	4200 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	4200 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	11000 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	4200 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	4200 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	4200 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	4200 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	4200 U
2-NITROANILINE	NA	NA	NA	NA	NA	11000 U
2-NITROPHENOL	NA	NA	NA	NA	NA	4200 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	4200 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	4200 U
3-NITROANILINE	NA	NA	NA	NA	NA	11000 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	9700 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	4200 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	4200 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	4200 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	4200 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	11000 U

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-1	D-SB-61RE-1	D-SB-61RE-2	D-SB-61RE-2-AVG	D-SB-61RE-2-D	SB-61-SS
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20040924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	2	2	2	0
BOTTOM DEPTH	1	1	2	2	2	0
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	11000 U
ACETOPHENONE	NA	NA	NA	NA	NA	4200 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	4200 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	4200 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	4200 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	4200 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	4200 U
CAPROLACTAM	NA	NA	NA	NA	NA	4200 U
CARBAZOLE	NA	NA	NA	NA	NA	4200 U
DIBENZOFURAN	NA	NA	NA	NA	NA	4200 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	4200 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	4200 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	4200 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	4200 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	4200 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	4200 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	4200 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	4200 U
ISOPHORONE	NA	NA	NA	NA	NA	4200 U
NITROBENZENE	NA	NA	NA	NA	NA	4200 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	4200 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	4200 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	11000 U
PHENOL	NA	NA	NA	NA	NA	4200 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	4200 U
ACENAPHTHENE	NA	NA	NA	NA	NA	4200 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	4200 U
ANTHRACENE	NA	NA	NA	NA	NA	4200 U
BAP EQUIVALENT-HALFND	9774	17.3	1.6 U	5.91	11.0	4200 U
BAP EQUIVALENT-POS	9774	16.5	1.6 U	5.46	10.1	4200 U
BENZO(A)ANTHRACENE	8600	1.1 U	1.1 U	1.1 U	1.1 U	4200 U
BENZO(A)PYRENE	6900	13	1.6 UJ	5	9.2 J	4200 U
BENZO(B)FLUORANTHENE	7200	14	1.5 UJ	4.925	9.1 J	4200 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	4200 U
BENZO(K)FLUORANTHENE	2600	2 U	2.1 U	2.05 U	2 U	4200 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-1	D-SB-61RE-1	D-SB-61RE-2	D-SB-61RE-2-AVG	D-SB-61RE-2-D	SB-61-SS
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20040924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	2	2	2	0
BOTTOM DEPTH	1	1	2	2	2	0
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	8400	1.1 U	1.1 U	1.05 U	1 U	4200 U
DIBENZO(A,H)ANTHRACENE	940	1.5 U	1.6 U	1.55 U	1.5 U	4200 U
FLUORANTHENE	NA	NA	NA	NA	NA	4200 U
FLUORENE	NA	NA	NA	NA	NA	4200 U
INDENO(1,2,3-CD)PYRENE	3200	21	1.8 U	1.75 U	1.7 U	4200 U
NAPHTHALENE	NA	NA	NA	NA	NA	4200 U
PHENANTHRENE	NA	NA	NA	NA	NA	4200 U
PYRENE	NA	NA	NA	NA	NA	510 J
TOTAL PAHS	37840	48	0 U	9.15	18.3	510
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	310 U
AROCLOR-1221	NA	NA	NA	NA	NA	310 U
AROCLOR-1232	NA	NA	NA	NA	NA	310 U
AROCLOR-1242	NA	NA	NA	NA	NA	310 U
AROCLOR-1248	NA	NA	NA	NA	NA	310 U
AROCLOR-1254	NA	NA	NA	NA	NA	310 U
AROCLOR-1260	NA	NA	NA	NA	NA	310 U
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	2.8 UL
ARSENIC	NA	NA	NA	NA	NA	0.56 U
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-1	D-SB-61RE-1	D-SB-61RE-2	D-SB-61RE-2-AVG	D-SB-61RE-2-D	SB-61-SS
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20040924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	2	2	2	0
BOTTOM DEPTH	1	1	2	2	2	0
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	2.8 U
CADMIUM	NA	NA	NA	NA	NA	2.8 U
CHROMIUM	NA	NA	NA	NA	NA	18 J
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	7.5 J
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	23 K
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	0.11 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	8.1 K
SELENIUM	NA	NA	NA	NA	NA	2.8 U
SILVER	NA	NA	NA	NA	NA	2.8 UR
THALLIUM	NA	NA	NA	NA	NA	2.2 U
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	38 L
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	16000
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	400
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061B	SB-061C	SB-061D	SB-062	SB-062
SAMPLE ID	D-SB-61REA-1	D-SB-61REB-1	D-SB-61REC-1	D-SB-61RED-1	D-SB-62RE-1	D-SB-62RE-2
SAMPLE DATE	20091012	20091012	20091012	20091012	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	2
BOTTOM DEPTH	1	1	1	1	1	2
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061B	SB-061C	SB-061D	SB-062	SB-062
SAMPLE ID	D-SB-61REA-1	D-SB-61REB-1	D-SB-61REC-1	D-SB-61RED-1	D-SB-62RE-1	D-SB-62RE-2
SAMPLE DATE	20091012	20091012	20091012	20091012	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	2
BOTTOM DEPTH	1	1	1	1	1	2
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

LOCATION	SB-061A	SB-061B	SB-061C	SB-061D	SB-062	SB-062
SAMPLE ID	D-SB-61REA-1	D-SB-61REB-1	D-SB-61REC-1	D-SB-61RED-1	D-SB-62RE-1	D-SB-62RE-2
SAMPLE DATE	20091012	20091012	20091012	20091012	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	2
BOTTOM DEPTH	1	1	1	1	1	2
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	153	23.0	386	81.5	6418	1065
BAP EQUIVALENT-POS	153	22.2	386	81.5	6410	1065
BENZO(A)ANTHRACENE	110	8.3	240	59	2900	850
BENZO(A)PYRENE	110	18	270	54	5200	730
BENZO(B)FLUORANTHENE	130	22	350	70	5500	880
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	55	2 U	110	26	2600	380
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-061A	SB-061B	SB-061C	SB-061D	SB-062	SB-062
SAMPLE ID	D-SB-61REA-1	D-SB-61REB-1	D-SB-61REC-1	D-SB-61RED-1	D-SB-62RE-1	D-SB-62RE-2
SAMPLE DATE	20091012	20091012	20091012	20091012	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	2
BOTTOM DEPTH	1	1	1	1	1	2
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	110	13	270	64	3500	730
DIBENZO(A,H)ANTHRACENE	13	1.5 U	40	11	16 U	120
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	52	12	160	33	3400	370
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	580	73.3	1440	317	23100	4060
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061B	SB-061C	SB-061D	SB-062	SB-062
SAMPLE ID	D-SB-61REA-1	D-SB-61REB-1	D-SB-61REC-1	D-SB-61RED-1	D-SB-62RE-1	D-SB-62RE-2
SAMPLE DATE	20091012	20091012	20091012	20091012	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	2
BOTTOM DEPTH	1	1	1	1	1	2
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062A	SB-062B	SB-062C	SB-062D	SB-063
SAMPLE ID	SB-62-SS	D-SB-62REA-1	D-SB-62REB-1	D-SB-62REC-1	D-SB-62RED-1	D-SB-63RE-1
SAMPLE DATE	20040923	20091015	20091015	20091015	20091014	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1
BOTTOM DEPTH	0	1	1	1	1	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
2-BUTANONE	55 U	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	6 U	NA	NA	NA	NA	NA
2-HEXANONE	55 U	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	6 U	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	55 U	NA	NA	NA	NA	NA
ACETONE	55 U	NA	NA	NA	NA	NA
BENZENE	6 U	NA	NA	NA	NA	NA
BROMOBENZENE	6 U	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 U	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 U	NA	NA	NA	NA	NA
BROMOFORM	6 U	NA	NA	NA	NA	NA
BROMOMETHANE	6 U	NA	NA	NA	NA	NA
CARBON DISULFIDE	6 U	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 U	NA	NA	NA	NA	NA
CHLOROBENZENE	6 U	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	NA	NA	NA	NA	NA
CHLOROETHANE	6 U	NA	NA	NA	NA	NA
CHLOROFORM	6 U	NA	NA	NA	NA	NA
CHLOROMETHANE	6 U	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
DIBROMOMETHANE	6 U	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062A	SB-062B	SB-062C	SB-062D	SB-063
SAMPLE ID	SB-62-SS	D-SB-62REA-1	D-SB-62REB-1	D-SB-62REC-1	D-SB-62RED-1	D-SB-63RE-1
SAMPLE DATE	20040923	20091015	20091015	20091015	20091014	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1
BOTTOM DEPTH	0	1	1	1	1	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	NA	NA	NA	NA	NA
M+P-XYLENES	11 U	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	8 J	NA	NA	NA	NA	NA
NAPHTHALENE	6 U	NA	NA	NA	NA	NA
N-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
N-PROPYLBENZENE	6 U	NA	NA	NA	NA	NA
O-XYLENE	6 U	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
STYRENE	6 U	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	NA	NA	NA	NA	NA
TOLUENE	6 U	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
TRICHLOROETHENE	6 U	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	NA	NA	NA	NA	NA
VINYL ACETATE	6 U	NA	NA	NA	NA	NA
VINYL CHLORIDE	6 U	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	3700 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	3700 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	9300 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	3700 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	3700 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	3700 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	9300 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	3700 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	3700 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	3700 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	3700 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	3700 U	NA	NA	NA	NA	NA
2-NITROANILINE	9300 U	NA	NA	NA	NA	NA
2-NITROPHENOL	3700 U	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	3700 U	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	3700 U	NA	NA	NA	NA	NA
3-NITROANILINE	9300 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	8600 U	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	3700 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	3700 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	3700 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	3700 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	9300 U	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062A	SB-062B	SB-062C	SB-062D	SB-063
SAMPLE ID	SB-62-SS	D-SB-62REA-1	D-SB-62REB-1	D-SB-62REC-1	D-SB-62RED-1	D-SB-63RE-1
SAMPLE DATE	20040923	20091015	20091015	20091015	20091014	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1
BOTTOM DEPTH	0	1	1	1	1	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	9300 U	NA	NA	NA	NA	NA
ACETOPHENONE	3700 U	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	3700 U	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	3700 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	3700 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	3700 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	3700 U	NA	NA	NA	NA	NA
CAPROLACTAM	3700 U	NA	NA	NA	NA	NA
CARBAZOLE	3700 U	NA	NA	NA	NA	NA
DIBENZOFURAN	3700 U	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	3700 U	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	3700 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	3700 U	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	3700 U	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	3700 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	3700 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	3700 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	3700 U	NA	NA	NA	NA	NA
ISOPHORONE	3700 U	NA	NA	NA	NA	NA
NITROBENZENE	3700 U	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	3700 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	3700 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	9300 U	NA	NA	NA	NA	NA
PHENOL	3700 U	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3700 U	NA	NA	NA	NA	NA
ACENAPHTHENE	3700 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	950 J	NA	NA	NA	NA	NA
ANTHRACENE	3700 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	7569	44.9	548	2595	16660	138
BAP EQUIVALENT-POS	7569	44.1	546	2578	16660	138
BENZO(A)ANTHRACENE	2300 J	28	330	1300	8100	70
BENZO(A)PYRENE	5200	35	440	2100	12000	99
BENZO(B)FLUORANTHENE	3000 J	39	430	2000	11000	110
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	5400	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	4600	13	160	650	4100	41
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-062	SB-062A	SB-062B	SB-062C	SB-062D	SB-063
SAMPLE ID	SB-62-SS	D-SB-62REA-1	D-SB-62REB-1	D-SB-62REC-1	D-SB-62RED-1	D-SB-63RE-1
SAMPLE DATE	20040923	20091015	20091015	20091015	20091014	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1
BOTTOM DEPTH	0	1	1	1	1	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	3400 J	15	330	1000	9300	84
DIBENZO(A,H)ANTHRACENE	1400 J	1.5 U	3.6 U	35 U	2000	15
FLUORANTHENE	2100 J	NA	NA	NA	NA	NA
FLUORENE	3700 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	3900	23	280	1400	7000	55
NAPHTHALENE	3700 U	NA	NA	NA	NA	NA
PHENANTHRENE	410 J	NA	NA	NA	NA	NA
PYRENE	6200	NA	NA	NA	NA	NA
TOTAL PAHS	38860	153	1970	8450	53500	474
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	270 U	NA	NA	NA	NA	NA
AROCLOR-1221	270 U	NA	NA	NA	NA	NA
AROCLOR-1232	270 U	NA	NA	NA	NA	NA
AROCLOR-1242	270 U	NA	NA	NA	NA	NA
AROCLOR-1248	270 U	NA	NA	NA	NA	NA
AROCLOR-1254	270 U	NA	NA	NA	NA	NA
AROCLOR-1260	270 U	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	2.5 UL	NA	NA	NA	NA	NA
ARSENIC	0.62	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-062	SB-062A	SB-062B	SB-062C	SB-062D	SB-063
SAMPLE ID	SB-62-SS	D-SB-62REA-1	D-SB-62REB-1	D-SB-62REC-1	D-SB-62RED-1	D-SB-63RE-1
SAMPLE DATE	20040923	20091015	20091015	20091015	20091014	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1
BOTTOM DEPTH	0	1	1	1	1	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	2.5 U	NA	NA	NA	NA	NA
CADMIUM	2.5 U	NA	NA	NA	NA	NA
CHROMIUM	13 J	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	4.1	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	23	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.1 U	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	10	NA	NA	NA	NA	NA
SELENIUM	3.5	NA	NA	NA	NA	NA
SILVER	2.5 UR	NA	NA	NA	NA	NA
THALLIUM	2 U	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	34 J	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	12000	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	110 U	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063A	SB-063B
SAMPLE ID	D-SB-63RE-2	D-SB-63RE-2-AVG	D-SB-63RE-2-D	SB-63-SS	D-SB-63REA-2	D-SB-63REB-2
SAMPLE DATE	20090915	20090915	20090915	20040924	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	2	2	0	2	2
BOTTOM DEPTH	2	2	2	0	2	2
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	7 UL	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	7 UL	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	7 UL	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	7 UL	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	7 UL	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	7 UL	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	7 UL	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	7 UL	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	7 UL	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	7 UL	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	7 UL	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	7 UL	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	7 UL	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	7 UL	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	7 UL	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	7 UL	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	7 UL	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	7 UL	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	7 UL	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	7 UL	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	7 UL	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	7 UL	NA	NA
2-BUTANONE	NA	NA	NA	72 UL	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	7 UL	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	7 UL	NA	NA
2-HEXANONE	NA	NA	NA	72 UL	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	7 UL	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	7 UL	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	72 UL	NA	NA
ACETONE	NA	NA	NA	72 UL	NA	NA
BENZENE	NA	NA	NA	7 UL	NA	NA
BROMOBENZENE	NA	NA	NA	7 UL	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	7 UL	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	7 UL	NA	NA
BROMOFORM	NA	NA	NA	7 UL	NA	NA
BROMOMETHANE	NA	NA	NA	7 UL	NA	NA
CARBON DISULFIDE	NA	NA	NA	7 UL	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	7 UL	NA	NA
CHLOROBENZENE	NA	NA	NA	7 UL	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	7 UL	NA	NA
CHLOROETHANE	NA	NA	NA	7 UL	NA	NA
CHLOROFORM	NA	NA	NA	7 UL	NA	NA
CHLOROMETHANE	NA	NA	NA	7 UL	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	7 UL	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	7 UL	NA	NA
DIBROMOMETHANE	NA	NA	NA	7 UL	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	7 UL	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	7 UL	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063A	SB-063B
SAMPLE ID	D-SB-63RE-2	D-SB-63RE-2-AVG	D-SB-63RE-2-D	SB-63-SS	D-SB-63REA-2	D-SB-63REB-2
SAMPLE DATE	20090915	20090915	20090915	20040924	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	2	2	0	2	2
BOTTOM DEPTH	2	2	2	0	2	2
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	7 UL	NA	NA
M+P-XYLENES	NA	NA	NA	14 UL	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	7 UL	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	7 UL	NA	NA
NAPHTHALENE	NA	NA	NA	7 UL	NA	NA
N-BUTYLBENZENE	NA	NA	NA	7 UL	NA	NA
N-PROPYLBENZENE	NA	NA	NA	7 UL	NA	NA
O-XYLENE	NA	NA	NA	7 UL	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	7 UL	NA	NA
STYRENE	NA	NA	NA	7 UL	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	7 UL	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	7 UL	NA	NA
TOLUENE	NA	NA	NA	7 UL	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	7 UL	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	7 UL	NA	NA
TRICHLOROETHENE	NA	NA	NA	7 UL	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	7 UL	NA	NA
VINYL ACETATE	NA	NA	NA	7 UL	NA	NA
VINYL CHLORIDE	NA	NA	NA	7 UL	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	4800 U	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	4800 U	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	12000 U	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	4800 U	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	4800 U	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	4800 U	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	12000 U	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	4800 U	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	4800 U	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	4800 U	NA	NA
2-CHLOROPHENOL	NA	NA	NA	4800 U	NA	NA
2-METHYLPHENOL	NA	NA	NA	4800 U	NA	NA
2-NITROANILINE	NA	NA	NA	12000 U	NA	NA
2-NITROPHENOL	NA	NA	NA	4800 U	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	4800 U	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	4800 U	NA	NA
3-NITROANILINE	NA	NA	NA	12000 U	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	11000 U	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	4800 U	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	4800 U	NA	NA
4-CHLOROANILINE	NA	NA	NA	4800 U	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	4800 U	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	12000 U	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063A	SB-063B
SAMPLE ID	D-SB-63RE-2	D-SB-63RE-2-AVG	D-SB-63RE-2-D	SB-63-SS	D-SB-63REA-2	D-SB-63REB-2
SAMPLE DATE	20090915	20090915	20090915	20040924	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	2	2	0	2	2
BOTTOM DEPTH	2	2	2	0	2	2
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	12000 U	NA	NA
ACETOPHENONE	NA	NA	NA	4800 U	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	4800 U	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	4800 U	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	4800 U	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	4800 U	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	4800 U	NA	NA
CAPROLACTAM	NA	NA	NA	4800 U	NA	NA
CARBAZOLE	NA	NA	NA	4800 U	NA	NA
DIBENZOFURAN	NA	NA	NA	4800 U	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	4800 U	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	4800 U	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	4800 U	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	4800 U	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	4800 U	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	4800 U	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	4800 U	NA	NA
HEXACHLOROETHANE	NA	NA	NA	4800 U	NA	NA
ISOPHORONE	NA	NA	NA	4800 U	NA	NA
NITROBENZENE	NA	NA	NA	4800 U	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	4800 U	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	4800 U	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	12000 U	NA	NA
PHENOL	NA	NA	NA	4800 U	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	4800 U	NA	NA
ACENAPHTHENE	NA	NA	NA	4800 U	NA	NA
ACENAPHTHYLENE	NA	NA	NA	4800 U	NA	NA
ANTHRACENE	NA	NA	NA	4800 U	NA	NA
BAP EQUIVALENT-HALFND	106	66.7	27.2	5545	17.4	1.5 U
BAP EQUIVALENT-POS	106	66.3	26.4	0.53	16.6	1.5 U
BENZO(A)ANTHRACENE	54 J	35.5	17 J	4800 U	17	1.1 U
BENZO(A)PYRENE	76 J	48.5	21 J	4800 U	13	1.5 U
BENZO(B)FLUORANTHENE	85 J	54.5	24 J	4800 U	18	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	4800 U	NA	NA
BENZO(K)FLUORANTHENE	30 J	19.45	8.9 J	4800 U	8.2	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063A	SB-063B
SAMPLE ID	D-SB-63RE-2	D-SB-63RE-2-AVG	D-SB-63RE-2-D	SB-63-SS	D-SB-63REA-2	D-SB-63REB-2
SAMPLE DATE	20090915	20090915	20090915	20040924	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	2	2	0	2	2
BOTTOM DEPTH	2	2	2	0	2	2
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	72 J	46	20 J	530 J	17	1.1 U
DIBENZO(A,H)ANTHRACENE	12 J	6.375	1.5 UJ	4800 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	4800 U	NA	NA
FLUORENE	NA	NA	NA	4800 U	NA	NA
INDENO(1,2,3-CD)PYRENE	40 J	26	12 J	4800 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	4800 U	NA	NA
PHENANTHRENE	NA	NA	NA	4800 U	NA	NA
PYRENE	NA	NA	NA	740 J	NA	NA
TOTAL PAHS	369	235.95	102.9	1270	73.2	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	350 U	NA	NA
AROCLOR-1221	NA	NA	NA	350 U	NA	NA
AROCLOR-1232	NA	NA	NA	350 U	NA	NA
AROCLOR-1242	NA	NA	NA	350 U	NA	NA
AROCLOR-1248	NA	NA	NA	350 U	NA	NA
AROCLOR-1254	NA	NA	NA	350 U	NA	NA
AROCLOR-1260	NA	NA	NA	350 U	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	0 U	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	3.3 UL	NA	NA
ARSENIC	NA	NA	NA	0.94 K	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063A	SB-063B
SAMPLE ID	D-SB-63RE-2	D-SB-63RE-2-AVG	D-SB-63RE-2-D	SB-63-SS	D-SB-63REA-2	D-SB-63REB-2
SAMPLE DATE	20090915	20090915	20090915	20040924	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	2	2	0	2	2
BOTTOM DEPTH	2	2	2	0	2	2
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	3.5	NA	NA
CADMIUM	NA	NA	NA	3.3 U	NA	NA
CHROMIUM	NA	NA	NA	25 J	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	12 J	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	36 K	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	0.13 U	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	13 K	NA	NA
SELENIUM	NA	NA	NA	3.3 U	NA	NA
SILVER	NA	NA	NA	3.3 UR	NA	NA
THALLIUM	NA	NA	NA	2.6 U	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	71 L	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	110000	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	140 U	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-063C	SB-063D	SB-064	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-63REC-2	D-SB-63RED-2	SB-64-SS	D-SB-65RE-1	D-SB-65RE-2	SB-65-SS
SAMPLE DATE	20091013	20091013	20040924	20090916	20090916	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS
TOP DEPTH	2	2	0	1	2	0
BOTTOM DEPTH	2	2	0	1	2	0
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	6 UL	NA	NA	5 U
1,1,1-TRICHLOROETHANE	NA	NA	6 UL	NA	NA	5 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	6 UL	NA	NA	5 U
1,1,2-TRICHLOROETHANE	NA	NA	6 UL	NA	NA	5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	6 UL	NA	NA	5 U
1,1-DICHLOROETHANE	NA	NA	6 UL	NA	NA	5 U
1,1-DICHLOROETHENE	NA	NA	6 UL	NA	NA	5 U
1,1-DICHLOROPROPENE	NA	NA	6 UL	NA	NA	5 U
1,2,3-TRICHLOROBENZENE	NA	NA	6 UL	NA	NA	5 U
1,2,3-TRICHLOROPROPANE	NA	NA	6 UL	NA	NA	5 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	6 UL	NA	NA	5 U
1,2,4-TRIMETHYLBENZENE	NA	NA	6 UL	NA	NA	5 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	6 UL	NA	NA	5 U
1,2-DIBROMOETHANE	NA	NA	6 UL	NA	NA	5 U
1,2-DICHLOROBENZENE	NA	NA	6 UL	NA	NA	5 U
1,2-DICHLOROETHANE	NA	NA	6 UL	NA	NA	5 U
1,2-DICHLOROPROPANE	NA	NA	6 UL	NA	NA	5 U
1,3,5-TRIMETHYLBENZENE	NA	NA	6 UL	NA	NA	5 U
1,3-DICHLOROBENZENE	NA	NA	6 UL	NA	NA	5 U
1,3-DICHLOROPROPANE	NA	NA	6 UL	NA	NA	5 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	6 UL	NA	NA	5 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	6 UL	NA	NA	5 U
2-BUTANONE	NA	NA	65 UL	NA	NA	53 U
2-CHLOROETHYL VINYL ETHER	NA	NA	6 UL	NA	NA	5 U
2-CHLOROTOLUENE	NA	NA	6 UL	NA	NA	5 U
2-HEXANONE	NA	NA	65 UL	NA	NA	53 U
4-CHLOROTOLUENE	NA	NA	6 UL	NA	NA	5 U
4-ISOPROPYLTOLUENE	NA	NA	6 UL	NA	NA	5 U
4-METHYL-2-PENTANONE	NA	NA	65 UL	NA	NA	53 U
ACETONE	NA	NA	65 UL	NA	NA	53 U
BENZENE	NA	NA	6 UL	NA	NA	5 U
BROMOBENZENE	NA	NA	6 UL	NA	NA	5 U
BROMOCHLOROMETHANE	NA	NA	6 UL	NA	NA	5 U
BROMODICHLOROMETHANE	NA	NA	6 UL	NA	NA	5 U
BROMOFORM	NA	NA	6 UL	NA	NA	5 U
BROMOMETHANE	NA	NA	6 UL	NA	NA	5 U
CARBON DISULFIDE	NA	NA	6 UL	NA	NA	5 U
CARBON TETRACHLORIDE	NA	NA	6 UL	NA	NA	5 U
CHLOROBENZENE	NA	NA	6 UL	NA	NA	5 U
CHLORODIBROMOMETHANE	NA	NA	6 UL	NA	NA	5 U
CHLOROETHANE	NA	NA	6 UL	NA	NA	5 U
CHLOROFORM	NA	NA	6 UL	NA	NA	5 U
CHLOROMETHANE	NA	NA	6 UL	NA	NA	5 U
CIS-1,2-DICHLOROETHENE	NA	NA	6 UL	NA	NA	5 U
CIS-1,3-DICHLOROPROPENE	NA	NA	6 UL	NA	NA	5 U
DIBROMOMETHANE	NA	NA	6 UL	NA	NA	5 U
DICHLORODIFLUOROMETHANE	NA	NA	6 UL	NA	NA	5 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	6 UL	NA	NA	5 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063C	SB-063D	SB-064	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-63REC-2	D-SB-63RED-2	SB-64-SS	D-SB-65RE-1	D-SB-65RE-2	SB-65-SS
SAMPLE DATE	20091013	20091013	20040924	20090916	20090916	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS
TOP DEPTH	2	2	0	1	2	0
BOTTOM DEPTH	2	2	0	1	2	0
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	6 UL	NA	NA	5 U
M+P-XYLENES	NA	NA	13 UL	NA	NA	11 U
METHYL TERT-BUTYL ETHER	NA	NA	6 UL	NA	NA	5 U
METHYLENE CHLORIDE	NA	NA	6 UL	NA	NA	7 J
NAPHTHALENE	NA	NA	6 UL	NA	NA	5 U
N-BUTYLBENZENE	NA	NA	6 UL	NA	NA	5 U
N-PROPYLBENZENE	NA	NA	6 UL	NA	NA	5 U
O-XYLENE	NA	NA	6 UL	NA	NA	5 U
SEC-BUTYLBENZENE	NA	NA	6 UL	NA	NA	5 U
STYRENE	NA	NA	6 UL	NA	NA	5 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	6 UL	NA	NA	5 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	6 UL	NA	NA	5 U
TOLUENE	NA	NA	6 UL	NA	NA	5 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	6 UL	NA	NA	5 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	6 UL	NA	NA	5 U
TRICHLOROETHENE	NA	NA	6 UL	NA	NA	5 U
TRICHLOROFLUOROMETHANE	NA	NA	6 UL	NA	NA	5 U
VINYL ACETATE	NA	NA	6 UL	NA	NA	5 U
VINYL CHLORIDE	NA	NA	6 UL	NA	NA	5 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	4400 U	NA	NA	3600 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	4400 U	NA	NA	3600 U
2,4,5-TRICHLOROPHENOL	NA	NA	11000 U	NA	NA	9000 U
2,4,6-TRICHLOROPHENOL	NA	NA	4400 U	NA	NA	3600 U
2,4-DICHLOROPHENOL	NA	NA	4400 U	NA	NA	3600 U
2,4-DIMETHYLPHENOL	NA	NA	4400 U	NA	NA	3600 U
2,4-DINITROPHENOL	NA	NA	11000 U	NA	NA	9000 U
2,4-DINITROTOLUENE	NA	NA	4400 U	NA	NA	3600 U
2,6-DINITROTOLUENE	NA	NA	4400 U	NA	NA	3600 U
2-CHLORONAPHTHALENE	NA	NA	4400 U	NA	NA	3600 U
2-CHLOROPHENOL	NA	NA	4400 U	NA	NA	3600 U
2-METHYLPHENOL	NA	NA	4400 U	NA	NA	3600 U
2-NITROANILINE	NA	NA	11000 U	NA	NA	9000 U
2-NITROPHENOL	NA	NA	4400 U	NA	NA	3600 U
3&4-METHYLPHENOL	NA	NA	4400 U	NA	NA	3600 U
3,3'-DICHLOROBENZIDINE	NA	NA	4400 U	NA	NA	3600 U
3-NITROANILINE	NA	NA	11000 U	NA	NA	9000 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	10000 U	NA	NA	8300 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	4400 U	NA	NA	3600 U
4-CHLORO-3-METHYLPHENOL	NA	NA	4400 U	NA	NA	3600 U
4-CHLOROANILINE	NA	NA	4400 U	NA	NA	3600 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	4400 U	NA	NA	3600 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	11000 U	NA	NA	9000 U

LOCATION	SB-063C	SB-063D	SB-064	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-63REC-2	D-SB-63RED-2	SB-64-SS	D-SB-65RE-1	D-SB-65RE-2	SB-65-SS
SAMPLE DATE	20091013	20091013	20040924	20090916	20090916	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS
TOP DEPTH	2	2	0	1	2	0
BOTTOM DEPTH	2	2	0	1	2	0
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	11000 U	NA	NA	9000 U
ACETOPHENONE	NA	NA	4400 U	NA	NA	3600 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	4400 U	NA	NA	3600 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	4400 U	NA	NA	3600 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	4400 U	NA	NA	3600 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	4400 U	NA	NA	3600 U
BUTYL BENZYL PHTHALATE	NA	NA	4400 U	NA	NA	3600 U
CAPROLACTAM	NA	NA	4400 U	NA	NA	3600 U
CARBAZOLE	NA	NA	4400 U	NA	NA	3600 U
DIBENZOFURAN	NA	NA	4400 U	NA	NA	3600 U
DIETHYL PHTHALATE	NA	NA	4400 U	NA	NA	3600 U
DIMETHYL PHTHALATE	NA	NA	4400 U	NA	NA	3600 U
DI-N-BUTYL PHTHALATE	NA	NA	4400 U	NA	NA	3600 U
DI-N-OCTYL PHTHALATE	NA	NA	4400 U	NA	NA	3600 UJ
HEXACHLOROBENZENE	NA	NA	4400 U	NA	NA	3600 U
HEXACHLOROBUTADIENE	NA	NA	4400 U	NA	NA	3600 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	4400 U	NA	NA	3600 U
HEXACHLOROETHANE	NA	NA	4400 U	NA	NA	3600 U
ISOPHORONE	NA	NA	4400 U	NA	NA	3600 U
NITROBENZENE	NA	NA	4400 U	NA	NA	3600 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	4400 U	NA	NA	3600 U
N-NITROSODIPHENYLAMINE	NA	NA	4400 U	NA	NA	3600 U
PENTACHLOROPHENOL	NA	NA	11000 U	NA	NA	9000 U
PHENOL	NA	NA	4400 U	NA	NA	3600 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	4400 U	NA	NA	3600 U
ACENAPHTHENE	NA	NA	4400 U	NA	NA	3600 U
ACENAPHTHYLENE	NA	NA	450 J	NA	NA	3600 U
ANTHRACENE	NA	NA	4400 U	NA	NA	3600 U
BAP EQUIVALENT-HALFND	2.74	1.6 U	4207	1.4 U	18.5	3600 U
BAP EQUIVALENT-POS	0.98	1.6 U	2007	1.4 U	17.8	3600 U
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1300 J	1 U	13	3600 U
BENZO(A)PYRENE	1.6 U	1.6 U	1600 J	1.4 U	13	3600 UJ
BENZO(B)FLUORANTHENE	9.7	1.5 U	1400 J	1.3 U	24	3600 UJ
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	1900 J	NA	NA	3600 UJ
BENZO(K)FLUORANTHENE	2.1 U	2.1 U	1500 J	1.8 U	9.4	3600 UJ
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063C	SB-063D	SB-064	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-63REC-2	D-SB-63RED-2	SB-64-SS	D-SB-65RE-1	D-SB-65RE-2	SB-65-SS
SAMPLE DATE	20091013	20091013	20040924	20090916	20090916	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS
TOP DEPTH	2	2	0	1	2	0
BOTTOM DEPTH	2	2	0	1	2	0
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	14	1.1 U	1700 J	0.96 U	22	3600 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	4400 U	1.4 U	1.5 U	3600 UJ
FLUORANTHENE	NA	NA	2100 J	NA	NA	3600 U
FLUORENE	NA	NA	4400 U	NA	NA	3600 U
INDENO(1,2,3-CD)PYRENE	1.8 U	1.9 U	1200 J	1.6 U	9.4	3600 UJ
NAPHTHALENE	NA	NA	4400 U	NA	NA	3600 U
PHENANTHRENE	NA	NA	4400 U	NA	NA	3600 U
PYRENE	NA	NA	3600 J	NA	NA	3600 U
TOTAL PAHS	23.7	0 U	16750	0 U	90.8	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	320 U	NA	NA	270 U
AROCLOR-1221	NA	NA	320 U	NA	NA	270 U
AROCLOR-1232	NA	NA	320 U	NA	NA	270 U
AROCLOR-1242	NA	NA	320 U	NA	NA	270 U
AROCLOR-1248	NA	NA	320 U	NA	NA	270 U
AROCLOR-1254	NA	NA	320 U	NA	NA	270 U
AROCLOR-1260	NA	NA	320 U	NA	NA	270 U
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	0 U	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	3 UL	NA	NA	2.6 UR
ARSENIC	NA	NA	0.73 K	NA	NA	0.54 L
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063C	SB-063D	SB-064	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-63REC-2	D-SB-63RED-2	SB-64-SS	D-SB-65RE-1	D-SB-65RE-2	SB-65-SS
SAMPLE DATE	20091013	20091013	20040924	20090916	20090916	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS
TOP DEPTH	2	2	0	1	2	0
BOTTOM DEPTH	2	2	0	1	2	0
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	3.5	NA	NA	2.6 UL
CADMIUM	NA	NA	3 U	NA	NA	2.6 UL
CHROMIUM	NA	NA	18 J	NA	NA	3.1 K
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	9.7 J	NA	NA	2.6 UL
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	75 K	NA	NA	2.8 L
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	0.12 U	NA	NA	0.11 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	15 K	NA	NA	9.6
SELENIUM	NA	NA	3.5	NA	NA	2.6 UL
SILVER	NA	NA	3 UR	NA	NA	2.6 UR
THALLIUM	NA	NA	2.4 U	NA	NA	2.1 UL
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	55 L	NA	NA	26 U
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	330000	NA	NA	11000 U
GASOLINE RANGE ORGANICS	NA	NA	140 U	NA	NA	250
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066	SB-066	SB-066A	SB-066B	SB-066C
SAMPLE ID	D-SB-66RE-1	D-SB-66RE-2	SB-66-SS	D-SB-66REA-2	D-SB-66REB-2	D-SB-66REC-2
SAMPLE DATE	20090914	20090914	20040923	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	2	2	2
BOTTOM DEPTH	1	2	0	2	2	2
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	6 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	6 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	6 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	6 U	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	6 U	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	6 U	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	6 U	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	6 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	6 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	6 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	33	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	6 U	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	6 U	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	6 U	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	6 U	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	6 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	23	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	6 U	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	6 U	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	6 U	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	6 U	NA	NA	NA
2-BUTANONE	NA	NA	59 U	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	6 U	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	6 U	NA	NA	NA
2-HEXANONE	NA	NA	59 U	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	6 U	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	6 U	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	59 U	NA	NA	NA
ACETONE	NA	NA	59 U	NA	NA	NA
BENZENE	NA	NA	6 U	NA	NA	NA
BROMOBENZENE	NA	NA	6 U	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	6 U	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	6 U	NA	NA	NA
BROMOFORM	NA	NA	6 U	NA	NA	NA
BROMOMETHANE	NA	NA	6 U	NA	NA	NA
CARBON DISULFIDE	NA	NA	6 U	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	6 U	NA	NA	NA
CHLOROBENZENE	NA	NA	6 U	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	6 U	NA	NA	NA
CHLOROETHANE	NA	NA	6 U	NA	NA	NA
CHLOROFORM	NA	NA	6 U	NA	NA	NA
CHLOROMETHANE	NA	NA	6 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	6 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	6 U	NA	NA	NA
DIBROMOMETHANE	NA	NA	6 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	6 U	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	8	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

LOCATION	SB-066	SB-066	SB-066	SB-066A	SB-066B	SB-066C
SAMPLE ID	D-SB-66RE-1	D-SB-66RE-2	SB-66-SS	D-SB-66REA-2	D-SB-66REB-2	D-SB-66REC-2
SAMPLE DATE	20090914	20090914	20040923	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	2	2	2
BOTTOM DEPTH	1	2	0	2	2	2
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	6 U	NA	NA	NA
M+P-XYLENES	NA	NA	10 J	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	6 U	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	10 J	NA	NA	NA
NAPHTHALENE	NA	NA	260	NA	NA	NA
N-BUTYLBENZENE	NA	NA	6 U	NA	NA	NA
N-PROPYLBENZENE	NA	NA	6 U	NA	NA	NA
O-XYLENE	NA	NA	23	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	6 U	NA	NA	NA
STYRENE	NA	NA	6 U	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	6 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	6 U	NA	NA	NA
TOLUENE	NA	NA	6 U	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	6 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	6 U	NA	NA	NA
TRICHLOROETHENE	NA	NA	6 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	6 U	NA	NA	NA
VINYL ACETATE	NA	NA	6 U	NA	NA	NA
VINYL CHLORIDE	NA	NA	6 U	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	4000 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	4000 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	10000 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	4000 U	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	4000 U	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	4000 U	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	10000 U	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	4000 U	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	4000 U	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	4000 U	NA	NA	NA
2-CHLOROPHENOL	NA	NA	4000 U	NA	NA	NA
2-METHYLPHENOL	NA	NA	4000 U	NA	NA	NA
2-NITROANILINE	NA	NA	10000 U	NA	NA	NA
2-NITROPHENOL	NA	NA	4000 U	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	4000 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	4000 U	NA	NA	NA
3-NITROANILINE	NA	NA	10000 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	9300 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	4000 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	4000 U	NA	NA	NA
4-CHLOROANILINE	NA	NA	4000 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	4000 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	10000 U	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066	SB-066	SB-066A	SB-066B	SB-066C
SAMPLE ID	D-SB-66RE-1	D-SB-66RE-2	SB-66-SS	D-SB-66REA-2	D-SB-66REB-2	D-SB-66REC-2
SAMPLE DATE	20090914	20090914	20040923	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	2	2	2
BOTTOM DEPTH	1	2	0	2	2	2
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	10000 U	NA	NA	NA
ACETOPHENONE	NA	NA	4000 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	4000 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	4000 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	4000 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	4000 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	4000 U	NA	NA	NA
CAPROLACTAM	NA	NA	4000 U	NA	NA	NA
CARBAZOLE	NA	NA	4000 U	NA	NA	NA
DIBENZOFURAN	NA	NA	4000 U	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	4000 U	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	4000 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	4000 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	4000 U	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	4000 U	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	4000 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	4000 U	NA	NA	NA
HEXACHLOROETHANE	NA	NA	4000 U	NA	NA	NA
ISOPHORONE	NA	NA	4000 U	NA	NA	NA
NITROBENZENE	NA	NA	4000 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	4000 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	4000 U	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	10000 U	NA	NA	NA
PHENOL	NA	NA	4000 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	990 J	NA	NA	NA
ACENAPHTHENE	NA	NA	4000 U	NA	NA	NA
ACENAPHTHYLENE	NA	NA	4000 U	NA	NA	NA
ANTHRACENE	NA	NA	4000 U	NA	NA	NA
BAP EQUIVALENT-HALFND	52.7	1461	4621	17.4	2.60	38.0
BAP EQUIVALENT-POS	51.9	1461	0.64	16.6	0.94	37.3
BENZO(A)ANTHRACENE	58	1300	4000 U	16	1.1 U	30
BENZO(A)PYRENE	40	1000	4000 U	12	1.5 U	29
BENZO(B)FLUORANTHENE	38	1000	4000 U	18	9.4	36
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	4000 U	NA	NA	NA
BENZO(K)FLUORANTHENE	24	450	4000 U	11	2 U	14
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066	SB-066	SB-066A	SB-066B	SB-066C
SAMPLE ID	D-SB-66RE-1	D-SB-66RE-2	SB-66-SS	D-SB-66REA-2	D-SB-66REB-2	D-SB-66REC-2
SAMPLE DATE	20090914	20090914	20040923	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	2	2	2
BOTTOM DEPTH	1	2	0	2	2	2
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	61	1300	640 J	1.1 U	1.1 U	21
DIBENZO(A,H)ANTHRACENE	1.5 U	170	4000 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	730 J	NA	NA	NA
FLUORENE	NA	NA	610 J	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	20	550	4000 U	11	1.8 U	15
NAPHTHALENE	NA	NA	690 J	NA	NA	NA
PHENANTHRENE	NA	NA	1700 J	NA	NA	NA
PYRENE	NA	NA	1200 J	NA	NA	NA
TOTAL PAHS	241	5770	6560	68	9.4	145
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	300 U	NA	NA	NA
AROCLOR-1221	NA	NA	300 U	NA	NA	NA
AROCLOR-1232	NA	NA	300 U	NA	NA	NA
AROCLOR-1242	NA	NA	300 U	NA	NA	NA
AROCLOR-1248	NA	NA	300 U	NA	NA	NA
AROCLOR-1254	NA	NA	300 U	NA	NA	NA
AROCLOR-1260	NA	NA	300 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	2.8 UL	NA	NA	NA
ARSENIC	NA	NA	4.9	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066	SB-066	SB-066A	SB-066B	SB-066C
SAMPLE ID	D-SB-66RE-1	D-SB-66RE-2	SB-66-SS	D-SB-66REA-2	D-SB-66REB-2	D-SB-66REC-2
SAMPLE DATE	20090914	20090914	20040923	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SB
TOP DEPTH	1	2	0	2	2	2
BOTTOM DEPTH	1	2	0	2	2	2
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	2.8 U	NA	NA	NA
CADMIUM	NA	NA	2.8 U	NA	NA	NA
CHROMIUM	NA	NA	36 J	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	22	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	14	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	0.11 U	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	8.6	NA	NA	NA
SELENIUM	NA	NA	2.8 U	NA	NA	NA
SILVER	NA	NA	2.8 UR	NA	NA	NA
THALLIUM	NA	NA	2.2 U	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	28 UL	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	12000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	4800	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066D	SB-067	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-66RED-2	SB-67-SS	D-SB-239RE-2	D-SB-239RE-2-AVG	D-SB-239RE-2-D	SB-239-SS[12]
SAMPLE DATE	20091014	20040927	20090914	20090914	20090914	20050607
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	2	0	2	2	2	1
BOTTOM DEPTH	2	0	2	2	2	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	5 UL	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	5 UL	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	5 UL	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	5 UL	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	5 UL	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	5 UL	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	5 UL	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	5 UL	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	5 UL	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	5 UL	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	5 UL	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	5 UL	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	5 UL	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	5 UL	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	5 UL	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	5 UL	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	5 UL	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	5 UL	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	5 UL	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	5 UL	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	5 UL	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	5 UL	NA	NA	NA	NA
2-BUTANONE	NA	53 UL	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	5 UL	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	5 UL	NA	NA	NA	NA
2-HEXANONE	NA	53 UL	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	5 UL	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	5 UL	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	53 UL	NA	NA	NA	NA
ACETONE	NA	53 UL	NA	NA	NA	NA
BENZENE	NA	5 UL	NA	NA	NA	NA
BROMOBENZENE	NA	5 UL	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	5 UL	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	5 UL	NA	NA	NA	NA
BROMOFORM	NA	5 UL	NA	NA	NA	NA
BROMOMETHANE	NA	5 UL	NA	NA	NA	NA
CARBON DISULFIDE	NA	5 UL	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	5 UL	NA	NA	NA	NA
CHLOROBENZENE	NA	5 UL	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	5 UL	NA	NA	NA	NA
CHLOROETHANE	NA	5 UL	NA	NA	NA	NA
CHLOROFORM	NA	5 UL	NA	NA	NA	NA
CHLOROMETHANE	NA	5 UL	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	5 UL	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	5 UL	NA	NA	NA	NA
DIBROMOMETHANE	NA	5 UL	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	5 UL	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	5 UL	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

LOCATION	SB-066D	SB-067	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-66RED-2	SB-67-SS	D-SB-239RE-2	D-SB-239RE-2-AVG	D-SB-239RE-2-D	SB-239-SS[12]
SAMPLE DATE	20091014	20040927	20090914	20090914	20090914	20050607
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	2	0	2	2	2	1
BOTTOM DEPTH	2	0	2	2	2	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	5 UL	NA	NA	NA	NA
M+P-XYLENES	NA	11 UL	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	5 UL	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	5 UL	NA	NA	NA	NA
NAPHTHALENE	NA	5 UL	NA	NA	NA	NA
N-BUTYLBENZENE	NA	5 UL	NA	NA	NA	NA
N-PROPYLBENZENE	NA	5 UL	NA	NA	NA	NA
O-XYLENE	NA	5 UL	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	5 UL	NA	NA	NA	NA
STYRENE	NA	5 UL	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	5 UL	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	5 UL	NA	NA	NA	NA
TOLUENE	NA	5 UL	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	5 UL	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	5 UL	NA	NA	NA	NA
TRICHLOROETHENE	NA	5 UL	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	5 UL	NA	NA	NA	NA
VINYL ACETATE	NA	5 UL	NA	NA	NA	NA
VINYL CHLORIDE	NA	5 UL	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	3500 U	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	3500 U	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	8800 U	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	3500 U	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	3500 U	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	3500 U	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	8800 U	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	3500 U	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	3500 U	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	3500 U	NA	NA	NA	NA
2-CHLOROPHENOL	NA	3500 U	NA	NA	NA	NA
2-METHYLPHENOL	NA	3500 U	NA	NA	NA	NA
2-NITROANILINE	NA	8800 U	NA	NA	NA	NA
2-NITROPHENOL	NA	3500 U	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	3500 U	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	3500 UJ	NA	NA	NA	NA
3-NITROANILINE	NA	8800 U	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	8100 U	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	3500 U	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	3500 U	NA	NA	NA	NA
4-CHLOROANILINE	NA	3500 U	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	3500 U	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	8800 U	NA	NA	NA	NA

LOCATION	SB-066D	SB-067	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-66RED-2	SB-67-SS	D-SB-239RE-2	D-SB-239RE-2-AVG	D-SB-239RE-2-D	SB-239-SS[12]
SAMPLE DATE	20091014	20040927	20090914	20090914	20090914	20050607
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	2	0	2	2	2	1
BOTTOM DEPTH	2	0	2	2	2	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	8800 U	NA	NA	NA	NA
ACETOPHENONE	NA	3500 U	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	3500 U	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	3500 U	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	3500 U	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	3500 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	3500 UJ	NA	NA	NA	NA
CAPROLACTAM	NA	3500 U	NA	NA	NA	NA
CARBAZOLE	NA	3500 U	NA	NA	NA	NA
DIBENZOFURAN	NA	3500 U	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	3500 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	3500 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	3500 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	3500 UJ	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	3500 U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	3500 U	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	3500 U	NA	NA	NA	NA
HEXACHLOROETHANE	NA	3500 U	NA	NA	NA	NA
ISOPHORONE	NA	3500 U	NA	NA	NA	NA
NITROBENZENE	NA	3500 U	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	3500 U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	3500 U	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	8800 U	NA	NA	NA	NA
PHENOL	NA	3500 U	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	3500 U	NA	NA	NA	NA
ACENAPHTHENE	NA	470 J	NA	NA	NA	205
ACENAPHTHYLENE	NA	1600 J	NA	NA	NA	187
ANTHRACENE	NA	1300 J	NA	NA	NA	136 J
BAP EQUIVALENT-HALFND	1.5 U	9391	297	158	18.7	340
BAP EQUIVALENT-POS	1.5 U	9391	297	157	18.0	340
BENZO(A)ANTHRACENE	1.1 U	5700 J	230 J	120.5	11 J	157 J
BENZO(A)PYRENE	1.5 U	5800 J	200 J	107	14 J	229
BENZO(B)FLUORANTHENE	1.4 U	5300 J	290 J	155	20 J	151 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	6900 J	NA	NA	NA	263
BENZO(K)FLUORANTHENE	2 U	4400 J	100 J	50.5	2 UJ	176
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066D	SB-067	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-66RED-2	SB-67-SS	D-SB-239RE-2	D-SB-239RE-2-AVG	D-SB-239RE-2-D	SB-239-SS[12]
SAMPLE DATE	20091014	20040927	20090914	20090914	20090914	20050607
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	2	0	2	2	2	1
BOTTOM DEPTH	2	0	2	2	2	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	7300 J	210 J	112	14 J	187
DIBENZO(A,H)ANTHRACENE	1.5 U	2000 J	34 J	17.375	1.5 UJ	60 J
FLUORANTHENE	NA	8700	NA	NA	NA	307
FLUORENE	NA	1100 J	NA	NA	NA	192
INDENO(1,2,3-CD)PYRENE	1.7 U	4400 J	98 J	53.35	8.7 J	187
NAPHTHALENE	NA	3500 U	NA	NA	NA	49 J
PHENANTHRENE	NA	9000	NA	NA	NA	539
PYRENE	NA	20000 J	NA	NA	NA	383
TOTAL PAHS	0 U	83970	1162	614.85	67.7	3408
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	260 U	NA	NA	NA	NA
AROCLOR-1221	NA	260 U	NA	NA	NA	NA
AROCLOR-1232	NA	260 U	NA	NA	NA	NA
AROCLOR-1242	NA	260 U	NA	NA	NA	NA
AROCLOR-1248	NA	260 U	NA	NA	NA	NA
AROCLOR-1254	NA	260 U	NA	NA	NA	NA
AROCLOR-1260	NA	260 U	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	0 U	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	3 J	NA	NA	NA	NA
ARSENIC	NA	1.1	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066D	SB-067	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-66RED-2	SB-67-SS	D-SB-239RE-2	D-SB-239RE-2-AVG	D-SB-239RE-2-D	SB-239-SS[12]
SAMPLE DATE	20091014	20040927	20090914	20090914	20090914	20050607
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	2	0	2	2	2	1
BOTTOM DEPTH	2	0	2	2	2	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	4.6	NA	NA	NA	NA
CADMIUM	NA	2.6 U	NA	NA	NA	NA
CHROMIUM	NA	21 J	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	9.8 J	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	56 K	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.11 U	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	15 K	NA	NA	NA	NA
SELENIUM	NA	4.4	NA	NA	NA	NA
SILVER	NA	2.6 UR	NA	NA	NA	NA
THALLIUM	NA	2.1 U	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	71	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	11000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	110 U	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	SB-239-SS[18]	SB-239-SS[6]	D-SB-240RE-1	D-SB-240RE-2	SB-240-SS[12]	SB-240-SS[18]
SAMPLE DATE	20050607	20050607	20090914	20090914	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	1.5	0.5	1	2	1	1.5
BOTTOM DEPTH	1.5	0.5	1	2	1	1.5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	SB-239-SS[18]	SB-239-SS[6]	D-SB-240RE-1	D-SB-240RE-2	SB-240-SS[12]	SB-240-SS[18]
SAMPLE DATE	20050607	20050607	20090914	20090914	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	1.5	0.5	1	2	1	1.5
BOTTOM DEPTH	1.5	0.5	1	2	1	1.5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	SB-239-SS[18]	SB-239-SS[6]	D-SB-240RE-1	D-SB-240RE-2	SB-240-SS[12]	SB-240-SS[18]
SAMPLE DATE	20050607	20050607	20090914	20090914	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	1.5	0.5	1	2	1	1.5
BOTTOM DEPTH	1.5	0.5	1	2	1	1.5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	32 J	163 U	NA	NA	163 U	164 U
ACENAPHTHYLENE	375	69 J	NA	NA	68 J	94 J
ANTHRACENE	102 J	163 U	NA	NA	28 J	164 U
BAP EQUIVALENT-HALFND	537	130	2378	1.5 U	165	175
BAP EQUIVALENT-POS	537	130	2378	1.5 U	82.5	175
BENZO(A)ANTHRACENE	217	49 J	1300	1.1 U	44 J	71 J
BENZO(A)PYRENE	368	79 J	1600	1.5 U	67 J	130 J
BENZO(B)FLUORANTHENE	237	43 J	2000	1.4 U	51 J	81 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	448	83 J	NA	NA	78 J	120 J
BENZO(K)FLUORANTHENE	245	61 J	590	2 U	163 U	111 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	SB-239-SS[18]	SB-239-SS[6]	D-SB-240RE-1	D-SB-240RE-2	SB-240-SS[12]	SB-240-SS[18]
SAMPLE DATE	20050607	20050607	20090914	20090914	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	1.5	0.5	1	2	1	1.5
BOTTOM DEPTH	1.5	0.5	1	2	1	1.5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	264	55 J	1600	1.1 U	55 J	94 J
DIBENZO(A,H)ANTHRACENE	90 J	34 J	330	1.5 U	163 U	20 J
FLUORANTHENE	303	54 J	NA	NA	52 J	86 J
FLUORENE	28 J	163 U	NA	NA	163 U	164 U
INDENO(1,2,3-CD)PYRENE	312	67 J	1100	1.8 U	59 J	89 J
NAPHTHALENE	34 J	163 U	NA	NA	163 U	164 U
PHENANTHRENE	115 J	163 U	NA	NA	90 J	34 J
PYRENE	534	105 J	NA	NA	109 J	212
TOTAL PAHS	3704	699	8520	0 U	701	1142
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	SB-239-SS[18]	SB-239-SS[6]	D-SB-240RE-1	D-SB-240RE-2	SB-240-SS[12]	SB-240-SS[18]
SAMPLE DATE	20050607	20050607	20090914	20090914	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB
TOP DEPTH	1.5	0.5	1	2	1	1.5
BOTTOM DEPTH	1.5	0.5	1	2	1	1.5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-240	SB-240A	SB-240B	SB-240C	SB-240D	SB-241
SAMPLE ID	SB-240-SS[6]	D-SB-240REA-1	D-SB-240REB-1	D-SB-240REC-1	D-SB-240RED-1	SB-241-SS[12]
SAMPLE DATE	20050607	20091014	20091013	20091013	20091013	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0.5	1	1	1	1	1
BOTTOM DEPTH	0.5	1	1	1	1	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240A	SB-240B	SB-240C	SB-240D	SB-241
SAMPLE ID	SB-240-SS[6]	D-SB-240REA-1	D-SB-240REB-1	D-SB-240REC-1	D-SB-240RED-1	SB-241-SS[12]
SAMPLE DATE	20050607	20091014	20091013	20091013	20091013	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0.5	1	1	1	1	1
BOTTOM DEPTH	0.5	1	1	1	1	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240A	SB-240B	SB-240C	SB-240D	SB-241
SAMPLE ID	SB-240-SS[6]	D-SB-240REA-1	D-SB-240REB-1	D-SB-240REC-1	D-SB-240RED-1	SB-241-SS[12]
SAMPLE DATE	20050607	20091014	20091013	20091013	20091013	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0.5	1	1	1	1	1
BOTTOM DEPTH	0.5	1	1	1	1	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	159 U	NA	NA	NA	NA	43 J
ACENAPHTHYLENE	52 J	NA	NA	NA	NA	157 U
ANTHRACENE	165	NA	NA	NA	NA	47 J
BAP EQUIVALENT-HALFND	152	372	13461	44.0	44.7	156
BAP EQUIVALENT-POS	72.3	372	13461	43.3	44.0	77.1
BENZO(A)ANTHRACENE	43 J	180	11000	24	22	65 J
BENZO(A)PYRENE	58 J	270	9300	34	35	60 J
BENZO(B)FLUORANTHENE	48 J	280	11000	43	41	54 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	63 J	NA	NA	NA	NA	51 J
BENZO(K)FLUORANTHENE	52 J	75	4000	14	15	47 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240A	SB-240B	SB-240C	SB-240D	SB-241
SAMPLE ID	SB-240-SS[6]	D-SB-240REA-1	D-SB-240REB-1	D-SB-240REC-1	D-SB-240RED-1	SB-241-SS[12]
SAMPLE DATE	20050607	20091014	20091013	20091013	20091013	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0.5	1	1	1	1	1
BOTTOM DEPTH	0.5	1	1	1	1	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	48 J	260	11000	29	33	62 J
DIBENZO(A,H)ANTHRACENE	159 U	39	1400	1.5 U	1.5 U	157 U
FLUORANTHENE	347	NA	NA	NA	NA	131 J
FLUORENE	80 J	NA	NA	NA	NA	55 J
INDENO(1,2,3-CD)PYRENE	46 J	160	5100	24	25	47 J
NAPHTHALENE	159 U	NA	NA	NA	NA	70 J
PHENANTHRENE	186	NA	NA	NA	NA	218
PYRENE	267	NA	NA	NA	NA	105 J
TOTAL PAHS	1455	1264	52800	168	171	1055
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-240	SB-240A	SB-240B	SB-240C	SB-240D	SB-241
SAMPLE ID	SB-240-SS[6]	D-SB-240REA-1	D-SB-240REB-1	D-SB-240REC-1	D-SB-240RED-1	SB-241-SS[12]
SAMPLE DATE	20050607	20091014	20091013	20091013	20091013	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB
TOP DEPTH	0.5	1	1	1	1	1
BOTTOM DEPTH	0.5	1	1	1	1	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-241	SB-241	SB-242	SB-242	SB-242	SB-243
SAMPLE ID	SB-241-SS[18]	SB-241-SS[6]	SB-242-SS[12]	SB-242-SS[18]	SB-242-SS[6]	D-SB-243RE-1
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	1.5	0.5	1	1.5	0.5	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-241	SB-241	SB-242	SB-242	SB-242	SB-243
SAMPLE ID	SB-241-SS[18]	SB-241-SS[6]	SB-242-SS[12]	SB-242-SS[18]	SB-242-SS[6]	D-SB-243RE-1
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	1.5	0.5	1	1.5	0.5	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-241	SB-241	SB-242	SB-242	SB-242	SB-243
SAMPLE ID	SB-241-SS[18]	SB-241-SS[6]	SB-242-SS[12]	SB-242-SS[18]	SB-242-SS[6]	D-SB-243RE-1
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	1.5	0.5	1	1.5	0.5	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	68 J	48 J	164 U	161 U	162 U	NA
ACENAPHTHYLENE	156 U	151 U	34 J	161 U	162 U	NA
ANTHRACENE	59 J	37 J	164 U	161 U	162 U	NA
BAP EQUIVALENT-HALFND	135	165	153	161 U	181	3300
BAP EQUIVALENT-POS	135	89.1	61.9	161 U	100	3300
BENZO(A)ANTHRACENE	59 J	76 J	63 J	161 U	91 J	1600
BENZO(A)PYRENE	73 J	70 J	52 J	161 U	79 J	2400
BENZO(B)FLUORANTHENE	53 J	56 J	164 U	161 U	70 J	2400
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	60 J	57 J	43 J	161 U	52 J	NA
BENZO(K)FLUORANTHENE	67 J	64 J	164 U	161 U	72 J	760
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-241	SB-241	SB-242	SB-242	SB-242	SB-243
SAMPLE ID	SB-241-SS[18]	SB-241-SS[6]	SB-242-SS[12]	SB-242-SS[18]	SB-242-SS[6]	D-SB-243RE-1
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	1.5	0.5	1	1.5	0.5	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	64 J	83 J	76 J	161 U	101 J	1900
DIBENZO(A,H)ANTHRACENE	44 J	151 U	164 U	161 U	162 U	330
FLUORANTHENE	153 J	149 J	139 J	161 U	180	NA
FLUORENE	84 J	151 U	164 U	161 U	162 U	NA
INDENO(1,2,3-CD)PYRENE	65 J	52 J	35 J	161 U	42 J	1600
NAPHTHALENE	51 J	88 J	62 J	161 U	384	NA
PHENANTHRENE	305	126 J	252	161 U	158 J	NA
PYRENE	134 J	123 J	167	161 U	163	NA
TOTAL PAHS	1339	1029	923	0 U	1392	10990
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-241	SB-241	SB-242	SB-242	SB-242	SB-243
SAMPLE ID	SB-241-SS[18]	SB-241-SS[6]	SB-242-SS[12]	SB-242-SS[18]	SB-242-SS[6]	D-SB-243RE-1
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB
TOP DEPTH	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	1.5	0.5	1	1.5	0.5	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-2	SB-243-SS[12]	SB-243-SS[18]	SB-243-SS[6]	D-SB-243REA-2	D-SB-243REB-2
SAMPLE DATE	20090915	20050607	20050607	20050607	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	1	1.5	0.5	2	2
BOTTOM DEPTH	2	1	1.5	0.5	2	2
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-2	SB-243-SS[12]	SB-243-SS[18]	SB-243-SS[6]	D-SB-243REA-2	D-SB-243REB-2
SAMPLE DATE	20090915	20050607	20050607	20050607	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	1	1.5	0.5	2	2
BOTTOM DEPTH	2	1	1.5	0.5	2	2
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-2	SB-243-SS[12]	SB-243-SS[18]	SB-243-SS[6]	D-SB-243REA-2	D-SB-243REB-2
SAMPLE DATE	20090915	20050607	20050607	20050607	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	1	1.5	0.5	2	2
BOTTOM DEPTH	2	1	1.5	0.5	2	2
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	160 U	166 U	162 U	NA	NA
ACENAPHTHYLENE	NA	98 J	60 J	162 U	NA	NA
ANTHRACENE	NA	41 J	166 U	25 J	NA	NA
BAP EQUIVALENT-HALFND	20.4	243	174	166	134	1.6 U
BAP EQUIVALENT-POS	19.6	163	90.9	84.8	134	1.6 U
BENZO(A)ANTHRACENE	11	96 J	50 J	68 J	110	1.2 U
BENZO(A)PYRENE	16	132 J	75 J	68 J	91	1.6 U
BENZO(B)FLUORANTHENE	15	108 J	45 J	47 J	110	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	118 J	80 J	58 J	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	97 J	55 J	65 J	51	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-2	SB-243-SS[12]	SB-243-SS[18]	SB-243-SS[6]	D-SB-243REA-2	D-SB-243REB-2
SAMPLE DATE	20090915	20050607	20050607	20050607	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	1	1.5	0.5	2	2
BOTTOM DEPTH	2	1	1.5	0.5	2	2
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	13	143 J	63 J	69 J	98	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	160 U	166 U	162 U	16	1.6 U
FLUORANTHENE	NA	183	71 J	140 J	NA	NA
FLUORENE	NA	160 U	166 U	162 U	NA	NA
INDENO(1,2,3-CD)PYRENE	9.5	94 J	58 J	46 J	47	1.8 U
NAPHTHALENE	NA	40 J	39 J	37 J	NA	NA
PHENANTHRENE	NA	80 J	53 J	49 J	NA	NA
PYRENE	NA	287	128 J	133 J	NA	NA
TOTAL PAHS	64.5	1517	777	805	523	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-2	SB-243-SS[12]	SB-243-SS[18]	SB-243-SS[6]	D-SB-243REA-2	D-SB-243REB-2
SAMPLE DATE	20090915	20050607	20050607	20050607	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB
TOP DEPTH	2	1	1.5	0.5	2	2
BOTTOM DEPTH	2	1	1.5	0.5	2	2
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243C	SB-243D	SB-592	SB-592A	SB-592B	SB-592D
SAMPLE ID	D-SB-243REC-2	D-SB-243RED-2	D-SB-592-2	D-SB-592A-2	D-SB-592B-2	D-SB-592D-2
SAMPLE DATE	20091012	20091012	20090914	20091015	20091016	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

LOCATION	SB-243C	SB-243D	SB-592	SB-592A	SB-592B	SB-592D
SAMPLE ID	D-SB-243REC-2	D-SB-243RED-2	D-SB-592-2	D-SB-592A-2	D-SB-592B-2	D-SB-592D-2
SAMPLE DATE	20091012	20091012	20090914	20091015	20091016	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

LOCATION	SB-243C	SB-243D	SB-592	SB-592A	SB-592B	SB-592D
SAMPLE ID	D-SB-243REC-2	D-SB-243RED-2	D-SB-592-2	D-SB-592A-2	D-SB-592B-2	D-SB-592D-2
SAMPLE DATE	20091012	20091012	20090914	20091015	20091016	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	14.5	16.0	36.7	7.06	31.5	52.9
BAP EQUIVALENT-POS	13.6	15.2	35.9	0.05	30.7	52.1
BENZO(A)ANTHRACENE	14	10	20	4.5 U	15	23
BENZO(A)PYRENE	11	12	29	6.1 U	25	43
BENZO(B)FLUORANTHENE	12	13	30	5.7 U	24	39
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2.1 U	13	8 U	11	14
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243C	SB-243D	SB-592	SB-592A	SB-592B	SB-592D
SAMPLE ID	D-SB-243REC-2	D-SB-243RED-2	D-SB-592-2	D-SB-592A-2	D-SB-592B-2	D-SB-592D-2
SAMPLE DATE	20091012	20091012	20090914	20091015	20091016	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	14	10	28	52	23	33
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.6 U	6.1 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	8.9	17	7.1 U	17	27
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	51	53.9	137	52	115	179
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243C	SB-243D	SB-592	SB-592A	SB-592B	SB-592D
SAMPLE ID	D-SB-243REC-2	D-SB-243RED-2	D-SB-592-2	D-SB-592A-2	D-SB-592B-2	D-SB-592D-2
SAMPLE DATE	20091012	20091012	20090914	20091015	20091016	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-593	SB-594	SB-595
SAMPLE ID	D-SB-593-2	D-SB-594-2	D-SB-595-2
SAMPLE DATE	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	2	2	2
BOTTOM DEPTH	2	2	2
VOLATILES (UG/KG)			
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA
1,4-DIOXANE	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA
2-BUTANONE	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA
2-HEXANONE	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA
ACETONE	NA	NA	NA
BENZENE	NA	NA	NA
BROMOBENZENE	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA
BROMOFORM	NA	NA	NA
BROMOMETHANE	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA
CHLOROBENZENE	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA
CHLOROETHANE	NA	NA	NA
CHLOROFORM	NA	NA	NA
CHLOROMETHANE	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA
ETHYLBENZENE	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA

LOCATION	SB-593	SB-594	SB-595
SAMPLE ID	D-SB-593-2	D-SB-594-2	D-SB-595-2
SAMPLE DATE	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	2	2	2
BOTTOM DEPTH	2	2	2
VOLATILES (CONTINUED) (UG/KG)			
HEXACHLOROBUTADIENE	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA
M+P-XYLENES	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA
NAPHTHALENE	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA
O-XYLENE	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA
STYRENE	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA
TOLUENE	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA
TOTAL XYLENES	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA
VINYL ACETATE	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA
SEMIVOLATILES (UG/KG)			
1,1-BIPHENYL	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA
1,4-DIOXANE	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA
2-NITROANILINE	NA	NA	NA
2-NITROPHENOL	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA
3-NITROANILINE	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA
4-NITROANILINE	NA	NA	NA

LOCATION	SB-593	SB-594	SB-595
SAMPLE ID	D-SB-593-2	D-SB-594-2	D-SB-595-2
SAMPLE DATE	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	2	2	2
BOTTOM DEPTH	2	2	2
SEMIVOLATILES (CONTINUED) (UG/KG)			
4-NITROPHENOL	NA	NA	NA
ACETOPHENONE	NA	NA	NA
ANILINE	NA	NA	NA
ATRAZINE	NA	NA	NA
AZOBENZENE	NA	NA	NA
BENZALDEHYDE	NA	NA	NA
BENZIDINE	NA	NA	NA
BENZOIC ACID	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA
CAPROLACTAM	NA	NA	NA
CARBAZOLE	NA	NA	NA
DIBENZOFURAN	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA
ISOPHORONE	NA	NA	NA
NITROBENZENE	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA
PHENOL	NA	NA	NA
PYRIDINE	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)			
1-METHYLNAPHTHALENE	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA
ACENAPHTHENE	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA
ANTHRACENE	NA	NA	NA
BAP EQUIVALENT-HALFND	32.5	92.3	85.4
BAP EQUIVALENT-POS	31.7	92.3	84.6
BENZO(A)ANTHRACENE	25	54	59
BENZO(A)PYRENE	25	64	67
BENZO(B)FLUORANTHENE	26	82	77
BENZO(B+K)FLUORANTHENE	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA
BENZO(K)FLUORANTHENE	12	27	28
C1-CHRYSENES	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA
C1-FLUORENES	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA
C2-CHRYSENES	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA
C2-FLUORENES	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-593	SB-594	SB-595
SAMPLE ID	D-SB-593-2	D-SB-594-2	D-SB-595-2
SAMPLE DATE	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	2	2	2
BOTTOM DEPTH	2	2	2
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUE			
C2-NAPHTHALENES	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA
C3-CHRYSENES	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA
C3-FLUORENES	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA
C4-CHRYSENES	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA
CHRYSENE	24	61	56
DIBENZO(A,H)ANTHRACENE	1.6 U	11	1.5 U
FLUORANTHENE	NA	NA	NA
FLUORENE	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	15	34	37
NAPHTHALENE	NA	NA	NA
PHENANTHRENE	NA	NA	NA
PYRENE	NA	NA	NA
TOTAL PAHS	127	333	324
PESTICIDES/PCBS (UG/KG)			
4,4'-DDD	NA	NA	NA
4,4'-DDE	NA	NA	NA
4,4'-DDT	NA	NA	NA
ALDRIN	NA	NA	NA
ALPHA-BHC	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA
AROCLOR-1016	NA	NA	NA
AROCLOR-1221	NA	NA	NA
AROCLOR-1232	NA	NA	NA
AROCLOR-1242	NA	NA	NA
AROCLOR-1248	NA	NA	NA
AROCLOR-1254	NA	NA	NA
AROCLOR-1260	NA	NA	NA
BETA-BHC	NA	NA	NA
DELTA-BHC	NA	NA	NA
DIELDRIN	NA	NA	NA
ENDOSULFAN I	NA	NA	NA
ENDOSULFAN II	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA
ENDRIN	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA
ENDRIN KETONE	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA
HEPTACHLOR	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA
METHOXYCHLOR	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA
TOXAPHENE	NA	NA	NA
METALS (MG/KG)			
ANTIMONY	NA	NA	NA
ARSENIC	NA	NA	NA
BARIUM	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-593	SB-594	SB-595
SAMPLE ID	D-SB-593-2	D-SB-594-2	D-SB-595-2
SAMPLE DATE	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	2	2	2
BOTTOM DEPTH	2	2	2
METALS (CONTINUED) (MG/KG)			
BERYLLIUM	NA	NA	NA
CADMIUM	NA	NA	NA
CHROMIUM	NA	NA	NA
COBALT	NA	NA	NA
COPPER	NA	NA	NA
IRON	NA	NA	NA
LEAD	NA	NA	NA
MANGANESE	NA	NA	NA
MERCURY	NA	NA	NA
MOLYBDENUM	NA	NA	NA
NICKEL	NA	NA	NA
SELENIUM	NA	NA	NA
SILVER	NA	NA	NA
THALLIUM	NA	NA	NA
VANADIUM	NA	NA	NA
ZINC	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)			
DIESEL RANGE ORGANICS	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)			
HEXAVALENT CHROMIUM	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-767	SB-768	SB-769	SB-770	SB-771
SAMPLE ID	D-SB-766-SS	D-SS-767-01	D-SS-768-01	D-SS-769-01	D-SS-770-01	D-SB-771-SS
SAMPLE DATE	20100827	20100830	20100830	20100830	20100830	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-767	SB-768	SB-769	SB-770	SB-771
SAMPLE ID	D-SB-766-SS	D-SS-767-01	D-SS-768-01	D-SS-769-01	D-SS-770-01	D-SB-771-SS
SAMPLE DATE	20100827	20100830	20100830	20100830	20100830	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-767	SB-768	SB-769	SB-770	SB-771
SAMPLE ID	D-SB-766-SS	D-SS-767-01	D-SS-768-01	D-SS-769-01	D-SS-770-01	D-SB-771-SS
SAMPLE DATE	20100827	20100830	20100830	20100830	20100830	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	3.6 U	3.8 U	3.6 U	28	3.8 U	480
2-METHYLNAPHTHALENE	3.6 U	3.8 U	3.6 U	3.6 U	9.3	980
ACENAPHTHENE	3.6 U	3.8 U	31 J	29 J	3.8 U	4500
ACENAPHTHYLENE	3.6 U	3.8 U	3.6 U	3.6 U	3.8 U	70 U
ANTHRACENE	3.6 U	3.8 U	48 J	3.6 U	3.8 U	5900
BAP EQUIVALENT-HALFND	3.6 U	31.3	77.9	39.2	17.9	11308
BAP EQUIVALENT-POS	3.6 U	29.0	75.9	37.2	16.0	11308
BENZO(A)ANTHRACENE	3.6 U	3.8 U	62	44	14	11000
BENZO(A)PYRENE	3.6 U	27 J	61 J	29	11	7400
BENZO(B)FLUORANTHENE	3.6 U	20 J	82 J	36	18 J	10000
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.6 U	3.8 U	3.6 U	3.6 U	8.9	4200
BENZO(K)FLUORANTHENE	3.6 U	3.8 U	47 J	17	3.8 U	3800
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	73 U	NA	NA	NA	77 U	NA
C1-FLUORANTHENES/PYRENES	73 U	NA	NA	NA	77 U	NA
C1-FLUORENES	73 U	NA	NA	NA	77 U	NA
C1-PHENANTHRENES/ANTHRACENES	73 U	NA	NA	NA	77 U	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	73 U	NA	NA	NA	77 U	NA
C2-FLUORENES	73 U	NA	NA	NA	77 U	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-767	SB-768	SB-769	SB-770	SB-771
SAMPLE ID	D-SB-766-SS	D-SS-767-01	D-SS-768-01	D-SS-769-01	D-SS-770-01	D-SB-771-SS
SAMPLE DATE	20100827	20100830	20100830	20100830	20100830	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)						
C2-NAPHTHALENES	73 U	NA	NA	NA	77 U	NA
C2-PHENANTHRENES/ANTHRACENES	73 U	NA	NA	NA	77 U	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	73 U	NA	NA	NA	77 U	NA
C3-FLUORENES	73 U	NA	NA	NA	77 U	NA
C3-NAPHTHALENES	73 U	NA	NA	NA	77 U	NA
C3-PHENANTHRENES/ANTHRACENES	73 U	NA	NA	NA	77 U	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	73 U	NA	NA	NA	77 U	NA
C4-NAPHTHALENES	73 U	NA	NA	NA	77 U	NA
C4-PHENANTHRENES/ANTHRACENES	73 U	NA	NA	NA	77 U	NA
CHRYSENE	1.2 U	1.3 U	53	34	14	9600
DIBENZO(A,H)ANTHRACENE	3.6 U	3.8 U	3.6 U	3.6 U	3.8 U	1400
FLUORANTHENE	20	26 J	170 J	75 J	27	27000
FLUORENE	3.6 U	3.8 U	33 J	3.6 U	3.8 U	3100
INDENO(1,2,3-CD)PYRENE	3.6 U	3.8 U	3.6 U	3.6 U	18 J	3600
NAPHTHALENE	3.6 U	3.8 U	18	3.6 U	8.1	3100
PHENANTHRENE	3.6 U	3.8 U	120 J	54	20	23000
PYRENE	7 J	12	140	68	24	19000
TOTAL PAHS	27	85	865	386	172.3	137580
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-767	SB-768	SB-769	SB-770	SB-771
SAMPLE ID	D-SB-766-SS	D-SS-767-01	D-SS-768-01	D-SS-769-01	D-SS-770-01	D-SB-771-SS
SAMPLE DATE	20100827	20100830	20100830	20100830	20100830	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-773	SB-774	SB-775	SB-776	SB-777
SAMPLE ID	D-SS-772-01	D-SS-773-01	D-SB-774-SS	D-SS-775-01	D-SS-776-01	D-SB-777-SS
SAMPLE DATE	20100830	20100831	20100910	20100831	20100831	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-773	SB-774	SB-775	SB-776	SB-777
SAMPLE ID	D-SS-772-01	D-SS-773-01	D-SB-774-SS	D-SS-775-01	D-SS-776-01	D-SB-777-SS
SAMPLE DATE	20100830	20100831	20100910	20100831	20100831	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-773	SB-774	SB-775	SB-776	SB-777
SAMPLE ID	D-SS-772-01	D-SS-773-01	D-SB-774-SS	D-SS-775-01	D-SS-776-01	D-SB-777-SS
SAMPLE DATE	20100830	20100831	20100910	20100831	20100831	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	15	3.9 U	83 U	4 U	4 U	15 U
2-METHYLNAPHTHALENE	11	3.9 U	83 U	4 U	4 U	15 U
ACENAPHTHENE	11	3.9 U	1700	4 U	4 U	34
ACENAPHTHYLENE	3.6 U	3.9 U	83 U	4 U	4 U	15 U
ANTHRACENE	15	3.9 U	4900	4 U	4 U	89
BAP EQUIVALENT-HALFND	45.0	3.9 U	11379	4 U	4 U	460
BAP EQUIVALENT-POS	43.2	3.9 U	11379	4 U	4 U	452
BENZO(A)ANTHRACENE	43	3.9 U	13000	4 U	4 U	400
BENZO(A)PYRENE	31	3.9 U	7400	4 U	4 U	340
BENZO(B)FLUORANTHENE	47 J	3.9 U	11000	4 U	4 U	510
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	22	3.9 U	3500	4 U	4 U	270
BENZO(K)FLUORANTHENE	12	3.9 U	5600	4 U	4 U	180
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	500 J	80 U	NA	1600 J
C1-FLUORANTHENES/PYRENES	NA	NA	710 J	80 U	NA	2300 J
C1-FLUORENES	NA	NA	85 U	80 U	NA	150 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	290 J	80 U	NA	1300 J
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	220 J	80 U	NA	780 J
C2-FLUORENES	NA	NA	85 U	80 U	NA	150 U

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-773	SB-774	SB-775	SB-776	SB-777
SAMPLE ID	D-SS-772-01	D-SS-773-01	D-SB-774-SS	D-SS-775-01	D-SS-776-01	D-SB-777-SS
SAMPLE DATE	20100830	20100831	20100910	20100831	20100831	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	85 U	80 U	NA	150 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	170 J	80 U	NA	590 J
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	110 J	80 U	NA	420 J
C3-FLUORENES	NA	NA	85 U	80 U	NA	150 U
C3-NAPHTHALENES	NA	NA	85 U	80 U	NA	150 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	110 J	80 U	NA	310 J
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	85 U	80 U	NA	300 J
C4-NAPHTHALENES	NA	NA	85 U	80 U	NA	150 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	85 U	80 U	NA	150 U
CHRYSENE	34	1.3 U	13000	1.3 U	1.3 U	470
DIBENZO(A,H)ANTHRACENE	3.6 U	3.9 U	1200	4 U	4 U	15 U
FLUORANTHENE	68	3.9 U	37000	4 U	4 U	710
FLUORENE	10	3.9 U	2000	4 U	4 U	15 U
INDENO(1,2,3-CD)PYRENE	30 J	3.9 U	3100	4 U	4 U	190
NAPHTHALENE	84	9.8	83 U	4 U	4 U	15 U
PHENANTHRENE	44	3.9 U	27000	4 U	4 U	320
PYRENE	59	3.9 U	27000	4 U	4 U	880
TOTAL PAHS	521	9.8	157400	0 U	0 U	4393
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-773	SB-774	SB-775	SB-776	SB-777
SAMPLE ID	D-SS-772-01	D-SS-773-01	D-SB-774-SS	D-SS-775-01	D-SS-776-01	D-SB-777-SS
SAMPLE DATE	20100830	20100831	20100910	20100831	20100831	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-778	SB-779	SB-780	SB-781	SB-782	SB-783
SAMPLE ID	D-SS-778-01	D-SS-779-01	D-SS-780-01	D-SS-781-01	D-SS-782-01	D-SS-783-01
SAMPLE DATE	20100831	20100901	20100901	20100901	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	0.63 U	0.46 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	0.57 U	0.42 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	0.35 U	0.25 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	1.3 U	0.97 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	0.37 U	0.27 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	0.53 U	0.39 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	0.31 U	0.22 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	0.39 U	0.28 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	0.92 U	0.67 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	0.17 U	0.13 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	0.28 U	0.2 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	0.66 U	0.49 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	1.3 U	0.97 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	0.51 U	0.37 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	0.37 U	0.27 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	0.35 U	0.25 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	0.7 U	0.51 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	0.36 U	0.26 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	0.35 U	0.25 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	0.67 U	0.49 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	0.96 U	0.7 U
2-BUTANONE	NA	NA	NA	NA	1.4 U	1 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	1.4 U	1 U
2-CHLOROTOLUENE	NA	NA	NA	NA	0.41 U	0.3 U
2-HEXANONE	NA	NA	NA	NA	0.64 U	0.47 U
4-CHLOROTOLUENE	NA	NA	NA	NA	0.42 U	0.31 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	0.21 U	0.16 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	0.55 U	0.4 U
ACETONE	NA	NA	NA	NA	6.4 U	4.7 U
BENZENE	NA	NA	NA	NA	0.23 U	0.17 U
BROMOBENZENE	NA	NA	NA	NA	0.34 U	0.25 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	0.72 U	0.53 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	0.29 U	0.21 U
BROMOFORM	NA	NA	NA	NA	0.34 U	0.25 U
BROMOMETHANE	NA	NA	NA	NA	0.55 U	0.4 U
CARBON DISULFIDE	NA	NA	NA	NA	0.45 U	0.33 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	0.38 U	0.28 U
CHLOROBENZENE	NA	NA	NA	NA	0.34 U	0.25 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	0.56 U	0.41 U
CHLOROETHANE	NA	NA	NA	NA	0.88 U	0.64 U
CHLOROFORM	NA	NA	NA	NA	0.3 U	0.22 U
CHLOROMETHANE	NA	NA	NA	NA	0.42 U	0.31 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	0.37 U	0.27 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	0.35 U	0.25 U
DIBROMOMETHANE	NA	NA	NA	NA	0.64 U	0.47 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	0.51 U	0.37 U
DIISOPROPYL ETHER	NA	NA	NA	NA	1.5 U	1.1 U
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	0.22 U	0.16 U
ETHYLBENZENE	NA	NA	NA	NA	0.27 U	0.19 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-778	SB-779	SB-780	SB-781	SB-782	SB-783
SAMPLE ID	D-SS-778-01	D-SS-779-01	D-SS-780-01	D-SS-781-01	D-SS-782-01	D-SS-783-01
SAMPLE DATE	20100831	20100901	20100901	20100901	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	1.2 U	0.9 U
ISOPROPYLBENZENE	NA	NA	NA	NA	0.16 U	0.12 U
M+P-XYLENES	NA	NA	NA	NA	1.2 U	0.9 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	0.44 U	0.32 U
METHYLENE CHLORIDE	NA	NA	NA	NA	0.68 U	0.5 U
NAPHTHALENE	NA	NA	NA	NA	0.19 U	0.14 U
N-BUTYLBENZENE	NA	NA	NA	NA	0.23 U	0.17 U
N-PROPYLBENZENE	NA	NA	NA	NA	0.41 U	0.3 U
O-XYLENE	NA	NA	NA	NA	0.36 U	0.26 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	0.18 U	0.13 U
STYRENE	NA	NA	NA	NA	0.15 U	0.11 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	0.38 U	0.28 U
TERT-BUTYLBENZENE	NA	NA	NA	NA	0.3 U	0.22 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	7.8 UR	5.7 UR
TETRACHLOROETHENE	NA	NA	NA	NA	0.53 U	0.39 U
TOLUENE	NA	NA	NA	NA	0.28 U	0.2 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	0.68 U	0.5 U
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	0.42 U	0.31 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	0.55 U	0.4 U
TRICHLOROETHENE	NA	NA	NA	NA	0.43 U	0.31 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	0.35 U	0.25 U
VINYL ACETATE	NA	NA	NA	NA	0.26 U	0.19 U
VINYL CHLORIDE	NA	NA	NA	NA	0.4 U	0.29 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	28 U	30 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	23 U	25 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	9.9 U	11 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	26 U	28 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	83 U	89 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	21 U	22 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	21 U	22 U
2,4-DINITROPHENOL	NA	NA	NA	NA	83 U	89 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	28 U	30 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	22 U	23 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	3.4 U	3.7 U
2-CHLOROPHENOL	NA	NA	NA	NA	28 UJ	30 U
2-METHYLPHENOL	NA	NA	NA	NA	83 U	89 U
2-NITROANILINE	NA	NA	NA	NA	9.5 U	10 U
2-NITROPHENOL	NA	NA	NA	NA	28 U	30 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	19 U	20 U
3-NITROANILINE	NA	NA	NA	NA	17 U	18 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	83 U	89 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	14 U	14 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	22 U	23 U
4-CHLOROANILINE	NA	NA	NA	NA	18 U	19 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	14 U	14 U
4-METHYLPHENOL	NA	NA	NA	NA	83 U	89 U
4-NITROANILINE	NA	NA	NA	NA	27 U	29 U

LOCATION	SB-778	SB-779	SB-780	SB-781	SB-782	SB-783
SAMPLE ID	D-SS-778-01	D-SS-779-01	D-SS-780-01	D-SS-781-01	D-SS-782-01	D-SS-783-01
SAMPLE DATE	20100831	20100901	20100901	20100901	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	83 U	89 U
ACETOPHENONE	NA	NA	NA	NA	9.6 U	10 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	9.5 U	10 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	12 U	13 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	23 U	25 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	2.1 U	2.2 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	20 U	21 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	10 U	11 U
CAPROLACTAM	NA	NA	NA	NA	39 U	41 U
CARBAZOLE	NA	NA	NA	NA	28 U	30 U
DIBENZOFURAN	NA	NA	NA	NA	3.4 U	15 J
DIETHYL PHTHALATE	NA	NA	NA	NA	17 U	18 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	18 U	19 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	16 U	17 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	28 U	30 U
HEXACHLOROBENZENE	NA	NA	NA	NA	2.2 U	2.3 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	28 U	30 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	28 U	30 U
HEXACHLOROETHANE	NA	NA	NA	NA	9.4 U	10 U
ISOPHORONE	NA	NA	NA	NA	14 U	14 U
NITROBENZENE	NA	NA	NA	NA	2.3 U	2.5 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	17 U	18 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	28 U	30 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	22 U	23 U
PENTACHLOROPHENOL	NA	NA	NA	NA	83 U	89 U
PHENOL	NA	NA	NA	NA	28 U	30 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	3.8 U	3.9 U	4 U	51 U	NA	NA
2-METHYLNAPHTHALENE	3.8 U	3.9 U	4 U	110	3.4 U	8.9
ACENAPHTHENE	3.8 U	3.9 U	4 U	1600	11	15
ACENAPHTHYLENE	3.8 U	3.9 U	4 U	51 U	12	12
ANTHRACENE	3.8 U	3.9 U	4 U	6000	26	29
BAP EQUIVALENT-HALFND	3.8 U	5.21015	4 U	8311	130	216
BAP EQUIVALENT-POS	3.8 U	0.9	4 U	8311	130	216
BENZO(A)ANTHRACENE	3.8 U	3.9 U	4 U	7000	86	140
BENZO(A)PYRENE	3.8 U	3.9 U	4 U	5600	77	140
BENZO(B)FLUORANTHENE	3.8 U	9 J	4 U	7300 J	110	190
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.8 U	3.9 U	4 U	2900	60	90
BENZO(K)FLUORANTHENE	3.8 U	3.9 U	4 U	2500	46	60
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	80 U	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	80 U	NA	NA	NA	NA
C1-FLUORENES	NA	80 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	80 U	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	80 U	NA	NA	NA	NA
C2-FLUORENES	NA	80 U	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-778	SB-779	SB-780	SB-781	SB-782	SB-783
SAMPLE ID	D-SS-778-01	D-SS-779-01	D-SS-780-01	D-SS-781-01	D-SS-782-01	D-SS-783-01
SAMPLE DATE	20100831	20100901	20100901	20100901	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	80 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	80 U	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	80 U	NA	NA	NA	NA
C3-FLUORENES	NA	80 U	NA	NA	NA	NA
C3-NAPHTHALENES	NA	80 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	80 U	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	80 U	NA	NA	NA	NA
C4-NAPHTHALENES	NA	80 U	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	80 U	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.3 U	6400	91	150
DIBENZO(A,H)ANTHRACENE	3.8 U	3.9 U	4 U	1000 J	28	35
FLUORANTHENE	3.8 U	9.9	15	19000	180	370
FLUORENE	3.8 U	3.9 U	4 U	2000	10	16
INDENO(1,2,3-CD)PYRENE	3.8 U	3.9 U	4 U	2500 J	49	75
NAPHTHALENE	3.8 U	3.9 U	4 U	51 U	3.4 U	11
PHENANTHRENE	3.8 U	3.9 U	17	17000	96	290
PYRENE	3.8 U	9.2	11	13000	150	320
TOTAL PAHS	0 U	28.1	43	93910	1032	1951.9
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	3.2 U	3.5 U
4,4'-DDE	NA	NA	NA	NA	2 U	7.8 J
4,4'-DDT	NA	NA	NA	NA	3.3 U	3.5 U
ALDRIN	NA	NA	NA	NA	6.2 U	6.7 U
ALPHA-BHC	NA	NA	NA	NA	3.8 U	4.1 U
ALPHA-CHLORDANE	NA	NA	NA	NA	4.9 U	5.2 U
AROCLOR-1016	NA	NA	NA	NA	22 U	23 U
AROCLOR-1221	NA	NA	NA	NA	17 U	18 U
AROCLOR-1232	NA	NA	NA	NA	15 U	16 U
AROCLOR-1242	NA	NA	NA	NA	14 U	14 U
AROCLOR-1248	NA	NA	NA	NA	18 U	19 U
AROCLOR-1254	NA	NA	NA	NA	18 U	19 U
AROCLOR-1260	NA	NA	NA	NA	18 U	19 U
BETA-BHC	NA	NA	NA	NA	5.7 U	9.1 J
DELTA-BHC	NA	NA	NA	NA	6.2 U	6.7 U
DIELDRIN	NA	NA	NA	NA	2.4 U	2.6 U
ENDOSULFAN I	NA	NA	NA	NA	2.7 U	2.9 U
ENDOSULFAN II	NA	NA	NA	NA	4.3 U	4.6 U
ENDOSULFAN SULFATE	NA	NA	NA	NA	4.5 U	4.8 U
ENDRIN	NA	NA	NA	NA	2.6 U	2.8 U
ENDRIN ALDEHYDE	NA	NA	NA	NA	5.2 U	5.6 U
ENDRIN KETONE	NA	NA	NA	NA	3.3 U	3.5 U
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	3.9 U	4.1 U
GAMMA-CHLORDANE	NA	NA	NA	NA	2.2 U	2.3 U
HEPTACHLOR	NA	NA	NA	NA	5.7 U	6.1 U
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	4.2 U	4.5 U
METHOXYCHLOR	NA	NA	NA	NA	7.8 U	8.4 U
TOTAL AROCLOR	NA	NA	NA	NA	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	99 U	110 U
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	0.15 J	0.25 B
ARSENIC	NA	NA	NA	NA	2.2 J	2.4 J
BARIUM	NA	NA	NA	NA	40.7	17.3

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-778	SB-779	SB-780	SB-781	SB-782	SB-783
SAMPLE ID	D-SS-778-01	D-SS-779-01	D-SS-780-01	D-SS-781-01	D-SS-782-01	D-SS-783-01
SAMPLE DATE	20100831	20100901	20100901	20100901	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	0.28	0.28
CADMIUM	NA	NA	NA	NA	0.24 K	0.11 K
CHROMIUM	NA	NA	NA	NA	9 J	9.1 J
COBALT	NA	NA	NA	NA	2 J	3.2 J
COPPER	NA	NA	NA	NA	6 J	9 J
IRON	NA	NA	NA	NA	7620 J	6110 J
LEAD	NA	NA	NA	NA	45.5	25.1
MANGANESE	NA	NA	NA	NA	102	30.8
MERCURY	NA	NA	NA	NA	0.08 J	0.077 J
MOLYBDENUM	NA	NA	NA	NA	0.45	0.38
NICKEL	NA	NA	NA	NA	5.1 J	5.2 J
SELENIUM	NA	NA	NA	NA	0.4 J	0.46 J
SILVER	NA	NA	NA	NA	0.099 J	0.097 J
THALLIUM	NA	NA	NA	NA	0.042 B	0.069 B
VANADIUM	NA	NA	NA	NA	14.2 J	15.7 J
ZINC	NA	NA	NA	NA	23.4 J	27.8 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	26000	18000 B
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	48 U	51 U
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	0.28 U	0.3 U

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-784	SB-785	SB-786	SB-787	SB-788	SB-789
SAMPLE ID	D-SS-784-01	D-SS-785-01	D-SS-786-01	D-SS-787-01	D-SB-788-SS	D-SB-789-SS
SAMPLE DATE	20100902	20100903	20100903	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.57 U	0.71 U	0.56 U	0.57 U	0.54 U	0.51 U
1,1,1-TRICHLOROETHANE	0.51 U	0.64 U	0.51 U	0.51 U	0.49 U	0.46 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.39 U	0.31 U	0.31 U	0.3 U	0.28 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.5 U	1.2 U	1.2 U	1.1 U	1.1 U
1,1-DICHLOROETHANE	0.33 U	0.41 U	0.33 U	0.33 U	0.31 U	0.3 U
1,1-DICHLOROETHENE	0.48 U	0.6 U	0.47 U	0.48 U	0.45 U	0.43 U
1,1-DICHLOROPROPENE	0.28 U	0.34 U	0.27 U	0.27 U	0.26 U	0.25 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.44 U	0.34 U	0.35 U	0.33 U	0.31 U
1,2,3-TRICHLOROPROPANE	0.83 U	1 U	0.81 U	0.82 U	0.79 U	0.74 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.2 U	0.15 U	0.16 U	0.15 U	0.14 U
1,2,4-TRICHLOROBENZENE	0.25 U	0.31 U	0.24 U	0.25 U	0.24 U	0.22 U
1,2,4-TRIMETHYLBENZENE	0.6 U	0.75 U	0.59 U	0.6 U	0.57 U	0.53 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.5 U	1.2 U	1.2 U	1.1 U	1.1 U
1,2-DIBROMOETHANE	0.46 U	0.57 U	0.45 U	0.46 U	0.44 U	0.41 U
1,2-DICHLOROBENZENE	0.33 U	0.41 U	0.33 U	0.33 U	0.31 U	0.3 U
1,2-DICHLOROETHANE	0.31 U	0.39 U	0.31 U	0.31 U	0.3 U	0.28 U
1,2-DICHLOROPROPANE	0.63 U	0.79 U	0.62 U	0.63 U	0.6 U	0.57 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.32 U	0.4 U	0.32 U	0.32 U	0.31 U	0.29 U
1,3-DICHLOROPROPANE	0.31 U	0.39 U	0.31 U	0.31 U	0.3 U	0.28 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.61 U	0.76 U	0.6 U	0.6 U	0.58 U	0.54 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.86 U	1.1 U	0.85 U	0.86 U	0.82 U	0.77 U
2-BUTANONE	1.3 U	1.6 U	2.1 B	2.8 B	1.6 J	6 J
2-CHLOROETHYL VINYL ETHER	1.3 U	1.6 U	1.3 U	1.3 U	1.2 U	1.2 U
2-CHLOROTOLUENE	0.37 U	0.46 U	0.36 U	0.37 U	0.35 U	0.33 U
2-HEXANONE	0.58 U	0.72 U	0.57 U	0.58 U	0.55 U	0.52 U
4-CHLOROTOLUENE	0.38 U	0.47 U	0.37 U	0.38 U	0.36 U	0.34 U
4-ISOPROPYLTOLUENE	0.19 U	0.24 U	0.19 U	0.19 U	0.18 U	0.17 U
4-METHYL-2-PENTANONE	0.5 U	0.62 U	0.49 U	0.49 U	0.47 U	0.44 U
ACETONE	5.8 U	18 B	21 B	17 B	440 J	210 B
BENZENE	0.21 U	0.26 U	0.72 J	0.21 U	0.2 U	0.19 U
BROMOBENZENE	0.3 U	0.38 U	0.3 U	0.3 U	0.29 U	0.27 U
BROMOCHLOROMETHANE	0.65 U	0.81 U	0.64 U	0.65 U	0.62 U	0.58 U
BROMODICHLOROMETHANE	0.26 U	0.32 U	0.25 U	0.26 U	0.24 U	0.23 U
BROMOFORM	0.3 U	0.38 U	0.3 U	0.3 U	0.29 U	0.27 U
BROMOMETHANE	0.5 U	0.62 U	0.49 U	0.49 U	0.47 U	0.44 U
CARBON DISULFIDE	0.4 U	0.5 U	2.2 B	1 B	0.65 J	0.82 J
CARBON TETRACHLORIDE	0.34 U	0.42 U	0.33 U	0.34 U	0.32 U	0.3 U
CHLOROBENZENE	0.3 U	0.38 U	0.3 U	0.3 U	0.29 U	0.27 U
CHLORODIBROMOMETHANE	0.5 U	0.63 U	0.5 U	0.5 U	0.48 U	0.45 U
CHLOROETHANE	0.79 U	0.99 U	0.78 U	0.79 U	0.75 U	0.71 U
CHLOROFORM	0.27 U	0.33 U	0.26 U	0.27 U	0.25 U	0.24 U
CHLOROMETHANE	0.38 U	0.47 U	0.37 U	0.38 U	0.36 U	0.34 U
CIS-1,2-DICHLOROETHENE	0.33 U	0.41 U	0.33 U	0.33 U	0.31 U	0.3 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.39 U	0.31 U	0.31 U	0.3 U	0.28 U
DIBROMOMETHANE	0.58 U	0.72 U	0.57 U	0.58 U	0.55 U	0.52 U
DICHLORODIFLUOROMETHANE	0.46 U	0.57 U	0.45 U	0.46 U	0.44 U	0.41 U
DIISOPROPYL ETHER	1.4 U	1.7 U	1.4 U	1.4 U	1.3 U	1.2 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.25 U	0.2 U	0.2 U	0.19 U	0.18 U
ETHYLBENZENE	0.24 U	0.3 U	0.23 U	0.24 U	0.23 U	0.21 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

LOCATION	SB-784	SB-785	SB-786	SB-787	SB-788	SB-789
SAMPLE ID	D-SS-784-01	D-SS-785-01	D-SS-786-01	D-SS-787-01	D-SB-788-SS	D-SB-789-SS
SAMPLE DATE	20100902	20100903	20100903	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1.1 U	1.4 U	1.1 U	1.1 U	1 U	0.99 U
ISOPROPYLBENZENE	0.15 U	0.18 U	0.14 U	0.15 U	0.14 U	0.13 U
M+P-XYLENES	1.1 U	1.4 U	1.1 U	1.1 U	1 U	0.99 U
METHYL TERT-BUTYL ETHER	0.39 U	0.49 U	0.39 U	0.39 U	0.38 UJ	0.35 UJ
METHYLENE CHLORIDE	0.61 U	1.5 B	3.9 B	2.8 B	0.59 U	0.55 U
NAPHTHALENE	0.17 U	1.1 B	2.2 B	1.7 B	0.17 U	0.16 U
N-BUTYLBENZENE	0.21 U	0.26 U	0.21 U	0.21 U	0.2 U	0.19 U
N-PROPYLBENZENE	0.37 U	0.46 U	0.36 U	0.37 U	0.35 U	0.33 U
O-XYLENE	0.32 U	0.4 U	0.32 U	0.32 U	0.31 U	0.29 U
SEC-BUTYLBENZENE	0.17 U	0.21 U	0.16 U	0.16 U	0.16 U	0.15 U
STYRENE	0.14 U	0.17 U	0.14 U	0.14 U	0.13 U	0.12 U
TERT-AMYL METHYL ETHER	0.34 U	0.42 U	0.33 U	0.34 U	0.32 U	0.3 U
TERT-BUTYLBENZENE	0.27 U	0.33 U	0.26 U	0.27 U	0.25 U	0.24 U
TERTIARY-BUTYL ALCOHOL	7 UR	61 B	49 B	48 B	6.6 UR	6.3 UR
TETRACHLOROETHENE	0.48 U	0.6 U	0.47 U	0.48 U	0.45 U	0.43 U
TOLUENE	0.25 U	0.31 U	0.24 U	0.25 U	0.24 U	0.22 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.61 U	0.77 U	0.61 U	0.61 U	0.59 U	0.55 U
TRANS-1,2-DICHLOROETHENE	0.38 U	0.47 U	0.37 U	0.38 U	0.36 U	0.34 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.62 U	0.49 U	0.49 U	0.47 U	0.44 U
TRICHLOROETHENE	0.39 U	0.48 U	0.38 U	0.38 U	0.37 U	0.35 U
TRICHLOROFLUOROMETHANE	0.31 U	0.39 U	0.31 U	0.31 U	0.3 U	0.28 U
VINYL ACETATE	0.23 U	0.29 U	0.23 U	0.23 U	0.22 U	0.21 U
VINYL CHLORIDE	0.36 U	0.45 U	0.35 U	0.36 U	0.34 U	0.32 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	30 U	29 UL	32 U	31 U	29 U	29 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	24 U	24 UL	26 U	26 U	23 U	24 U
2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	10 UL	11 U	11 U	10 U	10 U
2,4,5-TRICHLOROPHENOL	28 U	27 U	30 U	29 U	27 U	27 U
2,4,6-TRICHLOROPHENOL	88 U	87 U	95 U	93 U	85 U	85 U
2,4-DICHLOROPHENOL	22 U	22 U	24 U	23 U	21 U	21 U
2,4-DIMETHYLPHENOL	22 U	22 U	24 U	23 U	21 U	21 U
2,4-DINITROPHENOL	88 U	87 U	95 U	93 U	85 U	85 U
2,4-DINITROTOLUENE	30 U	29 UL	32 U	31 U	29 U	29 U
2,6-DINITROTOLUENE	23 U	23 UL	25 U	24 U	22 U	22 U
2-CHLORONAPHTHALENE	3.6 U	3.6 UL	3.9 U	3.8 U	3.5 U	3.5 U
2-CHLOROPHENOL	30 U	29 U	32 U	31 U	29 U	29 U
2-METHYLPHENOL	88 U	87 U	95 U	93 U	85 U	85 U
2-NITROANILINE	10 U	9.8 UL	11 U	11 U	9.7 U	9.7 U
2-NITROPHENOL	30 U	29 U	32 U	31 U	29 U	29 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	20 U	19 UL	21 U	21 U	19 U	19 U
3-NITROANILINE	18 U	17 UL	19 U	19 U	17 U	17 U
4,6-DINITRO-2-METHYLPHENOL	88 U	87 U	95 U	93 U	85 U	85 U
4-BROMOPHENYL PHENYL ETHER	14 U	14 UL	15 U	15 U	14 U	14 U
4-CHLORO-3-METHYLPHENOL	23 U	23 U	25 U	24 U	22 U	22 U
4-CHLOROANILINE	19 U	18 UL	20 U	20 U	18 U	18 U
4-CHLOROPHENYL PHENYL ETHER	14 U	14 UL	15 U	15 U	14 U	14 U
4-METHYLPHENOL	88 U	87 U	95 U	93 U	85 U	85 U
4-NITROANILINE	29 U	28 UL	31 U	30 U	28 U	28 U

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-784	SB-785	SB-786	SB-787	SB-788	SB-789
SAMPLE ID	D-SS-784-01	D-SS-785-01	D-SS-786-01	D-SS-787-01	D-SB-788-SS	D-SB-789-SS
SAMPLE DATE	20100902	20100903	20100903	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	88 U	87 U	95 U	93 U	85 U	85 U
ACETOPHENONE	10 U	10 UL	11 U	11 U	9.8 U	9.8 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	10 U	9.8 UL	11 U	11 U	9.7 U	9.7 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	13 U	13 UL	14 U	14 U	13 U	13 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	24 U	24 UL	26 U	26 U	23 U	24 U
BIS(2-CHLOROETHYL)ETHER	2.2 U	2.2 UL	2.4 U	2.3 U	2.1 U	2.1 U
BIS(2-ETHYLHEXYL)PHTHALATE	21 U	21 UL	23 U	22 U	20 J	20 U
BUTYL BENZYL PHTHALATE	11 U	11 UL	12 U	12 U	11 U	11 U
CAPROLACTAM	41 U	40 UL	44 U	43 U	39 U	40 U
CARBAZOLE	30 U	29 UL	62	31 U	29 U	29 U
DIBENZOFURAN	3.6 U	3.6 UL	34 J	3.8 U	11 J	3.5 U
DIETHYL PHTHALATE	18 U	17 UL	19 U	19 U	17 U	17 U
DIMETHYL PHTHALATE	19 U	18 UL	20 U	20 U	18 U	18 U
DI-N-BUTYL PHTHALATE	17 U	16 UL	18 U	17 U	16 U	16 U
DI-N-OCTYL PHTHALATE	30 U	29 UL	32 U	31 U	29 U	29 U
HEXACHLOROBENZENE	2.3 U	2.3 UL	2.5 U	2.4 U	2.2 U	2.2 U
HEXACHLOROBUTADIENE	30 U	29 UL	32 U	31 U	29 U	29 U
HEXACHLOROCYCLOPENTADIENE	30 U	29 UL	32 U	31 U	29 U	29 U
HEXACHLOROETHANE	9.9 U	9.7 UL	11 U	10 U	9.6 U	9.6 U
ISOPHORONE	14 U	14 UL	15 U	15 U	14 U	14 U
NITROBENZENE	2.4 U	2.4 UL	2.6 U	2.6 U	2.3 U	2.4 U
N-NITROSODIMETHYLAMINE	18 U	17 UL	19 U	19 U	17 U	17 U
N-NITROSO-DI-N-PROPYLAMINE	30 U	29 UL	32 U	31 U	29 U	29 U
N-NITROSODIPHENYLAMINE	23 U	23 UL	25 U	24 U	22 U	22 U
PENTACHLOROPHENOL	88 U	87 U	95 U	93 U	85 U	85 U
PHENOL	30 U	29 U	32 U	31 U	29 U	29 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.6 U	3.6 UL	27	3.8 U	10	3.5 U
ACENAPHTHENE	3.6 U	3.6 UL	100	11	16	3.5 U
ACENAPHTHYLENE	3.6 U	3.6 UL	10	3.8 U	3.5 U	3.5 U
ANTHRACENE	3.6 U	3.6 UL	190	20	20	3.5 U
BAP EQUIVALENT-HALFND	40	3.6 U	574	72.4	105	22.2
BAP EQUIVALENT-POS	39	3.6 U	574	72.4	105	20.3
BENZO(A)ANTHRACENE	27	3.6 UL	520	49	53	3.5 U
BENZO(A)PYRENE	30	3.6 UL	380	40	63	17
BENZO(B)FLUORANTHENE	40	3.6 UL	440	58	83	15
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	24	3.6 UL	210	26	36	3.5 U
BENZO(K)FLUORANTHENE	13	3.6 UL	220	22	29	3.5 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-784	SB-785	SB-786	SB-787	SB-788	SB-789
SAMPLE ID	D-SS-784-01	D-SS-785-01	D-SS-786-01	D-SS-787-01	D-SB-788-SS	D-SB-789-SS
SAMPLE DATE	20100902	20100903	20100903	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	32	1.2 UL	480	44	62	1.2 U
DIBENZO(A,H)ANTHRACENE	3.6 U	3.6 UL	76	19	24	3.5 U
FLUORANTHENE	60	3.6 UL	890	93	110	14
FLUORENE	3.6 U	3.6 UL	93	9.8	18	3.5 U
INDENO(1,2,3-CD)PYRENE	17	3.6 UL	190	24	45	18
NAPHTHALENE	3.6 U	3.6 UL	85	3.8 U	19	3.5 U
PHENANTHRENE	20	3.6 UL	630	53	87	3.5 U
PYRENE	65	3.6 UL	850	73	93	14
TOTAL PAHS	328	0 U	5391	541.8	768	78
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.68 UJ	6.7 U	15 U	0.72 U	1.3 UJ	0.66 UJ
4,4'-DDE	1.5 J	4.2 UJ	9.3 U	0.45 UJ	0.83 U	0.42 U
4,4'-DDT	0.7 U	6.8 U	15 U	0.73 U	1.3 UJ	0.67 U
ALDRIN	1.3 UJ	13 U	29 U	1.4 U	2.6 U	1.3 U
ALPHA-BHC	0.81 UJ	7.9 UJ	17 UJ	0.85 UJ	1.6 U	0.78 U
ALPHA-CHLORDANE	1 UJ	10 UJ	22 U	1.1 UJ	2 U	1 U
AROCLOR-1016	23 U	23 U	25 U	24 U	22 U	22 U
AROCLOR-1221	18 U	17 U	19 U	19 U	17 U	17 U
AROCLOR-1232	15 U	15 U	17 U	16 U	15 U	15 U
AROCLOR-1242	14 U	14 U	15 U	15 U	14 U	14 U
AROCLOR-1248	19 U	18 U	20 U	20 U	18 U	18 U
AROCLOR-1254	19 U	18 U	20 U	20 U	18 U	18 U
AROCLOR-1260	19 U	18 U	20 U	20 U	18 U	18 U
BETA-BHC	1.2 UJ	12 UJ	26 UJ	1.3 UJ	6.4 J	1.2 U
DELTA-BHC	1.3 UJ	13 UJ	29 U	1.4 UJ	2.6 U	1.3 U
DIELDRIN	0.52 UJ	5.1 UJ	11 U	0.54 UJ	1 U	0.5 U
ENDOSULFAN I	0.57 UJ	5.6 UJ	12 U	0.6 UJ	1.1 U	0.56 U
ENDOSULFAN II	0.91 UJ	8.9 U	19 U	0.95 U	1.7 U	0.88 U
ENDOSULFAN SULFATE	0.96 UJ	9.4 U	21 U	1 U	1.9 U	0.93 U
ENDRIN	0.55 UJ	5.4 UJ	12 U	0.58 UJ	1.1 UJ	0.53 UJ
ENDRIN ALDEHYDE	1.1 U	11 U	24 U	1.2 U	2.1 U	1.1 U
ENDRIN KETONE	0.7 U	6.8 U	15 U	0.73 U	1.3 U	0.67 U
GAMMA-BHC (LINDANE)	0.82 UJ	8 UJ	18 UJ	0.86 UJ	1.6 U	0.79 U
GAMMA-CHLORDANE	0.46 UJ	4.5 UJ	10 U	0.49 UJ	0.89 U	0.45 U
HEPTACHLOR	1.2 UJ	12 UJ	26 UJ	1.3 UJ	2.3 UJ	1.2 UJ
HEPTACHLOR EPOXIDE	0.88 UJ	8.7 UJ	19 UJ	0.93 UJ	1.7 U	0.85 U
METHOXYCHLOR	1.7 U	16 U	36 U	1.7 U	3.2 UJ	1.6 UJ
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	21 U	210 U	450 U	22 U	40 U	20 U
METALS (MG/KG)						
ANTIMONY	0.076 B	0.063 J	0.24 J	0.19 J	0.034 J	0.056 J
ARSENIC	2.8 J	1.6	6	5.3	0.95	1.7
BARIUM	17	4.1 J	37.1 J	30.7 J	6.8	17.3

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-784	SB-785	SB-786	SB-787	SB-788	SB-789
SAMPLE ID	D-SS-784-01	D-SS-785-01	D-SS-786-01	D-SS-787-01	D-SB-788-SS	D-SB-789-SS
SAMPLE DATE	20100902	20100903	20100903	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	0.19	0.065 J	2	1.9	0.087 J	0.2
CADMIUM	0.046 B	0.0084 UL	0.11 J	0.4 L	0.0083 UL	0.024 B
CHROMIUM	8.5 J	14.2	20.8	18.6	12.4	11.3
COBALT	6.4 J	0.65	8.9	27.5	1.5	1.8
COPPER	6.7 J	5.1 J	22.4 J	21.6 J	4.2 L	9.6 L
IRON	5100 J	6620 J	25400 J	21500 J	5460	4680
LEAD	16.4	1.1 J	26.5 J	21.4 J	2.2	7.8
MANGANESE	24.9	9.4 J	102 J	70.5 J	28.6	10.8
MERCURY	0.05 J	0.016 U	0.25 K	0.48 K	0.016 U	0.019 J
MOLYBDENUM	0.33	0.4	0.56	0.45	0.23	0.31
NICKEL	5.6 J	0.84 J	20.7 J	40.6 J	3.3	3.1
SELENIUM	0.51 J	0.25 J	3.1 L	2.3 L	0.16 J	0.58 J
SILVER	0.023 J	0.017 U	0.38	0.28 K	0.017 U	0.025 B
THALLIUM	0.07 B	0.014 UL	0.034 J	0.054 J	0.014 U	0.067 B
VANADIUM	15.1 J	18.7	34.2	29.2	12.1	17.4
ZINC	15.5 J	3.3 J	48.5 J	139 J	4.8 J	11.8 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	8600 J	9700 J	520000	59000	24000	9700 J
GASOLINE RANGE ORGANICS	51 U	50 U	71 J	53 U	49 U	49 U
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	1.3	0.52 J	0.32 U	0.31 U	0.53 J	0.57 J

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-791	SB-792	SB-793	SB-794	SB-795
SAMPLE ID	D-SB-790-SS	D-SB-791-SS	D-SB-792-SS	D-SB-793-SS	D-SB-794-SS	D-SB-795-SS
SAMPLE DATE	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.57 U	0.64 U	0.57 U	0.52 U	0.5 U	0.53 U
1,1,1-TRICHLOROETHANE	0.52 U	0.58 U	0.52 U	0.47 U	0.45 U	0.47 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.35 U	0.31 U	0.29 U	0.27 U	0.29 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.3 U	1.2 U	1.1 U	1 U	1.1 U
1,1-DICHLOROETHANE	0.33 U	0.37 U	0.33 U	0.3 U	0.29 U	0.3 U
1,1-DICHLOROETHENE	0.48 U	0.54 U	0.48 U	0.44 U	0.42 U	0.44 U
1,1-DICHLOROPROPENE	0.28 U	0.31 U	0.28 U	0.25 U	0.24 U	0.25 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.39 U	0.35 U	0.32 U	0.31 U	0.32 U
1,2,3-TRICHLOROPROPANE	0.83 U	0.93 U	0.83 U	0.76 U	0.72 U	0.76 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.18 U	0.16 U	0.14 U	0.14 U	0.14 U
1,2,4-TRICHLOROBENZENE	0.25 U	0.28 U	0.25 U	0.23 U	0.22 U	0.23 U
1,2,4-TRIMETHYLBENZENE	0.6 U	0.67 U	0.6 U	0.55 U	0.52 U	0.55 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.3 U	1.2 U	1.1 U	1 U	1.1 U
1,2-DIBROMOETHANE	0.46 U	0.52 U	0.46 U	0.42 U	0.4 U	0.42 U
1,2-DICHLOROBENZENE	0.33 U	0.37 U	0.33 U	0.3 U	0.29 U	0.3 U
1,2-DICHLOROETHANE	0.31 U	0.35 U	0.31 U	0.29 U	0.27 U	0.29 U
1,2-DICHLOROPROPANE	0.64 U	0.71 U	0.64 U	0.58 U	0.55 U	0.58 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.32 U	0.36 U	0.32 U	0.3 U	0.28 U	0.3 U
1,3-DICHLOROPROPANE	0.31 U	0.35 U	0.31 U	0.29 U	0.27 U	0.29 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.61 U	0.68 U	0.61 U	0.56 U	0.53 U	0.56 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.87 U	0.97 U	0.87 U	0.79 U	0.76 U	0.8 U
2-BUTANONE	1.3 U	1.7 J	7.6 J	12	1.1 U	17
2-CHLOROETHYL VINYL ETHER	1.3 U	1.5 U	1.3 U	1.2 U	1.1 U	1.2 U
2-CHLOROTOLUENE	0.37 U	0.41 U	0.37 U	0.34 U	0.32 U	0.34 U
2-HEXANONE	0.58 U	0.65 U	0.58 U	0.53 U	0.51 U	0.53 U
4-CHLOROTOLUENE	0.38 U	0.42 U	0.38 U	0.35 U	0.33 U	0.35 U
4-ISOPROPYLTOLUENE	0.19 U	0.22 U	0.19 U	0.18 U	0.17 U	0.18 U
4-METHYL-2-PENTANONE	0.5 U	0.56 U	0.5 U	0.46 U	0.43 U	0.46 U
ACETONE	110	14 B	43 B	130 B	21 B	96 B
BENZENE	0.21 U	0.24 U	0.21 U	0.19 U	0.18 U	0.19 U
BROMOBENZENE	0.3 U	0.34 U	0.31 U	0.28 U	0.27 U	0.28 U
BROMOCHLOROMETHANE	0.65 U	0.74 U	0.66 U	0.6 U	0.57 U	0.6 U
BROMODICHLOROMETHANE	0.26 U	0.29 U	0.26 U	0.24 U	0.23 U	0.24 U
BROMOFORM	0.3 U	0.34 U	0.31 U	0.28 U	0.27 U	0.28 U
BROMOMETHANE	0.5 U	0.56 U	0.5 U	0.46 U	0.43 U	0.46 U
CARBON DISULFIDE	0.41 U	0.65 J	1.4 B	1.7 B	1.1 B	1.9 B
CARBON TETRACHLORIDE	0.34 U	0.38 U	0.34 U	0.31 U	0.3 U	0.31 U
CHLOROBENZENE	0.3 U	0.34 U	0.31 U	0.28 U	0.27 U	0.28 U
CHLORODIBROMOMETHANE	0.51 U	0.57 U	0.51 U	0.47 U	0.44 U	0.47 U
CHLOROETHANE	0.79 U	0.89 U	0.8 U	0.73 U	0.69 U	0.73 U
CHLOROFORM	0.27 U	0.3 U	0.27 U	0.25 U	0.23 U	0.25 U
CHLOROMETHANE	0.38 U	0.42 U	0.38 U	0.35 U	0.33 U	0.35 U
CIS-1,2-DICHLOROETHENE	0.33 U	0.37 U	0.33 U	0.3 U	0.29 U	0.3 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.35 U	0.31 U	0.29 U	0.27 U	0.29 U
DIBROMOMETHANE	0.58 U	0.65 U	0.58 U	0.53 U	0.51 U	0.53 U
DICHLORODIFLUOROMETHANE	0.46 U	0.52 U	0.46 U	0.42 U	0.4 U	0.42 U
DIISOPROPYL ETHER	1.4 U	1.6 U	1.4 U	1.3 U	1.2 U	1.3 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.23 U	0.2 U	0.19 U	0.18 U	0.19 U
ETHYLBENZENE	0.24 U	0.27 U	0.24 U	0.22 U	0.21 U	0.22 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-791	SB-792	SB-793	SB-794	SB-795
SAMPLE ID	D-SB-790-SS	D-SB-791-SS	D-SB-792-SS	D-SB-793-SS	D-SB-794-SS	D-SB-795-SS
SAMPLE DATE	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1.1 U	1.2 U	1.1 U	1 U	0.96 U	1 U
ISOPROPYLBENZENE	0.15 U	0.17 U	0.15 U	0.14 U	0.13 U	0.14 U
M+P-XYLENES	1.1 U	1.2 U	1.1 U	1 U	0.96 U	1 U
METHYL TERT-BUTYL ETHER	0.4 U	0.45 U	0.4 UJ	0.36 UJ	0.35 UJ	0.36 UJ
METHYLENE CHLORIDE	0.62 U	0.69 U	0.72 B	1 B	0.54 U	2.1 B
NAPHTHALENE	0.18 U	0.2 U	0.85 B	2.2 B	0.15 U	0.78 B
N-BUTYLBENZENE	0.21 U	0.24 U	0.21 U	0.19 U	0.18 U	0.19 U
N-PROPYLBENZENE	0.37 U	0.41 U	0.37 U	0.34 U	0.32 U	0.34 U
O-XYLENE	0.32 U	0.36 U	0.32 U	0.3 U	0.28 U	0.3 U
SEC-BUTYLBENZENE	0.17 U	0.19 U	0.17 U	0.15 U	0.14 U	0.15 U
STYRENE	0.14 U	0.16 U	0.14 U	0.13 U	0.12 U	0.13 U
TERT-AMYL METHYL ETHER	0.34 U	0.38 U	0.34 U	0.31 U	0.3 UJ	0.31 UJ
TERT-BUTYLBENZENE	0.27 U	0.3 U	0.27 U	0.25 U	0.23 U	0.25 U
TERTIARY-BUTYL ALCOHOL	7 UR	7.9 UR	49 B	46 B	6.1 UR	46 B
TETRACHLOROETHENE	0.48 U	0.54 U	0.48 U	0.44 U	0.42 U	0.44 U
TOLUENE	0.25 U	0.28 U	0.38 J	0.23 U	0.22 U	0.23 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.62 U	0.69 U	0.62 U	0.57 U	0.54 U	0.57 U
TRANS-1,2-DICHLOROETHENE	0.38 U	0.42 U	0.38 U	0.35 U	0.33 U	0.35 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.56 U	0.5 U	0.46 U	0.43 U	0.46 U
TRICHLOROETHENE	0.39 U	0.44 U	0.39 U	0.36 U	0.34 U	0.36 U
TRICHLOROFLUOROMETHANE	0.31 U	0.35 U	0.31 U	0.29 U	0.85 J	0.29 U
VINYL ACETATE	0.23 U	0.26 U	0.23 U	0.21 U	0.2 U	0.21 U
VINYL CHLORIDE	0.36 U	0.4 U	0.36 U	0.33 U	0.31 U	0.33 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	29 U	29 U	29 U	31 U	42 U	31 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	24 U	23 U	24 U	25 U	34 U	25 U
2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	10 U	10 U	11 U	15 U	11 U
2,4,5-TRICHLOROPHENOL	27 U	26 U	27 U	29 U	39 U	29 U
2,4,6-TRICHLOROPHENOL	86 U	85 U	86 U	91 U	120 U	92 U
2,4-DICHLOROPHENOL	21 U	21 U	22 U	23 U	31 U	23 U
2,4-DIMETHYLPHENOL	21 U	21 U	22 U	23 U	31 U	23 U
2,4-DINITROPHENOL	86 U	85 U	86 U	91 U	120 U	92 U
2,4-DINITROTOLUENE	29 U	29 U	29 U	31 U	42 U	31 U
2,6-DINITROTOLUENE	23 U	22 U	23 U	24 U	33 U	24 U
2-CHLORONAPHTHALENE	3.5 U	3.5 U	3.6 U	3.8 U	5.1 U	3.8 U
2-CHLOROPHENOL	29 U	29 U	29 U	31 U	42 U	31 U
2-METHYLPHENOL	86 U	85 U	86 U	91 U	120 U	92 U
2-NITROANILINE	9.8 U	9.6 U	9.8 U	10 U	14 U	10 U
2-NITROPHENOL	29 U	29 U	29 U	31 U	42 U	31 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	19 U	19 U	19 U	21 U	28 U	21 U
3-NITROANILINE	17 U	17 U	17 U	18 U	25 U	18 U
4,6-DINITRO-2-METHYLPHENOL	86 U	85 U	86 U	91 U	120 U	92 U
4-BROMOPHENYL PHENYL ETHER	14 U	14 U	14 U	15 U	20 U	15 U
4-CHLORO-3-METHYLPHENOL	23 U	22 U	23 U	24 U	33 U	24 U
4-CHLOROANILINE	18 U	18 U	18 U	19 U	26 U	19 U
4-CHLOROPHENYL PHENYL ETHER	14 U	14 U	14 U	15 U	20 U	15 U
4-METHYLPHENOL	86 U	85 U	86 U	91 U	120 U	92 U
4-NITROANILINE	28 U	27 U	28 U	30 U	40 U	30 U

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-791	SB-792	SB-793	SB-794	SB-795
SAMPLE ID	D-SB-790-SS	D-SB-791-SS	D-SB-792-SS	D-SB-793-SS	D-SB-794-SS	D-SB-795-SS
SAMPLE DATE	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	86 U	85 U	86 U	91 U	120 U	92 U
ACETOPHENONE	9.9 U	9.7 U	9.9 U	11 U	14 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	9.8 U	9.6 U	9.8 U	10 U	14 U	10 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	13 U	13 U	13 U	14 U	19 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	24 U	23 U	24 U	25 U	34 U	25 U
BIS(2-CHLOROETHYL)ETHER	2.1 U	2.1 U	2.2 U	2.3 U	3.1 U	2.3 U
BIS(2-ETHYLHEXYL)PHTHALATE	20 U	20 U	20 U	22 U	29 U	22 U
BUTYL BENZYL PHTHALATE	11 U	11 U	11 U	11 U	15 U	11 U
CAPROLACTAM	40 U	39 U	40 U	42 U	57 U	42 U
CARBAZOLE	29 U	29 U	29 U	31 U	120	31 U
DIBENZOFURAN	3.5 U	3.5 U	3.6 U	3.8 U	110	3.8 U
DIETHYL PHTHALATE	17 U	17 U	17 U	18 U	25 U	18 U
DIMETHYL PHTHALATE	18 U	18 U	18 U	19 U	26 U	19 U
DI-N-BUTYL PHTHALATE	16 U	16 U	16 U	17 U	23 U	17 U
DI-N-OCTYL PHTHALATE	29 U	29 U	29 U	31 U	42 U	31 U
HEXACHLOROBENZENE	2.3 U	2.2 U	2.3 U	2.4 U	3.3 U	2.4 U
HEXACHLOROBUTADIENE	29 U	29 U	29 U	31 U	42 U	31 U
HEXACHLOROCYCLOPENTADIENE	29 U	29 U	29 U	31 U	42 U	31 U
HEXACHLOROETHANE	9.6 U	9.5 U	9.7 U	10 U	14 U	10 U
ISOPHORONE	14 U	14 U	14 U	15 U	20 U	15 U
NITROBENZENE	2.4 U	2.3 U	2.4 U	2.5 U	3.4 U	2.5 U
N-NITROSODIMETHYLAMINE	17 U	17 U	17 U	18 U	25 U	18 U
N-NITROSO-DI-N-PROPYLAMINE	29 U	29 U	29 U	31 U	42 U	31 U
N-NITROSODIPHENYLAMINE	23 U	22 U	23 U	24 U	33 U	24 U
PENTACHLOROPHENOL	86 U	85 U	86 U	91 U	120 U	92 U
PHENOL	29 U	29 U	29 U	31 U	42 U	31 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.5 U	3.5 U	3.6 U	3.8 U	69	3.8 U
ACENAPHTHENE	3.5 U	3.5 U	3.6 U	3.8 U	160	3.8 U
ACENAPHTHYLENE	3.5 U	3.5 U	3.6 U	3.8 U	5.1 U	3.8 U
ANTHRACENE	3.5 U	3.5 U	3.6 U	3.8 U	460	3.8 U
BAP EQUIVALENT-HALFND	18.5	3.5 U	4.2	16.8	714	38.9
BAP EQUIVALENT-POS	16.4	3.5 U	0.01	14.9	711	37.0
BENZO(A)ANTHRACENE	3.5 U	3.5 U	3.6 U	12	740	16
BENZO(A)PYRENE	15	3.5 U	3.6 U	11	540	29
BENZO(B)FLUORANTHENE	14	3.5 U	3.6 U	17	650	33
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.5 U	3.5 U	3.6 U	10	310	17
BENZO(K)FLUORANTHENE	3.5 U	3.5 U	3.6 U	11	370	13
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-790	SB-791	SB-792	SB-793	SB-794	SB-795
SAMPLE ID	D-SB-790-SS	D-SB-791-SS	D-SB-792-SS	D-SB-793-SS	D-SB-794-SS	D-SB-795-SS
SAMPLE DATE	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.2 U	1.2 U	7.2	15	640	26
DIBENZO(A,H)ANTHRACENE	3.5 U	3.5 U	3.6 U	3.8 U	5.1 U	3.8 U
FLUORANTHENE	8.5	8.4	8.4	20	1700	36
FLUORENE	3.5 U	3.5 U	3.6 U	3.8 U	210	3.8 U
INDENO(1,2,3-CD)PYRENE	3.5 U	3.5 U	3.6 U	8.7	280	29
NAPHTHALENE	3.5 U	3.5 U	3.6 U	3.8 U	82	3.8 U
PHENANTHRENE	3.5 U	3.5 U	3.6 U	12	1600	27
PYRENE	9.6	8.2	8	16	1200	37
TOTAL PAHS	47.1	16.6	23.6	132.7	9011	263
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.66 U	0.66 U	1.3 U	3.5 U	4 J	3.5 UJ
4,4'-DDE	0.42 U	0.41 U	0.84 U	2.2 U	7.1 J	2.2 UJ
4,4'-DDT	0.68 U	0.67 U	1.4 U	3.6 U	3.7 U	3.6 U
ALDRIN	1.3 U	1.3 U	2.6 U	6.9 U	7 U	6.9 UJ
ALPHA-BHC	0.78 U	0.77 U	1.6 U	4.2 UJ	4.3 UJ	4.2 UJ
ALPHA-CHLORDANE	1 U	0.99 U	2 U	5.4 U	5.5 U	5.4 UJ
AROCLOR-1016	23 U	22 U	23 U	24 U	24 U	24 U
AROCLOR-1221	17 U	17 U	17 U	18 U	19 U	18 U
AROCLOR-1232	15 U	15 U	15 U	16 U	16 U	16 U
AROCLOR-1242	14 U	14 U	14 U	15 U	15 U	15 U
AROCLOR-1248	18 U	18 U	18 U	19 U	20 U	19 U
AROCLOR-1254	18 U	18 U	18 U	19 U	20 U	19 U
AROCLOR-1260	18 U	18 U	18 U	19 U	20 J	19 U
BETA-BHC	1.2 U	1.2 U	2.4 U	6.3 U	6.4 U	6.3 UJ
DELTA-BHC	1.3 U	1.3 U	2.6 U	6.9 U	7 U	6.9 UJ
DIELDRIN	0.5 U	0.5 U	1 U	2.7 U	2.7 U	2.7 U
ENDOSULFAN I	0.56 U	0.55 U	1.1 U	3 U	3 U	3 U
ENDOSULFAN II	0.88 U	0.87 U	1.8 U	4.7 U	4.8 U	4.7 U
ENDOSULFAN SULFATE	0.93 U	0.92 U	1.9 U	5 U	5.1 U	5 U
ENDRIN	0.54 U	0.53 U	1.1 U	2.9 U	2.9 U	2.9 U
ENDRIN ALDEHYDE	1.1 U	1.1 U	2.2 U	5.7 U	5.8 U	5.7 U
ENDRIN KETONE	0.68 U	0.67 U	1.4 U	3.6 U	3.7 U	3.6 U
GAMMA-BHC (LINDANE)	0.79 UJ	0.78 U	1.6 U	4.2 U	4.3 U	4.2 UJ
GAMMA-CHLORDANE	0.45 U	0.44 U	0.9 U	2.4 U	2.4 U	2.4 UJ
HEPTACHLOR	1.2 U	1.2 UJ	2.4 UJ	6.3 UJ	6.4 U	6.3 U
HEPTACHLOR EPOXIDE	0.86 U	0.85 U	1.7 U	4.6 U	4.7 U	4.6 UJ
METHOXYCHLOR	1.6 UJ	1.6 UJ	3.2 UJ	8.6 UJ	8.7 U	8.6 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U	20	0 U
TOXAPHENE	20 U	20 U	41 U	110 U	110 U	110 U
METALS (MG/KG)						
ANTIMONY	0.026 U	0.025 UL	0.11 B	0.2 B	0.41 J	0.085 B
ARSENIC	0.71	0.72 L	2.3 L	4.5 L	4.3 J	2.6 J
BARIUM	3.7	3.9	23.6	27.4	54.4	12.6

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-791	SB-792	SB-793	SB-794	SB-795
SAMPLE ID	D-SB-790-SS	D-SB-791-SS	D-SB-792-SS	D-SB-793-SS	D-SB-794-SS	D-SB-795-SS
SAMPLE DATE	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	0.05 U	0.055 J	0.59 J	1.5 J	1.6 J	0.15 J
CADMIUM	0.0084 UL	0.0082 UL	0.081 B	0.094 B	0.27 B	0.011 B
CHROMIUM	8.2	8.6	11.6	21.6	16.2 J	26.2 J
COBALT	0.52	0.5	4	7.7	14.1 J	1.4 J
COPPER	2.9	3.2	9.4	21.5	33.6 J	4.5 J
IRON	3870	4450	9890	21500	20200 J	10200 J
LEAD	0.98	1.1	9.8	15.8	56.2	2
MANGANESE	14	9.4 J	124 J	39.3 J	183 J	15.6 J
MERCURY	0.016 U	0.016 U	0.17	0.069 J	1.7	0.091 J
MOLYBDENUM	0.14 J	0.14 B	0.5	0.45	0.52	0.26
NICKEL	0.64	0.76	7.7	15	21.3 J	2.7 J
SELENIUM	0.16 J	0.11 J	0.61 L	1.7 L	1.2 L	0.29 J
SILVER	0.017 U	0.017 U	0.18	0.24 K	1.4	0.018 U
THALLIUM	0.014 U	0.014 U	0.038 J	0.053 J	0.094 B	0.015 U
VANADIUM	10.9	12.2	16.6	43.3	25.8 J	19.4 J
ZINC	2.9	3.1 B	28.4	49	119 L	5.4 L
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	33000	11000	36000	40000	39000	34000
GASOLINE RANGE ORGANICS	49 U	49 U	49 U	53 U	54 U	53 UJ
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.8 J	0.54 J	0.32 J	0.62 J	0.31 U	0.31 U

LOCATION	**SB-796**
SAMPLE ID	**D-SB-796-SS**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SS**
TOP DEPTH	**0**
BOTTOM DEPTH	**1**
VOLATILES (UG/KG)	
1,1,1,2-TETRACHLOROETHANE	0.46 U
1,1,1-TRICHLOROETHANE	0.42 U
1,1,2,2-TETRACHLOROETHANE	0.25 U
1,1,2-TRICHLOROETHANE	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	0.96 U
1,1-DICHLOROETHANE	0.27 U
1,1-DICHLOROETHENE	0.39 U
1,1-DICHLOROPROPENE	0.22 U
1,2,3-TRICHLOROBENZENE	0.28 U
1,2,3-TRICHLOROPROPANE	0.67 U
1,2,3-TRIMETHYLBENZENE	0.13 U
1,2,4-TRICHLOROBENZENE	0.2 U
1,2,4-TRIMETHYLBENZENE	0.48 U
1,2-DIBROMO-3-CHLOROPROPANE	0.96 U
1,2-DIBROMOETHANE	0.37 U
1,2-DICHLOROBENZENE	0.27 U
1,2-DICHLOROETHANE	0.25 U
1,2-DICHLOROPROPANE	0.51 U
1,3,5-TRIMETHYLBENZENE	NA
1,3-DICHLOROBENZENE	0.26 U
1,3-DICHLOROPROPANE	0.25 U
1,3-DICHLOROPROPENE	NA
1,4-DICHLOROBENZENE	0.49 U
1,4-DIOXANE	NA
2,2-DICHLOROPROPANE	0.7 U
2-BUTANONE	2.2 J
2-CHLOROETHYL VINYL ETHER	1 U
2-CHLOROTOLUENE	0.3 U
2-HEXANONE	0.47 U
4-CHLOROTOLUENE	0.3 U
4-ISOPROPYLTOLUENE	0.16 U
4-METHYL-2-PENTANONE	0.4 U
ACETONE	17 B
BENZENE	0.17 U
BROMOBENZENE	0.24 U
BROMOCHLOROMETHANE	0.53 U
BROMODICHLOROMETHANE	0.21 U
BROMOFORM	0.24 U
BROMOMETHANE	0.4 U
CARBON DISULFIDE	0.73 B
CARBON TETRACHLORIDE	0.27 U
CHLOROBENZENE	0.24 U
CHLORODIBROMOMETHANE	0.41 U
CHLOROETHANE	0.64 U
CHLOROFORM	0.21 U
CHLOROMETHANE	0.3 U
CIS-1,2-DICHLOROETHENE	0.27 U
CIS-1,3-DICHLOROPROPENE	0.25 U
DIBROMOMETHANE	0.47 U
DICHLORODIFLUOROMETHANE	0.37 U
DIISOPROPYL ETHER	1.1 U
ETHYL TERT-BUTYL ETHER	0.16 U
ETHYLBENZENE	0.19 U
FLUORODICHLOROMETHANE	NA

LOCATION	**SB-796**
SAMPLE ID	**D-SB-796-SS**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SS**
TOP DEPTH	**0**
BOTTOM DEPTH	**1**
VOLATILES (CONTINUED) (UG/KG)	
HEXACHLOROBUTADIENE	0.89 U
ISOPROPYLBENZENE	0.12 U
M+P-XYLENES	0.89 U
METHYL TERT-BUTYL ETHER	0.32 UJ
METHYLENE CHLORIDE	0.82 B
NAPHTHALENE	0.71 B
N-BUTYLBENZENE	0.17 U
N-PROPYLBENZENE	0.3 U
O-XYLENE	0.26 U
SEC-BUTYLBENZENE	0.13 U
STYRENE	0.11 U
TERT-AMYL METHYL ETHER	0.27 U
TERT-BUTYLBENZENE	0.21 U
TERTIARY-BUTYL ALCOHOL	5.6 UR
TETRACHLOROETHENE	0.39 U
TOLUENE	0.2 U
TOTAL 1,2-DICHLOROETHENE	NA
TOTAL XYLENES	0.5 U
TRANS-1,2-DICHLOROETHENE	0.3 U
TRANS-1,3-DICHLOROPROPENE	0.4 U
TRICHLOROETHENE	0.31 U
TRICHLOROFLUOROMETHANE	0.25 U
VINYL ACETATE	0.19 U
VINYL CHLORIDE	0.29 U
SEMIVOLATILES (UG/KG)	
1,1-BIPHENYL	32 U
1,2,4-TRICHLOROBENZENE	NA
1,2-DICHLOROBENZENE	NA
1,3-DICHLOROBENZENE	NA
1,4-DICHLOROBENZENE	NA
1,4-DIOXANE	26 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U
2,4,5-TRICHLOROPHENOL	30 U
2,4,6-TRICHLOROPHENOL	96 U
2,4-DICHLOROPHENOL	24 U
2,4-DIMETHYLPHENOL	24 U
2,4-DINITROPHENOL	96 U
2,4-DINITROTOLUENE	32 U
2,6-DINITROTOLUENE	25 U
2-CHLORONAPHTHALENE	3.9 U
2-CHLOROPHENOL	32 U
2-METHYLPHENOL	96 U
2-NITROANILINE	11 U
2-NITROPHENOL	32 U
3&4-METHYLPHENOL	NA
3,3'-DICHLOROBENZIDINE	22 U
3-NITROANILINE	19 U
4,6-DINITRO-2-METHYLPHENOL	96 U
4-BROMOPHENYL PHENYL ETHER	16 U
4-CHLORO-3-METHYLPHENOL	25 U
4-CHLOROANILINE	20 U
4-CHLOROPHENYL PHENYL ETHER	16 U
4-METHYLPHENOL	96 U
4-NITROANILINE	31 U

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	**SB-796**
SAMPLE ID	**D-SB-796-SS**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SS**
TOP DEPTH	**0**
BOTTOM DEPTH	**1**
SEMIVOLATILES (CONTINUED) (UG/KG)	
4-NITROPHENOL	96 U
ACETOPHENONE	11 U
ANILINE	NA
ATRAZINE	11 U
AZOBENZENE	NA
BENZALDEHYDE	14 U
BENZIDINE	NA
BENZOIC ACID	NA
BENZYL ALCOHOL	NA
BIS(2-CHLOROETHOXY)METHANE	26 U
BIS(2-CHLOROETHYL)ETHER	2.4 U
BIS(2-ETHYLHEXYL)PHTHALATE	23 U
BUTYL BENZYL PHTHALATE	12 U
CAPROLACTAM	44 U
CARBAZOLE	32 U
DIBENZOFURAN	3.9 U
DIETHYL PHTHALATE	19 U
DIMETHYL PHTHALATE	20 U
DI-N-BUTYL PHTHALATE	18 U
DI-N-OCTYL PHTHALATE	32 U
HEXACHLOROBENZENE	2.5 U
HEXACHLOROBUTADIENE	32 U
HEXACHLOROCYCLOPENTADIENE	32 U
HEXACHLOROETHANE	11 U
ISOPHORONE	16 U
NITROBENZENE	2.6 U
N-NITROSODIMETHYLAMINE	19 U
N-NITROSO-DI-N-PROPYLAMINE	32 U
N-NITROSODIPHENYLAMINE	25 U
PENTACHLOROPHENOL	96 U
PHENOL	32 U
PYRIDINE	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)	
1-METHYLNAPHTHALENE	NA
2-METHYLNAPHTHALENE	10
ACENAPHTHENE	13
ACENAPHTHYLENE	3.9 U
ANTHRACENE	15
BAP EQUIVALENT-HALFND	79.2
BAP EQUIVALENT-POS	77.3
BENZO(A)ANTHRACENE	49
BENZO(A)PYRENE	60
BENZO(B)FLUORANTHENE	74
BENZO(B+K)FLUORANTHENE	NA
BENZO(G,H,I)PERYLENE	40
BENZO(K)FLUORANTHENE	31
C1-CHRYSENES	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA
C1-FLUORANTHENES/PYRENES	NA
C1-FLUORENES	NA
C1-PHENANTHRENES/ANTHRACENES	NA
C2-CHRYSENES	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA
C2-FLUORENES	NA

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	**SB-796**
SAMPLE ID	**D-SB-796-SS**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SS**
TOP DEPTH	**0**
BOTTOM DEPTH	**1**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI	
C2-NAPHTHALENES	NA
C2-PHENANTHRENES/ANTHRACENES	NA
C3-CHRYSENES	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA
C3-FLUORENES	NA
C3-NAPHTHALENES	NA
C3-PHENANTHRENES/ANTHRACENES	NA
C4-CHRYSENES	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA
C4-NAPHTHALENES	NA
C4-PHENANTHRENES/ANTHRACENES	NA
CHRYSENE	59
DIBENZO(A,H)ANTHRACENE	3.9 U
FLUORANTHENE	96
FLUORENE	12
INDENO(1,2,3-CD)PYRENE	46
NAPHTHALENE	18
PHENANTHRENE	60
PYRENE	81
TOTAL PAHS	664
PESTICIDES/PCBS (UG/KG)	
4,4'-DDD	0.74 U
4,4'-DDE	0.47 U
4,4'-DDT	0.75 U
ALDRIN	1.4 U
ALPHA-BHC	0.87 U
ALPHA-CHLORDANE	1.1 U
AROCLOR-1016	25 U
AROCLOR-1221	19 U
AROCLOR-1232	17 U
AROCLOR-1242	16 U
AROCLOR-1248	20 U
AROCLOR-1254	20 U
AROCLOR-1260	20 U
BETA-BHC	1.3 U
DELTA-BHC	1.4 U
DIELDRIN	0.56 U
ENDOSULFAN I	0.62 U
ENDOSULFAN II	0.98 U
ENDOSULFAN SULFATE	1 U
ENDRIN	0.6 U
ENDRIN ALDEHYDE	1.2 U
ENDRIN KETONE	0.75 U
GAMMA-BHC (LINDANE)	0.88 U
GAMMA-CHLORDANE	0.5 U
HEPTACHLOR	1.3 U
HEPTACHLOR EPOXIDE	0.96 U
METHOXYCHLOR	1.8 U
TOTAL AROCLOR	0 U
TOXAPHENE	23 U
METALS (MG/KG)	
ANTIMONY	0.37 J
ARSENIC	4.9
BARIUM	34.3

Table A-1
Summary of Analytical Results for Surface Soils, 0-2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	**SB-796**
SAMPLE ID	**D-SB-796-SS**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SS**
TOP DEPTH	**0**
BOTTOM DEPTH	**1**
METALS (CONTINUED) (MG/KG)	
BERYLLIUM	2.1
CADMIUM	0.053 J
CHROMIUM	19.3
COBALT	10.9
COPPER	26.6
IRON	22900
LEAD	29.8
MANGANESE	80.2
MERCURY	0.56
MOLYBDENUM	0.61
NICKEL	24.6
SELENIUM	2.2
SILVER	0.35
THALLIUM	0.078 U
VANADIUM	28.8
ZINC	46.1
PETROLEUM HYDROCARBONS (UG/KG)	
DIESEL RANGE ORGANICS	64000
GASOLINE RANGE ORGANICS	55 U
MISCELLANEOUS PARAMETERS (MG/KG)	
HEXAVALENT CHROMIUM	0.36 J

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-031	SB-032	SB-033	SB-057	SB-057
SAMPLE ID				SB-31A-SS	SB-32A-SS	SB-33A-SS	F-SB-57RE-1	F-SB-57RE-2
SAMPLE DATE				20040913	20040924	20040917	20090917	20090917
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SB	SB
TOP DEPTH				0	0	0	1	2
BOTTOM DEPTH				0	0	0	1	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	5 U	6 UL	5 U	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	5 U	6 UL	5 U	NA	NA
2-BUTANONE	4700000	2800000	N	55 U	55 UL	54 U	NA	NA
ACETONE	7000000	6100000	N	55 U	55 UL	54 U	NA	NA
BENZENE	12000	1100	C	5 U	6 UL	5 U	NA	NA
CARBON DISULFIDE	780000	82000	N	5 U	6 UL	5 U	NA	NA
ETHYLBENZENE	780000	5400	C	5 U	6 UL	5 U	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	11 U	11 UL	10 J	NA	NA
METHYLENE CHLORIDE	85000	11000	C	5 U	6 UL	8 J	NA	NA
NAPHTHALENE	160000	3600	C	5 U	6 UL	5 U	NA	NA
O-XYLENE	1600000 [4]	380000	N	5 U	6 UL	5 U	NA	NA
TOLUENE	630000	500000	N	5 U	6 UL	5 U	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	5 U	6 UL	5 U	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	370 U	3700 U	3600 U	NA	NA
CARBAZOLE	32000	NC		370 U	3700 U	3600 U	NA	NA
DIBENZOFURAN	7800	7800	N	370 U	3700 U	3600 U	NA	NA
DIMETHYL PHTHALATE	NC	NC		370 U	3700 U	3600 U	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	370 U	3700 U	3600 U	NA	NA
ACENAPHTHENE	470000	340000	N	370 U	3700 U	3600 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	370 U	3700 U	3600 U	NA	NA
ANTHRACENE	2300000	1700000	N	370 U	3700 U	3600 U	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	370 U	3700 U	3600 U	**20.4**	1.5 U
BAP EQUIVALENT-POS	22.0	15.0	C	370 U	3700 U	3600 U	**19.6**	1.5 U
BENZO(A)ANTHRACENE	220	150	C	370 U	3700 U	3600 U	13	1.1 U
BENZO(A)PYRENE	22	15	C	370 U	3700 U	3600 UJ	14	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	370 U	3700 U	3600 UJ	22	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	370 U	3700 U	3600 UJ	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	370 U	3700 U	3600 UJ	9.2	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	370 U	3700 U	3600 U	18	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	370 U	3700 U	3600 UJ	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	370 U	3700 U	3600 U	NA	NA
FLUORENE	310000	230000	N	370 U	3700 U	3600 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	370 U	3700 U	3600 UJ	20	1.7 U
NAPHTHALENE	160000	3600	C	370 U	3700 U	3600 U	NA	NA
PHENANTHRENE	2300000	170000	N[7]	370 U	3700 U	3600 U	NA	NA
PYRENE	230000	170000	N	37 J	3700 U	3600 U	NA	NA
TOTAL PAHS	NC	NC		37	0 U	0 U	96.2	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	270 U	270 U	270 U	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-031 SB-31A-SS 20040913 NORMAL SO NORMAL SS 0 0	SB-032 SB-32A-SS 20040924 NORMAL SO NORMAL SS 0 0	SB-033 SB-33A-SS 20040917 NORMAL SO NORMAL SS 0 0	SB-057 F-SB-57RE-1 20090917 NORMAL SO NORMAL SB 1 1	SB-057 F-SB-57RE-2 20090917 ORIG SO NORMAL SB 2 2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	2.6 UR	2.4 UL	2.4 UR	NA	NA
ARSENIC	0.43	0.39	C	**1.8 L**	0.48 U	**1 L**	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	2.6 U	2.4 U	2.4 UL	NA	NA
CADMIUM	3.9	7	N	2.6 UL	2.4 U	2.4 UL	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	7.9 L	14 J	7.1 K	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	7.4	15 J	34 L	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		2.8 J	13 K	12 L	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.11 UL	0.096 U	0.098 U	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	3.6 K	14 K	25	NA	NA
SELENIUM	39	39	N	2.6 UL	2.5	2.4 UL	NA	NA
SILVER	39	39	N	2.6 UR	2.4 UR	2.4 UR	NA	NA
THALLIUM	0.55	NC		2.1 UL	1.9 U	2 UL	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	26 UL	24 UL	24 U	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		11000 U	**1800000**	11000 U	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		110 U	1100	3200	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-057	SB-057	SB-057	SB-058	SB-058
SAMPLE ID				F-SB-57RE-2-AVG	F-SB-57RE-2-D	SB-57-SS	F-SB-58RE-1	F-SB-58RE-2
SAMPLE DATE				20090917	20090917	20040913	20090917	20090917
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB
TOP DEPTH				2	2	0	1	2
BOTTOM DEPTH				2	2	0	1	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	7 U	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	7 U	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	67 U	NA	NA
ACETONE	7000000	6100000	N	NA	NA	67 U	NA	NA
BENZENE	12000	1100	C	NA	NA	7 U	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	7 U	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	7 U	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	13 U	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	7 U	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	7 U	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	7 U	NA	NA
TOLUENE	630000	500000	N	NA	NA	7 U	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	7 U	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	450 U	NA	NA
CARBAZOLE	32000	NC		NA	NA	450 U	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	450 U	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	450 U	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	450 U	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	450 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	450 U	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	450 U	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	1.5 U	1.5 U	**520**	**715**	**8596**
BAP EQUIVALENT-POS	22.0	15.0	C	1.5 U	1.5 U	0.06	**714**	**8591**
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	450 U	**380**	**5200**
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	450 U	**560**	**6900**
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	450 U	**780**	**7400**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	450 U	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	1.9 U	450 U	290	**3600**
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	1 U	60 J	530	4600
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	450 U	1.7 U	11 U
FLUORANTHENE	310000	230000	N	NA	NA	98 J	NA	NA
FLUORENE	310000	230000	N	NA	NA	450 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	450 U	**350**	**3900**
NAPHTHALENE	160000	3600	C	NA	NA	450 U	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	54 J	NA	NA
PYRENE	230000	170000	N	NA	NA	94 J	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	306	2890	31600
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	53 U	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	53 U	NA	NA
AROCLOR-1260	320	220	C	NA	NA	330 U	NA	NA
BETA-BHC	350	270	C	NA	NA	53 U	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	0 U	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-057	SB-057	SB-057	SB-058	SB-058
SAMPLE ID				F-SB-57RE-2-AVG	F-SB-57RE-2-D	SB-57-SS	F-SB-58RE-1	F-SB-58RE-2
SAMPLE DATE				20090917	20090917	20040913	20090917	20090917
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB
TOP DEPTH				2	2	0	1	2
BOTTOM DEPTH				2	2	0	1	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	3.1 UR	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	**2.2 L**	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	3.1 U	NA	NA
CADMIUM	3.9	7	N	NA	NA	3.1 UL	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	11 L	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	7.5	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	8.6 J	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	0.13 UL	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	7.4	NA	NA
SELENIUM	39	39	N	NA	NA	3.1 UL	NA	NA
SILVER	39	39	N	NA	NA	3.1 UR	NA	NA
THALLIUM	0.55	NC		NA	NA	2.5 UL	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	31 UL	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	14000 U	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	130 U	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058	SB-058A	SB-058A	SB-058A	SB-058B
SAMPLE ID				SB-58-SS	F-SB-58REA-2	F-SB-58REA-2-AVG	F-SB-58REA-2-D	F-SB-58REB-2
SAMPLE DATE				20040913	20091103	20091103	20091103	20091103
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SB	SB	SB
TOP DEPTH				0	2	2	2	2
BOTTOM DEPTH				0	2	2	2	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	5 U	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	5 U	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	53 U	NA	NA	NA	NA
ACETONE	7000000	6100000	N	53 U	NA	NA	NA	NA
BENZENE	12000	1100	C	5 U	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	5 U	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	5 U	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	11 U	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	5 U	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	5 U	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	5 U	NA	NA	NA	NA
TOLUENE	630000	500000	N	5 U	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	5 U	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	3600 U	NA	NA	NA	NA
CARBAZOLE	32000	NC		3600 U	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	3600 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		2000 J	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	3600 U	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	3600 U	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	3600 U	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	3600 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	3600 U	**33.9**	**121**	**209**	**3019**
BAP EQUIVALENT-POS	22.0	15.0	C	3600 U	**33.2**	**121**	**209**	**3019**
BENZO(A)ANTHRACENE	220	150	C	3600 U	23 J	71.5	120 J	**1700**
BENZO(A)PYRENE	22	15	C	3600 U	**23 J**	**76.5**	**130 J**	**2000**
BENZO(B)FLUORANTHENE	220	150	C	3600 U	56 J	123	**190 J**	**2300**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3600 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	3600 U	16 J	37	58 J	740
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	3600 U	37 J	78.5	120 J	1700
DIBENZO(A,H)ANTHRACENE	22	15	C	3600 U	1.5 UJ	**19.875**	**39 J**	**480**
FLUORANTHENE	310000	230000	N	630 J	NA	NA	NA	NA
FLUORENE	310000	230000	N	3600 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	3600 U	21 J	51	81 J	**1300**
NAPHTHALENE	160000	3600	C	3600 U	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	3600 U	NA	NA	NA	NA
PYRENE	230000	170000	N	540 J	NA	NA	NA	NA
TOTAL PAHS	NC	NC		1170	176	457	738	10220
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	42 U	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	42 U	NA	NA	NA	NA
AROCLOR-1260	320	220	C	260 U	NA	NA	NA	NA
BETA-BHC	350	270	C	42 U	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-058** **SB-58-SS** **20040913** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-058A** **F-SB-58REA-2** **20091103** **ORIG** **SO** **NORMAL** **SB** **2** **2**	**SB-058A** **F-SB-58REA-2-AVG** **20091103** **AVG** **SO** **NORMAL** **SB** **2** **2**	**SB-058A** **F-SB-58REA-2-D** **20091103** **DUP** **SO** **NORMAL** **SB** **2** **2**	**SB-058B** **F-SB-58REB-2** **20091103** **NORMAL** **SO** **NORMAL** **SB** **2** **2**
METALS (MG/KG)									
ANTIMONY	3.1	3.1	N	2.6 UR	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	**1.5 L**	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	2.6 U	NA	NA	NA	NA
CADMIUM	3.9	7	N	2.6 UL	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	24 L	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	9.4	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		41 J	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.1 UL	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	8.4	NA	NA	NA	NA
SELENIUM	39	39	N	2.6 UL	NA	NA	NA	NA
SILVER	39	39	N	2.6 UR	NA	NA	NA	NA
THALLIUM	0.55	NC		2.1 UL	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	43 J	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		100000 L	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		110 U	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058C F-SB-58REC-2 20091103 NORMAL SO NORMAL SB 2 2	SB-058D F-SB-58RED-2 20091103 NORMAL SO NORMAL SB 2 2	SB-059 SB-59-SS 20040923 NORMAL SO NORMAL SS 0 0	SB-060 D-SB-60RE-1 20090915 NORMAL SO NORMAL SB 1 1	SB-060 D-SB-60RE-2 20090915 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	5 U	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	5 U	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	52 U	NA	NA
ACETONE	7000000	6100000	N	NA	NA	52 U	NA	NA
BENZENE	12000	1100	C	NA	NA	5 U	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	5 U	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	5 U	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	10 U	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	7 J	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	5 U	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	5 U	NA	NA
TOLUENE	630000	500000	N	NA	NA	5 U	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	5 U	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	3500 U	NA	NA
CARBAZOLE	32000	NC		NA	NA	3500 U	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	3500 U	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	3500 U	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	3500 U	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	3500 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	3500 U	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	3500 U	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**6424**	**131**	3500 U	**22517**	**46.1**
BAP EQUIVALENT-POS	22.0	15.0	C	**6424**	**131**	3500 U	**22517**	**45.3**
BENZO(A)ANTHRACENE	220	150	C	**4300**	55	3500 U	**23000**	42
BENZO(A)PYRENE	22	15	C	**4300**	**79**	3500 U	**16000**	**35**
BENZO(B)FLUORANTHENE	220	150	C	**5800**	110	3500 U	**16000**	42
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	3500 U	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	**2000**	28	3500 U	**6300**	20
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	3900	58	3500 U	**24000**	43
DIBENZO(A,H)ANTHRACENE	22	15	C	**850**	**29**	3500 U	**1900**	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	3500 U	NA	NA
FLUORENE	310000	230000	N	NA	NA	3500 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**2400**	58	3500 U	**6300**	17
NAPHTHALENE	160000	3600	C	NA	NA	3500 U	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	3500 U	NA	NA
PYRENE	230000	170000	N	NA	NA	3500 U	NA	NA
TOTAL PAHS	NC	NC		23550	417	0 U	93500	199
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	260 U	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	0 U	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058C	SB-058D	SB-059	SB-060	SB-060
SAMPLE ID				F-SB-58REC-2	F-SB-58RED-2	SB-59-SS	D-SB-60RE-1	D-SB-60RE-2
SAMPLE DATE				20091103	20091103	20040923	20090915	20090915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB
TOP DEPTH				2	2	0	1	2
BOTTOM DEPTH				2	2	0	1	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	2.5 UL	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	**1.7**	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	2.5 U	NA	NA
CADMIUM	3.9	7	N	NA	NA	2.5 U	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	9.4 J	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	4.8	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	5.1	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	0.099 U	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	5.6	NA	NA
SELENIUM	39	39	N	NA	NA	2.5 U	NA	NA
SILVER	39	39	N	NA	NA	2.5 UR	NA	NA
THALLIUM	0.55	NC		NA	NA	2 U	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	25 UL	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	21000	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	1400	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060 SB-60-SS 20040924 NORMAL SO NORMAL SS 0 0	SB-060A D-SB-60REA-1 20091012 NORMAL SO NORMAL SB 1 1	SB-060B D-SB-60REB-1 20091013 NORMAL SO NORMAL SB 1 1	SB-060C D-SB-60REC-1 20091013 NORMAL SO NORMAL SB 1 1	SB-060D D-SB-60RED-1 20091013 NORMAL SO NORMAL SB 1 1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 UL	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	6 UL	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	56 UL	NA	NA	NA	NA
ACETONE	7000000	6100000	N	56 UL	NA	NA	NA	NA
BENZENE	12000	1100	C	6 UL	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 UL	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 UL	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	11 UL	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	6 UL	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 UL	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 UL	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 UL	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	6 UL	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	3800 U	NA	NA	NA	NA
CARBAZOLE	32000	NC		3800 U	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	3800 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		3800 U	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	3800 U	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	3800 U	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	3800 U	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	3800 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**4243**	**17997**	**23.7**	**646**	**9774**
BAP EQUIVALENT-POS	22.0	15.0	C	**43.7**	**17997**	**22.9**	**646**	**9774**
BENZO(A)ANTHRACENE	220	150	C	**430 J**	**15000**	16	**490**	**8600**
BENZO(A)PYRENE	22	15	C	3800 U	**13000**	**18**	**450**	**6900**
BENZO(B)FLUORANTHENE	220	150	C	3800 U	**12000**	20	**560**	**7200**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3800 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	3800 U	**4300**	9.5	210	**2600**
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	650 J	14000	18	440	8400
DIBENZO(A,H)ANTHRACENE	22	15	C	3800 U	**1700**	1.6 U	**66**	**940**
FLUORANTHENE	310000	230000	N	980 J	NA	NA	NA	NA
FLUORENE	310000	230000	N	3800 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	3800 U	**5400**	12	**220**	**3200**
NAPHTHALENE	160000	3600	C	3800 U	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	610 J	NA	NA	NA	NA
PYRENE	230000	170000	N	1800 J	NA	NA	NA	NA
TOTAL PAHS	NC	NC		4470	65400	93.5	2436	37840
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	280 U	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060	SB-060A	SB-060B	SB-060C	SB-060D
SAMPLE ID				SB-60-SS	D-SB-60REA-1	D-SB-60REB-1	D-SB-60REC-1	D-SB-60RED-1
SAMPLE DATE				20040924	20091012	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SB	SB	SB
TOP DEPTH				0	1	1	1	1
BOTTOM DEPTH				0	1	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	2.7 UL	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	**0.62 K**	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	2.7 U	NA	NA	NA	NA
CADMIUM	3.9	7	N	2.7 U	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	13 J	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	20 J	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		22 K	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.11 U	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	16 K	NA	NA	NA	NA
SELENIUM	39	39	N	2.7 U	NA	NA	NA	NA
SILVER	39	39	N	2.7 UR	NA	NA	NA	NA
THALLIUM	0.55	NC		2.2 U	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	29 L	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		**660000 K**	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		590	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-061 D-SB-61RE-1 20090916 NORMAL SO NORMAL SB 1 1**	**SB-061 D-SB-61RE-2 20090916 ORIG SO NORMAL SB 2 2**	**SB-061 D-SB-61RE-2-AVG 20090916 AVG SO NORMAL SB 2 2**	**SB-061 D-SB-61RE-2-D 20090916 DUP SO NORMAL SB 2 2**	**SB-061 SB-61-SS 20040924 NORMAL SO NORMAL SS 0 0**
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	6 UL
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	6 UL
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	62 UL
ACETONE	7000000	6100000	N	NA	NA	NA	NA	62 UL
BENZENE	12000	1100	C	NA	NA	NA	NA	6 UL
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	6 UL
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	6 UL
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	12 UL
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	6 UL
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	6 UL
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	6 UL
TOLUENE	630000	500000	N	NA	NA	NA	NA	6 UL
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	6 UL
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	4200 U
CARBAZOLE	32000	NC		NA	NA	NA	NA	4200 U
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	4200 U
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	4200 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	4200 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	4200 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	4200 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	4200 U
BAP EQUIVALENT-HALFND	22.0	15.0	C	**17.3**	1.6 U	5.91	11.01	4200 U
BAP EQUIVALENT-POS	22.0	15.0	C	**16.5**	1.6 U	5.46	10.11	4200 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	4200 U
BENZO(A)PYRENE	22	15	C	13	1.6 UJ	5	9.2 J	4200 U
BENZO(B)FLUORANTHENE	220	150	C	14	1.5 UJ	4.925	9.1 J	4200 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	4200 U
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.1 U	2.05 U	2 U	4200 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.05 U	1 U	4200 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.55 U	1.5 U	4200 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	4200 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	4200 U
INDENO(1,2,3-CD)PYRENE	220	150	C	21	1.8 U	1.75 U	1.7 U	4200 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	4200 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	4200 U
PYRENE	230000	170000	N	NA	NA	NA	NA	510 J
TOTAL PAHS	NC	NC		48	0 U	9.15	18.3	510
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	310 U
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	0 U

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID				D-SB-61RE-1	D-SB-61RE-2	D-SB-61RE-2-AVG	D-SB-61RE-2-D	SB-61-SS
SAMPLE DATE				20090916	20090916	20090916	20090916	20040924
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SS
TOP DEPTH				1	2	2	2	0
BOTTOM DEPTH				1	2	2	2	0
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	2.8 UL
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	0.56 U
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	2.8 U
CADMIUM	3.9	7	N	NA	NA	NA	NA	2.8 U
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	18 J
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	7.5 J
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	23 K
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	0.11 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	8.1 K
SELENIUM	39	39	N	NA	NA	NA	NA	2.8 U
SILVER	39	39	N	NA	NA	NA	NA	2.8 UR
THALLIUM	0.55	NC		NA	NA	NA	NA	2.2 U
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	38 L
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	16000
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	400
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061A	SB-061B	SB-061C	SB-061D	SB-062
SAMPLE ID				D-SB-61REA-1	D-SB-61REB-1	D-SB-61REC-1	D-SB-61RED-1	D-SB-62RE-1
SAMPLE DATE				20091012	20091012	20091012	20091012	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1
BOTTOM DEPTH				1	1	1	1	1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**153**	**23.0**	**386**	**81.5**	**6418**
BAP EQUIVALENT-POS	22.0	15.0	C	**153**	**22.2**	**386**	**81.5**	**6410**
BENZO(A)ANTHRACENE	220	150	C	110	8.3	**240**	59	**2900**
BENZO(A)PYRENE	22	15	C	**110**	**18**	**270**	**54**	**5200**
BENZO(B)FLUORANTHENE	220	150	C	130	22	**350**	70	**5500**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	55	2 U	110	26	**2600**
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	110	13	270	64	3500
DIBENZO(A,H)ANTHRACENE	22	15	C	13	1.5 U	**40**	11	16 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	52	12	**160**	33	**3400**
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		580	73.3	1440	317	23100
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061A	SB-061B	SB-061C	SB-061D	SB-062
SAMPLE ID				D-SB-61REA-1	D-SB-61REB-1	D-SB-61REC-1	D-SB-61RED-1	D-SB-62RE-1
SAMPLE DATE				20091012	20091012	20091012	20091012	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1
BOTTOM DEPTH				1	1	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062	SB-062	SB-062A	SB-062B	SB-062C
SAMPLE ID				D-SB-62RE-2	SB-62-SS	D-SB-62REA-1	D-SB-62REB-1	D-SB-62REC-1
SAMPLE DATE				20090914	20040923	20091015	20091015	20091015
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SB	SB	SB
TOP DEPTH				2	0	1	1	1
BOTTOM DEPTH				2	0	1	1	1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	6 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	6 U	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	55 U	NA	NA	NA
ACETONE	7000000	6100000	N	NA	55 U	NA	NA	NA
BENZENE	12000	1100	C	NA	6 U	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	6 U	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	6 U	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	11 U	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	8 J	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	6 U	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	6 U	NA	NA	NA
TOLUENE	630000	500000	N	NA	6 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	6 U	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	3700 U	NA	NA	NA
CARBAZOLE	32000	NC		NA	3700 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	3700 U	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	3700 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	3700 U	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	3700 U	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	950 J	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	3700 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**1065**	**7569**	**44.9**	**548**	**2595**
BAP EQUIVALENT-POS	22.0	15.0	C	**1065**	**7569**	**44.1**	**546**	**2578**
BENZO(A)ANTHRACENE	220	150	C	**850**	**2300 J**	28	**330**	**1300**
BENZO(A)PYRENE	22	15	C	**730**	**5200**	**35**	**440**	**2100**
BENZO(B)FLUORANTHENE	220	150	C	**880**	**3000 J**	39	**430**	**2000**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	5400	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	380	**4600**	13	160	650
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	730	3400 J	15	330	1000
DIBENZO(A,H)ANTHRACENE	22	15	C	**120**	**1400 J**	1.5 U	3.6 U	35 U
FLUORANTHENE	310000	230000	N	NA	2100 J	NA	NA	NA
FLUORENE	310000	230000	N	NA	3700 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**370**	**3900**	23	**280**	**1400**
NAPHTHALENE	160000	3600	C	NA	3700 U	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	410 J	NA	NA	NA
PYRENE	230000	170000	N	NA	6200	NA	NA	NA
TOTAL PAHS	NC	NC		4060	38860	153	1970	8450
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	270 U	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062	SB-062	SB-062A	SB-062B	SB-062C
SAMPLE ID				D-SB-62RE-2	SB-62-SS	D-SB-62REA-1	D-SB-62REB-1	D-SB-62REC-1
SAMPLE DATE				20090914	20040923	20091015	20091015	20091015
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SB	SB	SB
TOP DEPTH				2	0	1	1	1
BOTTOM DEPTH				2	0	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	2.5 UL	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	**0.62**	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	2.5 U	NA	NA	NA
CADMIUM	3.9	7	N	NA	2.5 U	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	13 J	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	4.1	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	23	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	0.1 U	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	10	NA	NA	NA
SELENIUM	39	39	N	NA	3.5	NA	NA	NA
SILVER	39	39	N	NA	2.5 UR	NA	NA	NA
THALLIUM	0.55	NC		NA	2 U	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	34 J	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	12000	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	110 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062D	SB-063	SB-063	SB-063	SB-063
SAMPLE ID				D-SB-62RED-1	D-SB-63RE-1	D-SB-63RE-2	D-SB-63RE-2-AVG	D-SB-63RE-2-D
SAMPLE DATE				20091014	20090915	20090915	20090915	20090915
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				1	1	2	2	2
BOTTOM DEPTH				1	1	2	2	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**16660**	**138**	**106**	**66.7**	**27.2**
BAP EQUIVALENT-POS	22.0	15.0	C	**16660**	**138**	**106**	**66.3**	**26.4**
BENZO(A)ANTHRACENE	220	150	C	**8100**	70	54 J	35.5	17 J
BENZO(A)PYRENE	22	15	C	**12000**	**99**	**76 J**	**48.5**	**21 J**
BENZO(B)FLUORANTHENE	220	150	C	**11000**	110	85 J	54.5	24 J
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	**4100**	41	30 J	19.45	8.9 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	9300	84	72 J	46	20 J
DIBENZO(A,H)ANTHRACENE	22	15	C	**2000**	15	12 J	6.375	1.5 UJ
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**7000**	55	40 J	26	12 J
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		53500	474	369	235.95	102.9
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062D	SB-063	SB-063	SB-063	SB-063
SAMPLE ID				D-SB-62RED-1	D-SB-63RE-1	D-SB-63RE-2	D-SB-63RE-2-AVG	D-SB-63RE-2-D
SAMPLE DATE				20091014	20090915	20090915	20090915	20090915
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				1	1	2	2	2
BOTTOM DEPTH				1	1	2	2	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-063	SB-063A	SB-063B	SB-063C	SB-063D
SAMPLE ID				SB-63-SS	D-SB-63REA-2	D-SB-63REB-2	D-SB-63REC-2	D-SB-63RED-2
SAMPLE DATE				20040924	20091013	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SB	SB	SB
TOP DEPTH				0	2	2	2	2
BOTTOM DEPTH				0	2	2	2	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	7 UL	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	7 UL	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	72 UL	NA	NA	NA	NA
ACETONE	7000000	6100000	N	72 UL	NA	NA	NA	NA
BENZENE	12000	1100	C	7 UL	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	7 UL	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	7 UL	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	14 UL	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	7 UL	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	7 UL	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	7 UL	NA	NA	NA	NA
TOLUENE	630000	500000	N	7 UL	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	7 UL	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	4800 U	NA	NA	NA	NA
CARBAZOLE	32000	NC		4800 U	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	4800 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		4800 U	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	4800 U	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	4800 U	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	4800 U	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	4800 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**5545**	**17.4**	1.5 U	2.74	1.6 U
BAP EQUIVALENT-POS	22.0	15.0	C	0.53	**16.6**	1.5 U	0.98	1.6 U
BENZO(A)ANTHRACENE	220	150	C	4800 U	17	1.1 U	1.2 U	1.2 U
BENZO(A)PYRENE	22	15	C	4800 U	13	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	4800 U	18	1.4 U	9.7	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4800 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	4800 U	8.2	2 U	2.1 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	530 J	17	1.1 U	14	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4800 U	1.5 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	4800 U	NA	NA	NA	NA
FLUORENE	310000	230000	N	4800 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	4800 U	1.8 U	1.8 U	1.8 U	1.9 U
NAPHTHALENE	160000	3600	C	4800 U	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	4800 U	NA	NA	NA	NA
PYRENE	230000	170000	N	740 J	NA	NA	NA	NA
TOTAL PAHS	NC	NC		1270	73.2	0 U	23.7	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	350 U	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-063	SB-063A	SB-063B	SB-063C	SB-063D
SAMPLE ID				SB-63-SS	D-SB-63REA-2	D-SB-63REB-2	D-SB-63REC-2	D-SB-63RED-2
SAMPLE DATE				20040924	20091013	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SB	SB	SB
TOP DEPTH				0	2	2	2	2
BOTTOM DEPTH				0	2	2	2	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	3.3 UL	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	**0.94 K**	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	3.5	NA	NA	NA	NA
CADMIUM	3.9	7	N	3.3 U	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	25 J	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	12 J	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		36 K	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.13 U	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	13 K	NA	NA	NA	NA
SELENIUM	39	39	N	3.3 U	NA	NA	NA	NA
SILVER	39	39	N	3.3 UR	NA	NA	NA	NA
THALLIUM	0.55	NC		2.6 U	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	71 L	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		110000	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		140 U	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-064	SB-065	SB-065	SB-065	SB-066
SAMPLE ID				SB-64-SS	D-SB-65RE-1	D-SB-65RE-2	SB-65-SS	D-SB-66RE-1
SAMPLE DATE				20040924	20090916	20090916	20040917	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SB	SS	SB
TOP DEPTH				0	1	2	0	1
BOTTOM DEPTH				0	1	2	0	1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 UL	NA	NA	5 U	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	6 UL	NA	NA	5 U	NA
2-BUTANONE	4700000	2800000	N	65 UL	NA	NA	53 U	NA
ACETONE	7000000	6100000	N	65 UL	NA	NA	53 U	NA
BENZENE	12000	1100	C	6 UL	NA	NA	5 U	NA
CARBON DISULFIDE	780000	82000	N	6 UL	NA	NA	5 U	NA
ETHYLBENZENE	780000	5400	C	6 UL	NA	NA	5 U	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	13 UL	NA	NA	11 U	NA
METHYLENE CHLORIDE	85000	11000	C	6 UL	NA	NA	7 J	NA
NAPHTHALENE	160000	3600	C	6 UL	NA	NA	5 U	NA
O-XYLENE	1600000 [4]	380000	N	6 UL	NA	NA	5 U	NA
TOLUENE	630000	500000	N	6 UL	NA	NA	5 U	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	6 UL	NA	NA	5 U	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	4400 U	NA	NA	3600 U	NA
CARBAZOLE	32000	NC		4400 U	NA	NA	3600 U	NA
DIBENZOFURAN	7800	7800	N	4400 U	NA	NA	3600 U	NA
DIMETHYL PHTHALATE	NC	NC		4400 U	NA	NA	3600 U	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	4400 U	NA	NA	3600 U	NA
ACENAPHTHENE	470000	340000	N	4400 U	NA	NA	3600 U	NA
ACENAPHTHYLENE	470000	340000	N[6]	450 J	NA	NA	3600 U	NA
ANTHRACENE	2300000	1700000	N	4400 U	NA	NA	3600 U	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**4207**	1.4 U	**18.5**	3600 U	**52.7**
BAP EQUIVALENT-POS	22.0	15.0	C	**2007**	1.4 U	**17.8**	3600 U	**51.9**
BENZO(A)ANTHRACENE	220	150	C	**1300 J**	1 U	13	3600 U	58
BENZO(A)PYRENE	22	15	C	**1600 J**	1.4 U	13	3600 UJ	**40**
BENZO(B)FLUORANTHENE	220	150	C	**1400 J**	1.3 U	24	3600 UJ	38
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	1900 J	NA	NA	3600 UJ	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1500 J	1.8 U	9.4	3600 UJ	24
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1700 J	0.96 U	22	3600 U	61
DIBENZO(A,H)ANTHRACENE	22	15	C	4400 U	1.4 U	1.5 U	3600 UJ	1.5 U
FLUORANTHENE	310000	230000	N	2100 J	NA	NA	3600 U	NA
FLUORENE	310000	230000	N	4400 U	NA	NA	3600 U	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**1200 J**	1.6 U	9.4	3600 UJ	20
NAPHTHALENE	160000	3600	C	4400 U	NA	NA	3600 U	NA
PHENANTHRENE	2300000	170000	N[7]	4400 U	NA	NA	3600 U	NA
PYRENE	230000	170000	N	3600 J	NA	NA	3600 U	NA
TOTAL PAHS	NC	NC		16750	0 U	90.8	0 U	241
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	320 U	NA	NA	270 U	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	NA	NA	0 U	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-064	SB-065	SB-065	SB-065	SB-066
SAMPLE ID				SB-64-SS	D-SB-65RE-1	D-SB-65RE-2	SB-65-SS	D-SB-66RE-1
SAMPLE DATE				20040924	20090916	20090916	20040917	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SB	SS	SB
TOP DEPTH				0	1	2	0	1
BOTTOM DEPTH				0	1	2	0	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	3 UL	NA	NA	2.6 UR	NA
ARSENIC	0.43	0.39	C	**0.73 K**	NA	NA	**0.54 L**	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	3.5	NA	NA	2.6 UL	NA
CADMIUM	3.9	7	N	3 U	NA	NA	2.6 UL	NA
CHROMIUM	12000 [10]	12000	N[10]	18 J	NA	NA	3.1 K	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	9.7 J	NA	NA	2.6 UL	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		75 K	NA	NA	2.8 L	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.12 U	NA	NA	0.11 U	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	15 K	NA	NA	9.6	NA
SELENIUM	39	39	N	3.5	NA	NA	2.6 UL	NA
SILVER	39	39	N	3 UR	NA	NA	2.6 UR	NA
THALLIUM	0.55	NC		2.4 U	NA	NA	2.1 UL	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	55 L	NA	NA	26 U	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		**330000**	NA	NA	11000 U	NA
GASOLINE RANGE ORGANICS	230000	NC		140 U	NA	NA	250	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066	SB-066	SB-066A	SB-066B	SB-066C
SAMPLE ID				D-SB-66RE-2	SB-66-SS	D-SB-66REA-2	D-SB-66REB-2	D-SB-66REC-2
SAMPLE DATE				20090914	20040923	20091014	20091014	20091014
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SB	SB	SB
TOP DEPTH				2	0	2	2	2
BOTTOM DEPTH				2	0	2	2	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	33	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	23	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	59 U	NA	NA	NA
ACETONE	7000000	6100000	N	NA	59 U	NA	NA	NA
BENZENE	12000	1100	C	NA	6 U	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	6 U	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	8	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	10 J	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	10 J	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	260	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	23	NA	NA	NA
TOLUENE	630000	500000	N	NA	6 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	6 U	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	4000 U	NA	NA	NA
CARBAZOLE	32000	NC		NA	4000 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	4000 U	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	4000 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	990 J	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	4000 U	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	4000 U	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	4000 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**1461**	**4621**	**17.4**	2.6	**38.0**
BAP EQUIVALENT-POS	22.0	15.0	C	**1461**	0.64	**16.6**	0.9	**37.3**
BENZO(A)ANTHRACENE	220	150	C	**1300**	4000 U	16	1.1 U	30
BENZO(A)PYRENE	22	15	C	**1000**	4000 U	12	1.5 U	**29**
BENZO(B)FLUORANTHENE	220	150	C	**1000**	4000 U	18	9.4	36
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	4000 U	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	450	4000 U	11	2 U	14
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1300	640 J	1.1 U	1.1 U	21
DIBENZO(A,H)ANTHRACENE	22	15	C	**170**	4000 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	730 J	NA	NA	NA
FLUORENE	310000	230000	N	NA	610 J	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**550**	4000 U	11	1.8 U	15
NAPHTHALENE	160000	3600	C	NA	690 J	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	1700 J	NA	NA	NA
PYRENE	230000	170000	N	NA	1200 J	NA	NA	NA
TOTAL PAHS	NC	NC		5770	6560	68	9.4	145
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	300 U	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066	SB-066	SB-066A	SB-066B	SB-066C
SAMPLE ID				D-SB-66RE-2	SB-66-SS	D-SB-66REA-2	D-SB-66REB-2	D-SB-66REC-2
SAMPLE DATE				20090914	20040923	20091014	20091014	20091014
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SB	SB	SB
TOP DEPTH				2	0	2	2	2
BOTTOM DEPTH				2	0	2	2	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	2.8 UL	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	**4.9**	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	2.8 U	NA	NA	NA
CADMIUM	3.9	7	N	NA	2.8 U	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	36 J	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	22	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	14	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	0.11 U	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	8.6	NA	NA	NA
SELENIUM	39	39	N	NA	2.8 U	NA	NA	NA
SILVER	39	39	N	NA	2.8 UR	NA	NA	NA
THALLIUM	0.55	NC		NA	2.2 U	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	28 UL	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	12000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	4800	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066D	SB-067	SB-239	SB-239	SB-239
SAMPLE ID				D-SB-66RED-2	SB-67-SS	D-SB-239RE-2	D-SB-239RE-2-AVG	D-SB-239RE-2-D
SAMPLE DATE				20091014	20040927	20090914	20090914	20090914
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SB	SB	SB
TOP DEPTH				2	0	2	2	2
BOTTOM DEPTH				2	0	2	2	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	5 UL	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	5 UL	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	53 UL	NA	NA	NA
ACETONE	7000000	6100000	N	NA	53 UL	NA	NA	NA
BENZENE	12000	1100	C	NA	5 UL	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	5 UL	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	5 UL	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	11 UL	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	5 UL	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	5 UL	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	5 UL	NA	NA	NA
TOLUENE	630000	500000	N	NA	5 UL	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	5 UL	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	3500 U	NA	NA	NA
CARBAZOLE	32000	NC		NA	3500 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	3500 U	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	3500 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	3500 U	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	470 J	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	1600 J	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	1300 J	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	1.5 U	**9391**	**297**	**158**	**18.7**
BAP EQUIVALENT-POS	22.0	15.0	C	1.5 U	**9391**	**297**	**157**	**18.0**
BENZO(A)ANTHRACENE	220	150	C	1.1 U	**5700 J**	**230 J**	120.5	11 J
BENZO(A)PYRENE	22	15	C	1.5 U	**5800 J**	**200 J**	**107**	14 J
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	**5300 J**	**290 J**	**155**	20 J
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	6900 J	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	**4400 J**	100 J	50.5	2 UJ
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	7300 J	210 J	112	14 J
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	**2000 J**	**34 J**	**17.375**	1.5 UJ
FLUORANTHENE	310000	230000	N	NA	8700	NA	NA	NA
FLUORENE	310000	230000	N	NA	1100 J	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	**4400 J**	98 J	53.35	8.7 J
NAPHTHALENE	160000	3600	C	NA	3500 U	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	9000	NA	NA	NA
PYRENE	230000	170000	N	NA	20000 J	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	83970	1162	614.85	67.7
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	260 U	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-066D D-SB-66RED-2 20091014 NORMAL SO NORMAL SB 2 2**	**SB-067 SB-67-SS 20040927 NORMAL SO NORMAL SS 0 0**	**SB-239 D-SB-239RE-2 20090914 ORIG SO NORMAL SB 2 2**	**SB-239 D-SB-239RE-2-AVG 20090914 AVG SO NORMAL SB 2 2**	**SB-239 D-SB-239RE-2-D 20090914 DUP SO NORMAL SB 2 2**
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	3 J	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	**1.1**	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	4.6	NA	NA	NA
CADMIUM	3.9	7	N	NA	2.6 U	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	21 J	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	9.8 J	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	56 K	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	0.11 U	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	15 K	NA	NA	NA
SELENIUM	39	39	N	NA	4.4	NA	NA	NA
SILVER	39	39	N	NA	2.6 UR	NA	NA	NA
THALLIUM	0.55	NC		NA	2.1 U	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	71	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	11000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	110 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-239	SB-239	SB-239	SB-240	SB-240
SAMPLE ID				SB-239-SS[12]	SB-239-SS[18]	SB-239-SS[6]	D-SB-240RE-1	D-SB-240RE-2
SAMPLE DATE				20050607	20050607	20050607	20090914	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB
TOP DEPTH				1	1.5	0.5	1	2
BOTTOM DEPTH				1	1.5	0.5	1	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	205	32 J	163 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	187	375	69 J	NA	NA
ANTHRACENE	2300000	1700000	N	136 J	102 J	163 U	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**340**	**537**	**130**	**2378**	1.5 U
BAP EQUIVALENT-POS	22.0	15.0	C	**340**	**537**	**130**	**2378**	1.5 U
BENZO(A)ANTHRACENE	220	150	C	**157 J**	**217**	49 J	**1300**	1.1 U
BENZO(A)PYRENE	22	15	C	**229**	**368**	**79 J**	**1600**	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	**151 J**	**237**	43 J	**2000**	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	263	448	83 J	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	176	245	61 J	590	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	187	264	55 J	1600	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	**60 J**	**90 J**	**34 J**	**330**	1.5 U
FLUORANTHENE	310000	230000	N	307	303	54 J	NA	NA
FLUORENE	310000	230000	N	192	28 J	163 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**187**	**312**	67 J	**1100**	1.8 U
NAPHTHALENE	160000	3600	C	49 J	34 J	163 U	NA	NA
PHENANTHRENE	2300000	170000	N[7]	539	115 J	163 U	NA	NA
PYRENE	230000	170000	N	383	534	105 J	NA	NA
TOTAL PAHS	NC	NC		3408	3704	699	8520	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-239	SB-239	SB-239	SB-240	SB-240
SAMPLE ID				SB-239-SS[12]	SB-239-SS[18]	SB-239-SS[6]	D-SB-240RE-1	D-SB-240RE-2
SAMPLE DATE				20050607	20050607	20050607	20090914	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB
TOP DEPTH				1	1.5	0.5	1	2
BOTTOM DEPTH				1	1.5	0.5	1	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240 SB-240-SS[12] 20050607 NORMAL SO NORMAL SB 1 1	SB-240 SB-240-SS[18] 20050607 NORMAL SO NORMAL SB 1.5 1.5	SB-240 SB-240-SS[6] 20050607 NORMAL SO NORMAL SS 0.5 0.5	SB-240A D-SB-240REA-1 20091014 NORMAL SO NORMAL SB 1 1	SB-240B D-SB-240REB-1 20091013 NORMAL SO NORMAL SB 1 1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	163 U	164 U	159 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	68 J	94 J	52 J	NA	NA
ANTHRACENE	2300000	1700000	N	28 J	164 U	165	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**165**	**175**	**152**	**372**	**13461**
BAP EQUIVALENT-POS	22.0	15.0	C	**82.5**	**175**	**72.3**	**372**	**13461**
BENZO(A)ANTHRACENE	220	150	C	44 J	71 J	43 J	**180**	**11000**
BENZO(A)PYRENE	22	15	C	**67 J**	**130 J**	**58 J**	**270**	**9300**
BENZO(B)FLUORANTHENE	220	150	C	51 J	81 J	48 J	**280**	**11000**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	78 J	120 J	63 J	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	163 U	111 J	52 J	75	**4000**
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	55 J	94 J	48 J	260	11000
DIBENZO(A,H)ANTHRACENE	22	15	C	163 U	**20 J**	159 U	**39**	**1400**
FLUORANTHENE	310000	230000	N	52 J	86 J	347	NA	NA
FLUORENE	310000	230000	N	163 U	164 U	80 J	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	59 J	89 J	46 J	**160**	**5100**
NAPHTHALENE	160000	3600	C	163 U	164 U	159 U	NA	NA
PHENANTHRENE	2300000	170000	N[7]	90 J	34 J	186	NA	NA
PYRENE	230000	170000	N	109 J	212	267	NA	NA
TOTAL PAHS	NC	NC		701	1142	1455	1264	52800
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240	SB-240	SB-240	SB-240A	SB-240B
SAMPLE ID				SB-240-SS[12]	SB-240-SS[18]	SB-240-SS[6]	D-SB-240REA-1	D-SB-240REB-1
SAMPLE DATE				20050607	20050607	20050607	20091014	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB
TOP DEPTH				1	1.5	0.5	1	1
BOTTOM DEPTH				1	1.5	0.5	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240C	SB-240D	SB-241	SB-241	SB-241
SAMPLE ID				D-SB-240REC-1	D-SB-240RED-1	SB-241-SS[12]	SB-241-SS[18]	SB-241-SS[6]
SAMPLE DATE				20091013	20091013	20050607	20050607	20050607
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SS
TOP DEPTH				1	1	1	1.5	0.5
BOTTOM DEPTH				1	1	1	1.5	0.5
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	43 J	68 J	48 J
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	157 U	156 U	151 U
ANTHRACENE	2300000	1700000	N	NA	NA	47 J	59 J	37 J
BAP EQUIVALENT-HALFND	22.0	15.0	C	**44.0**	**44.7**	**156**	**135**	**165**
BAP EQUIVALENT-POS	22.0	15.0	C	**43.3**	**44.0**	**77.1**	**135**	**89.1**
BENZO(A)ANTHRACENE	220	150	C	24	22	65 J	59 J	76 J
BENZO(A)PYRENE	22	15	C	**34**	**35**	**60 J**	**73 J**	**70 J**
BENZO(B)FLUORANTHENE	220	150	C	43	41	54 J	53 J	56 J
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	51 J	60 J	57 J
BENZO(K)FLUORANTHENE	2200	1500	C	14	15	47 J	67 J	64 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	29	33	62 J	64 J	83 J
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	157 U	**44 J**	151 U
FLUORANTHENE	310000	230000	N	NA	NA	131 J	153 J	149 J
FLUORENE	310000	230000	N	NA	NA	55 J	84 J	151 U
INDENO(1,2,3-CD)PYRENE	220	150	C	24	25	47 J	65 J	52 J
NAPHTHALENE	160000	3600	C	NA	NA	70 J	51 J	88 J
PHENANTHRENE	2300000	170000	N[7]	NA	NA	218	305	126 J
PYRENE	230000	170000	N	NA	NA	105 J	134 J	123 J
TOTAL PAHS	NC	NC		168	171	1055	1339	1029
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240C	SB-240D	SB-241	SB-241	SB-241
SAMPLE ID				D-SB-240REC-1	D-SB-240RED-1	SB-241-SS[12]	SB-241-SS[18]	SB-241-SS[6]
SAMPLE DATE				20091013	20091013	20050607	20050607	20050607
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SS
TOP DEPTH				1	1	1	1.5	0.5
BOTTOM DEPTH				1	1	1	1.5	0.5
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-242 SB-242-SS[12] 20050607 NORMAL SO NORMAL SB 1 1	SB-242 SB-242-SS[18] 20050607 NORMAL SO NORMAL SB 1.5 1.5	SB-242 SB-242-SS[6] 20050607 NORMAL SO NORMAL SS 0.5 0.5	SB-243 D-SB-243RE-1 20090915 NORMAL SO NORMAL SB 1 1	SB-243 D-SB-243RE-2 20090915 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	164 U	161 U	162 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	34 J	161 U	162 U	NA	NA
ANTHRACENE	2300000	1700000	N	164 U	161 U	162 U	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**153**	161 U	**181**	**3300**	**20.4**
BAP EQUIVALENT-POS	22.0	15.0	C	**61.9**	161 U	**100**	**3300**	**19.6**
BENZO(A)ANTHRACENE	220	150	C	63 J	161 U	91 J	**1600**	11
BENZO(A)PYRENE	22	15	C	**52 J**	161 U	**79 J**	**2400**	**16**
BENZO(B)FLUORANTHENE	220	150	C	164 U	161 U	70 J	**2400**	15
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	43 J	161 U	52 J	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	164 U	161 U	72 J	760	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	76 J	161 U	101 J	1900	13
DIBENZO(A,H)ANTHRACENE	22	15	C	164 U	161 U	162 U	**330**	1.6 U
FLUORANTHENE	310000	230000	N	139 J	161 U	180	NA	NA
FLUORENE	310000	230000	N	164 U	161 U	162 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	35 J	161 U	42 J	**1600**	9.5
NAPHTHALENE	160000	3600	C	62 J	161 U	384	NA	NA
PHENANTHRENE	2300000	170000	N[7]	252	161 U	158 J	NA	NA
PYRENE	230000	170000	N	167	161 U	163	NA	NA
TOTAL PAHS	NC	NC		923	0 U	1392	10990	64.5
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-242	SB-242	SB-242	SB-243	SB-243
SAMPLE ID				SB-242-SS[12]	SB-242-SS[18]	SB-242-SS[6]	D-SB-243RE-1	D-SB-243RE-2
SAMPLE DATE				20050607	20050607	20050607	20090915	20090915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB
TOP DEPTH				1	1.5	0.5	1	2
BOTTOM DEPTH				1	1.5	0.5	1	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID				SB-243-SS[12]	SB-243-SS[18]	SB-243-SS[6]	D-SB-243REA-2	D-SB-243REB-2
SAMPLE DATE				20050607	20050607	20050607	20091012	20091012
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB
TOP DEPTH				1	1.5	0.5	2	2
BOTTOM DEPTH				1	1.5	0.5	2	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	160 U	166 U	162 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	98 J	60 J	162 U	NA	NA
ANTHRACENE	2300000	1700000	N	41 J	166 U	25 J	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**243**	**174**	**166**	**134**	1.6 U
BAP EQUIVALENT-POS	22.0	15.0	C	**163**	**90.9**	**84.8**	**134**	1.6 U
BENZO(A)ANTHRACENE	220	150	C	96 J	50 J	68 J	110	1.2 U
BENZO(A)PYRENE	22	15	C	**132 J**	**75 J**	**68 J**	**91**	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	108 J	45 J	47 J	110	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	118 J	80 J	58 J	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	97 J	55 J	65 J	51	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	143 J	63 J	69 J	98	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	160 U	166 U	162 U	**16**	1.6 U
FLUORANTHENE	310000	230000	N	183	71 J	140 J	NA	NA
FLUORENE	310000	230000	N	160 U	166 U	162 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	94 J	58 J	46 J	47	1.8 U
NAPHTHALENE	160000	3600	C	40 J	39 J	37 J	NA	NA
PHENANTHRENE	2300000	170000	N[7]	80 J	53 J	49 J	NA	NA
PYRENE	230000	170000	N	287	128 J	133 J	NA	NA
TOTAL PAHS	NC	NC		1517	777	805	523	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID				SB-243-SS[12]	SB-243-SS[18]	SB-243-SS[6]	D-SB-243REA-2	D-SB-243REB-2
SAMPLE DATE				20050607	20050607	20050607	20091012	20091012
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB
TOP DEPTH				1	1.5	0.5	2	2
BOTTOM DEPTH				1	1.5	0.5	2	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243C	SB-243D	SB-592	SB-592A	SB-592B
SAMPLE ID				D-SB-243REC-2	D-SB-243RED-2	D-SB-592-2	D-SB-592A-2	D-SB-592B-2
SAMPLE DATE				20091012	20091012	20090914	20091015	20091016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	2	2	2	2
BOTTOM DEPTH				2	2	2	2	2
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	14.5	**16.0**	**36.7**	7.1	**31.5**
BAP EQUIVALENT-POS	22.0	15.0	C	13.6	**15.2**	**35.9**	0.1	**30.7**
BENZO(A)ANTHRACENE	220	150	C	14	10	20	4.5 U	15
BENZO(A)PYRENE	22	15	C	11	12	**29**	6.1 U	**25**
BENZO(B)FLUORANTHENE	220	150	C	12	13	30	5.7 U	24
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.1 U	13	8 U	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	14	10	28	52	23
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.6 U	6.1 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	8.9	17	7.1 U	17
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		51	53.9	137	52	115
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243C	SB-243D	SB-592	SB-592A	SB-592B
SAMPLE ID				D-SB-243REC-2	D-SB-243RED-2	D-SB-592-2	D-SB-592A-2	D-SB-592B-2
SAMPLE DATE				20091012	20091012	20090914	20091015	20091016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	2	2	2	2
BOTTOM DEPTH				2	2	2	2	2
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-592D** **D-SB-592D-2** **20091016** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-593** **D-SB-593-2** **20090914** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-594** **D-SB-594-2** **20090914** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-595** **D-SB-595-2** **20090914** **NORMAL** **SO** **NORMAL** **SB** **2** **2**
VOLATILES (UG/KG)							
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22.0	15.0	C	**52.9**	**32.5**	**92.3**	**85.4**
BAP EQUIVALENT-POS	22.0	15.0	C	**52.1**	**31.7**	**92.3**	**84.6**
BENZO(A)ANTHRACENE	220	150	C	23	25	54	59
BENZO(A)PYRENE	22	15	C	**43**	**25**	**64**	**67**
BENZO(B)FLUORANTHENE	220	150	C	39	26	82	77
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	14	12	27	28
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
CHRYSENE	22000	15000	C	33	24	61	56
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	11	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	27	15	34	37
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA
TOTAL PAHS	NC	NC		179	127	333	324
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	2700	2000	C	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-592D** **D-SB-592D-2** **20091016** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-593** **D-SB-593-2** **20090914** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-594** **D-SB-594-2** **20090914** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-595** **D-SB-595-2** **20090914** **NORMAL** **SO** **NORMAL** **SB** **2** **2**
METALS (MG/KG)							
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-766 D-SB-766-SS 20100827 NORMAL SO NORMAL SS 0 1	SB-767 D-SS-767-01 20100830 NORMAL SO NORMAL SS 0 1	SB-768 D-SS-768-01 20100830 NORMAL SO NORMAL SS 0 1	SB-769 D-SS-769-01 20100830 NORMAL SO NORMAL SS 0 1	SB-770 D-SS-770-01 20100830 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	3.6 U	3.8 U	3.6 U	28	3.8 U
2-METHYLNAPHTHALENE	31000	31000	N	3.6 U	3.8 U	3.6 U	3.6 U	9.3
ACENAPHTHENE	470000	340000	N	3.6 U	3.8 U	31 J	29 J	3.8 U
ACENAPHTHYLENE	470000	340000	N[6]	3.6 U	3.8 U	3.6 U	3.6 U	3.8 U
ANTHRACENE	2300000	1700000	N	3.6 U	3.8 U	48 J	3.6 U	3.8 U
BAP EQUIVALENT-HALFND	22	15	C	3.6 U	**31.3**	**77.9**	**39.2**	**17.9**
BAP EQUIVALENT-POS	22	15	C	3.6 U	**29.0**	**75.9**	**37.2**	**16.0**
BENZO(A)ANTHRACENE	220	150	C	3.6 U	3.8 U	62	44	14
BENZO(A)PYRENE	22	15	C	3.6 U	**27 J**	**61 J**	**29**	11
BENZO(B)FLUORANTHENE	220	150	C	3.6 U	20 J	82 J	36	18 J
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.6 U	3.8 U	3.6 U	3.6 U	8.9
BENZO(K)FLUORANTHENE	2200	1500	C	3.6 U	3.8 U	47 J	17	3.8 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		73 U	NA	NA	NA	77 U
C1-FLUORANTHENES/PYRENES	NC	NC		73 U	NA	NA	NA	77 U
C1-PHENANTHRENES/ANTHRACENES	NC	NC		73 U	NA	NA	NA	77 U
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		73 U	NA	NA	NA	77 U
C2-PHENANTHRENES/ANTHRACENES	NC	NC		73 U	NA	NA	NA	77 U
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		73 U	NA	NA	NA	77 U
C3-PHENANTHRENES/ANTHRACENES	NC	NC		73 U	NA	NA	NA	77 U
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		73 U	NA	NA	NA	77 U
CHRYSENE	22000	15000	C	1.2 U	1.3 U	53	34	14
DIBENZO(A,H)ANTHRACENE	22	15	C	3.6 U	3.8 U	3.6 U	3.6 U	3.8 U
FLUORANTHENE	310000	230000	N	20	26 J	170 J	75 J	27
FLUORENE	310000	230000	N	3.6 U	3.8 U	33 J	3.6 U	3.8 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.6 U	3.8 U	3.6 U	3.6 U	18 J
NAPHTHALENE	160000	3600	C	3.6 U	3.8 U	18	3.6 U	8.1
PHENANTHRENE	2300000	170000	N[7]	3.6 U	3.8 U	120 J	54	20
PYRENE	230000	170000	N	7 J	12	140	68	24
TOTAL PAHS	NC	NC		27	85	865	386	172.3
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-766	SB-767	SB-768	SB-769	SB-770
SAMPLE ID				D-SB-766-SS	D-SS-767-01	D-SS-768-01	D-SS-769-01	D-SS-770-01
SAMPLE DATE				20100827	20100830	20100830	20100830	20100830
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SS	SS
TOP DEPTH				0	0	0	0	0
BOTTOM DEPTH				1	1	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-771 D-SB-771-SS 20100910 NORMAL SO NORMAL SS 0 1	SB-772 D-SS-772-01 20100830 NORMAL SO NORMAL SS 0 1	SB-773 D-SS-773-01 20100831 NORMAL SO NORMAL SS 0 1	SB-774 D-SB-774-SS 20100910 NORMAL SO NORMAL SS 0 1	SB-775 D-SS-775-01 20100831 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	480	15	3.9 U	83 U	4 U
2-METHYLNAPHTHALENE	31000	31000	N	980	11	3.9 U	83 U	4 U
ACENAPHTHENE	470000	340000	N	4500	11	3.9 U	1700	4 U
ACENAPHTHYLENE	470000	340000	N[6]	70 U	3.6 U	3.9 U	83 U	4 U
ANTHRACENE	2300000	1700000	N	5900	15	3.9 U	4900	4 U
BAP EQUIVALENT-HALFND	22	15	C	**11308**	**45.0**	3.9 U	**11379**	4 U
BAP EQUIVALENT-POS	22	15	C	**11308**	**43.2**	3.9 U	**11379**	4 U
BENZO(A)ANTHRACENE	220	150	C	**11000**	43	3.9 U	**13000**	4 U
BENZO(A)PYRENE	22	15	C	**7400**	**31**	3.9 U	**7400**	4 U
BENZO(B)FLUORANTHENE	220	150	C	**10000**	47 J	3.9 U	**11000**	4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4200	22	3.9 U	3500	4 U
BENZO(K)FLUORANTHENE	2200	1500	C	**3800**	12	3.9 U	**5600**	4 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	500 J	80 U
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	710 J	80 U
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	290 J	80 U
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	220 J	80 U
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	170 J	80 U
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	110 J	80 U
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	110 J	80 U
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	85 U	80 U
CHRYSENE	22000	15000	C	9600	34	1.3 U	13000	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	**1400**	3.6 U	3.9 U	**1200**	4 U
FLUORANTHENE	310000	230000	N	27000	68	3.9 U	37000	4 U
FLUORENE	310000	230000	N	3100	10	3.9 U	2000	4 U
INDENO(1,2,3-CD)PYRENE	220	150	C	**3600**	30 J	3.9 U	**3100**	4 U
NAPHTHALENE	160000	3600	C	3100	84	9.8	83 U	4 U
PHENANTHRENE	2300000	170000	N[7]	23000	44	3.9 U	27000	4 U
PYRENE	230000	170000	N	19000	59	3.9 U	27000	4 U
TOTAL PAHS	NC	NC		137580	521	9.8	157400	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-771	SB-772	SB-773	SB-774	SB-775
SAMPLE ID				D-SB-771-SS	D-SS-772-01	D-SS-773-01	D-SB-774-SS	D-SS-775-01
SAMPLE DATE				20100910	20100830	20100831	20100910	20100831
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SS	SS
TOP DEPTH				0	0	0	0	0
BOTTOM DEPTH				1	1	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-776 D-SS-776-01 20100831 NORMAL SO NORMAL SS 0 1	SB-777 D-SB-777-SS 20100910 NORMAL SO NORMAL SS 0 1	SB-778 D-SS-778-01 20100831 NORMAL SO NORMAL SS 0 1	SB-779 D-SS-779-01 20100901 NORMAL SO NORMAL SS 0 1	SB-780 D-SS-780-01 20100901 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	4 U	15 U	3.8 U	3.9 U	4 U
2-METHYLNAPHTHALENE	31000	31000	N	4 U	15 U	3.8 U	3.9 U	4 U
ACENAPHTHENE	470000	340000	N	4 U	34	3.8 U	3.9 U	4 U
ACENAPHTHYLENE	470000	340000	N[6]	4 U	15 U	3.8 U	3.9 U	4 U
ANTHRACENE	2300000	1700000	N	4 U	89	3.8 U	3.9 U	4 U
BAP EQUIVALENT-HALFND	22	15	C	4 U	**460**	3.8 U	5.21015	4 U
BAP EQUIVALENT-POS	22	15	C	4 U	**452**	3.8 U	0.9	4 U
BENZO(A)ANTHRACENE	220	150	C	4 U	**400**	3.8 U	3.9 U	4 U
BENZO(A)PYRENE	22	15	C	4 U	**340**	3.8 U	3.9 U	4 U
BENZO(B)FLUORANTHENE	220	150	C	4 U	**510**	3.8 U	9 J	4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4 U	270	3.8 U	3.9 U	4 U
BENZO(K)FLUORANTHENE	2200	1500	C	4 U	180	3.8 U	3.9 U	4 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	1600 J	NA	80 U	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	2300 J	NA	80 U	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	1300 J	NA	80 U	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	780 J	NA	80 U	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	590 J	NA	80 U	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	420 J	NA	80 U	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	310 J	NA	80 U	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	300 J	NA	80 U	NA
CHRYSENE	22000	15000	C	1.3 U	470	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4 U	15 U	3.8 U	3.9 U	4 U
FLUORANTHENE	310000	230000	N	4 U	710	3.8 U	9.9	15
FLUORENE	310000	230000	N	4 U	15 U	3.8 U	3.9 U	4 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4 U	**190**	3.8 U	3.9 U	4 U
NAPHTHALENE	160000	3600	C	4 U	15 U	3.8 U	3.9 U	4 U
PHENANTHRENE	2300000	170000	N[7]	4 U	320	3.8 U	3.9 U	17
PYRENE	230000	170000	N	4 U	880	3.8 U	9.2	11
TOTAL PAHS	NC	NC		0 U	4393	0 U	28.1	43
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	NA	NA	NA	NA
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-776	SB-777	SB-778	SB-779	SB-780
SAMPLE ID				D-SS-776-01	D-SB-777-SS	D-SS-778-01	D-SS-779-01	D-SS-780-01
SAMPLE DATE				20100831	20100910	20100831	20100901	20100901
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SS	SS
TOP DEPTH				0	0	0	0	0
BOTTOM DEPTH				1	1	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-781 D-SS-781-01 20100901 NORMAL SO NORMAL SS 0 1	SB-782 D-SS-782-01 20100902 NORMAL SO NORMAL SS 0 1	SB-783 D-SS-783-01 20100902 NORMAL SO NORMAL SS 0 1	SB-784 D-SS-784-01 20100902 NORMAL SO NORMAL SS 0 1	SB-785 D-SS-785-01 20100903 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	0.66 U	0.49 U	0.6 U	0.75 U
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	1.4 U	1 U	1.3 U	1.6 U
ACETONE	7000000	6100000	N	NA	6.4 U	4.7 U	5.8 U	18 B
BENZENE	12000	1100	C	NA	0.23 U	0.17 U	0.21 U	0.26 U
CARBON DISULFIDE	780000	82000	N	NA	0.45 U	0.33 U	0.4 U	0.5 U
ETHYLBENZENE	780000	5400	C	NA	0.27 U	0.19 U	0.24 U	0.3 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	1.2 U	0.9 U	1.1 U	1.4 U
METHYLENE CHLORIDE	85000	11000	C	NA	0.68 U	0.5 U	0.61 U	1.5 B
NAPHTHALENE	160000	3600	C	NA	0.19 U	0.14 U	0.17 U	1.1 B
O-XYLENE	1600000 [4]	380000	N	NA	0.36 U	0.26 U	0.32 U	0.4 U
TOLUENE	630000	500000	N	NA	0.28 U	0.2 U	0.25 U	0.31 U
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	0.35 U	0.25 U	0.31 U	0.39 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	20 U	21 U	21 U	21 UL
CARBAZOLE	32000	NC		NA	28 U	30 U	30 U	29 UL
DIBENZOFURAN	7800	7800	N	NA	3.4 U	15 J	3.6 U	3.6 UL
DIMETHYL PHTHALATE	NC	NC		NA	18 U	19 U	19 U	18 UL
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	51 U	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	110	3.4 U	8.9	3.6 U	3.6 UL
ACENAPHTHENE	470000	340000	N	1600	11	15	3.6 U	3.6 UL
ACENAPHTHYLENE	470000	340000	N[6]	51 U	12	12	3.6 U	3.6 UL
ANTHRACENE	2300000	1700000	N	6000	26	29	3.6 U	3.6 UL
BAP EQUIVALENT-HALFND	22	15	C	**8311**	**130**	**216**	**40.4**	3.6 U
BAP EQUIVALENT-POS	22	15	C	**8311**	**130**	**216**	**38.6**	3.6 U
BENZO(A)ANTHRACENE	220	150	C	**7000**	86	140	27	3.6 UL
BENZO(A)PYRENE	22	15	C	**5600**	**77**	**140**	**30**	3.6 UL
BENZO(B)FLUORANTHENE	220	150	C	**7300 J**	110	**190**	40	3.6 UL
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	2900	60	90	24	3.6 UL
BENZO(K)FLUORANTHENE	2200	1500	C	**2500**	46	60	13	3.6 UL
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	6400	91	150	32	1.2 UL
DIBENZO(A,H)ANTHRACENE	22	15	C	**1000 J**	**28**	**35**	3.6 U	3.6 UL
FLUORANTHENE	310000	230000	N	19000	180	370	60	3.6 UL
FLUORENE	310000	230000	N	2000	10	16	3.6 U	3.6 UL
INDENO(1,2,3-CD)PYRENE	220	150	C	**2500 J**	49	75	17	3.6 UL
NAPHTHALENE	160000	3600	C	51 U	3.4 U	11	3.6 U	3.6 UL
PHENANTHRENE	2300000	170000	N[7]	17000	96	290	20	3.6 UL
PYRENE	230000	170000	N	13000	150	320	65	3.6 UL
TOTAL PAHS	NC	NC		93910	1032	1951.9	328	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	NA	3.2 U	3.5 U	0.68 UJ	6.7 U
4,4'-DDE	1900	1400	C	NA	2 U	7.8 J	1.5 J	4.2 UJ
AROCLOR-1260	320	220	C	NA	18 U	19 U	19 U	18 U
BETA-BHC	350	270	C	NA	5.7 U	9.1 J	1.2 UJ	12 UJ
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	0 U	0 U	0 U

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-781	SB-782	SB-783	SB-784	SB-785
SAMPLE ID				D-SS-781-01	D-SS-782-01	D-SS-783-01	D-SS-784-01	D-SS-785-01
SAMPLE DATE				20100901	20100902	20100902	20100902	20100903
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SS	SS
TOP DEPTH				0	0	0	0	0
BOTTOM DEPTH				1	1	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	0.15 J	0.25 B	0.076 B	0.063 J
ARSENIC	0.43	0.39	C	NA	**2.2 J**	**2.4 J**	**2.8 J**	**1.6**
BARIUM	1600	1500	N	NA	40.7	17.3	17	4.1 J
BERYLLIUM	16	16	N	NA	0.28	0.28	0.19	0.065 J
CADMIUM	3.9	7	N	NA	0.24 K	0.11 K	0.046 B	0.0084 UL
CHROMIUM	12000 [10]	12000	N[10]	NA	9 J	9.1 J	8.5 J	14.2
COBALT	NC	2.3	N	NA	2 J	**3.2 J**	**6.4 J**	0.65
COPPER	310	310	N	NA	6 J	9 J	6.7 J	5.1 J
IRON	5500	5500	N	NA	**7620 J**	**6110 J**	5100 J	**6620 J**
LEAD	400	400		NA	45.5	25.1	16.4	1.1 J
MANGANESE	160	180	N	NA	102	30.8	24.9	9.4 J
MERCURY	2.3 [11]	2.3	N[12]	NA	0.08 J	0.077 J	0.05 J	0.016 U
MOLYBDENUM	NC	39	N	NA	0.45	0.38	0.33	0.4
NICKEL	160	150	N	NA	5.1 J	5.2 J	5.6 J	0.84 J
SELENIUM	39	39	N	NA	0.4 J	0.46 J	0.51 J	0.25 J
SILVER	39	39	N	NA	0.099 J	0.097 J	0.023 J	0.017 U
THALLIUM	0.55	NC		NA	0.042 B	0.069 B	0.07 B	0.014 UL
VANADIUM	7.8	39	N[13]	NA	**14.2 J**	**15.7 J**	**15.1 J**	**18.7**
ZINC	2300	2300	N	NA	23.4 J	27.8 J	15.5 J	3.3 J
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	26000	18000 B	8600 J	9700 J
GASOLINE RANGE ORGANICS	230000	NC		NA	48 U	51 U	51 U	50 U
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	0.28 U	0.3 U	**1.3**	**0.52 J**

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-786 D-SS-786-01 20100903 NORMAL SO NORMAL SS 0 1	SB-787 D-SS-787-01 20100903 NORMAL SO NORMAL SS 0 1	SB-788 D-SB-788-SS 20100908 NORMAL SO NORMAL SS 0 1	SB-789 D-SB-789-SS 20100908 NORMAL SO NORMAL SS 0 1	SB-790 D-SB-790-SS 20100908 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.59 U	0.6 U	0.57 U	0.53 U	0.6 U
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	2.1 B	2.8 B	1.6 J	6 J	1.3 U
ACETONE	7000000	6100000	N	21 B	17 B	440 J	210 B	110
BENZENE	12000	1100	C	0.72 J	0.21 U	0.2 U	0.19 U	0.21 U
CARBON DISULFIDE	780000	82000	N	2.2 B	1 B	0.65 J	0.82 J	0.41 U
ETHYLBENZENE	780000	5400	C	0.23 U	0.24 U	0.23 U	0.21 U	0.24 U
M+P-XYLENES	1600000 [4]	63000	N[5]	1.1 U	1.1 U	1 U	0.99 U	1.1 U
METHYLENE CHLORIDE	85000	11000	C	3.9 B	2.8 B	0.59 U	0.55 U	0.62 U
NAPHTHALENE	160000	3600	C	2.2 B	1.7 B	0.17 U	0.16 U	0.18 U
O-XYLENE	1600000 [4]	380000	N	0.32 U	0.32 U	0.31 U	0.29 U	0.32 U
TOLUENE	630000	500000	N	0.24 U	0.25 U	0.24 U	0.22 U	0.25 U
TRICHLOROFLUOROMETHANE	NC	79000	N	0.31 U	0.31 U	0.3 U	0.28 U	0.31 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	23 U	22 U	20 J	20 U	20 U
CARBAZOLE	32000	NC		62	31 U	29 U	29 U	29 U
DIBENZOFURAN	7800	7800	N	34 J	3.8 U	11 J	3.5 U	3.5 U
DIMETHYL PHTHALATE	NC	NC		20 U	20 U	18 U	18 U	18 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	27	3.8 U	10	3.5 U	3.5 U
ACENAPHTHENE	470000	340000	N	100	11	16	3.5 U	3.5 U
ACENAPHTHYLENE	470000	340000	N[6]	10	3.8 U	3.5 U	3.5 U	3.5 U
ANTHRACENE	2300000	1700000	N	190	20	20	3.5 U	3.5 U
BAP EQUIVALENT-HALFND	22	15	C	**574**	**72.4**	**105**	**22.2**	**18.5**
BAP EQUIVALENT-POS	22	15	C	**574**	**72.4**	**105**	**20.3**	**16.4**
BENZO(A)ANTHRACENE	220	150	C	**520**	49	53	3.5 U	3.5 U
BENZO(A)PYRENE	22	15	C	**380**	**40**	**63**	**17**	15
BENZO(B)FLUORANTHENE	220	150	C	**440**	58	83	15	14
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	210	26	36	3.5 U	3.5 U
BENZO(K)FLUORANTHENE	2200	1500	C	220	22	29	3.5 U	3.5 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	480	44	62	1.2 U	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	**76**	**19**	**24**	3.5 U	3.5 U
FLUORANTHENE	310000	230000	N	890	93	110	14	8.5
FLUORENE	310000	230000	N	93	9.8	18	3.5 U	3.5 U
INDENO(1,2,3-CD)PYRENE	220	150	C	**190**	24	45	18	3.5 U
NAPHTHALENE	160000	3600	C	85	3.8 U	19	3.5 U	3.5 U
PHENANTHRENE	2300000	170000	N[7]	630	53	87	3.5 U	3.5 U
PYRENE	230000	170000	N	850	73	93	14	9.6
TOTAL PAHS	NC	NC		5391	541.8	768	78	47.1
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	15 U	0.72 U	1.3 UJ	0.66 UJ	0.66 U
4,4'-DDE	1900	1400	C	9.3 U	0.45 UJ	0.83 U	0.42 U	0.42 U
AROCLOR-1260	320	220	C	20 U	20 U	18 U	18 U	18 U
BETA-BHC	350	270	C	26 UJ	1.3 UJ	6.4 J	1.2 U	1.2 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-786	SB-787	SB-788	SB-789	SB-790
SAMPLE ID				D-SS-786-01	D-SS-787-01	D-SB-788-SS	D-SB-789-SS	D-SB-790-SS
SAMPLE DATE				20100903	20100903	20100908	20100908	20100908
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SS	SS
TOP DEPTH				0	0	0	0	0
BOTTOM DEPTH				1	1	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	0.24 J	0.19 J	0.034 J	0.056 J	0.026 U
ARSENIC	0.43	0.39	C	**6**	**5.3**	**0.95**	**1.7**	**0.71**
BARIUM	1600	1500	N	37.1 J	30.7 J	6.8	17.3	3.7
BERYLLIUM	16	16	N	2	1.9	0.087 J	0.2	0.05 U
CADMIUM	3.9	7	N	0.11 J	0.4 L	0.0083 UL	0.024 B	0.0084 UL
CHROMIUM	12000 [10]	12000	N[10]	20.8	18.6	12.4	11.3	8.2
COBALT	NC	2.3	N	**8.9**	**27.5**	1.5	1.8	0.52
COPPER	310	310	N	22.4 J	21.6 J	4.2 L	9.6 L	2.9
IRON	5500	5500	N	**25400 J**	**21500 J**	5460	4680	3870
LEAD	400	400		26.5 J	21.4 J	2.2	7.8	0.98
MANGANESE	160	180	N	102 J	70.5 J	28.6	10.8	14
MERCURY	2.3 [11]	2.3	N[12]	0.25 K	0.48 K	0.016 U	0.019 J	0.016 U
MOLYBDENUM	NC	39	N	0.56	0.45	0.23	0.31	0.14 J
NICKEL	160	150	N	20.7 J	40.6 J	3.3	3.1	0.64
SELENIUM	39	39	N	3.1 L	2.3 L	0.16 J	0.58 J	0.16 J
SILVER	39	39	N	0.38	0.28 K	0.017 U	0.025 B	0.017 U
THALLIUM	0.55	NC		0.034 J	0.054 J	0.014 U	0.067 B	0.014 U
VANADIUM	7.8	39	N[13]	**34.2**	**29.2**	**12.1**	**17.4**	**10.9**
ZINC	2300	2300	N	48.5 J	139 J	4.8 J	11.8 J	2.9
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		**520000**	59000	24000	9700 J	33000
GASOLINE RANGE ORGANICS	230000	NC		71 J	53 U	49 U	49 U	49 U
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	0.32 U	0.31 U	**0.53 J**	**0.57 J**	**0.8 J**

Table A-2
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-791 D-SB-791-SS 20100909 NORMAL SO NORMAL SS 0 1	SB-792 D-SB-792-SS 20100909 NORMAL SO NORMAL SS 0 1	SB-793 D-SB-793-SS 20100909 NORMAL SO NORMAL SS 0 1	SB-794 D-SB-794-SS 20100909 NORMAL SO NORMAL SS 0 1	SB-795 D-SB-795-SS 20100909 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.67 U	0.6 U	0.55 U	0.52 U	0.55 U
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	1.7 J	7.6 J	12	1.1 U	17
ACETONE	7000000	6100000	N	14 B	43 B	130 B	21 B	96 B
BENZENE	12000	1100	C	0.24 U	0.21 U	0.19 U	0.18 U	0.19 U
CARBON DISULFIDE	780000	82000	N	0.65 J	1.4 B	1.7 B	1.1 B	1.9 B
ETHYLBENZENE	780000	5400	C	0.27 U	0.24 U	0.22 U	0.21 U	0.22 U
M+P-XYLENES	1600000 [4]	63000	N[5]	1.2 U	1.1 U	1 U	0.96 U	1 U
METHYLENE CHLORIDE	85000	11000	C	0.69 U	0.72 B	1 B	0.54 U	2.1 B
NAPHTHALENE	160000	3600	C	0.2 U	0.85 B	2.2 B	0.15 U	0.78 B
O-XYLENE	1600000 [4]	380000	N	0.36 U	0.32 U	0.3 U	0.28 U	0.3 U
TOLUENE	630000	500000	N	0.28 U	0.38 J	0.23 U	0.22 U	0.23 U
TRICHLOROFLUOROMETHANE	NC	79000	N	0.35 U	0.31 U	0.29 U	0.85 J	0.29 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	20 U	20 U	22 U	29 U	22 U
CARBAZOLE	32000	NC		29 U	29 U	31 U	120	31 U
DIBENZOFURAN	7800	7800	N	3.5 U	3.6 U	3.8 U	110	3.8 U
DIMETHYL PHTHALATE	NC	NC		18 U	18 U	19 U	26 U	19 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	3.5 U	3.6 U	3.8 U	69	3.8 U
ACENAPHTHENE	470000	340000	N	3.5 U	3.6 U	3.8 U	160	3.8 U
ACENAPHTHYLENE	470000	340000	N[6]	3.5 U	3.6 U	3.8 U	5.1 U	3.8 U
ANTHRACENE	2300000	1700000	N	3.5 U	3.6 U	3.8 U	460	3.8 U
BAP EQUIVALENT-HALFND	22	15	C	3.5 U	4.2	**16.8**	**714**	**38.9**
BAP EQUIVALENT-POS	22	15	C	3.5 U	0.01	14.9	**711**	**37.0**
BENZO(A)ANTHRACENE	220	150	C	3.5 U	3.6 U	12	**740**	16
BENZO(A)PYRENE	22	15	C	3.5 U	3.6 U	11	**540**	**29**
BENZO(B)FLUORANTHENE	220	150	C	3.5 U	3.6 U	17	**650**	33
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.5 U	3.6 U	10	310	17
BENZO(K)FLUORANTHENE	2200	1500	C	3.5 U	3.6 U	11	370	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.2 U	7.2	15	640	26
DIBENZO(A,H)ANTHRACENE	22	15	C	3.5 U	3.6 U	3.8 U	5.1 U	3.8 U
FLUORANTHENE	310000	230000	N	8.4	8.4	20	1700	36
FLUORENE	310000	230000	N	3.5 U	3.6 U	3.8 U	210	3.8 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.5 U	3.6 U	8.7	**280**	29
NAPHTHALENE	160000	3600	C	3.5 U	3.6 U	3.8 U	82	3.8 U
PHENANTHRENE	2300000	170000	N[7]	3.5 U	3.6 U	12	1600	27
PYRENE	230000	170000	N	8.2	8	16	1200	37
TOTAL PAHS	NC	NC		16.6	23.6	132.7	9011	263
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	2700	2000	C	0.66 U	1.3 U	3.5 U	4 J	3.5 UJ
4,4'-DDE	1900	1400	C	0.41 U	0.84 U	2.2 U	7.1 J	2.2 UJ
AROCLOR-1260	320	220	C	18 U	18 U	19 U	20 J	19 U
BETA-BHC	350	270	C	1.2 U	2.4 U	6.3 U	6.4 U	6.3 UJ
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	20	0 U

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-791	SB-792	SB-793	SB-794	SB-795
SAMPLE ID				D-SB-791-SS	D-SB-792-SS	D-SB-793-SS	D-SB-794-SS	D-SB-795-SS
SAMPLE DATE				20100909	20100909	20100909	20100909	20100909
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SS	SS
TOP DEPTH				0	0	0	0	0
BOTTOM DEPTH				1	1	1	1	1
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	0.025 UL	0.11 B	0.2 B	0.41 J	0.085 B
ARSENIC	0.43	0.39	C	**0.72 L**	**2.3 L**	**4.5 L**	**4.3 J**	**2.6 J**
BARIUM	1600	1500	N	3.9	23.6	27.4	54.4	12.6
BERYLLIUM	16	16	N	0.055 J	0.59 J	1.5 J	1.6 J	0.15 J
CADMIUM	3.9	7	N	0.0082 UL	0.081 B	0.094 B	0.27 B	0.011 B
CHROMIUM	12000 [10]	12000	N[10]	8.6	11.6	21.6	16.2 J	26.2 J
COBALT	NC	2.3	N	0.5	**4**	**7.7**	**14.1 J**	1.4 J
COPPER	310	310	N	3.2	9.4	21.5	33.6 J	4.5 J
IRON	5500	5500	N	4450	**9890**	**21500**	**20200 J**	**10200 J**
LEAD	400	400		1.1	9.8	15.8	56.2	2
MANGANESE	160	180	N	9.4 J	124 J	39.3 J	**183 J**	15.6 J
MERCURY	2.3 [11]	2.3	N[12]	0.016 U	0.17	0.069 J	1.7	0.091 J
MOLYBDENUM	NC	39	N	0.14 B	0.5	0.45	0.52	0.26
NICKEL	160	150	N	0.76	7.7	15	21.3 J	2.7 J
SELENIUM	39	39	N	0.11 J	0.61 L	1.7 L	1.2 L	0.29 J
SILVER	39	39	N	0.017 U	0.18	0.24 K	1.4	0.018 U
THALLIUM	0.55	NC		0.014 U	0.038 J	0.053 J	0.094 B	0.015 U
VANADIUM	7.8	39	N[13]	**12.2**	**16.6**	**43.3**	**25.8 J**	**19.4 J**
ZINC	2300	2300	N	3.1 B	28.4	49	119 L	5.4 L
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		11000	36000	40000	39000	34000
GASOLINE RANGE ORGANICS	230000	NC		49 U	49 U	53 U	54 U	53 UJ
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	**0.54 J**	**0.32 J**	**0.62 J**	0.31 U	0.31 U

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-796** **D-SB-796-SS** **20100910** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VOLATILES (UG/KG)				
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.48 U
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA
2-BUTANONE	4700000	2800000	N	2.2 J
ACETONE	7000000	6100000	N	17 B
BENZENE	12000	1100	C	0.17 U
CARBON DISULFIDE	780000	82000	N	0.73 B
ETHYLBENZENE	780000	5400	C	0.19 U
M+P-XYLENES	1600000 [4]	63000	N[5]	0.89 U
METHYLENE CHLORIDE	85000	11000	C	0.82 B
NAPHTHALENE	160000	3600	C	0.71 B
O-XYLENE	1600000 [4]	380000	N	0.26 U
TOLUENE	630000	500000	N	0.2 U
TRICHLOROFLUOROMETHANE	NC	79000	N	0.25 U
SEMIVOLATILES (UG/KG)				
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	23 U
CARBAZOLE	32000	NC		32 U
DIBENZOFURAN	7800	7800	N	3.9 U
DIMETHYL PHTHALATE	NC	NC		20 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	NC	22000	C	NA
2-METHYLNAPHTHALENE	31000	31000	N	10
ACENAPHTHENE	470000	340000	N	13
ACENAPHTHYLENE	470000	340000	N[6]	3.9 U
ANTHRACENE	2300000	1700000	N	15
BAP EQUIVALENT-HALFND	22	15	C	**79.2**
BAP EQUIVALENT-POS	22	15	C	**77.3**
BENZO(A)ANTHRACENE	220	150	C	49
BENZO(A)PYRENE	22	15	C	**60**
BENZO(B)FLUORANTHENE	220	150	C	74
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	40
BENZO(K)FLUORANTHENE	2200	1500	C	31
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
CHRYSENE	22000	15000	C	59
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U
FLUORANTHENE	310000	230000	N	96
FLUORENE	310000	230000	N	12
INDENO(1,2,3-CD)PYRENE	220	150	C	46
NAPHTHALENE	160000	3600	C	18
PHENANTHRENE	2300000	170000	N[7]	60
PYRENE	230000	170000	N	81
TOTAL PAHS	NC	NC		664
PESTICIDES/PCBS (UG/KG)				
4,4'-DDD	2700	2000	C	0.74 U
4,4'-DDE	1900	1400	C	0.47 U
AROCLOR-1260	320	220	C	20 U
BETA-BHC	350	270	C	1.3 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-796** **D-SB-796-SS** **20100910** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
METALS (MG/KG)				
ANTIMONY	3.1	3.1	N	0.37 J
ARSENIC	0.43	0.39	C	**4.9**
BARIUM	1600	1500	N	34.3
BERYLLIUM	16	16	N	2.1
CADMIUM	3.9	7	N	0.053 J
CHROMIUM	12000 [10]	12000	N[10]	19.3
COBALT	NC	2.3	N	**10.9**
COPPER	310	310	N	26.6
IRON	5500	5500	N	**22900**
LEAD	400	400		29.8
MANGANESE	160	180	N	80.2
MERCURY	2.3 [11]	2.3	N[12]	0.56
MOLYBDENUM	NC	39	N	0.61
NICKEL	160	150	N	24.6
SELENIUM	39	39	N	2.2
SILVER	39	39	N	0.35
THALLIUM	0.55	NC		0.078 U
VANADIUM	7.8	39	N[13]	**28.8**
ZINC	2300	2300	N	46.1
PETROLEUM HYDROCARBONS (UG/KG)				
DIESEL RANGE ORGANICS	230000	NC		64000
GASOLINE RANGE ORGANICS	230000	NC		55 U
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	23	0.29	C	**0.36 J**

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value is for xylenes.
5 - The value is for xylene, mixture.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - The value is for PCB (total).
9 - The value is for polychlorinated biphenyls (high risk).
10 - The value is for trivalent chromium.
11 - The value is for mercury (inorganic/mercuric dichloride).
12 - The value is for mercuric chloride.
13 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31-05	SB-32-05	SB-33-05	F-SB-57RE-10	F-SB-57RE-3	F-SB-57RE-4
SAMPLE DATE	20031118	20031121	20031121	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	3	4
BOTTOM DEPTH	5	5	5	10	3	4
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	6 U	7 U	7 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	7 U	7 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	7 U	7 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	7 U	7 U	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	7 U	7 U	NA	NA	NA
1,1-DICHLOROETHENE	6 U	7 U	7 U	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	7 U	7 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	7 U	7 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	7 U	7 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	7 U	7 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	7 U	7 U	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	7 U	7 U	NA	NA	NA
1,2-DIBROMOETHANE	6 U	7 U	7 U	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	7 U	7 U	NA	NA	NA
1,2-DICHLOROETHANE	6 U	7 U	7 U	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	7 U	7 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	7 U	7 U	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	7 U	7 U	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	7 U	7 U	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	7 U	7 U	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	7 U	7 U	NA	NA	NA
2-BUTANONE	59 U	13 J	6 J	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	7 U	7 U	NA	NA	NA
2-CHLOROTOLUENE	6 U	7 U	7 U	NA	NA	NA
2-HEXANONE	59 U	67 U	68 U	NA	NA	NA
4-CHLOROTOLUENE	6 U	7 U	7 U	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	7 U	7 U	NA	NA	NA
4-METHYL-2-PENTANONE	59 U	67 U	68 U	NA	NA	NA
ACETONE	59 U	77 J	59 J	NA	NA	NA
BENZENE	6 U	7 U	7 U	NA	NA	NA
BROMOBENZENE	6 U	7 U	7 U	NA	NA	NA
BROMOCHLOROMETHANE	6 U	7 U	7 U	NA	NA	NA
BROMODICHLOROMETHANE	6 U	7 U	7 U	NA	NA	NA
BROMOFORM	6 U	7 U	7 U	NA	NA	NA
BROMOMETHANE	6 U	7 U	7 U	NA	NA	NA
CARBON DISULFIDE	6 U	7 U	7 U	NA	NA	NA
CARBON TETRACHLORIDE	6 U	7 U	7 U	NA	NA	NA
CHLOROBENZENE	6 U	7 U	7 U	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	7 U	7 U	NA	NA	NA
CHLOROETHANE	6 U	7 U	7 U	NA	NA	NA
CHLOROFORM	6 U	7 U	7 U	NA	NA	NA
CHLOROMETHANE	6 U	7 U	7 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	7 U	7 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	7 U	7 U	NA	NA	NA
DIBROMOMETHANE	6 U	7 U	7 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	7 U	7 U	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	7 U	7 U	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31-05	SB-32-05	SB-33-05	F-SB-57RE-10	F-SB-57RE-3	F-SB-57RE-4
SAMPLE DATE	20031118	20031121	20031121	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	3	4
BOTTOM DEPTH	5	5	5	10	3	4
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	6 U	7 U	7 U	NA	NA	NA
ISOPROPYLBENZENE	6 U	7 U	7 U	NA	NA	NA
M+P-XYLENES	18 U	20 U	20 U	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	7 U	7 U	NA	NA	NA
METHYLENE CHLORIDE	5 J	12 J	11 J	NA	NA	NA
NAPHTHALENE	6 U	7 U	7 U	NA	NA	NA
N-BUTYLBENZENE	6 U	7 U	7 U	NA	NA	NA
N-PROPYLBENZENE	6 U	7 U	7 U	NA	NA	NA
O-XYLENE	18 U	20 U	20 U	NA	NA	NA
SEC-BUTYLBENZENE	6 U	7 U	7 U	NA	NA	NA
STYRENE	6 U	7 U	7 U	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	7 U	7 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	7 U	7 U	NA	NA	NA
TOLUENE	6 U	7 U	7 U	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	7 U	7 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	7 U	7 U	NA	NA	NA
TRICHLOROETHENE	6 U	7 U	7 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	7 U	7 U	NA	NA	NA
VINYL ACETATE	6 U	7 U	7 U	NA	NA	NA
VINYL CHLORIDE	6 U	7 U	7 U	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	400 U	450 U	450 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	400 U	450 U	450 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	990 U	1100 U	1100 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	400 U	450 U	450 U	NA	NA	NA
2,4-DICHLOROPHENOL	400 U	450 U	450 U	NA	NA	NA
2,4-DIMETHYLPHENOL	400 U	450 U	450 U	NA	NA	NA
2,4-DINITROPHENOL	990 U	1100 U	1100 U	NA	NA	NA
2,4-DINITROTOLUENE	400 U	450 U	450 U	NA	NA	NA
2,6-DINITROTOLUENE	400 U	450 U	450 U	NA	NA	NA
2-CHLORONAPHTHALENE	400 U	450 U	450 U	NA	NA	NA
2-CHLOROPHENOL	400 U	450 U	450 U	NA	NA	NA
2-METHYLPHENOL	400 U	450 U	450 U	NA	NA	NA
2-NITROANILINE	990 U	1100 U	1100 U	NA	NA	NA
2-NITROPHENOL	400 U	450 U	450 U	NA	NA	NA
3&4-METHYLPHENOL	400 U	450 U	450 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	400 U	450 U	450 U	NA	NA	NA
3-NITROANILINE	990 U	1100 U	1100 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	910 U	1000 U	1000 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	400 U	450 U	450 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	400 U	450 U	450 U	NA	NA	NA
4-CHLOROANILINE	400 U	450 U	450 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	400 U	450 U	450 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	990 U	1100 U	1100 U	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31-05	SB-32-05	SB-33-05	F-SB-57RE-10	F-SB-57RE-3	F-SB-57RE-4
SAMPLE DATE	20031118	20031121	20031121	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	3	4
BOTTOM DEPTH	5	5	5	10	3	4
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	990 U	1100 U	1100 U	NA	NA	NA
ACETOPHENONE	400 U	450 U	450 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	400 U	450 U	450 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	400 U	450 U	450 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	400 U	450 U	450 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	400 U	450 U	450 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	400 U	450 U	450 U	NA	NA	NA
CAPROLACTAM	400 U	450 U	450 U	NA	NA	NA
CARBAZOLE	400 U	450 U	120 J	NA	NA	NA
DIBENZOFURAN	400 U	450 U	65 J	NA	NA	NA
DIETHYL PHTHALATE	400 U	450 U	450 U	NA	NA	NA
DIMETHYL PHTHALATE	400 U	450 U	450 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	400 U	450 U	450 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	400 U	450 U	450 U	NA	NA	NA
HEXACHLOROBENZENE	400 U	450 U	450 U	NA	NA	NA
HEXACHLOROBUTADIENE	400 U	450 U	450 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	400 U	450 U	450 U	NA	NA	NA
HEXACHLOROETHANE	400 U	450 U	450 U	NA	NA	NA
ISOPHORONE	400 U	450 U	450 U	NA	NA	NA
NITROBENZENE	400 U	450 U	450 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	400 U	450 U	450 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	400 U	450 U	450 U	NA	NA	NA
PENTACHLOROPHENOL	990 U	1100 U	1100 U	NA	NA	NA
PHENOL	400 U	450 U	450 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	400 U	450 U	450 U	NA	NA	NA
ACENAPHTHENE	400 U	110 J	110 J	NA	NA	NA
ACENAPHTHYLENE	400 U	450 U	450 U	NA	NA	NA
ANTHRACENE	400 U	84 J	260 J	NA	NA	NA
BAP EQUIVALENT-HALFND	400 U	441	944	1.7 U	1.4 U	1.6 U
BAP EQUIVALENT-POS	400 U	216	696	1.7 U	1.4 U	1.6 U
BENZO(A)ANTHRACENE	400 U	190 J	640	1.2 U	1 U	1.2 U
BENZO(A)PYRENE	400 U	170 J	570	1.7 U	1.4 U	1.6 U
BENZO(B)FLUORANTHENE	400 U	170 J	560	1.6 U	1.3 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	400 U	450 U	220 J	NA	NA	NA
BENZO(K)FLUORANTHENE	400 U	180 J	580	2.2 U	1.8 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31-05	SB-32-05	SB-33-05	F-SB-57RE-10	F-SB-57RE-3	F-SB-57RE-4
SAMPLE DATE	20031118	20031121	20031121	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	3	4
BOTTOM DEPTH	5	5	5	10	3	4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	400 U	200 J	610	1.2 U	0.98 U	1.1 U
DIBENZO(A,H)ANTHRACENE	400 U	450 U	450 U	1.7 U	1.4 U	1.6 U
FLUORANTHENE	400 U	430 J	1000	NA	NA	NA
FLUORENE	400 U	83 J	150 J	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	400 U	79 J	450 U	2 U	1.6 U	1.9 U
NAPHTHALENE	400 U	95 J	450 U	NA	NA	NA
PHENANTHRENE	400 U	380 J	910	NA	NA	NA
PYRENE	400 U	450	1000	NA	NA	NA
TOTAL PAHS	0 U	2621	6610	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	59 U	67 U	68 U	NA	NA	NA
AROCLOR-1221	59 U	67 U	68 U	NA	NA	NA
AROCLOR-1232	59 U	67 U	68 U	NA	NA	NA
AROCLOR-1242	59 U	67 U	68 U	NA	NA	NA
AROCLOR-1248	59 U	67 U	68 U	NA	NA	NA
AROCLOR-1254	59 U	67 U	68 U	NA	NA	NA
AROCLOR-1260	59 U	67 U	68 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	3 UL	3.4 UL	3.4 UL	NA	NA	NA
ARSENIC	0.59 UR	2.5 L	4.9 L	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-057	SB-057
SAMPLE ID	SB-31-05	SB-32-05	SB-33-05	F-SB-57RE-10	F-SB-57RE-3	F-SB-57RE-4
SAMPLE DATE	20031118	20031121	20031121	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	3	4
BOTTOM DEPTH	5	5	5	10	3	4
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	4.9	3.4 U	3.4 U	NA	NA	NA
CADMIUM	3 U	3.4 U	3.4 U	NA	NA	NA
CHROMIUM	27 L	18 J	23 J	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	22	33	54	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	24 L	68	120	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.12 U	1.7	3.3	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	46 L	22	23	NA	NA	NA
SELENIUM	11 L	3.4 U	3.4 U	NA	NA	NA
SILVER	3 U	3.4 UR	3.4 UR	NA	NA	NA
THALLIUM	2.4 UL	2.7 U	2.7 U	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	130 J	140	180	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	24000 U	43000	27000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	120 U	130 U	140 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	84	74	73	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057
SAMPLE ID	F-SB-57RE-5	F-SB-57RE-6	F-SB-57RE-7	F-SB-57RE-8	F-SB-57RE-9	SB-57-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
2-BUTANONE	NA	NA	NA	NA	NA	56 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	6 U
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 U
2-HEXANONE	NA	NA	NA	NA	NA	56 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	6 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	56 U
ACETONE	NA	NA	NA	NA	NA	56 U
BENZENE	NA	NA	NA	NA	NA	6 U
BROMOBENZENE	NA	NA	NA	NA	NA	6 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	6 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	6 U
BROMOFORM	NA	NA	NA	NA	NA	6 U
BROMOMETHANE	NA	NA	NA	NA	NA	6 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	6 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	6 U
CHLOROBENZENE	NA	NA	NA	NA	NA	6 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	6 U
CHLOROETHANE	NA	NA	NA	NA	NA	6 U
CHLOROFORM	NA	NA	NA	NA	NA	6 U
CHLOROMETHANE	NA	NA	NA	NA	NA	6 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	6 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	6 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057
SAMPLE ID	F-SB-57RE-5	F-SB-57RE-6	F-SB-57RE-7	F-SB-57RE-8	F-SB-57RE-9	SB-57-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	6 U
M+P-XYLENES	NA	NA	NA	NA	NA	11 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	6 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	6 U
NAPHTHALENE	NA	NA	NA	NA	NA	6 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	6 U
O-XYLENE	NA	NA	NA	NA	NA	6 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
STYRENE	NA	NA	NA	NA	NA	6 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	6 U
TOLUENE	NA	NA	NA	NA	NA	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	6 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	6 U
VINYL ACETATE	NA	NA	NA	NA	NA	6 U
VINYL CHLORIDE	NA	NA	NA	NA	NA	6 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	370 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	370 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	930 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	370 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	370 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	370 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	930 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	370 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	370 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	370 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	370 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	370 U
2-NITROANILINE	NA	NA	NA	NA	NA	930 U
2-NITROPHENOL	NA	NA	NA	NA	NA	370 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	370 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	370 U
3-NITROANILINE	NA	NA	NA	NA	NA	930 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	860 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	370 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	370 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	370 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	370 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	930 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057
SAMPLE ID	F-SB-57RE-5	F-SB-57RE-6	F-SB-57RE-7	F-SB-57RE-8	F-SB-57RE-9	SB-57-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	930 U
ACETOPHENONE	NA	NA	NA	NA	NA	370 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	370 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	370 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	370 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	370 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	370 U
CAPROLACTAM	NA	NA	NA	NA	NA	370 U
CARBAZOLE	NA	NA	NA	NA	NA	370 U
DIBENZOFURAN	NA	NA	NA	NA	NA	370 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	370 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	370 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	370 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	370 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	370 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	370 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	370 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	370 U
ISOPHORONE	NA	NA	NA	NA	NA	370 U
NITROBENZENE	NA	NA	NA	NA	NA	370 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	370 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	370 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	930 U
PHENOL	NA	NA	NA	NA	NA	370 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	370 U
ACENAPHTHENE	NA	NA	NA	NA	NA	370 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	370 U
ANTHRACENE	NA	NA	NA	NA	NA	370 U
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	370 U
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	370 U
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U	370 U
BENZO(A)PYRENE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	370 U
BENZO(B)FLUORANTHENE	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U	370 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	370 U
BENZO(K)FLUORANTHENE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	370 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057
SAMPLE ID	F-SB-57RE-5	F-SB-57RE-6	F-SB-57RE-7	F-SB-57RE-8	F-SB-57RE-9	SB-57-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	370 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	370 U
FLUORANTHENE	NA	NA	NA	NA	NA	370 U
FLUORENE	NA	NA	NA	NA	NA	370 U
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	370 U
NAPHTHALENE	NA	NA	NA	NA	NA	370 U
PHENANTHRENE	NA	NA	NA	NA	NA	370 U
PYRENE	NA	NA	NA	NA	NA	370 U
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	22 U
4,4'-DDE	NA	NA	NA	NA	NA	22 U
4,4'-DDT	NA	NA	NA	NA	NA	22 U
ALDRIN	NA	NA	NA	NA	NA	22 U
ALPHA-BHC	NA	NA	NA	NA	NA	22 U
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	22 U
AROCLOR-1016	NA	NA	NA	NA	NA	280 U
AROCLOR-1221	NA	NA	NA	NA	NA	280 U
AROCLOR-1232	NA	NA	NA	NA	NA	280 U
AROCLOR-1242	NA	NA	NA	NA	NA	280 U
AROCLOR-1248	NA	NA	NA	NA	NA	280 U
AROCLOR-1254	NA	NA	NA	NA	NA	280 U
AROCLOR-1260	NA	NA	NA	NA	NA	280 U
BETA-BHC	NA	NA	NA	NA	NA	22 U
DELTA-BHC	NA	NA	NA	NA	NA	22 U
DIELDRIN	NA	NA	NA	NA	NA	22 U
ENDOSULFAN I	NA	NA	NA	NA	NA	22 U
ENDOSULFAN II	NA	NA	NA	NA	NA	22 U
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	22 U
ENDRIN	NA	NA	NA	NA	NA	22 U
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	22 U
ENDRIN KETONE	NA	NA	NA	NA	NA	22 U
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	22 U
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	22 U
HEPTACHLOR	NA	NA	NA	NA	NA	22 U
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	22 U
METHOXYCHLOR	NA	NA	NA	NA	NA	22 U
TOTAL AROCLOR	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	550 U
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	2.7 UR
ARSENIC	NA	NA	NA	NA	NA	0.65 L
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057
SAMPLE ID	F-SB-57RE-5	F-SB-57RE-6	F-SB-57RE-7	F-SB-57RE-8	F-SB-57RE-9	SB-57-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	2.7 U
CADMIUM	NA	NA	NA	NA	NA	2.7 UL
CHROMIUM	NA	NA	NA	NA	NA	8.6 L
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	16
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	3.2 J
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	0.11 UL
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	2.7 U
SELENIUM	NA	NA	NA	NA	NA	2.7 UL
SILVER	NA	NA	NA	NA	NA	2.7 UR
THALLIUM	NA	NA	NA	NA	NA	2.2 UL
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	27 UL
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	11000 U
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	110 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	SB-57-10	F-SB-58RE-10	F-SB-58RE-3	F-SB-58RE-4	F-SB-58RE-5	F-SB-58RE-6
SAMPLE DATE	20040913	20090917	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	3	4	5	6
BOTTOM DEPTH	10	10	3	4	5	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
2-BUTANONE	64 U	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	6 U	NA	NA	NA	NA	NA
2-HEXANONE	64 U	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	6 U	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	64 U	NA	NA	NA	NA	NA
ACETONE	64 U	NA	NA	NA	NA	NA
BENZENE	6 U	NA	NA	NA	NA	NA
BROMOBENZENE	6 U	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 U	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 U	NA	NA	NA	NA	NA
BROMOFORM	6 U	NA	NA	NA	NA	NA
BROMOMETHANE	6 U	NA	NA	NA	NA	NA
CARBON DISULFIDE	6 U	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 U	NA	NA	NA	NA	NA
CHLOROBENZENE	6 U	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	NA	NA	NA	NA	NA
CHLOROETHANE	6 U	NA	NA	NA	NA	NA
CHLOROFORM	6 U	NA	NA	NA	NA	NA
CHLOROMETHANE	6 U	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
DIBROMOMETHANE	6 U	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	SB-57-10	F-SB-58RE-10	F-SB-58RE-3	F-SB-58RE-4	F-SB-58RE-5	F-SB-58RE-6
SAMPLE DATE	20040913	20090917	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	3	4	5	6
BOTTOM DEPTH	10	10	3	4	5	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	NA	NA	NA	NA	NA
M+P-XYLENES	13 U	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	6 U	NA	NA	NA	NA	NA
NAPHTHALENE	6 U	NA	NA	NA	NA	NA
N-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
N-PROPYLBENZENE	6 U	NA	NA	NA	NA	NA
O-XYLENE	6 U	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
STYRENE	6 U	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	NA	NA	NA	NA	NA
TOLUENE	6 U	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
TRICHLOROETHENE	6 U	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	NA	NA	NA	NA	NA
VINYL ACETATE	6 U	NA	NA	NA	NA	NA
VINYL CHLORIDE	6 U	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	430 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	430 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1100 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	430 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	430 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	430 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	1100 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	430 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	430 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	430 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	430 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	430 U	NA	NA	NA	NA	NA
2-NITROANILINE	1100 U	NA	NA	NA	NA	NA
2-NITROPHENOL	430 U	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	430 U	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	430 U	NA	NA	NA	NA	NA
3-NITROANILINE	1100 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	990 U	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	430 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	430 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	430 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	430 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1100 U	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	SB-57-10	F-SB-58RE-10	F-SB-58RE-3	F-SB-58RE-4	F-SB-58RE-5	F-SB-58RE-6
SAMPLE DATE	20040913	20090917	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	3	4	5	6
BOTTOM DEPTH	10	10	3	4	5	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	1100 U	NA	NA	NA	NA	NA
ACETOPHENONE	430 U	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	430 U	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	430 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	430 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	430 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	430 U	NA	NA	NA	NA	NA
CAPROLACTAM	430 U	NA	NA	NA	NA	NA
CARBAZOLE	430 U	NA	NA	NA	NA	NA
DIBENZOFURAN	430 U	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	430 U	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	430 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	430 U	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	430 U	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	430 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	430 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	430 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	430 U	NA	NA	NA	NA	NA
ISOPHORONE	430 U	NA	NA	NA	NA	NA
NITROBENZENE	430 U	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	430 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	430 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	1100 U	NA	NA	NA	NA	NA
PHENOL	670	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	430 U	NA	NA	NA	NA	NA
ACENAPHTHENE	430 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	430 U	NA	NA	NA	NA	NA
ANTHRACENE	430 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	430 U	41.6	1.6 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	430 U	40.7	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	430 U	35	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	430 U	30	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	430 U	42	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	430 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	430 U	17	2 U	2 U	1.9 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	SB-57-10	F-SB-58RE-10	F-SB-58RE-3	F-SB-58RE-4	F-SB-58RE-5	F-SB-58RE-6
SAMPLE DATE	20040913	20090917	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	3	4	5	6
BOTTOM DEPTH	10	10	3	4	5	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	430 U	40	1.1 U	1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	430 U	1.8 U	1.6 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	430 U	NA	NA	NA	NA	NA
FLUORENE	430 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	430 U	28	1.8 U	1.7 U	1.7 U	1.7 U
NAPHTHALENE	430 U	NA	NA	NA	NA	NA
PHENANTHRENE	430 U	NA	NA	NA	NA	NA
PYRENE	430 U	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	192	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	320 U	NA	NA	NA	NA	NA
AROCLOR-1221	320 U	NA	NA	NA	NA	NA
AROCLOR-1232	320 U	NA	NA	NA	NA	NA
AROCLOR-1242	320 U	NA	NA	NA	NA	NA
AROCLOR-1248	320 U	NA	NA	NA	NA	NA
AROCLOR-1254	320 U	NA	NA	NA	NA	NA
AROCLOR-1260	320 U	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	3.1 UR	NA	NA	NA	NA	NA
ARSENIC	1.8 L	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-057	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	SB-57-10	F-SB-58RE-10	F-SB-58RE-3	F-SB-58RE-4	F-SB-58RE-5	F-SB-58RE-6
SAMPLE DATE	20040913	20090917	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	3	4	5	6
BOTTOM DEPTH	10	10	3	4	5	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	3.1 U	NA	NA	NA	NA	NA
CADMIUM	3.1 UL	NA	NA	NA	NA	NA
CHROMIUM	9.5 L	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	6.4	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	3.7 J	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.12 UL	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	3.8 K	NA	NA	NA	NA	NA
SELENIUM	3.1 UL	NA	NA	NA	NA	NA
SILVER	3.1 UR	NA	NA	NA	NA	NA
THALLIUM	2.4 UL	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	31 UL	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	12000 U	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	130 U	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-58RE-7	F-SB-58RE-8	F-SB-58RE-8-AVG	F-SB-58RE-8-D	F-SB-58RE-9	SB-58-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	8	8	9	5
BOTTOM DEPTH	7	8	8	8	9	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
2-BUTANONE	NA	NA	NA	NA	NA	63 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	6 U
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 U
2-HEXANONE	NA	NA	NA	NA	NA	63 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	6 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	63 U
ACETONE	NA	NA	NA	NA	NA	63 U
BENZENE	NA	NA	NA	NA	NA	6 U
BROMOBENZENE	NA	NA	NA	NA	NA	6 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	6 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	6 U
BROMOFORM	NA	NA	NA	NA	NA	6 U
BROMOMETHANE	NA	NA	NA	NA	NA	6 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	6 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	6 U
CHLOROBENZENE	NA	NA	NA	NA	NA	6 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	6 U
CHLOROETHANE	NA	NA	NA	NA	NA	6 U
CHLOROFORM	NA	NA	NA	NA	NA	6 U
CHLOROMETHANE	NA	NA	NA	NA	NA	6 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	6 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	6 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-58RE-7	F-SB-58RE-8	F-SB-58RE-8-AVG	F-SB-58RE-8-D	F-SB-58RE-9	SB-58-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	8	8	9	5
BOTTOM DEPTH	7	8	8	8	9	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	6 U
M+P-XYLENES	NA	NA	NA	NA	NA	13 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	6 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	6 U
NAPHTHALENE	NA	NA	NA	NA	NA	6 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	6 U
O-XYLENE	NA	NA	NA	NA	NA	6 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
STYRENE	NA	NA	NA	NA	NA	6 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	6 U
TOLUENE	NA	NA	NA	NA	NA	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	6 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	6 U
VINYL ACETATE	NA	NA	NA	NA	NA	6 U
VINYL CHLORIDE	NA	NA	NA	NA	NA	6 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	420 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	420 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	1100 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	420 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	420 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	420 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	1100 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	420 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	420 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	420 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	420 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	420 U
2-NITROANILINE	NA	NA	NA	NA	NA	1100 U
2-NITROPHENOL	NA	NA	NA	NA	NA	420 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	420 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	420 U
3-NITROANILINE	NA	NA	NA	NA	NA	1100 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	970 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	420 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	420 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	420 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	420 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	1100 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-58RE-7	F-SB-58RE-8	F-SB-58RE-8-AVG	F-SB-58RE-8-D	F-SB-58RE-9	SB-58-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	8	8	9	5
BOTTOM DEPTH	7	8	8	8	9	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	1100 U
ACETOPHENONE	NA	NA	NA	NA	NA	420 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	420 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	420 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	420 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	420 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	420 U
CAPROLACTAM	NA	NA	NA	NA	NA	420 U
CARBAZOLE	NA	NA	NA	NA	NA	420 U
DIBENZOFURAN	NA	NA	NA	NA	NA	420 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	420 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	62 J
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	420 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	420 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	420 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	420 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	420 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	420 U
ISOPHORONE	NA	NA	NA	NA	NA	420 U
NITROBENZENE	NA	NA	NA	NA	NA	420 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	420 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	420 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	1100 U
PHENOL	NA	NA	NA	NA	NA	420 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	420 U
ACENAPHTHENE	NA	NA	NA	NA	NA	420 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	420 U
ANTHRACENE	NA	NA	NA	NA	NA	420 U
BAP EQUIVALENT-HALFND	158	1.6 U	6.2	11.6	438	331
BAP EQUIVALENT-POS	157	1.6 U	5.8	10.7	437	100
BENZO(A)ANTHRACENE	98	1.2 U	1.2 U	1.2 U	290	99 J
BENZO(A)PYRENE	120	1.6 U	4.9	9	340	83 J
BENZO(B)FLUORANTHENE	180	1.5 U	1.5 U	1.5 U	460	66 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	420 U
BENZO(K)FLUORANTHENE	77	2.1 U	2.1 U	2.1 U	180	86 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-58RE-7	F-SB-58RE-8	F-SB-58RE-8-AVG	F-SB-58RE-8-D	F-SB-58RE-9	SB-58-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	8	8	9	5
BOTTOM DEPTH	7	8	8	8	9	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	98	1.1 U	1.1 U	1.1 U	310	100 J
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	420 U
FLUORANTHENE	NA	NA	NA	NA	NA	150 J
FLUORENE	NA	NA	NA	NA	NA	420 U
INDENO(1,2,3-CD)PYRENE	87	1.9 UJ	8.975	17 J	200	420 U
NAPHTHALENE	NA	NA	NA	NA	NA	420 U
PHENANTHRENE	NA	NA	NA	NA	NA	80 J
PYRENE	NA	NA	NA	NA	NA	140 J
TOTAL PAHS	660	0 U	13	26	1780	804
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	25 U
4,4'-DDE	NA	NA	NA	NA	NA	25 U
4,4'-DDT	NA	NA	NA	NA	NA	25 U
ALDRIN	NA	NA	NA	NA	NA	25 U
ALPHA-BHC	NA	NA	NA	NA	NA	25 U
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	25 U
AROCLOR-1016	NA	NA	NA	NA	NA	310 U
AROCLOR-1221	NA	NA	NA	NA	NA	310 U
AROCLOR-1232	NA	NA	NA	NA	NA	310 U
AROCLOR-1242	NA	NA	NA	NA	NA	310 U
AROCLOR-1248	NA	NA	NA	NA	NA	310 U
AROCLOR-1254	NA	NA	NA	NA	NA	310 U
AROCLOR-1260	NA	NA	NA	NA	NA	310 U
BETA-BHC	NA	NA	NA	NA	NA	25 U
DELTA-BHC	NA	NA	NA	NA	NA	25 U
DIELDRIN	NA	NA	NA	NA	NA	25 U
ENDOSULFAN I	NA	NA	NA	NA	NA	25 U
ENDOSULFAN II	NA	NA	NA	NA	NA	25 U
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	25 U
ENDRIN	NA	NA	NA	NA	NA	25 U
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	25 U
ENDRIN KETONE	NA	NA	NA	NA	NA	25 U
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	25 U
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	25 U
HEPTACHLOR	NA	NA	NA	NA	NA	25 U
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	25 U
METHOXYCHLOR	NA	NA	NA	NA	NA	25 U
TOTAL AROCLOR	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	620 U
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	3.1 UR
ARSENIC	NA	NA	NA	NA	NA	2.3 L
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-58RE-7	F-SB-58RE-8	F-SB-58RE-8-AVG	F-SB-58RE-8-D	F-SB-58RE-9	SB-58-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	8	8	9	5
BOTTOM DEPTH	7	8	8	8	9	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	3.1 U
CADMIUM	NA	NA	NA	NA	NA	3.1 UL
CHROMIUM	NA	NA	NA	NA	NA	19 L
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	13
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	9.3 J
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	0.12 UL
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	8.6
SELENIUM	NA	NA	NA	NA	NA	3.1 UL
SILVER	NA	NA	NA	NA	NA	3.1 UR
THALLIUM	NA	NA	NA	NA	NA	2.5 UL
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	68 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	13000 U
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	130 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058A	SB-058A	SB-058A	SB-058A	SB-058B
SAMPLE ID	SB-58-10	F-SB-58REA-10	F-SB-58REA-4	F-SB-58REA-6	F-SB-58REA-8	F-SB-58REB-10
SAMPLE DATE	20040913	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	4	6	8	10
BOTTOM DEPTH	10	10	4	6	8	10
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
2-BUTANONE	63 U	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	6 U	NA	NA	NA	NA	NA
2-HEXANONE	63 U	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	6 U	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	63 U	NA	NA	NA	NA	NA
ACETONE	63 U	NA	NA	NA	NA	NA
BENZENE	6 U	NA	NA	NA	NA	NA
BROMOBENZENE	6 U	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 U	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 U	NA	NA	NA	NA	NA
BROMOFORM	6 U	NA	NA	NA	NA	NA
BROMOMETHANE	6 U	NA	NA	NA	NA	NA
CARBON DISULFIDE	6 U	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 U	NA	NA	NA	NA	NA
CHLOROBENZENE	6 U	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	NA	NA	NA	NA	NA
CHLOROETHANE	6 U	NA	NA	NA	NA	NA
CHLOROFORM	6 U	NA	NA	NA	NA	NA
CHLOROMETHANE	6 U	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
DIBROMOMETHANE	6 U	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058A	SB-058A	SB-058A	SB-058A	SB-058B
SAMPLE ID	SB-58-10	F-SB-58REA-10	F-SB-58REA-4	F-SB-58REA-6	F-SB-58REA-8	F-SB-58REB-10
SAMPLE DATE	20040913	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	4	6	8	10
BOTTOM DEPTH	10	10	4	6	8	10
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	NA	NA	NA	NA	NA
M+P-XYLENES	13 U	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	6 U	NA	NA	NA	NA	NA
NAPHTHALENE	6 U	NA	NA	NA	NA	NA
N-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
N-PROPYLBENZENE	6 U	NA	NA	NA	NA	NA
O-XYLENE	6 U	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
STYRENE	6 U	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	NA	NA	NA	NA	NA
TOLUENE	6 U	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
TRICHLOROETHENE	6 U	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	NA	NA	NA	NA	NA
VINYL ACETATE	6 U	NA	NA	NA	NA	NA
VINYL CHLORIDE	6 U	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	420 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	420 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1100 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	420 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	420 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	420 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	1100 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	420 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	420 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	420 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	420 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	420 U	NA	NA	NA	NA	NA
2-NITROANILINE	1100 U	NA	NA	NA	NA	NA
2-NITROPHENOL	420 U	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	420 U	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	420 U	NA	NA	NA	NA	NA
3-NITROANILINE	1100 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	980 U	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	420 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	420 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	420 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	420 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1100 U	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058A	SB-058A	SB-058A	SB-058A	SB-058B
SAMPLE ID	SB-58-10	F-SB-58REA-10	F-SB-58REA-4	F-SB-58REA-6	F-SB-58REA-8	F-SB-58REB-10
SAMPLE DATE	20040913	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	4	6	8	10
BOTTOM DEPTH	10	10	4	6	8	10
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	1100 U	NA	NA	NA	NA	NA
ACETOPHENONE	420 U	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	420 U	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	420 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	420 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	420 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	420 U	NA	NA	NA	NA	NA
CAPROLACTAM	420 U	NA	NA	NA	NA	NA
CARBAZOLE	420 U	NA	NA	NA	NA	NA
DIBENZOFURAN	420 U	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	420 U	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	420 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	420 U	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	420 U	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	420 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	420 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	420 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	420 U	NA	NA	NA	NA	NA
ISOPHORONE	420 U	NA	NA	NA	NA	NA
NITROBENZENE	420 U	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	420 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	420 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	1100 U	NA	NA	NA	NA	NA
PHENOL	690	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	420 U	NA	NA	NA	NA	NA
ACENAPHTHENE	420 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	420 U	NA	NA	NA	NA	NA
ANTHRACENE	420 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	420 U	27.2	15.9	121	29.8	15.7
BAP EQUIVALENT-POS	420 U	26.4	15.0	121	29.0	14.6
BENZO(A)ANTHRACENE	420 U	11	15	74	22	13
BENZO(A)PYRENE	420 U	20	12	73	22	12
BENZO(B)FLUORANTHENE	420 U	30	15	84	35	13
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	420 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	420 U	2 U	2.1 U	26	9.7	2.6 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058A	SB-058A	SB-058A	SB-058A	SB-058B
SAMPLE ID	SB-58-10	F-SB-58REA-10	F-SB-58REA-4	F-SB-58REA-6	F-SB-58REA-8	F-SB-58REB-10
SAMPLE DATE	20040913	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	4	6	8	10
BOTTOM DEPTH	10	10	4	6	8	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	420 U	15	15	82	29	1.4 U
DIBENZO(A,H)ANTHRACENE	420 U	1.5 U	1.6 U	27	1.6 U	2 U
FLUORANTHENE	420 U	NA	NA	NA	NA	NA
FLUORENE	420 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	420 U	23	1.8 U	47	12	2.3 U
NAPHTHALENE	420 U	NA	NA	NA	NA	NA
PHENANTHRENE	420 U	NA	NA	NA	NA	NA
PYRENE	420 U	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	99	57	413	129.7	38
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	310 U	NA	NA	NA	NA	NA
AROCLOR-1221	310 U	NA	NA	NA	NA	NA
AROCLOR-1232	310 U	NA	NA	NA	NA	NA
AROCLOR-1242	310 U	NA	NA	NA	NA	NA
AROCLOR-1248	310 U	NA	NA	NA	NA	NA
AROCLOR-1254	310 U	NA	NA	NA	NA	NA
AROCLOR-1260	310 U	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	2.9 UR	NA	NA	NA	NA	NA
ARSENIC	4.1 L	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058A	SB-058A	SB-058A	SB-058A	SB-058B
SAMPLE ID	SB-58-10	F-SB-58REA-10	F-SB-58REA-4	F-SB-58REA-6	F-SB-58REA-8	F-SB-58REB-10
SAMPLE DATE	20040913	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	4	6	8	10
BOTTOM DEPTH	10	10	4	6	8	10
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	2.9 U	NA	NA	NA	NA	NA
CADMIUM	2.9 UL	NA	NA	NA	NA	NA
CHROMIUM	15 L	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	21	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	7.9 J	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.11 UL	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	18	NA	NA	NA	NA	NA
SELENIUM	2.9 UL	NA	NA	NA	NA	NA
SILVER	2.9 UR	NA	NA	NA	NA	NA
THALLIUM	2.3 UL	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	41 J	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	13000 U	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	130 U	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058B	SB-058B	SB-058B	SB-058B	SB-058B	SB-058C
SAMPLE ID	F-SB-58REB-4	F-SB-58REB-4-AVG	F-SB-58REB-4-D	F-SB-58REB-6	F-SB-58REB-8	F-SB-58REC-10
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10
BOTTOM DEPTH	4	4	4	6	8	10
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058B	SB-058B	SB-058B	SB-058B	SB-058B	SB-058C
SAMPLE ID	F-SB-58REB-4	F-SB-58REB-4-AVG	F-SB-58REB-4-D	F-SB-58REB-6	F-SB-58REB-8	F-SB-58REC-10
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10
BOTTOM DEPTH	4	4	4	6	8	10
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058B	SB-058B	SB-058B	SB-058B	SB-058B	SB-058C
SAMPLE ID	F-SB-58REB-4	F-SB-58REB-4-AVG	F-SB-58REB-4-D	F-SB-58REB-6	F-SB-58REB-8	F-SB-58REC-10
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10
BOTTOM DEPTH	4	4	4	6	8	10
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	40.6	29.8	19.1	84.8	2.7	16.7
BAP EQUIVALENT-POS	39.8	29.1	18.3	84.8	0.9	15.7
BENZO(A)ANTHRACENE	23	18.5	14	60	1.1 U	1.2 U
BENZO(A)PYRENE	30	22	14	58	1.6 U	14
BENZO(B)FLUORANTHENE	44	30.5	17	77	9	17
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	12	11.5	11	30	2 U	2.2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058B	SB-058B	SB-058B	SB-058B	SB-058B	SB-058C
SAMPLE ID	F-SB-58REB-4	F-SB-58REB-4-AVG	F-SB-58REB-4-D	F-SB-58REB-6	F-SB-58REB-8	F-SB-58REC-10
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10
BOTTOM DEPTH	4	4	4	6	8	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	21	18	15	65	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	9.3	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	30	20.5	11	34	1.8 U	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	160	121	82	333.3	9	31
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058B	SB-058B	SB-058B	SB-058B	SB-058B	SB-058C
SAMPLE ID	F-SB-58REB-4	F-SB-58REB-4-AVG	F-SB-58REB-4-D	F-SB-58REB-6	F-SB-58REB-8	F-SB-58REC-10
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10
BOTTOM DEPTH	4	4	4	6	8	10
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058C	SB-058C	SB-058C	SB-058D	SB-058D	SB-058D
SAMPLE ID	F-SB-58REC-4	F-SB-58REC-6	F-SB-58REC-8	F-SB-58RED-10	F-SB-58RED-4	F-SB-58RED-6
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6
BOTTOM DEPTH	4	6	8	10	4	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058C	SB-058C	SB-058C	SB-058D	SB-058D	SB-058D
SAMPLE ID	F-SB-58REC-4	F-SB-58REC-6	F-SB-58REC-8	F-SB-58RED-10	F-SB-58RED-4	F-SB-58RED-6
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6
BOTTOM DEPTH	4	6	8	10	4	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058C	SB-058C	SB-058C	SB-058D	SB-058D	SB-058D
SAMPLE ID	F-SB-58REC-4	F-SB-58REC-6	F-SB-58REC-8	F-SB-58RED-10	F-SB-58RED-4	F-SB-58RED-6
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6
BOTTOM DEPTH	4	6	8	10	4	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	25.0	43.6	4.9	16.7	92.6	475
BAP EQUIVALENT-POS	24.2	42.8	3.2	15.8	91.9	475
BENZO(A)ANTHRACENE	7.8 J	23	8.4	1.1 U	55	360
BENZO(A)PYRENE	19	33	1.6 U	14	71	320
BENZO(B)FLUORANTHENE	23	44	23	18	100	380
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	12	2.1 U	2 U	37	160
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058C	SB-058C	SB-058C	SB-058D	SB-058D	SB-058D
SAMPLE ID	F-SB-58REC-4	F-SB-58REC-6	F-SB-58REC-8	F-SB-58RED-10	F-SB-58RED-4	F-SB-58RED-6
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6
BOTTOM DEPTH	4	6	8	10	4	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	10	23	13	1.1 U	63	300
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U	62
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	21	30	1.9 U	1.8 U	50	170
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	80.8	165	44.4	32	376	1752
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058C	SB-058C	SB-058C	SB-058D	SB-058D	SB-058D
SAMPLE ID	F-SB-58REC-4	F-SB-58REC-6	F-SB-58REC-8	F-SB-58RED-10	F-SB-58RED-4	F-SB-58RED-6
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6
BOTTOM DEPTH	4	6	8	10	4	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058D	SB-059	SB-059	SB-060	SB-060	SB-060
SAMPLE ID	F-SB-58RED-8	SB-59-05	SB-59-10	D-SB-60RE-10	D-SB-60RE-3	D-SB-60RE-4
SAMPLE DATE	20091103	20040923	20040923	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	10	3	4
BOTTOM DEPTH	8	5	10	10	3	4
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1-DICHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA
1,1-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	6 U	6 U	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
1,2-DIBROMOETHANE	NA	6 U	6 U	NA	NA	NA
1,2-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,2-DICHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,2-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	6 U	6 U	NA	NA	NA
1,3-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,3-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
2-BUTANONE	NA	56 U	58 U	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	6 U	6 U	NA	NA	NA
2-CHLOROTOLUENE	NA	6 U	6 U	NA	NA	NA
2-HEXANONE	NA	56 U	58 U	NA	NA	NA
4-CHLOROTOLUENE	NA	6 U	6 U	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	6 U	6 U	NA	NA	NA
4-METHYL-2-PENTANONE	NA	56 U	58 U	NA	NA	NA
ACETONE	NA	56 U	58 U	NA	NA	NA
BENZENE	NA	6 U	6 U	NA	NA	NA
BROMOBENZENE	NA	6 U	6 U	NA	NA	NA
BROMOCHLOROMETHANE	NA	6 U	6 U	NA	NA	NA
BROMODICHLOROMETHANE	NA	6 U	6 U	NA	NA	NA
BROMOFORM	NA	6 U	6 U	NA	NA	NA
BROMOMETHANE	NA	6 U	6 U	NA	NA	NA
CARBON DISULFIDE	NA	6 U	6 U	NA	NA	NA
CARBON TETRACHLORIDE	NA	6 U	6 U	NA	NA	NA
CHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
CHLORODIBROMOMETHANE	NA	6 U	6 U	NA	NA	NA
CHLOROETHANE	NA	6 U	6 U	NA	NA	NA
CHLOROFORM	NA	6 U	6 U	NA	NA	NA
CHLOROMETHANE	NA	6 U	6 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA
DIBROMOMETHANE	NA	6 U	6 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	6 U	6 U	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	6 U	6 U	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058D	SB-059	SB-059	SB-060	SB-060	SB-060
SAMPLE ID	F-SB-58RED-8	SB-59-05	SB-59-10	D-SB-60RE-10	D-SB-60RE-3	D-SB-60RE-4
SAMPLE DATE	20091103	20040923	20040923	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	10	3	4
BOTTOM DEPTH	8	5	10	10	3	4
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	6 U	6 U	NA	NA	NA
M+P-XYLENES	NA	11 U	12 U	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	6 U	6 U	NA	NA	NA
METHYLENE CHLORIDE	NA	6 J	11 J	NA	NA	NA
NAPHTHALENE	NA	6 U	6 U	NA	NA	NA
N-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA
N-PROPYLBENZENE	NA	6 U	6 U	NA	NA	NA
O-XYLENE	NA	6 U	6 U	NA	NA	NA
SEC-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA
STYRENE	NA	6 U	6 U	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	6 U	6 U	NA	NA	NA
TOLUENE	NA	6 U	6 U	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA
TRICHLOROETHENE	NA	6 U	6 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	6 U	6 U	NA	NA	NA
VINYL ACETATE	NA	6 U	6 U	NA	NA	NA
VINYL CHLORIDE	NA	6 U	6 U	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	3800 U	3900 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	3800 U	3900 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	9500 U	9900 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	3800 U	3900 U	NA	NA	NA
2,4-DICHLOROPHENOL	NA	3800 U	3900 U	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	3800 U	3900 U	NA	NA	NA
2,4-DINITROPHENOL	NA	9500 U	9900 U	NA	NA	NA
2,4-DINITROTOLUENE	NA	3800 U	3900 U	NA	NA	NA
2,6-DINITROTOLUENE	NA	3800 U	3900 U	NA	NA	NA
2-CHLORONAPHTHALENE	NA	3800 U	3900 U	NA	NA	NA
2-CHLOROPHENOL	NA	3800 U	3900 U	NA	NA	NA
2-METHYLPHENOL	NA	3800 U	3900 U	NA	NA	NA
2-NITROANILINE	NA	9500 U	9900 U	NA	NA	NA
2-NITROPHENOL	NA	3800 U	3900 U	NA	NA	NA
3&4-METHYLPHENOL	NA	3800 U	3900 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	3800 U	3900 U	NA	NA	NA
3-NITROANILINE	NA	9500 U	9900 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	8700 U	9100 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	3800 U	3900 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	3800 U	3900 U	NA	NA	NA
4-CHLOROANILINE	NA	3800 U	3900 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	3800 U	3900 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	9500 U	9900 U	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058D	SB-059	SB-059	SB-060	SB-060	SB-060
SAMPLE ID	F-SB-58RED-8	SB-59-05	SB-59-10	D-SB-60RE-10	D-SB-60RE-3	D-SB-60RE-4
SAMPLE DATE	20091103	20040923	20040923	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	10	3	4
BOTTOM DEPTH	8	5	10	10	3	4
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	9500 U	9900 U	NA	NA	NA
ACETOPHENONE	NA	3800 U	3900 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	3800 U	3900 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	3800 U	3900 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	3800 U	3900 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	3800 U	3900 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	3800 U	3900 U	NA	NA	NA
CAPROLACTAM	NA	3800 U	3900 U	NA	NA	NA
CARBAZOLE	NA	3800 U	3900 U	NA	NA	NA
DIBENZOFURAN	NA	3800 U	3900 U	NA	NA	NA
DIETHYL PHTHALATE	NA	3800 U	3900 U	NA	NA	NA
DIMETHYL PHTHALATE	NA	3800 U	3900 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	3800 U	3900 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	3800 U	3900 U	NA	NA	NA
HEXACHLOROBENZENE	NA	3800 U	3900 U	NA	NA	NA
HEXACHLOROBUTADIENE	NA	3800 U	3900 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	3800 U	3900 U	NA	NA	NA
HEXACHLOROETHANE	NA	3800 U	3900 U	NA	NA	NA
ISOPHORONE	NA	3800 U	3900 U	NA	NA	NA
NITROBENZENE	NA	3800 U	3900 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	3800 U	3900 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	3800 U	3900 U	NA	NA	NA
PENTACHLOROPHENOL	NA	9500 U	9900 U	NA	NA	NA
PHENOL	NA	3800 U	3900 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	3800 U	3900 U	NA	NA	NA
ACENAPHTHENE	NA	3800 U	3900 U	NA	NA	NA
ACENAPHTHYLENE	NA	3800 U	3900 U	NA	NA	NA
ANTHRACENE	NA	3800 U	3900 U	NA	NA	NA
BAP EQUIVALENT-HALFND	38.0	3098	2918	1.5 U	3.4	27.3
BAP EQUIVALENT-POS	37.2	799	773	1.5 U	1.8	26.5
BENZO(A)ANTHRACENE	24	480 J	490 J	1.1 U	8.8	20
BENZO(A)PYRENE	29	750 J	670 J	1.5 U	1.5 U	21
BENZO(B)FLUORANTHENE	34	3800 U	480 J	1.4 U	9.2	22
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	3800 U	3900 U	NA	NA	NA
BENZO(K)FLUORANTHENE	10	3800 U	560 J	1.9 U	2 U	10
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058D	SB-059	SB-059	SB-060	SB-060	SB-060
SAMPLE ID	F-SB-58RED-8	SB-59-05	SB-59-10	D-SB-60RE-10	D-SB-60RE-3	D-SB-60RE-4
SAMPLE DATE	20091103	20040923	20040923	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	10	3	4
BOTTOM DEPTH	8	5	10	10	3	4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	24	760 J	690 J	1 U	9.7	26
DIBENZO(A,H)ANTHRACENE	1.6 U	3800 U	3900 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	730 J	670 J	NA	NA	NA
FLUORENE	NA	3800 U	3900 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	23	3800 U	3900 U	1.7 U	1.8 U	12
NAPHTHALENE	NA	3800 U	3900 U	NA	NA	NA
PHENANTHRENE	NA	3800 U	3900 U	NA	NA	NA
PYRENE	NA	1700 J	1500 J	NA	NA	NA
TOTAL PAHS	144	4420	5060	0 U	27.7	111
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	280 U	290 U	NA	NA	NA
AROCLOR-1221	NA	280 U	290 U	NA	NA	NA
AROCLOR-1232	NA	280 U	290 U	NA	NA	NA
AROCLOR-1242	NA	280 U	290 U	NA	NA	NA
AROCLOR-1248	NA	280 U	290 U	NA	NA	NA
AROCLOR-1254	NA	280 U	290 U	NA	NA	NA
AROCLOR-1260	NA	280 U	290 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	0 U	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	2.6 UL	2.9 UL	NA	NA	NA
ARSENIC	NA	3.9	2.5	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058D	SB-059	SB-059	SB-060	SB-060	SB-060
SAMPLE ID	F-SB-58RED-8	SB-59-05	SB-59-10	D-SB-60RE-10	D-SB-60RE-3	D-SB-60RE-4
SAMPLE DATE	20091103	20040923	20040923	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	10	3	4
BOTTOM DEPTH	8	5	10	10	3	4
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	2.6 U	2.9 U	NA	NA	NA
CADMIUM	NA	2.6 U	2.9 U	NA	NA	NA
CHROMIUM	NA	30 J	14 J	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	8.3	8.1	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	9.5	6.4	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.11 U	0.11 U	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	8	7.4	NA	NA	NA
SELENIUM	NA	2.6 U	2.9 U	NA	NA	NA
SILVER	NA	2.6 UR	2.9 UR	NA	NA	NA
THALLIUM	NA	2.1 U	2.3 U	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	26 UL	29 UL	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	12000	12000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	110 U	120 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-060
SAMPLE ID	D-SB-60RE-5	D-SB-60RE-6	D-SB-60RE-7	D-SB-60RE-8	D-SB-60RE-8-AVG	D-SB-60RE-8-D
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8
BOTTOM DEPTH	5	6	7	8	8	8
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-060
SAMPLE ID	D-SB-60RE-5	D-SB-60RE-6	D-SB-60RE-7	D-SB-60RE-8	D-SB-60RE-8-AVG	D-SB-60RE-8-D
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8
BOTTOM DEPTH	5	6	7	8	8	8
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-060
SAMPLE ID	D-SB-60RE-5	D-SB-60RE-6	D-SB-60RE-7	D-SB-60RE-8	D-SB-60RE-8-AVG	D-SB-60RE-8-D
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8
BOTTOM DEPTH	5	6	7	8	8	8
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2034	1.6 U	1.7 U	1.7 U	1.65 U	1.6 U
BAP EQUIVALENT-POS	2034	1.6 U	1.7 U	1.7 U	1.65 U	1.6 U
BENZO(A)ANTHRACENE	1700	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U
BENZO(A)PYRENE	1400	1.6 U	1.7 U	1.7 U	1.65 U	1.6 U
BENZO(B)FLUORANTHENE	1800	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	660	2.1 U	2.2 U	2.2 U	2.15 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-060
SAMPLE ID	D-SB-60RE-5	D-SB-60RE-6	D-SB-60RE-7	D-SB-60RE-8	D-SB-60RE-8-AVG	D-SB-60RE-8-D
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8
BOTTOM DEPTH	5	6	7	8	8	8
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1300	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	210	1.6 U	1.7 U	1.7 U	1.65 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	660	1.8 U	1.9 U	1.9 U	1.85 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	7730	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-060
SAMPLE ID	D-SB-60RE-5	D-SB-60RE-6	D-SB-60RE-7	D-SB-60RE-8	D-SB-60RE-8-AVG	D-SB-60RE-8-D
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8
BOTTOM DEPTH	5	6	7	8	8	8
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060A	SB-060A
SAMPLE ID	D-SB-60RE-9	SB-60-05	SB-60-10	D-SB-60REA-3	D-SB-60REA-3-AVG	D-SB-60REA-3-D
SAMPLE DATE	20090915	20040924	20040924	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	3	3
BOTTOM DEPTH	9	5	10	3	3	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	6 UL	6 UL	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	6 UL	6 UL	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	6 UL	6 UL	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	6 UL	6 UL	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	6 UL	6 UL	NA	NA	NA
1,1-DICHLOROETHANE	NA	6 UL	6 UL	NA	NA	NA
1,1-DICHLOROETHENE	NA	6 UL	6 UL	NA	NA	NA
1,1-DICHLOROPROPENE	NA	6 UL	6 UL	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	6 UL	6 UL	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	6 UL	6 UL	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	6 UL	6 UL	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	6 UL	6 UL	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	6 UL	6 UL	NA	NA	NA
1,2-DIBROMOETHANE	NA	6 UL	6 UL	NA	NA	NA
1,2-DICHLOROBENZENE	NA	6 UL	6 UL	NA	NA	NA
1,2-DICHLOROETHANE	NA	6 UL	6 UL	NA	NA	NA
1,2-DICHLOROPROPANE	NA	6 UL	6 UL	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	6 UL	6 UL	NA	NA	NA
1,3-DICHLOROBENZENE	NA	6 UL	6 UL	NA	NA	NA
1,3-DICHLOROPROPANE	NA	6 UL	6 UL	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	6 UL	6 UL	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	6 UL	6 UL	NA	NA	NA
2-BUTANONE	NA	60 UL	59 UL	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	6 UL	6 UL	NA	NA	NA
2-CHLOROTOLUENE	NA	6 UL	6 UL	NA	NA	NA
2-HEXANONE	NA	60 UL	59 UL	NA	NA	NA
4-CHLOROTOLUENE	NA	6 UL	6 UL	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	6 UL	6 UL	NA	NA	NA
4-METHYL-2-PENTANONE	NA	60 UL	59 UL	NA	NA	NA
ACETONE	NA	60 UL	59 UL	NA	NA	NA
BENZENE	NA	6 UL	6 UL	NA	NA	NA
BROMOBENZENE	NA	6 UL	6 UL	NA	NA	NA
BROMOCHLOROMETHANE	NA	6 UL	6 UL	NA	NA	NA
BROMODICHLOROMETHANE	NA	6 UL	6 UL	NA	NA	NA
BROMOFORM	NA	6 UL	6 UL	NA	NA	NA
BROMOMETHANE	NA	6 UL	6 UL	NA	NA	NA
CARBON DISULFIDE	NA	6 UL	6 UL	NA	NA	NA
CARBON TETRACHLORIDE	NA	6 UL	6 UL	NA	NA	NA
CHLOROBENZENE	NA	6 UL	6 UL	NA	NA	NA
CHLORODIBROMOMETHANE	NA	6 UL	6 UL	NA	NA	NA
CHLOROETHANE	NA	6 UL	6 UL	NA	NA	NA
CHLOROFORM	NA	6 UL	6 UL	NA	NA	NA
CHLOROMETHANE	NA	6 UL	6 UL	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	6 UL	6 UL	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	6 UL	6 UL	NA	NA	NA
DIBROMOMETHANE	NA	6 UL	6 UL	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	6 UL	6 UL	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	6 UL	6 UL	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060A	SB-060A
SAMPLE ID	D-SB-60RE-9	SB-60-05	SB-60-10	D-SB-60REA-3	D-SB-60REA-3-AVG	D-SB-60REA-3-D
SAMPLE DATE	20090915	20040924	20040924	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	3	3
BOTTOM DEPTH	9	5	10	3	3	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	6 UL	6 UL	NA	NA	NA
M+P-XYLENES	NA	12 UL	12 UL	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	6 UL	6 UL	NA	NA	NA
METHYLENE CHLORIDE	NA	6 UL	6 UL	NA	NA	NA
NAPHTHALENE	NA	6 UL	6 UL	NA	NA	NA
N-BUTYLBENZENE	NA	6 UL	6 UL	NA	NA	NA
N-PROPYLBENZENE	NA	6 UL	6 UL	NA	NA	NA
O-XYLENE	NA	6 UL	6 UL	NA	NA	NA
SEC-BUTYLBENZENE	NA	6 UL	6 UL	NA	NA	NA
STYRENE	NA	6 UL	6 UL	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	6 UL	6 UL	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	6 UL	6 UL	NA	NA	NA
TOLUENE	NA	6 UL	6 UL	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	6 UL	6 UL	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	6 UL	6 UL	NA	NA	NA
TRICHLOROETHENE	NA	6 UL	6 UL	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	6 UL	6 UL	NA	NA	NA
VINYL ACETATE	NA	6 UL	6 UL	NA	NA	NA
VINYL CHLORIDE	NA	6 UL	6 UL	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	420 U	400 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	420 U	400 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	1000 U	1000 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	420 U	400 U	NA	NA	NA
2,4-DICHLOROPHENOL	NA	420 U	400 U	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	420 U	400 U	NA	NA	NA
2,4-DINITROPHENOL	NA	1000 U	1000 U	NA	NA	NA
2,4-DINITROTOLUENE	NA	420 U	400 U	NA	NA	NA
2,6-DINITROTOLUENE	NA	420 U	400 U	NA	NA	NA
2-CHLORONAPHTHALENE	NA	420 U	400 U	NA	NA	NA
2-CHLOROPHENOL	NA	420 U	400 U	NA	NA	NA
2-METHYLPHENOL	NA	420 U	400 U	NA	NA	NA
2-NITROANILINE	NA	1000 U	1000 U	NA	NA	NA
2-NITROPHENOL	NA	420 U	400 U	NA	NA	NA
3&4-METHYLPHENOL	NA	420 U	400 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	420 U	400 U	NA	NA	NA
3-NITROANILINE	NA	1000 U	1000 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	960 U	920 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	420 U	400 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	420 U	400 U	NA	NA	NA
4-CHLOROANILINE	NA	420 U	400 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	420 U	400 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	1000 U	1000 U	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060A	SB-060A
SAMPLE ID	D-SB-60RE-9	SB-60-05	SB-60-10	D-SB-60REA-3	D-SB-60REA-3-AVG	D-SB-60REA-3-D
SAMPLE DATE	20090915	20040924	20040924	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	3	3
BOTTOM DEPTH	9	5	10	3	3	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	1000 U	1000 U	NA	NA	NA
ACETOPHENONE	NA	420 U	400 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	420 U	400 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	420 U	400 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	420 U	400 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	420 U	400 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
CAPROLACTAM	NA	420 U	400 U	NA	NA	NA
CARBAZOLE	NA	420 U	400 U	NA	NA	NA
DIBENZOFURAN	NA	420 U	400 U	NA	NA	NA
DIETHYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
DIMETHYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
HEXACHLOROBENZENE	NA	420 U	400 U	NA	NA	NA
HEXACHLOROBUTADIENE	NA	420 U	400 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	420 U	400 U	NA	NA	NA
HEXACHLOROETHANE	NA	420 U	400 U	NA	NA	NA
ISOPHORONE	NA	420 U	400 U	NA	NA	NA
NITROBENZENE	NA	420 U	400 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	420 U	400 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	420 U	400 U	NA	NA	NA
PENTACHLOROPHENOL	NA	1000 U	1000 U	NA	NA	NA
PHENOL	NA	420 U	400 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	420 U	400 U	NA	NA	NA
ACENAPHTHENE	NA	420 U	400 U	NA	NA	NA
ACENAPHTHYLENE	NA	420 U	400 U	NA	NA	NA
ANTHRACENE	NA	420 U	400 U	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	420 U	400 U	361	852	1343
BAP EQUIVALENT-POS	1.5 U	420 U	400 U	361	852	1343
BENZO(A)ANTHRACENE	1.1 U	420 U	400 U	240 J	495	750 J
BENZO(A)PYRENE	1.5 U	420 U	400 U	240 J	530	820 J
BENZO(B)FLUORANTHENE	1.4 U	420 U	400 U	300 J	900	1500 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	420 U	400 U	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	420 U	400 U	140 J	310	480 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060A	SB-060A
SAMPLE ID	D-SB-60RE-9	SB-60-05	SB-60-10	D-SB-60REA-3	D-SB-60REA-3-AVG	D-SB-60REA-3-D
SAMPLE DATE	20090915	20040924	20040924	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	3	3
BOTTOM DEPTH	9	5	10	3	3	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	420 U	400 U	270 J	685	1100 J
DIBENZO(A,H)ANTHRACENE	1.5 U	420 U	400 U	50 J	140	230 J
FLUORANTHENE	NA	420 U	45 J	NA	NA	NA
FLUORENE	NA	420 U	400 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	420 U	400 U	150 J	385	620 J
NAPHTHALENE	NA	420 U	400 U	NA	NA	NA
PHENANTHRENE	NA	420 U	400 U	NA	NA	NA
PYRENE	NA	420 U	400 U	NA	NA	NA
TOTAL PAHS	0 U	0 U	45	1390	3445	5500
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	300 U	290 U	NA	NA	NA
AROCLOR-1221	NA	300 U	290 U	NA	NA	NA
AROCLOR-1232	NA	300 U	290 U	NA	NA	NA
AROCLOR-1242	NA	300 U	290 U	NA	NA	NA
AROCLOR-1248	NA	300 U	290 U	NA	NA	NA
AROCLOR-1254	NA	300 U	290 U	NA	NA	NA
AROCLOR-1260	NA	300 U	290 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	0 U	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	3.1 UL	2.6 UL	NA	NA	NA
ARSENIC	NA	1 K	2.4	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060A	SB-060A	SB-060A
SAMPLE ID	D-SB-60RE-9	SB-60-05	SB-60-10	D-SB-60REA-3	D-SB-60REA-3-AVG	D-SB-60REA-3-D
SAMPLE DATE	20090915	20040924	20040924	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	3	3
BOTTOM DEPTH	9	5	10	3	3	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	3.1 U	2.6 U	NA	NA	NA
CADMIUM	NA	3.1 U	2.6 U	NA	NA	NA
CHROMIUM	NA	60 J	120 J	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	15 J	21 J	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	11 K	24 K	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.12 U	0.14	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	21 K	10 K	NA	NA	NA
SELENIUM	NA	3.1 U	2.6 U	NA	NA	NA
SILVER	NA	3.1 UR	2.6 UR	NA	NA	NA
THALLIUM	NA	2.5 U	2.1 U	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	58 L	110	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	12000 U	12000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	120 U	120 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060A	SB-060A	SB-060B	SB-060B	SB-060B	SB-060C
SAMPLE ID	D-SB-60REA-5	D-SB-60REA-7	D-SB-60REB-3	D-SB-60REB-5	D-SB-60REB-7	D-SB-60REC-3
SAMPLE DATE	20091012	20091012	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	3
BOTTOM DEPTH	5	7	3	5	7	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060A	SB-060A	SB-060B	SB-060B	SB-060B	SB-060C
SAMPLE ID	D-SB-60REA-5	D-SB-60REA-7	D-SB-60REB-3	D-SB-60REB-5	D-SB-60REB-7	D-SB-60REC-3
SAMPLE DATE	20091012	20091012	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	3
BOTTOM DEPTH	5	7	3	5	7	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060A	SB-060A	SB-060B	SB-060B	SB-060B	SB-060C
SAMPLE ID	D-SB-60REA-5	D-SB-60REA-7	D-SB-60REB-3	D-SB-60REB-5	D-SB-60REB-7	D-SB-60REC-3
SAMPLE DATE	20091012	20091012	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	3
BOTTOM DEPTH	5	7	3	5	7	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	19.9	1.5 U	1.5 U	44.8	32.7	1.6 U
BAP EQUIVALENT-POS	18.9	1.5 U	1.5 U	44.0	31.9	1.6 U
BENZO(A)ANTHRACENE	14	1.1 U	1.1 U	29	25	1.2 U
BENZO(A)PYRENE	16	1.5 U	1.5 U	35	25	1.6 U
BENZO(B)FLUORANTHENE	15	1.4 U	1.4 U	39	28	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.2 U	2 U	1.9 U	17	14	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060A	SB-060A	SB-060B	SB-060B	SB-060B	SB-060C
SAMPLE ID	D-SB-60REA-5	D-SB-60REA-7	D-SB-60REB-3	D-SB-60REB-5	D-SB-60REB-7	D-SB-60REC-3
SAMPLE DATE	20091012	20091012	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	3
BOTTOM DEPTH	5	7	3	5	7	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	20	1.1 U	1 U	26	25	1.1 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.5 U	1.5 U	1.7 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	1.8 U	1.7 U	20	14	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	65	0 U	0 U	166	131	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060A	SB-060A	SB-060B	SB-060B	SB-060B	SB-060C
SAMPLE ID	D-SB-60REA-5	D-SB-60REA-7	D-SB-60REB-3	D-SB-60REB-5	D-SB-60REB-7	D-SB-60REC-3
SAMPLE DATE	20091012	20091012	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	3
BOTTOM DEPTH	5	7	3	5	7	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060C	SB-060C	SB-060D	SB-060D	SB-060D	SB-060D
SAMPLE ID	D-SB-60REC-5	D-SB-60REC-7	D-SB-60RED-3	D-SB-60RED-5	D-SB-60RED-7	D-SB-60RED-7-AVG
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7
BOTTOM DEPTH	5	7	3	5	7	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060C	SB-060C	SB-060D	SB-060D	SB-060D	SB-060D
SAMPLE ID	D-SB-60REC-5	D-SB-60REC-7	D-SB-60RED-3	D-SB-60RED-5	D-SB-60RED-7	D-SB-60RED-7-AVG
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7
BOTTOM DEPTH	5	7	3	5	7	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060C	SB-060C	SB-060D	SB-060D	SB-060D	SB-060D
SAMPLE ID	D-SB-60REC-5	D-SB-60REC-7	D-SB-60RED-3	D-SB-60RED-5	D-SB-60RED-7	D-SB-60RED-7-AVG
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7
BOTTOM DEPTH	5	7	3	5	7	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	13.8	1.5 U	203	42.3	1.6 U	1.55 U
BAP EQUIVALENT-POS	12.8	1.5 U	203	42.3	1.6 U	1.55 U
BENZO(A)ANTHRACENE	8.2	1.1 U	170	31	1.1 U	1.1 U
BENZO(A)PYRENE	12	1.5 U	140	26	1.6 U	1.55 U
BENZO(B)FLUORANTHENE	1.5 U	1.4 U	140	27	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2 U	59	16	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060C	SB-060C	SB-060D	SB-060D	SB-060D	SB-060D
SAMPLE ID	D-SB-60REC-5	D-SB-60REC-7	D-SB-60RED-3	D-SB-60RED-5	D-SB-60RED-7	D-SB-60RED-7-AVG
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7
BOTTOM DEPTH	5	7	3	5	7	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	13	1.1 U	180	32	1.1 U	1.05 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	24	8.6	1.6 U	1.55 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	70	17	1.8 U	1.75 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	33.2	0 U	783	157.6	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060C	SB-060C	SB-060D	SB-060D	SB-060D	SB-060D
SAMPLE ID	D-SB-60REC-5	D-SB-60REC-7	D-SB-60RED-3	D-SB-60RED-5	D-SB-60RED-7	D-SB-60RED-7-AVG
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7
BOTTOM DEPTH	5	7	3	5	7	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-7-D	D-SB-61RE-10	D-SB-61RE-3	D-SB-61RE-4	D-SB-61RE-5	D-SB-61RE-6
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	10	3	4	5	6
BOTTOM DEPTH	7	10	3	4	5	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-7-D	D-SB-61RE-10	D-SB-61RE-3	D-SB-61RE-4	D-SB-61RE-5	D-SB-61RE-6
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	10	3	4	5	6
BOTTOM DEPTH	7	10	3	4	5	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-7-D	D-SB-61RE-10	D-SB-61RE-3	D-SB-61RE-4	D-SB-61RE-5	D-SB-61RE-6
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	10	3	4	5	6
BOTTOM DEPTH	7	10	3	4	5	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	346	2.9	3.2	101.4	1.6 U
BAP EQUIVALENT-POS	1.5 U	346	1.3	1.6	101.4	1.6 U
BENZO(A)ANTHRACENE	1.1 U	120	1.1 U	1.1 U	28	1.2 U
BENZO(A)PYRENE	1.5 U	250	1.5 U	1.5 U	73	1.6 U
BENZO(B)FLUORANTHENE	1.4 U	290	1.4 U	1.4 U	84	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	99	1.9 U	1.9 U	21	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-7-D	D-SB-61RE-10	D-SB-61RE-3	D-SB-61RE-4	D-SB-61RE-5	D-SB-61RE-6
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	10	3	4	5	6
BOTTOM DEPTH	7	10	3	4	5	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	150	1 U	1 U	55	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	36	1.5 U	1.5 U	12	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	180	13	16	49	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	1125	13	16	322	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060D	SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID	D-SB-60RED-7-D	D-SB-61RE-10	D-SB-61RE-3	D-SB-61RE-4	D-SB-61RE-5	D-SB-61RE-6
SAMPLE DATE	20091013	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	10	3	4	5	6
BOTTOM DEPTH	7	10	3	4	5	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-61RE-7	D-SB-61RE-8	D-SB-61RE-9	SB-61-05	SB-61-10	D-SB-61REA-3
SAMPLE DATE	20090916	20090916	20090916	20040924	20040924	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	5	10	3
BOTTOM DEPTH	7	8	9	5	10	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	7 UL	6 UL	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	7 UL	6 UL	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	7 UL	6 UL	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	7 UL	6 UL	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	7 UL	6 UL	NA
1,1-DICHLOROETHANE	NA	NA	NA	7 UL	6 UL	NA
1,1-DICHLOROETHENE	NA	NA	NA	7 UL	6 UL	NA
1,1-DICHLOROPROPENE	NA	NA	NA	7 UL	6 UL	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	7 UL	6 UL	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	7 UL	6 UL	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	7 UL	6 UL	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	7 UL	6 UL	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	7 UL	6 UL	NA
1,2-DIBROMOETHANE	NA	NA	NA	7 UL	6 UL	NA
1,2-DICHLOROBENZENE	NA	NA	NA	7 UL	6 UL	NA
1,2-DICHLOROETHANE	NA	NA	NA	7 UL	6 UL	NA
1,2-DICHLOROPROPANE	NA	NA	NA	7 UL	6 UL	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	7 UL	6 UL	NA
1,3-DICHLOROBENZENE	NA	NA	NA	7 UL	6 UL	NA
1,3-DICHLOROPROPANE	NA	NA	NA	7 UL	6 UL	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	7 UL	6 UL	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	7 UL	6 UL	NA
2-BUTANONE	NA	NA	NA	66 UL	60 UL	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	7 UL	6 UL	NA
2-CHLOROTOLUENE	NA	NA	NA	7 UL	6 UL	NA
2-HEXANONE	NA	NA	NA	66 UL	60 UL	NA
4-CHLOROTOLUENE	NA	NA	NA	7 UL	6 UL	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	7 UL	6 UL	NA
4-METHYL-2-PENTANONE	NA	NA	NA	66 UL	60 UL	NA
ACETONE	NA	NA	NA	66 UL	60 UL	NA
BENZENE	NA	NA	NA	7 UL	6 UL	NA
BROMOBENZENE	NA	NA	NA	7 UL	6 UL	NA
BROMOCHLOROMETHANE	NA	NA	NA	7 UL	6 UL	NA
BROMODICHLOROMETHANE	NA	NA	NA	7 UL	6 UL	NA
BROMOFORM	NA	NA	NA	7 UL	6 UL	NA
BROMOMETHANE	NA	NA	NA	7 UL	6 UL	NA
CARBON DISULFIDE	NA	NA	NA	7 UL	6 UL	NA
CARBON TETRACHLORIDE	NA	NA	NA	7 UL	6 UL	NA
CHLOROBENZENE	NA	NA	NA	7 UL	6 UL	NA
CHLORODIBROMOMETHANE	NA	NA	NA	7 UL	6 UL	NA
CHLOROETHANE	NA	NA	NA	7 UL	6 UL	NA
CHLOROFORM	NA	NA	NA	7 UL	6 UL	NA
CHLOROMETHANE	NA	NA	NA	7 UL	6 UL	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	7 UL	6 UL	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	7 UL	6 UL	NA
DIBROMOMETHANE	NA	NA	NA	7 UL	6 UL	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	7 UL	6 UL	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	7 UL	6 UL	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-61RE-7	D-SB-61RE-8	D-SB-61RE-9	SB-61-05	SB-61-10	D-SB-61REA-3
SAMPLE DATE	20090916	20090916	20090916	20040924	20040924	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	5	10	3
BOTTOM DEPTH	7	8	9	5	10	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	7 UL	6 UL	NA
M+P-XYLENES	NA	NA	NA	13 UL	12 UL	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	7 UL	6 UL	NA
METHYLENE CHLORIDE	NA	NA	NA	7 UL	6 UL	NA
NAPHTHALENE	NA	NA	NA	7 UL	6 UL	NA
N-BUTYLBENZENE	NA	NA	NA	7 UL	6 UL	NA
N-PROPYLBENZENE	NA	NA	NA	7 UL	6 UL	NA
O-XYLENE	NA	NA	NA	7 UL	6 UL	NA
SEC-BUTYLBENZENE	NA	NA	NA	7 UL	6 UL	NA
STYRENE	NA	NA	NA	7 UL	6 UL	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	7 UL	6 UL	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	7 UL	6 UL	NA
TOLUENE	NA	NA	NA	7 UL	6 UL	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	7 UL	6 UL	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	7 UL	6 UL	NA
TRICHLOROETHENE	NA	NA	NA	7 UL	6 UL	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	7 UL	6 UL	NA
VINYL ACETATE	NA	NA	NA	7 UL	6 UL	NA
VINYL CHLORIDE	NA	NA	NA	7 UL	6 UL	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	450 U	400 U	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	450 U	400 U	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	1100 U	1000 U	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	450 U	400 U	NA
2,4-DICHLOROPHENOL	NA	NA	NA	450 U	400 U	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	450 U	400 U	NA
2,4-DINITROPHENOL	NA	NA	NA	1100 U	1000 U	NA
2,4-DINITROTOLUENE	NA	NA	NA	450 U	400 U	NA
2,6-DINITROTOLUENE	NA	NA	NA	450 U	400 U	NA
2-CHLORONAPHTHALENE	NA	NA	NA	450 U	400 U	NA
2-CHLOROPHENOL	NA	NA	NA	450 U	400 U	NA
2-METHYLPHENOL	NA	NA	NA	450 U	400 U	NA
2-NITROANILINE	NA	NA	NA	1100 U	1000 U	NA
2-NITROPHENOL	NA	NA	NA	450 U	400 U	NA
3&4-METHYLPHENOL	NA	NA	NA	450 U	400 U	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	450 U	400 U	NA
3-NITROANILINE	NA	NA	NA	1100 U	1000 U	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	1000 U	930 U	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	450 U	400 U	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	450 U	400 U	NA
4-CHLOROANILINE	NA	NA	NA	450 U	400 U	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	450 U	400 U	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	1100 U	1000 U	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-61RE-7	D-SB-61RE-8	D-SB-61RE-9	SB-61-05	SB-61-10	D-SB-61REA-3
SAMPLE DATE	20090916	20090916	20090916	20040924	20040924	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	5	10	3
BOTTOM DEPTH	7	8	9	5	10	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	1100 U	1000 U	NA
ACETOPHENONE	NA	NA	NA	450 U	400 U	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	450 U	400 U	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	450 U	400 U	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	450 U	400 U	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	450 U	41 J	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	450 U	400 U	NA
CAPROLACTAM	NA	NA	NA	450 U	400 U	NA
CARBAZOLE	NA	NA	NA	450 U	400 U	NA
DIBENZOFURAN	NA	NA	NA	450 U	400 U	NA
DIETHYL PHTHALATE	NA	NA	NA	450 U	400 U	NA
DIMETHYL PHTHALATE	NA	NA	NA	450 U	400 U	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	450 U	400 U	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	450 U	400 U	NA
HEXACHLOROBENZENE	NA	NA	NA	450 U	400 U	NA
HEXACHLOROBUTADIENE	NA	NA	NA	450 U	400 U	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	450 U	400 U	NA
HEXACHLOROETHANE	NA	NA	NA	450 U	400 U	NA
ISOPHORONE	NA	NA	NA	450 U	400 U	NA
NITROBENZENE	NA	NA	NA	450 U	400 U	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	450 U	400 U	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	450 U	400 U	NA
PENTACHLOROPHENOL	NA	NA	NA	1100 U	1000 U	NA
PHENOL	NA	NA	NA	450 U	400 U	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	450 U	400 U	NA
ACENAPHTHENE	NA	NA	NA	450 U	400 U	NA
ACENAPHTHYLENE	NA	NA	NA	450 U	400 U	NA
ANTHRACENE	NA	NA	NA	450 U	400 U	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1.5 U	450 U	400 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.6 U	1.5 U	450 U	400 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	450 U	400 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.6 U	1.5 U	450 U	400 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	450 U	400 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	450 U	400 U	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2 U	450 U	400 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-61RE-7	D-SB-61RE-8	D-SB-61RE-9	SB-61-05	SB-61-10	D-SB-61REA-3
SAMPLE DATE	20090916	20090916	20090916	20040924	20040924	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	5	10	3
BOTTOM DEPTH	7	8	9	5	10	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	450 U	400 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.5 U	450 U	400 U	1.5 U
FLUORANTHENE	NA	NA	NA	450 U	400 U	NA
FLUORENE	NA	NA	NA	450 U	400 U	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.8 U	450 U	400 U	1.8 U
NAPHTHALENE	NA	NA	NA	450 U	400 U	NA
PHENANTHRENE	NA	NA	NA	450 U	400 U	NA
PYRENE	NA	NA	NA	450 U	400 U	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	330 U	290 U	NA
AROCLOR-1221	NA	NA	NA	330 U	290 U	NA
AROCLOR-1232	NA	NA	NA	330 U	290 U	NA
AROCLOR-1242	NA	NA	NA	330 U	290 U	NA
AROCLOR-1248	NA	NA	NA	330 U	290 U	NA
AROCLOR-1254	NA	NA	NA	330 U	290 U	NA
AROCLOR-1260	NA	NA	NA	330 U	290 U	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	0 U	0 U	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	3.2 UL	2.6 UL	NA
ARSENIC	NA	NA	NA	1.8	0.51 U	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-61RE-7	D-SB-61RE-8	D-SB-61RE-9	SB-61-05	SB-61-10	D-SB-61REA-3
SAMPLE DATE	20090916	20090916	20090916	20040924	20040924	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	5	10	3
BOTTOM DEPTH	7	8	9	5	10	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	3.2 U	2.6 U	NA
CADMIUM	NA	NA	NA	3.2 U	2.6 U	NA
CHROMIUM	NA	NA	NA	19 J	12 J	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	8.7 J	4 J	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	6.3 K	2.6 U	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	0.13 U	0.1 U	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	3.2 U	3.7 K	NA
SELENIUM	NA	NA	NA	3.2 U	2.6 U	NA
SILVER	NA	NA	NA	3.2 UR	2.6 UR	NA
THALLIUM	NA	NA	NA	2.6 U	2.1 U	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	32 UL	26 UL	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	13000 U	12000 U	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	140 U	120 U	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061A	SB-061A	SB-061A	SB-061A	SB-061B
SAMPLE ID	D-SB-61REA-3-AVG	D-SB-61REA-3-D	D-SB-61REA-5	D-SB-61REA-7	D-SB-61REA-9	D-SB-61REB-3
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3
BOTTOM DEPTH	3	3	5	7	9	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061A	SB-061A	SB-061A	SB-061A	SB-061B
SAMPLE ID	D-SB-61REA-3-AVG	D-SB-61REA-3-D	D-SB-61REA-5	D-SB-61REA-7	D-SB-61REA-9	D-SB-61REB-3
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3
BOTTOM DEPTH	3	3	5	7	9	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061A	SB-061A	SB-061A	SB-061A	SB-061B
SAMPLE ID	D-SB-61REA-3-AVG	D-SB-61REA-3-D	D-SB-61REA-5	D-SB-61REA-7	D-SB-61REA-9	D-SB-61REB-3
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3
BOTTOM DEPTH	3	3	5	7	9	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.55 U	1.6 U	1.5 U	1.5 U	48.1	1.5 U
BAP EQUIVALENT-POS	1.55 U	1.6 U	1.5 U	1.5 U	47.3	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	21	1.1 U
BENZO(A)PYRENE	1.55 U	1.6 U	1.5 U	1.5 U	39	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.4 U	39	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2 U	2 U	17	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061A	SB-061A	SB-061A	SB-061A	SB-061B
SAMPLE ID	D-SB-61REA-3-AVG	D-SB-61REA-3-D	D-SB-61REA-5	D-SB-61REA-7	D-SB-61REA-9	D-SB-61REB-3
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3
BOTTOM DEPTH	3	3	5	7	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1 U	34	1.1 U
DIBENZO(A,H)ANTHRACENE	1.55 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.8 U	1.7 U	21	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	171	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061A	SB-061A	SB-061A	SB-061A	SB-061B
SAMPLE ID	D-SB-61REA-3-AVG	D-SB-61REA-3-D	D-SB-61REA-5	D-SB-61REA-7	D-SB-61REA-9	D-SB-61REB-3
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3
BOTTOM DEPTH	3	3	5	7	9	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C
SAMPLE ID	D-SB-61REB-5	D-SB-61REB-7	D-SB-61REB-9	D-SB-61REC-3	D-SB-61REC-5	D-SB-61REC-7
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C
SAMPLE ID	D-SB-61REB-5	D-SB-61REB-7	D-SB-61REB-9	D-SB-61REC-3	D-SB-61REC-5	D-SB-61REC-7
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C
SAMPLE ID	D-SB-61REB-5	D-SB-61REB-7	D-SB-61REB-9	D-SB-61REC-3	D-SB-61REC-5	D-SB-61REC-7
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	256	1.5 U	14.1	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	256	1.5 U	13.2	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	91	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	180	1.5 U	11	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	210	1.4 U	12	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	65	2 U	2.2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C
SAMPLE ID	D-SB-61REB-5	D-SB-61REB-7	D-SB-61REB-9	D-SB-61REC-3	D-SB-61REC-5	D-SB-61REC-7
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1 U	110	1.1 U	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	33	1.5 U	1.7 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.7 U	120	1.8 U	10	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	809	0 U	33	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C
SAMPLE ID	D-SB-61REB-5	D-SB-61REB-7	D-SB-61REB-9	D-SB-61REC-3	D-SB-61REC-5	D-SB-61REC-7
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061C	SB-061D	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REC-9	D-SB-61RED-3	D-SB-61RED-5	D-SB-61RED-7	D-SB-61RED-9
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9
VOLATILES (UG/KG)					
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061C	SB-061D	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REC-9	D-SB-61RED-3	D-SB-61RED-5	D-SB-61RED-7	D-SB-61RED-9
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)					
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)					
1,1-BIPHENYL	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA

LOCATION	SB-061C	SB-061D	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REC-9	D-SB-61RED-3	D-SB-61RED-5	D-SB-61RED-7	D-SB-61RED-9
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)					
4-NITROPHENOL	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)					
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	656	1.6 U	10.4	1.5 U	31.2
BAP EQUIVALENT-POS	656	1.6 U	9.5	1.5 U	30.4
BENZO(A)ANTHRACENE	150	1.1 U	1.1 U	1.1 U	22
BENZO(A)PYRENE	450	1.6 U	8.4	1.5 U	24
BENZO(B)FLUORANTHENE	440	1.4 U	11	1.4 U	28
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	150	2 U	2 U	1.9 U	11
C1-CHRYSENES	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061C	SB-061D	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REC-9	D-SB-61RED-3	D-SB-61RED-5	D-SB-61RED-7	D-SB-61RED-9
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI					
C2-NAPHTHALENES	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA
CHRYSENE	220	1.1 U	8.7	1 U	25
DIBENZO(A,H)ANTHRACENE	110	1.6 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	350	1.8 U	1.8 U	1.7 U	13
NAPHTHALENE	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA
TOTAL PAHS	1870	0 U	28.1	0 U	123
PESTICIDES/PCBS (UG/KG)					
4,4'-DDD	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA
METALS (MG/KG)					
ANTIMONY	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061C	SB-061D	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REC-9	D-SB-61RED-3	D-SB-61RED-5	D-SB-61RED-7	D-SB-61RED-9
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9
METALS (CONTINUED) (MG/KG)					
BERYLLIUM	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)					
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)					
PERCENT SOLIDS	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)					
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062
SAMPLE ID	D-SB-62RE-10	D-SB-62RE-3	D-SB-62RE-4	D-SB-62RE-5	D-SB-62RE-6	D-SB-62RE-7
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062
SAMPLE ID	D-SB-62RE-10	D-SB-62RE-3	D-SB-62RE-4	D-SB-62RE-5	D-SB-62RE-6	D-SB-62RE-7
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062
SAMPLE ID	D-SB-62RE-10	D-SB-62RE-3	D-SB-62RE-4	D-SB-62RE-5	D-SB-62RE-6	D-SB-62RE-7
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	44.1	69.4	153	214	77.1
BAP EQUIVALENT-POS	1.5 U	43.3	68.7	152	213	76.4
BENZO(A)ANTHRACENE	1.1 U	29	48	92	130	54
BENZO(A)PYRENE	1.5 U	34	54	120	170	59
BENZO(B)FLUORANTHENE	1.4 U	41	63	140	180	76
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	17	30	60	89	34
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062
SAMPLE ID	D-SB-62RE-10	D-SB-62RE-3	D-SB-62RE-4	D-SB-62RE-5	D-SB-62RE-6	D-SB-62RE-7
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	34	52	100	140	57
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	21	32	82	110	40
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	176	279	594	819	320
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062
SAMPLE ID	D-SB-62RE-10	D-SB-62RE-3	D-SB-62RE-4	D-SB-62RE-5	D-SB-62RE-6	D-SB-62RE-7
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A
SAMPLE ID	D-SB-62RE-8	D-SB-62RE-9	SB-62-05	SB-62-10	D-SB-62REA-3	D-SB-62REA-5
SAMPLE DATE	20090914	20090914	20040923	20040923	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	5	10	3	5
BOTTOM DEPTH	8	9	5	10	3	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	6 U	6 U	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	6 U	6 U	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	6 U	6 U	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	6 U	6 U	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	6 U	6 U	NA	NA
1,1-DICHLOROETHANE	NA	NA	6 U	6 U	NA	NA
1,1-DICHLOROETHENE	NA	NA	6 U	6 U	NA	NA
1,1-DICHLOROPROPENE	NA	NA	6 U	6 U	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	6 U	6 U	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	6 U	6 U	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	6 U	6 U	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	6 U	6 U	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	6 U	6 U	NA	NA
1,2-DIBROMOETHANE	NA	NA	6 U	6 U	NA	NA
1,2-DICHLOROBENZENE	NA	NA	6 U	6 U	NA	NA
1,2-DICHLOROETHANE	NA	NA	6 U	6 U	NA	NA
1,2-DICHLOROPROPANE	NA	NA	6 U	6 U	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	6 U	6 U	NA	NA
1,3-DICHLOROBENZENE	NA	NA	6 U	6 U	NA	NA
1,3-DICHLOROPROPANE	NA	NA	6 U	6 U	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	6 U	6 U	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	6 U	6 U	NA	NA
2-BUTANONE	NA	NA	58 U	58 U	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	6 U	6 U	NA	NA
2-CHLOROTOLUENE	NA	NA	6 U	6 U	NA	NA
2-HEXANONE	NA	NA	58 U	58 U	NA	NA
4-CHLOROTOLUENE	NA	NA	6 U	6 U	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	6 U	6 U	NA	NA
4-METHYL-2-PENTANONE	NA	NA	58 U	58 U	NA	NA
ACETONE	NA	NA	58 U	58 U	NA	NA
BENZENE	NA	NA	6 U	6 U	NA	NA
BROMOBENZENE	NA	NA	6 U	6 U	NA	NA
BROMOCHLOROMETHANE	NA	NA	6 U	6 U	NA	NA
BROMODICHLOROMETHANE	NA	NA	6 U	6 U	NA	NA
BROMOFORM	NA	NA	6 U	6 U	NA	NA
BROMOMETHANE	NA	NA	6 U	6 U	NA	NA
CARBON DISULFIDE	NA	NA	6 U	6 U	NA	NA
CARBON TETRACHLORIDE	NA	NA	6 U	6 U	NA	NA
CHLOROBENZENE	NA	NA	6 U	6 U	NA	NA
CHLORODIBROMOMETHANE	NA	NA	6 U	6 U	NA	NA
CHLOROETHANE	NA	NA	6 U	6 U	NA	NA
CHLOROFORM	NA	NA	6 U	6 U	NA	NA
CHLOROMETHANE	NA	NA	6 U	6 U	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	6 U	6 U	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	6 U	6 U	NA	NA
DIBROMOMETHANE	NA	NA	6 U	6 U	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	6 U	6 U	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	6 U	6 U	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A
SAMPLE ID	D-SB-62RE-8	D-SB-62RE-9	SB-62-05	SB-62-10	D-SB-62REA-3	D-SB-62REA-5
SAMPLE DATE	20090914	20090914	20040923	20040923	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	5	10	3	5
BOTTOM DEPTH	8	9	5	10	3	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	6 U	6 U	NA	NA
M+P-XYLENES	NA	NA	12 U	12 U	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	6 U	6 U	NA	NA
METHYLENE CHLORIDE	NA	NA	6 U	10 J	NA	NA
NAPHTHALENE	NA	NA	6 U	6 U	NA	NA
N-BUTYLBENZENE	NA	NA	6 U	6 U	NA	NA
N-PROPYLBENZENE	NA	NA	6 U	6 U	NA	NA
O-XYLENE	NA	NA	6 U	6 U	NA	NA
SEC-BUTYLBENZENE	NA	NA	6 U	6 U	NA	NA
STYRENE	NA	NA	6 U	6 U	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	6 U	6 U	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	6 U	6 U	NA	NA
TOLUENE	NA	NA	6 U	6 U	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	6 U	6 U	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	6 U	6 U	NA	NA
TRICHLOROETHENE	NA	NA	6 U	6 U	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	6 U	6 U	NA	NA
VINYL ACETATE	NA	NA	6 U	6 U	NA	NA
VINYL CHLORIDE	NA	NA	6 U	6 U	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	400 U	390 U	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	400 U	390 U	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	990 U	980 U	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	400 U	390 U	NA	NA
2,4-DICHLOROPHENOL	NA	NA	400 U	390 U	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	400 U	390 U	NA	NA
2,4-DINITROPHENOL	NA	NA	990 U	980 U	NA	NA
2,4-DINITROTOLUENE	NA	NA	400 U	390 U	NA	NA
2,6-DINITROTOLUENE	NA	NA	400 U	390 U	NA	NA
2-CHLORONAPHTHALENE	NA	NA	400 U	390 U	NA	NA
2-CHLOROPHENOL	NA	NA	400 U	390 U	NA	NA
2-METHYLPHENOL	NA	NA	400 U	390 U	NA	NA
2-NITROANILINE	NA	NA	990 U	980 U	NA	NA
2-NITROPHENOL	NA	NA	400 U	390 U	NA	NA
3&4-METHYLPHENOL	NA	NA	400 U	390 U	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	400 U	390 U	NA	NA
3-NITROANILINE	NA	NA	990 U	980 U	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	910 U	900 U	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	400 U	390 U	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	400 U	390 U	NA	NA
4-CHLOROANILINE	NA	NA	400 U	390 U	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	400 U	390 U	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	990 U	980 U	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A
SAMPLE ID	D-SB-62RE-8	D-SB-62RE-9	SB-62-05	SB-62-10	D-SB-62REA-3	D-SB-62REA-5
SAMPLE DATE	20090914	20090914	20040923	20040923	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	5	10	3	5
BOTTOM DEPTH	8	9	5	10	3	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	990 U	980 U	NA	NA
ACETOPHENONE	NA	NA	400 U	390 U	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	400 U	390 U	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	400 U	390 U	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	400 U	390 U	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	400 U	390 U	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	400 U	390 U	NA	NA
CAPROLACTAM	NA	NA	400 U	390 U	NA	NA
CARBAZOLE	NA	NA	400 U	390 U	NA	NA
DIBENZOFURAN	NA	NA	400 U	390 U	NA	NA
DIETHYL PHTHALATE	NA	NA	400 U	390 U	NA	NA
DIMETHYL PHTHALATE	NA	NA	400 U	390 U	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	400 U	390 U	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	400 U	390 U	NA	NA
HEXACHLOROBENZENE	NA	NA	400 U	390 U	NA	NA
HEXACHLOROBUTADIENE	NA	NA	400 U	390 U	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	400 U	390 U	NA	NA
HEXACHLOROETHANE	NA	NA	400 U	390 U	NA	NA
ISOPHORONE	NA	NA	400 U	390 U	NA	NA
NITROBENZENE	NA	NA	400 U	390 U	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	400 U	390 U	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	400 U	390 U	NA	NA
PENTACHLOROPHENOL	NA	NA	990 U	980 U	NA	NA
PHENOL	NA	NA	400 U	390 U	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	400 U	390 U	NA	NA
ACENAPHTHENE	NA	NA	400 U	390 U	NA	NA
ACENAPHTHYLENE	NA	NA	400 U	390 U	NA	NA
ANTHRACENE	NA	NA	400 U	390 U	NA	NA
BAP EQUIVALENT-HALFND	65.6	1347	400 U	390 U	61.3	4212
BAP EQUIVALENT-POS	64.8	1346	400 U	390 U	60.5	4212
BENZO(A)ANTHRACENE	46	590	400 U	390 U	46	2400
BENZO(A)PYRENE	51	1100	400 U	390 U	47	3000
BENZO(B)FLUORANTHENE	57	1100	400 U	390 U	61	3100
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	400 U	390 U	NA	NA
BENZO(K)FLUORANTHENE	30	460	400 U	390 U	27	970
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A
SAMPLE ID	D-SB-62RE-8	D-SB-62RE-9	SB-62-05	SB-62-10	D-SB-62REA-3	D-SB-62REA-5
SAMPLE DATE	20090914	20090914	20040923	20040923	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	5	10	3	5
BOTTOM DEPTH	8	9	5	10	3	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	48	670	400 U	390 U	47	2100
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	400 U	390 U	1.5 U	520
FLUORANTHENE	NA	NA	400 U	390 U	NA	NA
FLUORENE	NA	NA	400 U	390 U	NA	NA
INDENO(1,2,3-CD)PYRENE	32	720	400 U	390 U	25	1300
NAPHTHALENE	NA	NA	400 U	390 U	NA	NA
PHENANTHRENE	NA	NA	400 U	390 U	NA	NA
PYRENE	NA	NA	45 J	390 U	NA	NA
TOTAL PAHS	264	4640	45	0 U	253	13390
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	290 U	290 U	NA	NA
AROCLOR-1221	NA	NA	290 U	290 U	NA	NA
AROCLOR-1232	NA	NA	290 U	290 U	NA	NA
AROCLOR-1242	NA	NA	290 U	290 U	NA	NA
AROCLOR-1248	NA	NA	290 U	290 U	NA	NA
AROCLOR-1254	NA	NA	290 U	290 U	NA	NA
AROCLOR-1260	NA	NA	290 U	290 U	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	0 U	0 U	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	2.5 UL	2.7 UL	NA	NA
ARSENIC	NA	NA	1.7	0.53 U	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A
SAMPLE ID	D-SB-62RE-8	D-SB-62RE-9	SB-62-05	SB-62-10	D-SB-62REA-3	D-SB-62REA-5
SAMPLE DATE	20090914	20090914	20040923	20040923	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	5	10	3	5
BOTTOM DEPTH	8	9	5	10	3	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	2.5 U	2.7 U	NA	NA
CADMIUM	NA	NA	2.5 U	2.7 U	NA	NA
CHROMIUM	NA	NA	16 J	3.6 J	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	11	2.7 U	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	7.8	2.7 U	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	0.1 U	0.11 U	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	11	2.7 U	NA	NA
SELENIUM	NA	NA	2.5 U	2.7 U	NA	NA
SILVER	NA	NA	2.5 UR	2.7 UR	NA	NA
THALLIUM	NA	NA	2 U	2.1 U	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	38 J	27 UL	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	12000 U	12000 U	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	120 U	120 U	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062A	SB-062A	SB-062B	SB-062B	SB-062B	SB-062B
SAMPLE ID	D-SB-62REA-7	D-SB-62REA-9	D-SB-62REB-3	D-SB-62REB-5	D-SB-62REB-7	D-SB-62REB-7-AVG
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7
BOTTOM DEPTH	7	9	3	5	7	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062A	SB-062A	SB-062B	SB-062B	SB-062B	SB-062B
SAMPLE ID	D-SB-62REA-7	D-SB-62REA-9	D-SB-62REB-3	D-SB-62REB-5	D-SB-62REB-7	D-SB-62REB-7-AVG
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7
BOTTOM DEPTH	7	9	3	5	7	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062A	SB-062A	SB-062B	SB-062B	SB-062B	SB-062B
SAMPLE ID	D-SB-62REA-7	D-SB-62REA-9	D-SB-62REB-3	D-SB-62REB-5	D-SB-62REB-7	D-SB-62REB-7-AVG
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7
BOTTOM DEPTH	7	9	3	5	7	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	239	4863	62.3	282	434	264
BAP EQUIVALENT-POS	239	4863	61.5	282	434	264
BENZO(A)ANTHRACENE	130	4500	46	200	320 J	185
BENZO(A)PYRENE	170	3300	47	200	300 J	184
BENZO(B)FLUORANTHENE	190	5300	64	220	340 J	200.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	70	950	26	110	160 J	99.5
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062A	SB-062A	SB-062B	SB-062B	SB-062B	SB-062B
SAMPLE ID	D-SB-62REA-7	D-SB-62REA-9	D-SB-62REB-3	D-SB-62REB-5	D-SB-62REB-7	D-SB-62REB-7-AVG
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7
BOTTOM DEPTH	7	9	3	5	7	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	140	3800	47	180	310 J	181
DIBENZO(A,H)ANTHRACENE	27	430	1.5 U	28	51 J	31
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	92	1400	32	110	150 J	96.5
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	819	19680	262	1048	1631	977.5
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062A	SB-062A	SB-062B	SB-062B	SB-062B	SB-062B
SAMPLE ID	D-SB-62REA-7	D-SB-62REA-9	D-SB-62REB-3	D-SB-62REB-5	D-SB-62REB-7	D-SB-62REB-7-AVG
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7
BOTTOM DEPTH	7	9	3	5	7	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062C
SAMPLE ID	D-SB-62REB-7-D	D-SB-62REB-9	D-SB-62REC-3	D-SB-62REC-5	D-SB-62REC-7	D-SB-62REC-9
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062C
SAMPLE ID	D-SB-62REB-7-D	D-SB-62REB-9	D-SB-62REC-3	D-SB-62REC-5	D-SB-62REC-7	D-SB-62REC-9
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062C
SAMPLE ID	D-SB-62REB-7-D	D-SB-62REB-9	D-SB-62REC-3	D-SB-62REC-5	D-SB-62REC-7	D-SB-62REC-9
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	95	1.5 U	174	45.8	131	1.5 U
BAP EQUIVALENT-POS	95	1.5 U	174	45.1	121	1.5 U
BENZO(A)ANTHRACENE	50 J	1.1 U	130	32	110	1.1 U
BENZO(A)PYRENE	68 J	1.5 U	120	35	110	1.5 U
BENZO(B)FLUORANTHENE	61 J	1.4 U	160	40	15 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	39 J	2 U	60	16	21 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062C
SAMPLE ID	D-SB-62REB-7-D	D-SB-62REB-9	D-SB-62REC-3	D-SB-62REC-5	D-SB-62REC-7	D-SB-62REC-9
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	52 J	1.1 U	130	22	11 U	1.1 U
DIBENZO(A,H)ANTHRACENE	11 J	1.5 U	18	1.5 U	16 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	43 J	1.8 U	59	27	18 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	324	0 U	677	172	220	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062C
SAMPLE ID	D-SB-62REB-7-D	D-SB-62REB-9	D-SB-62REC-3	D-SB-62REC-5	D-SB-62REC-7	D-SB-62REC-9
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62RED-5	D-SB-62RED-7	D-SB-62RED-9	D-SB-63RE-10	D-SB-63RE-3	D-SB-63RE-4
SAMPLE DATE	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	10	3	4
BOTTOM DEPTH	5	7	9	10	3	4
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62RED-5	D-SB-62RED-7	D-SB-62RED-9	D-SB-63RE-10	D-SB-63RE-3	D-SB-63RE-4
SAMPLE DATE	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	10	3	4
BOTTOM DEPTH	5	7	9	10	3	4
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62RED-5	D-SB-62RED-7	D-SB-62RED-9	D-SB-63RE-10	D-SB-63RE-3	D-SB-63RE-4
SAMPLE DATE	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	10	3	4
BOTTOM DEPTH	5	7	9	10	3	4
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	58.1	26.5	1.5 U	1.7 U	379	157
BAP EQUIVALENT-POS	57.3	9.9	1.5 U	1.7 U	379	157
BENZO(A)ANTHRACENE	36	11 U	1.1 U	1.2 U	260	90
BENZO(A)PYRENE	45	15 U	1.5 U	1.7 U	260	110
BENZO(B)FLUORANTHENE	57	99	1.4 U	1.6 U	340	110
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	15	20 U	2 U	2.2 U	100	61
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62RED-5	D-SB-62RED-7	D-SB-62RED-9	D-SB-63RE-10	D-SB-63RE-3	D-SB-63RE-4
SAMPLE DATE	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	10	3	4
BOTTOM DEPTH	5	7	9	10	3	4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	30	11 U	1 U	1.2 U	270	110
DIBENZO(A,H)ANTHRACENE	1.7 U	15 U	1.5 U	1.7 U	44	19
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	28	18 U	1.7 U	1.9 U	140	69
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	211	99	0 U	0 U	1414	569
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62RED-5	D-SB-62RED-7	D-SB-62RED-9	D-SB-63RE-10	D-SB-63RE-3	D-SB-63RE-4
SAMPLE DATE	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	10	3	4
BOTTOM DEPTH	5	7	9	10	3	4
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-63RE-5	D-SB-63RE-6	D-SB-63RE-7	D-SB-63RE-8	D-SB-63RE-9	SB-63-05
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20040924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	6 UL
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 UL
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 UL
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	6 UL
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	6 UL
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 UL
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 UL
2-BUTANONE	NA	NA	NA	NA	NA	60 UL
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	6 UL
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 UL
2-HEXANONE	NA	NA	NA	NA	NA	60 UL
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 UL
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	6 UL
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	60 UL
ACETONE	NA	NA	NA	NA	NA	60 UL
BENZENE	NA	NA	NA	NA	NA	6 UL
BROMOBENZENE	NA	NA	NA	NA	NA	6 UL
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	6 UL
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	6 UL
BROMOFORM	NA	NA	NA	NA	NA	6 UL
BROMOMETHANE	NA	NA	NA	NA	NA	6 UL
CARBON DISULFIDE	NA	NA	NA	NA	NA	6 UL
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	6 UL
CHLOROBENZENE	NA	NA	NA	NA	NA	6 UL
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	6 UL
CHLOROETHANE	NA	NA	NA	NA	NA	6 UL
CHLOROFORM	NA	NA	NA	NA	NA	6 UL
CHLOROMETHANE	NA	NA	NA	NA	NA	6 UL
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 UL
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 UL
DIBROMOMETHANE	NA	NA	NA	NA	NA	6 UL
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	6 UL
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	6 UL
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-63RE-5	D-SB-63RE-6	D-SB-63RE-7	D-SB-63RE-8	D-SB-63RE-9	SB-63-05
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20040924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	6 UL
M+P-XYLENES	NA	NA	NA	NA	NA	12 UL
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	6 UL
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	6 UL
NAPHTHALENE	NA	NA	NA	NA	NA	6 UL
N-BUTYLBENZENE	NA	NA	NA	NA	NA	6 UL
N-PROPYLBENZENE	NA	NA	NA	NA	NA	6 UL
O-XYLENE	NA	NA	NA	NA	NA	6 UL
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	6 UL
STYRENE	NA	NA	NA	NA	NA	6 UL
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	6 UL
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	6 UL
TOLUENE	NA	NA	NA	NA	NA	6 UL
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 UL
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 UL
TRICHLOROETHENE	NA	NA	NA	NA	NA	6 UL
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	6 UL
VINYL ACETATE	NA	NA	NA	NA	NA	6 UL
VINYL CHLORIDE	NA	NA	NA	NA	NA	6 UL
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	410 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	410 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	1000 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	410 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	410 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	410 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	1000 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	410 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	410 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	410 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	410 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	410 U
2-NITROANILINE	NA	NA	NA	NA	NA	1000 U
2-NITROPHENOL	NA	NA	NA	NA	NA	410 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	410 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	410 U
3-NITROANILINE	NA	NA	NA	NA	NA	1000 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	940 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	410 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	410 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	410 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	410 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	1000 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-63RE-5	D-SB-63RE-6	D-SB-63RE-7	D-SB-63RE-8	D-SB-63RE-9	SB-63-05
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20040924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	1000 U
ACETOPHENONE	NA	NA	NA	NA	NA	410 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	410 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	410 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	410 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	410 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	410 U
CAPROLACTAM	NA	NA	NA	NA	NA	410 U
CARBAZOLE	NA	NA	NA	NA	NA	410 U
DIBENZOFURAN	NA	NA	NA	NA	NA	410 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	410 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	410 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	410 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	76 J
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	410 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	410 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	410 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	410 U
ISOPHORONE	NA	NA	NA	NA	NA	410 U
NITROBENZENE	NA	NA	NA	NA	NA	410 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	410 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	410 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	1000 U
PHENOL	NA	NA	NA	NA	NA	410 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	410 U
ACENAPHTHENE	NA	NA	NA	NA	NA	410 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	410 U
ANTHRACENE	NA	NA	NA	NA	NA	410 U
BAP EQUIVALENT-HALFND	9.4	1.7 U	40.4	20.9	1.7 U	354
BAP EQUIVALENT-POS	8.4	1.7 U	39.7	20.0	1.7 U	149
BENZO(A)ANTHRACENE	1.2 U	1.2 U	21	13	1.3 U	110 J
BENZO(A)PYRENE	8.4	1.7 U	32	16	1.7 U	120 J
BENZO(B)FLUORANTHENE	1.5 U	1.5 U	36	17	1.6 U	84 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	110 J
BENZO(K)FLUORANTHENE	2.1 U	2.2 U	13	2.2 U	2.3 U	140 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-63RE-5	D-SB-63RE-6	D-SB-63RE-7	D-SB-63RE-8	D-SB-63RE-9	SB-63-05
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20040924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	32	18	1.2 U	150 J
DIBENZO(A,H)ANTHRACENE	1.6 U	1.7 U	1.5 U	1.7 U	1.7 U	410 U
FLUORANTHENE	NA	NA	NA	NA	NA	150 J
FLUORENE	NA	NA	NA	NA	NA	410 U
INDENO(1,2,3-CD)PYRENE	1.8 U	1.9 U	18	9.9	2 U	79 J
NAPHTHALENE	NA	NA	NA	NA	NA	410 U
PHENANTHRENE	NA	NA	NA	NA	NA	49 J
PYRENE	NA	NA	NA	NA	NA	250 J
TOTAL PAHS	8.4	0 U	152	73.9	0 U	1242
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	300 U
AROCLOR-1221	NA	NA	NA	NA	NA	300 U
AROCLOR-1232	NA	NA	NA	NA	NA	300 U
AROCLOR-1242	NA	NA	NA	NA	NA	300 U
AROCLOR-1248	NA	NA	NA	NA	NA	300 U
AROCLOR-1254	NA	NA	NA	NA	NA	300 U
AROCLOR-1260	NA	NA	NA	NA	NA	300 U
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	3 UL
ARSENIC	NA	NA	NA	NA	NA	1.2 K
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-63RE-5	D-SB-63RE-6	D-SB-63RE-7	D-SB-63RE-8	D-SB-63RE-9	SB-63-05
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20040924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5
BOTTOM DEPTH	5	6	7	8	9	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	3 U
CADMIUM	NA	NA	NA	NA	NA	3 U
CHROMIUM	NA	NA	NA	NA	NA	22 J
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	13 J
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	9 K
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	0.12 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	16 K
SELENIUM	NA	NA	NA	NA	NA	3 U
SILVER	NA	NA	NA	NA	NA	3 UR
THALLIUM	NA	NA	NA	NA	NA	2.4 U
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	36 L
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	12000 U
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	120 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063A	SB-063A	SB-063B	SB-063B	SB-063C
SAMPLE ID	SB-63-10	D-SB-63REA-4	D-SB-63REA-6	D-SB-63REB-4	D-SB-63REB-6	D-SB-63REC-4
SAMPLE DATE	20040924	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	6	4	6	4
BOTTOM DEPTH	10	4	6	4	6	4
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	7 UL	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	7 UL	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	7 UL	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	7 UL	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	7 UL	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	7 UL	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	7 UL	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	7 UL	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	7 UL	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	7 UL	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	7 UL	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	7 UL	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	7 UL	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	7 UL	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	7 UL	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7 UL	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	7 UL	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	7 UL	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	7 UL	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	7 UL	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	7 UL	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	7 UL	NA	NA	NA	NA	NA
2-BUTANONE	68 UL	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	7 UL	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	7 UL	NA	NA	NA	NA	NA
2-HEXANONE	68 UL	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	7 UL	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	7 UL	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	68 UL	NA	NA	NA	NA	NA
ACETONE	68 UL	NA	NA	NA	NA	NA
BENZENE	7 UL	NA	NA	NA	NA	NA
BROMOBENZENE	7 UL	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	7 UL	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	7 UL	NA	NA	NA	NA	NA
BROMOFORM	7 UL	NA	NA	NA	NA	NA
BROMOMETHANE	7 UL	NA	NA	NA	NA	NA
CARBON DISULFIDE	7 UL	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	7 UL	NA	NA	NA	NA	NA
CHLOROBENZENE	7 UL	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	7 UL	NA	NA	NA	NA	NA
CHLOROETHANE	7 UL	NA	NA	NA	NA	NA
CHLOROFORM	7 UL	NA	NA	NA	NA	NA
CHLOROMETHANE	7 UL	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	7 UL	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	7 UL	NA	NA	NA	NA	NA
DIBROMOMETHANE	7 UL	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	7 UL	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	7 UL	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063A	SB-063A	SB-063B	SB-063B	SB-063C
SAMPLE ID	SB-63-10	D-SB-63REA-4	D-SB-63REA-6	D-SB-63REB-4	D-SB-63REB-6	D-SB-63REC-4
SAMPLE DATE	20040924	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	6	4	6	4
BOTTOM DEPTH	10	4	6	4	6	4
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	7 UL	NA	NA	NA	NA	NA
M+P-XYLENES	14 UL	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	7 UL	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	7 UL	NA	NA	NA	NA	NA
NAPHTHALENE	7 UL	NA	NA	NA	NA	NA
N-BUTYLBENZENE	7 UL	NA	NA	NA	NA	NA
N-PROPYLBENZENE	7 UL	NA	NA	NA	NA	NA
O-XYLENE	7 UL	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	7 UL	NA	NA	NA	NA	NA
STYRENE	7 UL	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	7 UL	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	7 UL	NA	NA	NA	NA	NA
TOLUENE	7 UL	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	7 UL	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	7 UL	NA	NA	NA	NA	NA
TRICHLOROETHENE	7 UL	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	7 UL	NA	NA	NA	NA	NA
VINYL ACETATE	7 UL	NA	NA	NA	NA	NA
VINYL CHLORIDE	7 UL	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	450 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	450 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1100 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	450 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	450 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	450 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	1100 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	450 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	450 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	450 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	450 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	450 U	NA	NA	NA	NA	NA
2-NITROANILINE	1100 U	NA	NA	NA	NA	NA
2-NITROPHENOL	450 U	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	450 U	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	450 U	NA	NA	NA	NA	NA
3-NITROANILINE	1100 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	1000 U	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	450 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	450 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	450 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	450 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1100 U	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063A	SB-063A	SB-063B	SB-063B	SB-063C
SAMPLE ID	SB-63-10	D-SB-63REA-4	D-SB-63REA-6	D-SB-63REB-4	D-SB-63REB-6	D-SB-63REC-4
SAMPLE DATE	20040924	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	6	4	6	4
BOTTOM DEPTH	10	4	6	4	6	4
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	1100 U	NA	NA	NA	NA	NA
ACETOPHENONE	450 U	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	450 U	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	450 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	450 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	450 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	450 U	NA	NA	NA	NA	NA
CAPROLACTAM	450 U	NA	NA	NA	NA	NA
CARBAZOLE	450 U	NA	NA	NA	NA	NA
DIBENZOFURAN	450 U	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	450 U	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	450 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	450 U	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	450 U	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	450 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	450 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	450 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	450 U	NA	NA	NA	NA	NA
ISOPHORONE	450 U	NA	NA	NA	NA	NA
NITROBENZENE	450 U	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	450 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	450 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	1100 U	NA	NA	NA	NA	NA
PHENOL	450 U	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	450 U	NA	NA	NA	NA	NA
ACENAPHTHENE	450 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	450 U	NA	NA	NA	NA	NA
ANTHRACENE	450 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	450 U	11.5	1.5 U	1.6 U	1.6 U	46.3
BAP EQUIVALENT-POS	450 U	10.5	1.5 U	1.6 U	1.6 U	45.5
BENZO(A)ANTHRACENE	450 U	1.1 U	1.1 U	1.2 U	1.1 U	36
BENZO(A)PYRENE	450 U	9.4	1.5 U	1.6 U	1.6 U	35
BENZO(B)FLUORANTHENE	450 U	11	1.4 U	1.5 U	1.5 U	49
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	450 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	450 U	2 U	2 U	2.1 U	2.1 U	12
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063A	SB-063A	SB-063B	SB-063B	SB-063C
SAMPLE ID	SB-63-10	D-SB-63REA-4	D-SB-63REA-6	D-SB-63REB-4	D-SB-63REB-6	D-SB-63REC-4
SAMPLE DATE	20040924	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	6	4	6	4
BOTTOM DEPTH	10	4	6	4	6	4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	450 U	1.1 U	1.1 U	1.1 U	1.1 U	37
DIBENZO(A,H)ANTHRACENE	450 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	450 U	NA	NA	NA	NA	NA
FLUORENE	450 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	450 U	1.8 U	1.8 U	1.8 U	1.8 U	18
NAPHTHALENE	450 U	NA	NA	NA	NA	NA
PHENANTHRENE	450 U	NA	NA	NA	NA	NA
PYRENE	450 U	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	20.4	0 U	0 U	0 U	187
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	330 U	NA	NA	NA	NA	NA
AROCLOR-1221	330 U	NA	NA	NA	NA	NA
AROCLOR-1232	330 U	NA	NA	NA	NA	NA
AROCLOR-1242	330 U	NA	NA	NA	NA	NA
AROCLOR-1248	330 U	NA	NA	NA	NA	NA
AROCLOR-1254	330 U	NA	NA	NA	NA	NA
AROCLOR-1260	330 U	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	3.2 UL	NA	NA	NA	NA	NA
ARSENIC	0.65 U	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063A	SB-063A	SB-063B	SB-063B	SB-063C
SAMPLE ID	SB-63-10	D-SB-63REA-4	D-SB-63REA-6	D-SB-63REB-4	D-SB-63REB-6	D-SB-63REC-4
SAMPLE DATE	20040924	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	6	4	6	4
BOTTOM DEPTH	10	4	6	4	6	4
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	3.2 U	NA	NA	NA	NA	NA
CADMIUM	3.2 U	NA	NA	NA	NA	NA
CHROMIUM	22 J	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	13 J	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	4.5 K	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.12 U	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	15 K	NA	NA	NA	NA	NA
SELENIUM	3.2 U	NA	NA	NA	NA	NA
SILVER	3.2 UR	NA	NA	NA	NA	NA
THALLIUM	2.6 U	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	32 UL	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	13000 U	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	140 U	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063C	SB-063D	SB-063D	SB-064	SB-065	SB-065
SAMPLE ID	D-SB-63REC-6	D-SB-63RED-4	D-SB-63RED-6	SB-64-05	D-SB-65RE-10	D-SB-65RE-3
SAMPLE DATE	20091013	20091013	20091013	20040924	20090916	20090916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	5	10	3
BOTTOM DEPTH	6	4	6	5	10	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	6 UL	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	6 UL	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	6 UL	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	6 UL	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	6 UL	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	6 UL	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	6 UL	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	6 UL	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	6 UL	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	6 UL	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	6 UL	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	6 UL	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	6 UL	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	6 UL	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	6 UL	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	6 UL	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	6 UL	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	6 UL	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	6 UL	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	6 UL	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	6 UL	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	6 UL	NA	NA
2-BUTANONE	NA	NA	NA	61 UL	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	6 UL	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	6 UL	NA	NA
2-HEXANONE	NA	NA	NA	61 UL	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	6 UL	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	6 UL	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	61 UL	NA	NA
ACETONE	NA	NA	NA	61 UL	NA	NA
BENZENE	NA	NA	NA	6 UL	NA	NA
BROMOBENZENE	NA	NA	NA	6 UL	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	6 UL	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	6 UL	NA	NA
BROMOFORM	NA	NA	NA	6 UL	NA	NA
BROMOMETHANE	NA	NA	NA	6 UL	NA	NA
CARBON DISULFIDE	NA	NA	NA	6 UL	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	6 UL	NA	NA
CHLOROBENZENE	NA	NA	NA	6 UL	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	6 UL	NA	NA
CHLOROETHANE	NA	NA	NA	6 UL	NA	NA
CHLOROFORM	NA	NA	NA	6 UL	NA	NA
CHLOROMETHANE	NA	NA	NA	6 UL	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	6 UL	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	6 UL	NA	NA
DIBROMOMETHANE	NA	NA	NA	6 UL	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	6 UL	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	6 UL	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063C	SB-063D	SB-063D	SB-064	SB-065	SB-065
SAMPLE ID	D-SB-63REC-6	D-SB-63RED-4	D-SB-63RED-6	SB-64-05	D-SB-65RE-10	D-SB-65RE-3
SAMPLE DATE	20091013	20091013	20091013	20040924	20090916	20090916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	5	10	3
BOTTOM DEPTH	6	4	6	5	10	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	6 UL	NA	NA
M+P-XYLENES	NA	NA	NA	12 UL	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	6 UL	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	6 UL	NA	NA
NAPHTHALENE	NA	NA	NA	6 UL	NA	NA
N-BUTYLBENZENE	NA	NA	NA	6 UL	NA	NA
N-PROPYLBENZENE	NA	NA	NA	6 UL	NA	NA
O-XYLENE	NA	NA	NA	6 UL	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	6 UL	NA	NA
STYRENE	NA	NA	NA	6 UL	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	6 UL	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	6 UL	NA	NA
TOLUENE	NA	NA	NA	6 UL	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	6 UL	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	6 UL	NA	NA
TRICHLOROETHENE	NA	NA	NA	6 UL	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	6 UL	NA	NA
VINYL ACETATE	NA	NA	NA	6 UL	NA	NA
VINYL CHLORIDE	NA	NA	NA	6 UL	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	410 U	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	410 U	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	1000 U	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	410 U	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	410 U	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	410 U	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	1000 U	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	410 U	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	410 U	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	410 U	NA	NA
2-CHLOROPHENOL	NA	NA	NA	410 U	NA	NA
2-METHYLPHENOL	NA	NA	NA	410 U	NA	NA
2-NITROANILINE	NA	NA	NA	1000 U	NA	NA
2-NITROPHENOL	NA	NA	NA	410 U	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	410 U	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	410 U	NA	NA
3-NITROANILINE	NA	NA	NA	1000 U	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	940 U	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	410 U	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	410 U	NA	NA
4-CHLOROANILINE	NA	NA	NA	410 U	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	410 U	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	1000 U	NA	NA

LOCATION	SB-063C	SB-063D	SB-063D	SB-064	SB-065	SB-065
SAMPLE ID	D-SB-63REC-6	D-SB-63RED-4	D-SB-63RED-6	SB-64-05	D-SB-65RE-10	D-SB-65RE-3
SAMPLE DATE	20091013	20091013	20091013	20040924	20090916	20090916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	5	10	3
BOTTOM DEPTH	6	4	6	5	10	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	1000 U	NA	NA
ACETOPHENONE	NA	NA	NA	410 U	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	410 U	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	410 U	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	410 U	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	410 U	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	410 U	NA	NA
CAPROLACTAM	NA	NA	NA	410 U	NA	NA
CARBAZOLE	NA	NA	NA	410 U	NA	NA
DIBENZOFURAN	NA	NA	NA	410 U	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	410 U	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	410 U	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	410 U	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	410 U	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	410 U	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	410 U	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	410 U	NA	NA
HEXACHLOROETHANE	NA	NA	NA	410 U	NA	NA
ISOPHORONE	NA	NA	NA	410 U	NA	NA
NITROBENZENE	NA	NA	NA	410 U	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	410 U	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	410 U	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	1000 U	NA	NA
PHENOL	NA	NA	NA	410 U	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	410 U	NA	NA
ACENAPHTHENE	NA	NA	NA	410 U	NA	NA
ACENAPHTHYLENE	NA	NA	NA	410 U	NA	NA
ANTHRACENE	NA	NA	NA	410 U	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1.5 U	410 U	1.5 U	15.1
BAP EQUIVALENT-POS	1.5 U	1.6 U	1.5 U	410 U	1.5 U	14.3
BENZO(A)ANTHRACENE	1.1 U	1.2 U	1.1 U	410 U	1.1 U	9.1
BENZO(A)PYRENE	1.5 U	1.6 U	1.5 U	410 U	1.5 U	11
BENZO(B)FLUORANTHENE	1.4 U	1.5 U	1.4 U	410 U	1.4 U	14
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	410 U	NA	NA
BENZO(K)FLUORANTHENE	2 U	2.1 U	2 U	410 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063C	SB-063D	SB-063D	SB-064	SB-065	SB-065
SAMPLE ID	D-SB-63REC-6	D-SB-63RED-4	D-SB-63RED-6	SB-64-05	D-SB-65RE-10	D-SB-65RE-3
SAMPLE DATE	20091013	20091013	20091013	20040924	20090916	20090916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	5	10	3
BOTTOM DEPTH	6	4	6	5	10	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1.1 U	1.1 U	410 U	1.1 U	11
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.5 U	410 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	410 U	NA	NA
FLUORENE	NA	NA	NA	410 U	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.8 U	1.8 U	410 U	1.8 U	9.8
NAPHTHALENE	NA	NA	NA	410 U	NA	NA
PHENANTHRENE	NA	NA	NA	410 U	NA	NA
PYRENE	NA	NA	NA	410 U	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	54.9
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	300 U	NA	NA
AROCLOR-1221	NA	NA	NA	300 U	NA	NA
AROCLOR-1232	NA	NA	NA	300 U	NA	NA
AROCLOR-1242	NA	NA	NA	300 U	NA	NA
AROCLOR-1248	NA	NA	NA	300 U	NA	NA
AROCLOR-1254	NA	NA	NA	300 U	NA	NA
AROCLOR-1260	NA	NA	NA	300 U	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	0 U	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	3 UL	NA	NA
ARSENIC	NA	NA	NA	0.79 K	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063C	SB-063D	SB-063D	SB-064	SB-065	SB-065
SAMPLE ID	D-SB-63REC-6	D-SB-63RED-4	D-SB-63RED-6	SB-64-05	D-SB-65RE-10	D-SB-65RE-3
SAMPLE DATE	20091013	20091013	20091013	20040924	20090916	20090916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	5	10	3
BOTTOM DEPTH	6	4	6	5	10	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	3 U	NA	NA
CADMIUM	NA	NA	NA	3 U	NA	NA
CHROMIUM	NA	NA	NA	26 J	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	22 J	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	13 K	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	0.14	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	18 K	NA	NA
SELENIUM	NA	NA	NA	3 U	NA	NA
SILVER	NA	NA	NA	3 UR	NA	NA
THALLIUM	NA	NA	NA	2.4 U	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	30 UL	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	12000 U	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	120 U	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-65RE-5	D-SB-65RE-5-AVG	D-SB-65RE-5-D	D-SB-65RE-6	D-SB-65RE-7	D-SB-65RE-8
SAMPLE DATE	20090916	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	6	7	8
BOTTOM DEPTH	5	5	5	6	7	8
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-65RE-5	D-SB-65RE-5-AVG	D-SB-65RE-5-D	D-SB-65RE-6	D-SB-65RE-7	D-SB-65RE-8
SAMPLE DATE	20090916	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	6	7	8
BOTTOM DEPTH	5	5	5	6	7	8
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-65RE-5	D-SB-65RE-5-AVG	D-SB-65RE-5-D	D-SB-65RE-6	D-SB-65RE-7	D-SB-65RE-8
SAMPLE DATE	20090916	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	6	7	8
BOTTOM DEPTH	5	5	5	6	7	8
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-65RE-5	D-SB-65RE-5-AVG	D-SB-65RE-5-D	D-SB-65RE-6	D-SB-65RE-7	D-SB-65RE-8
SAMPLE DATE	20090916	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	6	7	8
BOTTOM DEPTH	5	5	5	6	7	8
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	1.9 U	1.9 U	1.8 U	1.7 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-065	SB-065	SB-065
SAMPLE ID	D-SB-65RE-5	D-SB-65RE-5-AVG	D-SB-65RE-5-D	D-SB-65RE-6	D-SB-65RE-7	D-SB-65RE-8
SAMPLE DATE	20090916	20090916	20090916	20090916	20090916	20090916
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	6	7	8
BOTTOM DEPTH	5	5	5	6	7	8
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-65RE-9	SB-65-05	SB-65-10	D-SB-66RE-3	D-SB-66RE-4	D-SB-66RE-5
SAMPLE DATE	20090916	20040917	20040917	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	4	5
BOTTOM DEPTH	9	5	10	3	4	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1-DICHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,1-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA
1,1-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	6 U	6 U	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
1,2-DIBROMOETHANE	NA	6 U	6 U	NA	NA	NA
1,2-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,2-DICHLOROETHANE	NA	6 U	6 U	NA	NA	NA
1,2-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	6 U	6 U	NA	NA	NA
1,3-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,3-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA
2-BUTANONE	NA	62 U	60 U	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	6 U	6 U	NA	NA	NA
2-CHLOROTOLUENE	NA	6 U	6 U	NA	NA	NA
2-HEXANONE	NA	62 U	60 U	NA	NA	NA
4-CHLOROTOLUENE	NA	6 U	6 U	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	6 U	6 U	NA	NA	NA
4-METHYL-2-PENTANONE	NA	62 U	60 U	NA	NA	NA
ACETONE	NA	62 U	60 U	NA	NA	NA
BENZENE	NA	6 U	6 U	NA	NA	NA
BROMOBENZENE	NA	6 U	6 U	NA	NA	NA
BROMOCHLOROMETHANE	NA	6 U	6 U	NA	NA	NA
BROMODICHLOROMETHANE	NA	6 U	6 U	NA	NA	NA
BROMOFORM	NA	6 U	6 U	NA	NA	NA
BROMOMETHANE	NA	6 U	6 U	NA	NA	NA
CARBON DISULFIDE	NA	6 U	6 U	NA	NA	NA
CARBON TETRACHLORIDE	NA	6 U	6 U	NA	NA	NA
CHLOROBENZENE	NA	6 U	6 U	NA	NA	NA
CHLORODIBROMOMETHANE	NA	6 U	6 U	NA	NA	NA
CHLOROETHANE	NA	6 U	6 U	NA	NA	NA
CHLOROFORM	NA	6 U	6 U	NA	NA	NA
CHLOROMETHANE	NA	6 U	6 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA
DIBROMOMETHANE	NA	6 U	6 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	6 U	6 U	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	6 U	6 U	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-65RE-9	SB-65-05	SB-65-10	D-SB-66RE-3	D-SB-66RE-4	D-SB-66RE-5
SAMPLE DATE	20090916	20040917	20040917	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	4	5
BOTTOM DEPTH	9	5	10	3	4	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	6 U	6 U	NA	NA	NA
M+P-XYLENES	NA	12 U	12 U	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	6 U	6 U	NA	NA	NA
METHYLENE CHLORIDE	NA	8 J	8 J	NA	NA	NA
NAPHTHALENE	NA	6 U	6 U	NA	NA	NA
N-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA
N-PROPYLBENZENE	NA	6 U	6 U	NA	NA	NA
O-XYLENE	NA	6 U	6 U	NA	NA	NA
SEC-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA
STYRENE	NA	6 U	6 U	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	6 U	6 U	NA	NA	NA
TOLUENE	NA	6 U	6 U	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA
TRICHLOROETHENE	NA	6 U	6 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	6 U	6 U	NA	NA	NA
VINYL ACETATE	NA	6 U	6 U	NA	NA	NA
VINYL CHLORIDE	NA	6 U	6 U	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	420 U	400 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	420 U	400 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	1100 U	1000 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	420 U	400 U	NA	NA	NA
2,4-DICHLOROPHENOL	NA	420 U	400 U	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	420 U	400 U	NA	NA	NA
2,4-DINITROPHENOL	NA	1100 U	1000 U	NA	NA	NA
2,4-DINITROTOLUENE	NA	420 U	400 U	NA	NA	NA
2,6-DINITROTOLUENE	NA	420 U	400 U	NA	NA	NA
2-CHLORONAPHTHALENE	NA	420 U	400 U	NA	NA	NA
2-CHLOROPHENOL	NA	420 U	400 U	NA	NA	NA
2-METHYLPHENOL	NA	420 U	400 U	NA	NA	NA
2-NITROANILINE	NA	1100 U	1000 U	NA	NA	NA
2-NITROPHENOL	NA	420 U	400 U	NA	NA	NA
3&4-METHYLPHENOL	NA	420 U	400 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	420 U	400 U	NA	NA	NA
3-NITROANILINE	NA	1100 U	1000 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	970 U	920 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	420 U	400 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	420 U	400 U	NA	NA	NA
4-CHLOROANILINE	NA	420 U	400 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	420 U	400 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	1100 U	1000 U	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-65RE-9	SB-65-05	SB-65-10	D-SB-66RE-3	D-SB-66RE-4	D-SB-66RE-5
SAMPLE DATE	20090916	20040917	20040917	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	4	5
BOTTOM DEPTH	9	5	10	3	4	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	1100 U	1000 U	NA	NA	NA
ACETOPHENONE	NA	420 U	400 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	420 U	400 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	420 U	400 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	420 U	400 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	420 U	400 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
CAPROLACTAM	NA	420 U	400 U	NA	NA	NA
CARBAZOLE	NA	420 U	400 U	NA	NA	NA
DIBENZOFURAN	NA	420 U	400 U	NA	NA	NA
DIETHYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
DIMETHYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	420 U	400 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	420 UJ	400 UJ	NA	NA	NA
HEXACHLOROBENZENE	NA	420 U	400 U	NA	NA	NA
HEXACHLOROBUTADIENE	NA	420 U	400 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	420 U	400 U	NA	NA	NA
HEXACHLOROETHANE	NA	420 U	400 U	NA	NA	NA
ISOPHORONE	NA	420 U	400 U	NA	NA	NA
NITROBENZENE	NA	420 U	400 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	420 U	400 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	420 U	400 U	NA	NA	NA
PENTACHLOROPHENOL	NA	1100 U	1000 U	NA	NA	NA
PHENOL	NA	420 U	400 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	420 U	400 U	NA	NA	NA
ACENAPHTHENE	NA	420 U	400 U	NA	NA	NA
ACENAPHTHYLENE	NA	420 U	400 U	NA	NA	NA
ANTHRACENE	NA	420 U	400 U	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	420 U	400 U	1.5 U	1.5 U	46.9
BAP EQUIVALENT-POS	1.6 U	420 U	400 U	1.5 U	1.5 U	46.1
BENZO(A)ANTHRACENE	1.2 U	420 U	400 U	1.1 U	1.1 U	53
BENZO(A)PYRENE	1.6 U	420 UJ	400 UJ	1.5 U	1.5 U	35
BENZO(B)FLUORANTHENE	1.5 U	420 UJ	400 UJ	1.4 U	1.4 U	39
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	420 UJ	400 UJ	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	420 UJ	400 UJ	1.9 U	2 U	17
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-65RE-9	SB-65-05	SB-65-10	D-SB-66RE-3	D-SB-66RE-4	D-SB-66RE-5
SAMPLE DATE	20090916	20040917	20040917	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	4	5
BOTTOM DEPTH	9	5	10	3	4	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	420 U	400 U	1 U	1.1 U	58
DIBENZO(A,H)ANTHRACENE	1.6 U	420 UJ	400 UJ	1.5 U	1.5 U	1.6 U
FLUORANTHENE	NA	420 U	400 U	NA	NA	NA
FLUORENE	NA	420 U	400 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	420 UJ	400 UJ	1.7 U	1.8 U	17
NAPHTHALENE	NA	420 U	400 U	NA	NA	NA
PHENANTHRENE	NA	420 U	400 U	NA	NA	NA
PYRENE	NA	420 U	400 U	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	219
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	310 U	290 U	NA	NA	NA
AROCLOR-1221	NA	310 U	290 U	NA	NA	NA
AROCLOR-1232	NA	310 U	290 U	NA	NA	NA
AROCLOR-1242	NA	310 U	290 U	NA	NA	NA
AROCLOR-1248	NA	310 U	290 U	NA	NA	NA
AROCLOR-1254	NA	310 U	290 U	NA	NA	NA
AROCLOR-1260	NA	310 U	290 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	0 U	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	3.1 UR	2.9 UR	NA	NA	NA
ARSENIC	NA	2 L	0.58 UL	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-65RE-9	SB-65-05	SB-65-10	D-SB-66RE-3	D-SB-66RE-4	D-SB-66RE-5
SAMPLE DATE	20090916	20040917	20040917	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	4	5
BOTTOM DEPTH	9	5	10	3	4	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	3.1 UL	2.9 UL	NA	NA	NA
CADMIUM	NA	3.1 UL	2.9 UL	NA	NA	NA
CHROMIUM	NA	35	16	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	23 L	17 L	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	6.5 L	3 L	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.12 U	0.12 U	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	23	14	NA	NA	NA
SELENIUM	NA	3.1 UL	2.9 UL	NA	NA	NA
SILVER	NA	3.1 UR	2.9 UR	NA	NA	NA
THALLIUM	NA	2.5 UL	2.3 UL	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	31 U	29 U	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	13000 U	12000	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	130 U	120 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066	SB-066	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-66RE-6	D-SB-66RE-7	D-SB-66RE-8	D-SB-66RE-8-AVG	D-SB-66RE-8-D	SB-66-05
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20040923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	8	8	5
BOTTOM DEPTH	6	7	8	8	8	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	6 U
2-BUTANONE	NA	NA	NA	NA	NA	57 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	6 U
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 U
2-HEXANONE	NA	NA	NA	NA	NA	57 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	6 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	6 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	57 U
ACETONE	NA	NA	NA	NA	NA	57 U
BENZENE	NA	NA	NA	NA	NA	6 U
BROMOBENZENE	NA	NA	NA	NA	NA	6 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	6 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	6 U
BROMOFORM	NA	NA	NA	NA	NA	6 U
BROMOMETHANE	NA	NA	NA	NA	NA	6 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	6 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	6 U
CHLOROBENZENE	NA	NA	NA	NA	NA	6 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	6 U
CHLOROETHANE	NA	NA	NA	NA	NA	6 U
CHLOROFORM	NA	NA	NA	NA	NA	6 U
CHLOROMETHANE	NA	NA	NA	NA	NA	6 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	6 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	6 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066	SB-066	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-66RE-6	D-SB-66RE-7	D-SB-66RE-8	D-SB-66RE-8-AVG	D-SB-66RE-8-D	SB-66-05
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20040923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	8	8	5
BOTTOM DEPTH	6	7	8	8	8	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	6 U
M+P-XYLENES	NA	NA	NA	NA	NA	11 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	6 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	10 J
NAPHTHALENE	NA	NA	NA	NA	NA	6 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	6 U
O-XYLENE	NA	NA	NA	NA	NA	6 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
STYRENE	NA	NA	NA	NA	NA	6 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	6 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	6 U
TOLUENE	NA	NA	NA	NA	NA	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	6 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	6 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	6 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	6 U
VINYL ACETATE	NA	NA	NA	NA	NA	6 U
VINYL CHLORIDE	NA	NA	NA	NA	NA	6 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	390 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	390 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	970 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	390 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	390 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	390 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	970 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	390 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	390 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	390 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	390 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	390 U
2-NITROANILINE	NA	NA	NA	NA	NA	970 U
2-NITROPHENOL	NA	NA	NA	NA	NA	390 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	390 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	390 U
3-NITROANILINE	NA	NA	NA	NA	NA	970 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	890 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	390 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	390 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	390 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	390 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	970 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066	SB-066	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-66RE-6	D-SB-66RE-7	D-SB-66RE-8	D-SB-66RE-8-AVG	D-SB-66RE-8-D	SB-66-05
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20040923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	8	8	5
BOTTOM DEPTH	6	7	8	8	8	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	970 U
ACETOPHENONE	NA	NA	NA	NA	NA	390 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	390 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	390 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	390 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	390 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	390 U
CAPROLACTAM	NA	NA	NA	NA	NA	390 U
CARBAZOLE	NA	NA	NA	NA	NA	390 U
DIBENZOFURAN	NA	NA	NA	NA	NA	390 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	390 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	390 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	61 J
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	390 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	390 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	390 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	390 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	390 U
ISOPHORONE	NA	NA	NA	NA	NA	390 U
NITROBENZENE	NA	NA	NA	NA	NA	390 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	390 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	390 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	970 U
PHENOL	NA	NA	NA	NA	NA	390 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	390 U
ACENAPHTHENE	NA	NA	NA	NA	NA	390 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	390 U
ANTHRACENE	NA	NA	NA	NA	NA	390 U
BAP EQUIVALENT-HALFND	45.4	1.6 U	1.5 U	1.55 U	1.6 U	390 U
BAP EQUIVALENT-POS	44.6	1.6 U	1.5 U	1.55 U	1.6 U	390 U
BENZO(A)ANTHRACENE	61	1.2 U	1.1 U	1.15 U	1.2 U	390 U
BENZO(A)PYRENE	33	1.6 U	1.5 U	1.55 U	1.6 U	390 U
BENZO(B)FLUORANTHENE	38	1.5 U	1.4 U	1.45 U	1.5 U	390 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	390 U
BENZO(K)FLUORANTHENE	15	2.1 U	2 U	2.05 U	2.1 U	390 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066	SB-066	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-66RE-6	D-SB-66RE-7	D-SB-66RE-8	D-SB-66RE-8-AVG	D-SB-66RE-8-D	SB-66-05
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20040923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	8	8	5
BOTTOM DEPTH	6	7	8	8	8	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	75	1.1 U	1.1 U	1.1 U	1.1 U	390 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.5 U	1.55 U	1.6 U	390 U
FLUORANTHENE	NA	NA	NA	NA	NA	390 U
FLUORENE	NA	NA	NA	NA	NA	390 U
INDENO(1,2,3-CD)PYRENE	15	1.8 U	1.8 U	1.8 U	1.8 U	390 U
NAPHTHALENE	NA	NA	NA	NA	NA	390 U
PHENANTHRENE	NA	NA	NA	NA	NA	390 U
PYRENE	NA	NA	NA	NA	NA	390 U
TOTAL PAHS	237	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	290 U
AROCLOR-1221	NA	NA	NA	NA	NA	290 U
AROCLOR-1232	NA	NA	NA	NA	NA	290 U
AROCLOR-1242	NA	NA	NA	NA	NA	290 U
AROCLOR-1248	NA	NA	NA	NA	NA	290 U
AROCLOR-1254	NA	NA	NA	NA	NA	290 U
AROCLOR-1260	NA	NA	NA	NA	NA	290 U
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	2.7 UL
ARSENIC	NA	NA	NA	NA	NA	1.4
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066	SB-066	SB-066	SB-066	SB-066
SAMPLE ID	D-SB-66RE-6	D-SB-66RE-7	D-SB-66RE-8	D-SB-66RE-8-AVG	D-SB-66RE-8-D	SB-66-05
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20040923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	8	8	5
BOTTOM DEPTH	6	7	8	8	8	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	2.7 U
CADMIUM	NA	NA	NA	NA	NA	2.7 U
CHROMIUM	NA	NA	NA	NA	NA	22 J
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	23
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	7.8
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	0.11 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	2.7 U
SELENIUM	NA	NA	NA	NA	NA	4
SILVER	NA	NA	NA	NA	NA	2.7 UR
THALLIUM	NA	NA	NA	NA	NA	2.2 U
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	27 UL
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	12000 U
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	110 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066A	SB-066B	SB-066C	SB-066D	SB-066D
SAMPLE ID	SB-66-10	D-SB-66REA-4	D-SB-66REB-4	D-SB-66REC-4	D-SB-66RED-3	D-SB-66RED-4
SAMPLE DATE	20040923	20091014	20091014	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	4	4	3	4
BOTTOM DEPTH	10	4	4	4	3	4
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 U	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	NA	NA	NA	NA	NA
2-BUTANONE	59 U	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	6 U	NA	NA	NA	NA	NA
2-HEXANONE	59 U	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	6 U	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	59 U	NA	NA	NA	NA	NA
ACETONE	59 U	NA	NA	NA	NA	NA
BENZENE	6 U	NA	NA	NA	NA	NA
BROMOBENZENE	6 U	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 U	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 U	NA	NA	NA	NA	NA
BROMOFORM	6 U	NA	NA	NA	NA	NA
BROMOMETHANE	6 U	NA	NA	NA	NA	NA
CARBON DISULFIDE	6 U	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 U	NA	NA	NA	NA	NA
CHLOROBENZENE	6 U	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	NA	NA	NA	NA	NA
CHLOROETHANE	6 U	NA	NA	NA	NA	NA
CHLOROFORM	6 U	NA	NA	NA	NA	NA
CHLOROMETHANE	6 U	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
DIBROMOMETHANE	6 U	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066A	SB-066B	SB-066C	SB-066D	SB-066D
SAMPLE ID	SB-66-10	D-SB-66REA-4	D-SB-66REB-4	D-SB-66REC-4	D-SB-66RED-3	D-SB-66RED-4
SAMPLE DATE	20040923	20091014	20091014	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	4	4	3	4
BOTTOM DEPTH	10	4	4	4	3	4
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	NA	NA	NA	NA	NA
M+P-XYLENES	12 U	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	8 J	NA	NA	NA	NA	NA
NAPHTHALENE	6 U	NA	NA	NA	NA	NA
N-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
N-PROPYLBENZENE	6 U	NA	NA	NA	NA	NA
O-XYLENE	6 U	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
STYRENE	6 U	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	NA	NA	NA	NA	NA
TOLUENE	6 U	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	NA	NA	NA	NA	NA
TRICHLOROETHENE	6 U	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	NA	NA	NA	NA	NA
VINYL ACETATE	6 U	NA	NA	NA	NA	NA
VINYL CHLORIDE	6 U	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	400 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	400 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	990 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	400 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	400 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	400 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	990 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	400 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	400 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	400 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	400 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	400 U	NA	NA	NA	NA	NA
2-NITROANILINE	990 U	NA	NA	NA	NA	NA
2-NITROPHENOL	400 U	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	400 U	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	400 U	NA	NA	NA	NA	NA
3-NITROANILINE	990 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	920 U	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	400 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	400 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	400 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	400 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	990 U	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066A	SB-066B	SB-066C	SB-066D	SB-066D
SAMPLE ID	SB-66-10	D-SB-66REA-4	D-SB-66REB-4	D-SB-66REC-4	D-SB-66RED-3	D-SB-66RED-4
SAMPLE DATE	20040923	20091014	20091014	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	4	4	3	4
BOTTOM DEPTH	10	4	4	4	3	4
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	990 U	NA	NA	NA	NA	NA
ACETOPHENONE	400 U	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	400 U	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	400 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	400 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	400 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	400 U	NA	NA	NA	NA	NA
CAPROLACTAM	400 U	NA	NA	NA	NA	NA
CARBAZOLE	400 U	NA	NA	NA	NA	NA
DIBENZOFURAN	400 U	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	400 U	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	400 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	76 J	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	400 U	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	400 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	400 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	400 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	400 U	NA	NA	NA	NA	NA
ISOPHORONE	400 U	NA	NA	NA	NA	NA
NITROBENZENE	400 U	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	400 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	400 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	990 U	NA	NA	NA	NA	NA
PHENOL	400 U	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	400 U	NA	NA	NA	NA	NA
ACENAPHTHENE	400 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	400 U	NA	NA	NA	NA	NA
ANTHRACENE	400 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	400 U	1.5 U	3.335	1.5 U	62.2	1.5 U
BAP EQUIVALENT-POS	400 U	1.5 U	1.74	1.5 U	62.2	1.5 U
BENZO(A)ANTHRACENE	400 U	1.1 U	7.7	1.1 U	37	1.1 U
BENZO(A)PYRENE	400 U	1.5 U	1.5 U	1.5 U	39	1.5 U
BENZO(B)FLUORANTHENE	400 U	1.4 U	9.7	1.4 U	47	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	400 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	400 U	2 U	1.9 U	1.9 U	23	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066A	SB-066B	SB-066C	SB-066D	SB-066D
SAMPLE ID	SB-66-10	D-SB-66REA-4	D-SB-66REB-4	D-SB-66REC-4	D-SB-66RED-3	D-SB-66RED-4
SAMPLE DATE	20040923	20091014	20091014	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	4	4	3	4
BOTTOM DEPTH	10	4	4	4	3	4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	400 U	1 U	1 U	1 U	32	1.1 U
DIBENZO(A,H)ANTHRACENE	400 U	1.5 U	1.5 U	1.5 U	12	1.5 U
FLUORANTHENE	400 U	NA	NA	NA	NA	NA
FLUORENE	400 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	400 U	1.7 U	1.7 U	1.7 U	25	1.8 U
NAPHTHALENE	400 U	NA	NA	NA	NA	NA
PHENANTHRENE	400 U	NA	NA	NA	NA	NA
PYRENE	400 U	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	17.4	0 U	215	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	290 U	NA	NA	NA	NA	NA
AROCLOR-1221	290 U	NA	NA	NA	NA	NA
AROCLOR-1232	290 U	NA	NA	NA	NA	NA
AROCLOR-1242	290 U	NA	NA	NA	NA	NA
AROCLOR-1248	290 U	NA	NA	NA	NA	NA
AROCLOR-1254	290 U	NA	NA	NA	NA	NA
AROCLOR-1260	290 U	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	3 UL	NA	NA	NA	NA	NA
ARSENIC	1.5	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066	SB-066A	SB-066B	SB-066C	SB-066D	SB-066D
SAMPLE ID	SB-66-10	D-SB-66REA-4	D-SB-66REB-4	D-SB-66REC-4	D-SB-66RED-3	D-SB-66RED-4
SAMPLE DATE	20040923	20091014	20091014	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	4	4	4	3	4
BOTTOM DEPTH	10	4	4	4	3	4
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	3 U	NA	NA	NA	NA	NA
CADMIUM	3 U	NA	NA	NA	NA	NA
CHROMIUM	11 J	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	7.7	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	6.3	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.12 U	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	7.7	NA	NA	NA	NA	NA
SELENIUM	3 U	NA	NA	NA	NA	NA
SILVER	3 UR	NA	NA	NA	NA	NA
THALLIUM	2.4 U	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	35 J	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	12000 U	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	120 U	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066D	SB-066D	SB-067	SB-067	SB-239	SB-239
SAMPLE ID	D-SB-66RED-4-AVG	D-SB-66RED-4-D	SB-67-05	SB-67-10	D-SB-239RE-10	D-SB-239RE-3
SAMPLE DATE	20091014	20091014	20040927	20040927	20091006	20090914
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	5	10	10	3
BOTTOM DEPTH	4	4	5	10	10	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	7 UL	6 UL	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	7 UL	6 UL	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	7 UL	6 UL	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	7 UL	6 UL	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	7 UL	6 UL	NA	NA
1,1-DICHLOROETHANE	NA	NA	7 UL	6 UL	NA	NA
1,1-DICHLOROETHENE	NA	NA	7 UL	6 UL	NA	NA
1,1-DICHLOROPROPENE	NA	NA	7 UL	6 UL	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	7 UL	6 UL	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	7 UL	6 UL	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	7 UL	6 UL	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	7 UL	6 UL	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	7 UL	6 UL	NA	NA
1,2-DIBROMOETHANE	NA	NA	7 UL	6 UL	NA	NA
1,2-DICHLOROBENZENE	NA	NA	7 UL	6 UL	NA	NA
1,2-DICHLOROETHANE	NA	NA	7 UL	6 UL	NA	NA
1,2-DICHLOROPROPANE	NA	NA	7 UL	6 UL	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	7 UL	6 UL	NA	NA
1,3-DICHLOROBENZENE	NA	NA	7 UL	6 UL	NA	NA
1,3-DICHLOROPROPANE	NA	NA	7 UL	6 UL	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	7 UL	6 UL	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	7 UL	6 UL	NA	NA
2-BUTANONE	NA	NA	72 UL	59 UL	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	7 UL	6 UL	NA	NA
2-CHLOROTOLUENE	NA	NA	7 UL	6 UL	NA	NA
2-HEXANONE	NA	NA	72 UL	59 UL	NA	NA
4-CHLOROTOLUENE	NA	NA	7 UL	6 UL	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	7 UL	6 UL	NA	NA
4-METHYL-2-PENTANONE	NA	NA	72 UL	59 UL	NA	NA
ACETONE	NA	NA	72 UL	59 UL	NA	NA
BENZENE	NA	NA	7 UL	6 UL	NA	NA
BROMOBENZENE	NA	NA	7 UL	6 UL	NA	NA
BROMOCHLOROMETHANE	NA	NA	7 UL	6 UL	NA	NA
BROMODICHLOROMETHANE	NA	NA	7 UL	6 UL	NA	NA
BROMOFORM	NA	NA	7 UL	6 UL	NA	NA
BROMOMETHANE	NA	NA	7 UL	6 UL	NA	NA
CARBON DISULFIDE	NA	NA	7 UL	6 UL	NA	NA
CARBON TETRACHLORIDE	NA	NA	7 UL	6 UL	NA	NA
CHLOROBENZENE	NA	NA	7 UL	6 UL	NA	NA
CHLORODIBROMOMETHANE	NA	NA	7 UL	6 UL	NA	NA
CHLOROETHANE	NA	NA	7 UL	6 UL	NA	NA
CHLOROFORM	NA	NA	7 UL	6 UL	NA	NA
CHLOROMETHANE	NA	NA	7 UL	6 UL	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	7 UL	6 UL	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	7 UL	6 UL	NA	NA
DIBROMOMETHANE	NA	NA	7 UL	6 UL	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	7 UL	6 UL	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	7 UL	6 UL	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066D	SB-066D	SB-067	SB-067	SB-239	SB-239
SAMPLE ID	D-SB-66RED-4-AVG	D-SB-66RED-4-D	SB-67-05	SB-67-10	D-SB-239RE-10	D-SB-239RE-3
SAMPLE DATE	20091014	20091014	20040927	20040927	20091006	20090914
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	5	10	10	3
BOTTOM DEPTH	4	4	5	10	10	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	7 UL	6 UL	NA	NA
M+P-XYLENES	NA	NA	14 UL	12 UL	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	7 UL	6 UL	NA	NA
METHYLENE CHLORIDE	NA	NA	7 UL	6 UL	NA	NA
NAPHTHALENE	NA	NA	7 UL	6 UL	NA	NA
N-BUTYLBENZENE	NA	NA	7 UL	6 UL	NA	NA
N-PROPYLBENZENE	NA	NA	7 UL	6 UL	NA	NA
O-XYLENE	NA	NA	7 UL	6 UL	NA	NA
SEC-BUTYLBENZENE	NA	NA	7 UL	6 UL	NA	NA
STYRENE	NA	NA	7 UL	6 UL	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	7 UL	6 UL	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	7 UL	6 UL	NA	NA
TOLUENE	NA	NA	7 UL	6 UL	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	7 UL	6 UL	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	7 UL	6 UL	NA	NA
TRICHLOROETHENE	NA	NA	7 UL	6 UL	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	7 UL	6 UL	NA	NA
VINYL ACETATE	NA	NA	7 UL	6 UL	NA	NA
VINYL CHLORIDE	NA	NA	7 UL	6 UL	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	490 U	410 U	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	490 U	410 U	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	1200 U	1000 U	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	490 U	410 U	NA	NA
2,4-DICHLOROPHENOL	NA	NA	490 U	410 U	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	490 U	410 U	NA	NA
2,4-DINITROPHENOL	NA	NA	1200 U	1000 U	NA	NA
2,4-DINITROTOLUENE	NA	NA	490 U	410 U	NA	NA
2,6-DINITROTOLUENE	NA	NA	490 U	410 U	NA	NA
2-CHLORONAPHTHALENE	NA	NA	490 U	410 U	NA	NA
2-CHLOROPHENOL	NA	NA	490 U	410 U	NA	NA
2-METHYLPHENOL	NA	NA	490 U	410 U	NA	NA
2-NITROANILINE	NA	NA	1200 U	1000 U	NA	NA
2-NITROPHENOL	NA	NA	490 U	410 U	NA	NA
3&4-METHYLPHENOL	NA	NA	490 U	410 U	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	490 U	410 U	NA	NA
3-NITROANILINE	NA	NA	1200 U	1000 U	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	1100 U	930 U	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	490 U	410 U	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	490 U	410 U	NA	NA
4-CHLOROANILINE	NA	NA	490 U	410 U	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	490 U	410 U	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	1200 U	1000 U	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066D	SB-066D	SB-067	SB-067	SB-239	SB-239
SAMPLE ID	D-SB-66RED-4-AVG	D-SB-66RED-4-D	SB-67-05	SB-67-10	D-SB-239RE-10	D-SB-239RE-3
SAMPLE DATE	20091014	20091014	20040927	20040927	20091006	20090914
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	5	10	10	3
BOTTOM DEPTH	4	4	5	10	10	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	1200 U	1000 U	NA	NA
ACETOPHENONE	NA	NA	490 U	410 U	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	490 U	410 U	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	490 U	410 U	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	490 U	410 U	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	490 U	410 U	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	490 U	410 U	NA	NA
CAPROLACTAM	NA	NA	490 U	410 U	NA	NA
CARBAZOLE	NA	NA	490 U	410 U	NA	NA
DIBENZOFURAN	NA	NA	490 U	410 U	NA	NA
DIETHYL PHTHALATE	NA	NA	490 U	410 U	NA	NA
DIMETHYL PHTHALATE	NA	NA	490 U	410 U	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	490 U	410 U	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	490 U	410 U	NA	NA
HEXACHLOROBENZENE	NA	NA	490 U	410 U	NA	NA
HEXACHLOROBUTADIENE	NA	NA	490 U	410 U	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	490 U	410 U	NA	NA
HEXACHLOROETHANE	NA	NA	490 U	410 U	NA	NA
ISOPHORONE	NA	NA	490 U	410 U	NA	NA
NITROBENZENE	NA	NA	490 U	410 U	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	490 U	410 U	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	490 U	410 U	NA	NA
PENTACHLOROPHENOL	NA	NA	1200 U	1000 U	NA	NA
PHENOL	NA	NA	490 U	410 U	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	490 U	410 U	NA	NA
ACENAPHTHENE	NA	NA	490 U	410 U	NA	NA
ACENAPHTHYLENE	NA	NA	490 U	410 U	NA	NA
ANTHRACENE	NA	NA	490 U	410 U	NA	NA
BAP EQUIVALENT-HALFND	8.4	16.0	490 U	410 U	26.3	3.3
BAP EQUIVALENT-POS	8.0	15.2	490 U	410 U	21.2	1.7
BENZO(A)ANTHRACENE	6.775	13	490 U	410 U	14 J	8.3
BENZO(A)PYRENE	1.5 U	1.5 U	490 U	410 U	16 J	1.5 U
BENZO(B)FLUORANTHENE	7.85	15	490 U	410 U	22 J	8.6
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	490 U	410 U	NA	NA
BENZO(K)FLUORANTHENE	7	13	490 U	410 U	9.8 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066D	SB-066D	SB-067	SB-067	SB-239	SB-239
SAMPLE ID	D-SB-66RED-4-AVG	D-SB-66RED-4-D	SB-67-05	SB-67-10	D-SB-239RE-10	D-SB-239RE-3
SAMPLE DATE	20091014	20091014	20040927	20040927	20091006	20090914
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	5	10	10	3
BOTTOM DEPTH	4	4	5	10	10	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	490 U	410 U	14 J	1 U
DIBENZO(A,H)ANTHRACENE	5.875	11	490 U	410 U	10 U	1.5 U
FLUORANTHENE	NA	NA	490 U	410 U	NA	NA
FLUORENE	NA	NA	490 U	410 U	NA	NA
INDENO(1,2,3-CD)PYRENE	6.95	13	490 U	410 U	16 J	1.7 U
NAPHTHALENE	NA	NA	490 U	410 U	NA	NA
PHENANTHRENE	NA	NA	490 U	410 U	NA	NA
PYRENE	NA	NA	490 U	410 U	NA	NA
TOTAL PAHS	32.5	65	0 U	0 U	82	16.9
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	360 U	300 U	NA	NA
AROCLOR-1221	NA	NA	360 U	300 U	NA	NA
AROCLOR-1232	NA	NA	360 U	300 U	NA	NA
AROCLOR-1242	NA	NA	360 U	300 U	NA	NA
AROCLOR-1248	NA	NA	360 U	300 U	NA	NA
AROCLOR-1254	NA	NA	360 U	300 U	NA	NA
AROCLOR-1260	NA	NA	360 U	300 U	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	0 U	0 U	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	3.6 UL	2.7 UL	NA	NA
ARSENIC	NA	NA	1.2 K	1.2 K	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-066D	SB-066D	SB-067	SB-067	SB-239	SB-239
SAMPLE ID	D-SB-66RED-4-AVG	D-SB-66RED-4-D	SB-67-05	SB-67-10	D-SB-239RE-10	D-SB-239RE-3
SAMPLE DATE	20091014	20091014	20040927	20040927	20091006	20090914
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	5	10	10	3
BOTTOM DEPTH	4	4	5	10	10	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	3.6 U	2.7 U	NA	NA
CADMIUM	NA	NA	3.6 U	2.7 U	NA	NA
CHROMIUM	NA	NA	41 J	13 J	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	9.1 J	31 J	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	4.3 K	11 K	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	0.14 U	0.11 U	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	3.6 U	27 K	NA	NA
SELENIUM	NA	NA	3.6 U	2.7 U	NA	NA
SILVER	NA	NA	3.6 UR	2.7 UR	NA	NA
THALLIUM	NA	NA	2.9 U	2.2 U	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	36 UL	50 L	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	17000	12000 U	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	150 U	120 U	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-239RE-4	D-SB-239RE-5	D-SB-239RE-6	D-SB-239RE-7	D-SB-239RE-8	D-SB-239RE-9
SAMPLE DATE	20090914	20090914	20090914	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9
BOTTOM DEPTH	4	5	6	7	8	9
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-239RE-4	D-SB-239RE-5	D-SB-239RE-6	D-SB-239RE-7	D-SB-239RE-8	D-SB-239RE-9
SAMPLE DATE	20090914	20090914	20090914	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9
BOTTOM DEPTH	4	5	6	7	8	9
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-239RE-4	D-SB-239RE-5	D-SB-239RE-6	D-SB-239RE-7	D-SB-239RE-8	D-SB-239RE-9
SAMPLE DATE	20090914	20090914	20090914	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9
BOTTOM DEPTH	4	5	6	7	8	9
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	26.2	23.6	208	417	367	1801
BAP EQUIVALENT-POS	26.2	22.9	208	417	367	1801
BENZO(A)ANTHRACENE	13	21	120	190	180	930
BENZO(A)PYRENE	12	17	140	300	260	1200
BENZO(B)FLUORANTHENE	14	22	170	350	300	1400
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	13	14	67	8.4 U	8.2 U	8.2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-239RE-4	D-SB-239RE-5	D-SB-239RE-6	D-SB-239RE-7	D-SB-239RE-8	D-SB-239RE-9
SAMPLE DATE	20090914	20090914	20090914	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9
BOTTOM DEPTH	4	5	6	7	8	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	15	23	130	190	180	850
DIBENZO(A,H)ANTHRACENE	10	1.5 U	30	42	41	270
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	14	14	84	210	180	970
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	91	111	741	1282	1141	5620
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-239	SB-239	SB-239	SB-239	SB-239
SAMPLE ID	D-SB-239RE-4	D-SB-239RE-5	D-SB-239RE-6	D-SB-239RE-7	D-SB-239RE-8	D-SB-239RE-9
SAMPLE DATE	20090914	20090914	20090914	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9
BOTTOM DEPTH	4	5	6	7	8	9
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	D-SB-240RE-10	D-SB-240RE-3	D-SB-240RE-4	D-SB-240RE-6	D-SB-240RE-7	D-SB-240RE-8
SAMPLE DATE	20090915	20090914	20090914	20090915	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	6	7	8
BOTTOM DEPTH	10	3	4	6	7	8
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	D-SB-240RE-10	D-SB-240RE-3	D-SB-240RE-4	D-SB-240RE-6	D-SB-240RE-7	D-SB-240RE-8
SAMPLE DATE	20090915	20090914	20090914	20090915	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	6	7	8
BOTTOM DEPTH	10	3	4	6	7	8
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	D-SB-240RE-10	D-SB-240RE-3	D-SB-240RE-4	D-SB-240RE-6	D-SB-240RE-7	D-SB-240RE-8
SAMPLE DATE	20090915	20090914	20090914	20090915	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	6	7	8
BOTTOM DEPTH	10	3	4	6	7	8
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	112	203	135	187	5503	2.8
BAP EQUIVALENT-POS	112	203	135	187	5503	1.0
BENZO(A)ANTHRACENE	88	160	91	130	4600	1.2 UJ
BENZO(A)PYRENE	76	140	91	130	3800	1.6 UJ
BENZO(B)FLUORANTHENE	110	190	120	160	4700	9.9 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	36	81	49	61	1900	2.1 UJ
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	D-SB-240RE-10	D-SB-240RE-3	D-SB-240RE-4	D-SB-240RE-6	D-SB-240RE-7	D-SB-240RE-8
SAMPLE DATE	20090915	20090914	20090914	20090915	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	6	7	8
BOTTOM DEPTH	10	3	4	6	7	8
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	80	160	100	140	3900	1.1 UJ
DIBENZO(A,H)ANTHRACENE	12	21	17	20	570	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	41	65	52	77	1800	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	443	817	520	718	21270	9.9
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240
SAMPLE ID	D-SB-240RE-10	D-SB-240RE-3	D-SB-240RE-4	D-SB-240RE-6	D-SB-240RE-7	D-SB-240RE-8
SAMPLE DATE	20090915	20090914	20090914	20090915	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	6	7	8
BOTTOM DEPTH	10	3	4	6	7	8
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240A
SAMPLE ID	D-SB-240RE-8-AVG	D-SB-240RE-8-D	D-SB-240REA-3	D-SB-240REA-5	D-SB-240REA-7	D-SB-240REA-7-AVG
SAMPLE DATE	20090914	20090914	20091014	20091014	20091014	20091014
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	3	5	7	7
BOTTOM DEPTH	8	8	3	5	7	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240A
SAMPLE ID	D-SB-240RE-8-AVG	D-SB-240RE-8-D	D-SB-240REA-3	D-SB-240REA-5	D-SB-240REA-7	D-SB-240REA-7-AVG
SAMPLE DATE	20090914	20090914	20091014	20091014	20091014	20091014
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	3	5	7	7
BOTTOM DEPTH	8	8	3	5	7	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240A
SAMPLE ID	D-SB-240RE-8-AVG	D-SB-240RE-8-D	D-SB-240REA-3	D-SB-240REA-5	D-SB-240REA-7	D-SB-240REA-7-AVG
SAMPLE DATE	20090914	20090914	20091014	20091014	20091014	20091014
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	3	5	7	7
BOTTOM DEPTH	8	8	3	5	7	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	15.5	28.3	46.8	326	4.6	10.0
BAP EQUIVALENT-POS	14.3	27.6	46.0	326	2.9	8.7
BENZO(A)ANTHRACENE	12.3	24 J	40	240	15	15
BENZO(A)PYRENE	10.9	21 J	35	230	1.6 U	5.4
BENZO(B)FLUORANTHENE	16.95	24 J	48	240	14	17
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	9.025	17 J	20	86	2.1 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240A
SAMPLE ID	D-SB-240RE-8-AVG	D-SB-240RE-8-D	D-SB-240REA-3	D-SB-240REA-5	D-SB-240REA-7	D-SB-240REA-7-AVG
SAMPLE DATE	20090914	20090914	20091014	20091014	20091014	20091014
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	3	5	7	7
BOTTOM DEPTH	8	8	3	5	7	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	11.775	23 J	36	310	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.55 U	1.5 U	1.5 U	36	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	8.45	16	20	110	1.8 U	5.45
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	67.45	125	199	1252	29	42
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240A
SAMPLE ID	D-SB-240RE-8-AVG	D-SB-240RE-8-D	D-SB-240REA-3	D-SB-240REA-5	D-SB-240REA-7	D-SB-240REA-7-AVG
SAMPLE DATE	20090914	20090914	20091014	20091014	20091014	20091014
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	3	5	7	7
BOTTOM DEPTH	8	8	3	5	7	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240A	SB-240A	SB-240B	SB-240B	SB-240B	SB-240B
SAMPLE ID	D-SB-240REA-7-D	D-SB-240REA-9	D-SB-240REB-3	D-SB-240REB-5	D-SB-240REB-7	D-SB-240REB-9
SAMPLE DATE	20091014	20091014	20091013	20091013	20091013	20091013
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240A	SB-240A	SB-240B	SB-240B	SB-240B	SB-240B
SAMPLE ID	D-SB-240REA-7-D	D-SB-240REA-9	D-SB-240REB-3	D-SB-240REB-5	D-SB-240REB-7	D-SB-240REB-9
SAMPLE DATE	20091014	20091014	20091013	20091013	20091013	20091013
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240A	SB-240A	SB-240B	SB-240B	SB-240B	SB-240B
SAMPLE ID	D-SB-240REA-7-D	D-SB-240REA-9	D-SB-240REB-3	D-SB-240REB-5	D-SB-240REB-7	D-SB-240REB-9
SAMPLE DATE	20091014	20091014	20091013	20091013	20091013	20091013
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	15.3	3.4	37.9	2.4	1.6 U	1.5 U
BAP EQUIVALENT-POS	14.5	1.8	37.1	0.8	1.6 U	1.5 U
BENZO(A)ANTHRACENE	15	8.7	29	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	10	1.5 U	29	1.5 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	20	9.2	37	7.9	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2 U	17	2 U	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240A	SB-240A	SB-240B	SB-240B	SB-240B	SB-240B
SAMPLE ID	D-SB-240REA-7-D	D-SB-240REA-9	D-SB-240REB-3	D-SB-240REB-5	D-SB-240REB-7	D-SB-240REB-9
SAMPLE DATE	20091014	20091014	20091013	20091013	20091013	20091013
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	42	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	10	1.8 U	13	1.8 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	55	17.9	167	7.9	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240A	SB-240A	SB-240B	SB-240B	SB-240B	SB-240B
SAMPLE ID	D-SB-240REA-7-D	D-SB-240REA-9	D-SB-240REB-3	D-SB-240REB-5	D-SB-240REB-7	D-SB-240REB-9
SAMPLE DATE	20091014	20091014	20091013	20091013	20091013	20091013
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C
SAMPLE ID	D-SB-240REC-3	D-SB-240REC-3-AVG	D-SB-240REC-3-D	D-SB-240REC-5	D-SB-240REC-7	D-SB-240REC-9
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9
BOTTOM DEPTH	3	3	3	5	7	9
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C
SAMPLE ID	D-SB-240REC-3	D-SB-240REC-3-AVG	D-SB-240REC-3-D	D-SB-240REC-5	D-SB-240REC-7	D-SB-240REC-9
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9
BOTTOM DEPTH	3	3	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C
SAMPLE ID	D-SB-240REC-3	D-SB-240REC-3-AVG	D-SB-240REC-3-D	D-SB-240REC-5	D-SB-240REC-7	D-SB-240REC-9
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9
BOTTOM DEPTH	3	3	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	108	67.4	26.7	4899	1.5 U	17.1
BAP EQUIVALENT-POS	108	67.0	25.9	4899	1.5 U	16.3
BENZO(A)ANTHRACENE	65 J	42.5	20 J	4100	1.1 U	10
BENZO(A)PYRENE	71 J	45.5	20 J	3400	1.5 U	13
BENZO(B)FLUORANTHENE	110 J	68	26 J	4600	1.3 U	13
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	31 J	21.5	12 J	1500	1.9 U	8
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C
SAMPLE ID	D-SB-240REC-3	D-SB-240REC-3-AVG	D-SB-240REC-3-D	D-SB-240REC-5	D-SB-240REC-7	D-SB-240REC-9
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9
BOTTOM DEPTH	3	3	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	66 J	43.5	21 J	3500	1 U	13
DIBENZO(A,H)ANTHRACENE	15 J	7.875	1.5 UJ	440	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	42 J	27	12 J	1700	1.7 U	8.8
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	400	255.5	111	19240	0 U	65.8
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C	SB-240C
SAMPLE ID	D-SB-240REC-3	D-SB-240REC-3-AVG	D-SB-240REC-3-D	D-SB-240REC-5	D-SB-240REC-7	D-SB-240REC-9
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9
BOTTOM DEPTH	3	3	3	5	7	9
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240D	SB-240D	SB-240D	SB-240D
SAMPLE ID	D-SB-240RED-3	D-SB-240RED-5	D-SB-240RED-7	D-SB-240RED-9
SAMPLE DATE	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
VOLATILES (UG/KG)				
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240D	SB-240D	SB-240D	SB-240D
SAMPLE ID	D-SB-240RED-3	D-SB-240RED-5	D-SB-240RED-7	D-SB-240RED-9
SAMPLE DATE	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)				
HEXACHLOROBUTADIENE	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)				
1,1-BIPHENYL	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240D	SB-240D	SB-240D	SB-240D
SAMPLE ID	D-SB-240RED-3	D-SB-240RED-5	D-SB-240RED-7	D-SB-240RED-9
SAMPLE DATE	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)				
4-NITROPHENOL	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	49.6	5759	14.1	809
BAP EQUIVALENT-POS	48.8	5759	13.2	809
BENZO(A)ANTHRACENE	39	1700	8.8	410
BENZO(A)PYRENE	38	3800	11	560
BENZO(B)FLUORANTHENE	44	4500	13	610
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	27	1700	2.1 U	230
C1-CHRYSENES	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240D	SB-240D	SB-240D	SB-240D
SAMPLE ID	D-SB-240RED-3	D-SB-240RED-5	D-SB-240RED-7	D-SB-240RED-9
SAMPLE DATE	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED				
C2-NAPHTHALENES	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
CHRYSENE	41	2000	9.7	420
DIBENZO(A,H)ANTHRACENE	1.5 U	1000	1.6 U	110
FLUORANTHENE	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	22	3200	1.8 U	340
NAPHTHALENE	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA
TOTAL PAHS	211	17900	42.5	2680
PESTICIDES/PCBS (UG/KG)				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA
METALS (MG/KG)				
ANTIMONY	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240D	SB-240D	SB-240D	SB-240D
SAMPLE ID	D-SB-240RED-3	D-SB-240RED-5	D-SB-240RED-7	D-SB-240RED-9
SAMPLE DATE	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
METALS (CONTINUED) (MG/KG)				
BERYLLIUM	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA
COBALT	NA	NA	NA	NA
COPPER	NA	NA	NA	NA
IRON	NA	NA	NA	NA
LEAD	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA
SILVER	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA
ZINC	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)				
DIESEL RANGE ORGANICS	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-243RE-10	D-SB-243RE-3	D-SB-243RE-4	D-SB-243RE-5	D-SB-243RE-6	D-SB-243RE-7
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-243RE-10	D-SB-243RE-3	D-SB-243RE-4	D-SB-243RE-5	D-SB-243RE-6	D-SB-243RE-7
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-243RE-10	D-SB-243RE-3	D-SB-243RE-4	D-SB-243RE-5	D-SB-243RE-6	D-SB-243RE-7
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	61.8	21.5	20.4	32.2	15.31
BAP EQUIVALENT-POS	1.6 U	60.9	20.7	19.6	31.4	14.41
BENZO(A)ANTHRACENE	1.2 U	29	11	11	22	10
BENZO(A)PYRENE	1.6 U	50	17	16	24	12
BENZO(B)FLUORANTHENE	1.5 U	48	15	12	27	14
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.2 U	18	2.1 U	12	20	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-243RE-10	D-SB-243RE-3	D-SB-243RE-4	D-SB-243RE-5	D-SB-243RE-6	D-SB-243RE-7
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	39	12	12	28	12
DIBENZO(A,H)ANTHRACENE	1.6 U	1.7 U	1.6 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	30	11	12	23	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	214	66	75	144	48
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-243RE-10	D-SB-243RE-3	D-SB-243RE-4	D-SB-243RE-5	D-SB-243RE-6	D-SB-243RE-7
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7
BOTTOM DEPTH	10	3	4	5	6	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-8	D-SB-243RE-8-AVG	D-SB-243RE-8-D	D-SB-243RE-9	D-SB-243REA-4	D-SB-243REB-4
SAMPLE DATE	20090915	20090915	20090915	20090915	20091012	20091012
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	8	9	4	4
BOTTOM DEPTH	8	8	8	9	4	4
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-8	D-SB-243RE-8-AVG	D-SB-243RE-8-D	D-SB-243RE-9	D-SB-243REA-4	D-SB-243REB-4
SAMPLE DATE	20090915	20090915	20090915	20090915	20091012	20091012
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	8	9	4	4
BOTTOM DEPTH	8	8	8	9	4	4
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-8	D-SB-243RE-8-AVG	D-SB-243RE-8-D	D-SB-243RE-9	D-SB-243REA-4	D-SB-243REB-4
SAMPLE DATE	20090915	20090915	20090915	20090915	20091012	20091012
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	8	9	4	4
BOTTOM DEPTH	8	8	8	9	4	4
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	2.5	4.2	1.7 U	85.9	2.6
BAP EQUIVALENT-POS	1.6 U	1.6	2.3	1.7 U	85.9	0.9
BENZO(A)ANTHRACENE	1.2 UJ	5.8	11 J	1.2 U	50	1.2 U
BENZO(A)PYRENE	1.6 U	1.7 U	1.8 U	1.7 U	56	1.6 U
BENZO(B)FLUORANTHENE	1.5 UJ	6.375	12 J	1.6 U	95	8.6
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2.25 U	2.4 U	2.2 U	28	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-8	D-SB-243RE-8-AVG	D-SB-243RE-8-D	D-SB-243RE-9	D-SB-243REA-4	D-SB-243REB-4
SAMPLE DATE	20090915	20090915	20090915	20090915	20091012	20091012
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	8	9	4	4
BOTTOM DEPTH	8	8	8	9	4	4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 UJ	5.775	11 J	1.2 U	74	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.7 U	1.8 U	1.7 U	11	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.95 U	2.1 U	2 U	40	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	17	34	0 U	354	8.6
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-243	SB-243	SB-243A	SB-243B
SAMPLE ID	D-SB-243RE-8	D-SB-243RE-8-AVG	D-SB-243RE-8-D	D-SB-243RE-9	D-SB-243REA-4	D-SB-243REB-4
SAMPLE DATE	20090915	20090915	20090915	20090915	20091012	20091012
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	8	9	4	4
BOTTOM DEPTH	8	8	8	9	4	4
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243C	SB-243D	SB-243D	SB-243D	SB-244	SB-244
SAMPLE ID	D-SB-243REC-4	D-SB-243RED-4	D-SB-243RED-4-AVG	D-SB-243RED-4-D	SB-244-05	SB-244-10
SAMPLE DATE	20091012	20091012	20091012	20091012	20050607	20050607
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	4	5	10
BOTTOM DEPTH	4	4	4	4	5	10
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243C	SB-243D	SB-243D	SB-243D	SB-244	SB-244
SAMPLE ID	D-SB-243REC-4	D-SB-243RED-4	D-SB-243RED-4-AVG	D-SB-243RED-4-D	SB-244-05	SB-244-10
SAMPLE DATE	20091012	20091012	20091012	20091012	20050607	20050607
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	4	5	10
BOTTOM DEPTH	4	4	4	4	5	10
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

LOCATION	SB-243C	SB-243D	SB-243D	SB-243D	SB-244	SB-244
SAMPLE ID	D-SB-243REC-4	D-SB-243RED-4	D-SB-243RED-4-AVG	D-SB-243RED-4-D	SB-244-05	SB-244-10
SAMPLE DATE	20091012	20091012	20091012	20091012	20050607	20050607
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	4	5	10
BOTTOM DEPTH	4	4	4	4	5	10
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.7 U	25.6	21.6	17.7	NA	NA
BAP EQUIVALENT-POS	1.7 U	24.8	20.8	16.8	NA	NA
BENZO(A)ANTHRACENE	1.2 U	20 J	15	10 J	NA	NA
BENZO(A)PYRENE	1.7 U	19	16.5	14	NA	NA
BENZO(B)FLUORANTHENE	1.5 U	21	19.5	18	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.2 U	10	5.5	2 U	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243C	SB-243D	SB-243D	SB-243D	SB-244	SB-244
SAMPLE ID	D-SB-243REC-4	D-SB-243RED-4	D-SB-243RED-4-AVG	D-SB-243RED-4-D	SB-244-05	SB-244-10
SAMPLE DATE	20091012	20091012	20091012	20091012	20050607	20050607
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	4	5	10
BOTTOM DEPTH	4	4	4	4	5	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	20	18	16	NA	NA
DIBENZO(A,H)ANTHRACENE	1.7 U	1.6 U	1.55 U	1.5 U	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	16 J	8.45	1.8 UJ	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	106	82	58	NA	NA
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	38 U	38 U
AROCLOR-1221	NA	NA	NA	NA	38 U	38 U
AROCLOR-1232	NA	NA	NA	NA	38 U	38 U
AROCLOR-1242	NA	NA	NA	NA	38 U	38 U
AROCLOR-1248	NA	NA	NA	NA	38 U	38 U
AROCLOR-1254	NA	NA	NA	NA	38 U	38 U
AROCLOR-1260	NA	NA	NA	NA	38 U	38 U
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243C	SB-243D	SB-243D	SB-243D	SB-244	SB-244
SAMPLE ID	D-SB-243REC-4	D-SB-243RED-4	D-SB-243RED-4-AVG	D-SB-243RED-4-D	SB-244-05	SB-244-10
SAMPLE DATE	20091012	20091012	20091012	20091012	20050607	20050607
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	4	5	10
BOTTOM DEPTH	4	4	4	4	5	10
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-245	SB-245	SB-246	SB-246	SB-247	SB-247
SAMPLE ID	SB-245-05	SB-245-10	SB-246-05	SB-246-10	SB-247-05	SB-247-10
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10
BOTTOM DEPTH	5	10	5	10	5	10
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-245	SB-245	SB-246	SB-246	SB-247	SB-247
SAMPLE ID	SB-245-05	SB-245-10	SB-246-05	SB-246-10	SB-247-05	SB-247-10
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10
BOTTOM DEPTH	5	10	5	10	5	10
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-245	SB-245	SB-246	SB-246	SB-247	SB-247
SAMPLE ID	SB-245-05	SB-245-10	SB-246-05	SB-246-10	SB-247-05	SB-247-10
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10
BOTTOM DEPTH	5	10	5	10	5	10
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-245	SB-245	SB-246	SB-246	SB-247	SB-247
SAMPLE ID	SB-245-05	SB-245-10	SB-246-05	SB-246-10	SB-247-05	SB-247-10
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10
BOTTOM DEPTH	5	10	5	10	5	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	38 U	38 U	40 U	40 U	42 U
AROCLOR-1221	39 U	38 U	38 U	40 U	40 U	42 U
AROCLOR-1232	39 U	38 U	38 U	40 U	40 U	42 U
AROCLOR-1242	39 U	38 U	38 U	40 U	40 U	42 U
AROCLOR-1248	39 U	38 U	38 U	40 U	40 U	42 U
AROCLOR-1254	39 U	38 U	38 U	40 U	40 U	42 U
AROCLOR-1260	39 U	38 U	38 U	40 U	40 U	42 U
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	0.7	1
ARSENIC	NA	NA	NA	NA	4	0.8 U
BARIUM	NA	NA	NA	NA	30	24

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-245	SB-245	SB-246	SB-246	SB-247	SB-247
SAMPLE ID	SB-245-05	SB-245-10	SB-246-05	SB-246-10	SB-247-05	SB-247-10
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10
BOTTOM DEPTH	5	10	5	10	5	10
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	2.5	1.3
CADMIUM	NA	NA	NA	NA	0.2	0.4
CHROMIUM	NA	NA	NA	NA	22.1	20.4
COBALT	NA	NA	NA	NA	10.7	6.2
COPPER	NA	NA	NA	NA	21	34
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	18	7
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	0.1 K	0.002 U
MOLYBDENUM	NA	NA	NA	NA	0.5 U	0.6 U
NICKEL	NA	NA	NA	NA	30	12
SELENIUM	NA	NA	NA	NA	2	4
SILVER	NA	NA	NA	NA	0.05 U	0.06 U
THALLIUM	NA	NA	NA	NA	1 U	1 U
VANADIUM	NA	NA	NA	NA	33	28.4
ZINC	NA	NA	NA	NA	57	83
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	0.37 UL	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	0.31 K	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-248	SB-248	SB-249	SB-249	SB-318	SB-318
SAMPLE ID	SB-248-05	SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506
SAMPLE DATE	20050607	20050607	20050607	20050607	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	2	5
BOTTOM DEPTH	5	10	5	10	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-248	SB-248	SB-249	SB-249	SB-318	SB-318
SAMPLE ID	SB-248-05	SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506
SAMPLE DATE	20050607	20050607	20050607	20050607	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	2	5
BOTTOM DEPTH	5	10	5	10	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-248	SB-248	SB-249	SB-249	SB-318	SB-318
SAMPLE ID	SB-248-05	SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506
SAMPLE DATE	20050607	20050607	20050607	20050607	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	2	5
BOTTOM DEPTH	5	10	5	10	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	1.5 U	1.5 U
BAP EQUIVALENT-POS	NA	NA	NA	NA	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-248	SB-248	SB-249	SB-249	SB-318	SB-318
SAMPLE ID	SB-248-05	SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506
SAMPLE DATE	20050607	20050607	20050607	20050607	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	2	5
BOTTOM DEPTH	5	10	5	10	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	40 U	38 U	40 U	39 U	NA	NA
AROCLOR-1221	40 U	38 U	40 U	39 U	NA	NA
AROCLOR-1232	40 U	38 U	40 U	39 U	NA	NA
AROCLOR-1242	40 U	38 U	40 U	39 U	NA	NA
AROCLOR-1248	40 U	38 U	40 U	39 U	NA	NA
AROCLOR-1254	40 U	38 U	40 U	39 U	NA	NA
AROCLOR-1260	40 U	38 U	40 U	39 U	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	0.8	0.3 U	0.4	0.4 U	NA	NA
ARSENIC	6	8	3 B	7	NA	NA
BARIUM	31	13	42	17	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-248	SB-248	SB-249	SB-249	SB-318	SB-318
SAMPLE ID	SB-248-05	SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506
SAMPLE DATE	20050607	20050607	20050607	20050607	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	2	5
BOTTOM DEPTH	5	10	5	10	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	1.8	2.5	2.7	2.7	NA	NA
CADMIUM	0.1	0.1	0.3	0.2	NA	NA
CHROMIUM	24.6	37.2	18	49.3	NA	NA
COBALT	11.4	30.1	19.6	3.4	NA	NA
COPPER	21	16	20	7	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	9	6	13	18	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.06 K	0.002 U	0.4 K	0.002 U	0.02 UL	0.029 L
MOLYBDENUM	0.6 B	0.5 B	0.6 U	0.9 B	NA	NA
NICKEL	13	52	37	12	NA	NA
SELENIUM	5	4	4	5	NA	NA
SILVER	0.06 U	0.05 U	0.06 U	0.06 U	NA	NA
THALLIUM	1 U	1 U	1 U	1 U	NA	NA
VANADIUM	40.3	51	24.5	90.5	NA	NA
ZINC	65	39	137	10	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	85.3	88.6
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.36 UL	0.35 UL	NA	0.35 UL	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	0.474 K	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-318	SB-319	SB-319	SB-319	SB-320	SB-320
SAMPLE ID	SB-318-0809	SB-319-0203	SB-319-0506	SB-319-0809	SB-320-0203	SB-320-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-318	SB-319	SB-319	SB-319	SB-320	SB-320
SAMPLE ID	SB-318-0809	SB-319-0203	SB-319-0506	SB-319-0809	SB-320-0203	SB-320-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-318	SB-319	SB-319	SB-319	SB-320	SB-320
SAMPLE ID	SB-318-0809	SB-319-0203	SB-319-0506	SB-319-0809	SB-320-0203	SB-320-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	15	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	15	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	15 J	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-318	SB-319	SB-319	SB-319	SB-320	SB-320
SAMPLE ID	SB-318-0809	SB-319-0203	SB-319-0506	SB-319-0809	SB-320-0203	SB-320-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	15	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-318	SB-319	SB-319	SB-319	SB-320	SB-320
SAMPLE ID	SB-318-0809	SB-319-0203	SB-319-0506	SB-319-0809	SB-320-0203	SB-320-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.055 L	0.043 L	0.024 L	0.026 L	0.028 L	0.019 UL
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	85.2	89.3	87.9	85.1	88.4	88.9
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-320	SB-321	SB-321	SB-321	SB-322	SB-322
SAMPLE ID	SB-320-0809	SB-321-0203	SB-321-0506	SB-321-0809	SB-322-0203	SB-322-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-320	SB-321	SB-321	SB-321	SB-322	SB-322
SAMPLE ID	SB-320-0809	SB-321-0203	SB-321-0506	SB-321-0809	SB-322-0203	SB-322-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-320	SB-321	SB-321	SB-321	SB-322	SB-322
SAMPLE ID	SB-320-0809	SB-321-0203	SB-321-0506	SB-321-0809	SB-322-0203	SB-322-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	940	1.5 U	1.5 U	13.0	1.5 U
BAP EQUIVALENT-POS	1.5 U	940	1.5 U	1.5 U	13.0	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	940	1.5 U	1.5 U	13 J	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-320	SB-321	SB-321	SB-321	SB-322	SB-322
SAMPLE ID	SB-320-0809	SB-321-0203	SB-321-0506	SB-321-0809	SB-322-0203	SB-322-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	940	0 U	0 U	13	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-320	SB-321	SB-321	SB-321	SB-322	SB-322
SAMPLE ID	SB-320-0809	SB-321-0203	SB-321-0506	SB-321-0809	SB-322-0203	SB-322-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.035 L	0.06 L	0.02 UL	0.02 UL	0.019 UL	0.035 L
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	86.9	89.2	85.4	85	85.5	86.8
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-322	SB-323	SB-323	SB-323	SB-324	SB-324
SAMPLE ID	SB-322-0809	SB-323-0203	SB-323-0506	SB-323-0809	SB-324-0203	SB-324-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-322	SB-323	SB-323	SB-323	SB-324	SB-324
SAMPLE ID	SB-322-0809	SB-323-0203	SB-323-0506	SB-323-0809	SB-324-0203	SB-324-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-322	SB-323	SB-323	SB-323	SB-324	SB-324
SAMPLE ID	SB-322-0809	SB-323-0203	SB-323-0506	SB-323-0809	SB-324-0203	SB-324-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-322	SB-323	SB-323	SB-323	SB-324	SB-324
SAMPLE ID	SB-322-0809	SB-323-0203	SB-323-0506	SB-323-0809	SB-324-0203	SB-324-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-322	SB-323	SB-323	SB-323	SB-324	SB-324
SAMPLE ID	SB-322-0809	SB-323-0203	SB-323-0506	SB-323-0809	SB-324-0203	SB-324-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.019 UL	0.019 UL	0.019 UL	0.057 L	0.036 L	0.031 L
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	86.5	89.6	86.6	83.1	89.6	87.5
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-324	SB-325	SB-325	SB-325	SB-326	SB-326
SAMPLE ID	SB-324-0809	SB-325-0203	SB-325-0506	SB-325-0809	SB-326-0203	SB-326-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-324	SB-325	SB-325	SB-325	SB-326	SB-326
SAMPLE ID	SB-324-0809	SB-325-0203	SB-325-0506	SB-325-0809	SB-326-0203	SB-326-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-324	SB-325	SB-325	SB-325	SB-326	SB-326
SAMPLE ID	SB-324-0809	SB-325-0203	SB-325-0506	SB-325-0809	SB-326-0203	SB-326-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	72.0	1.5 U	1.5 U	25.0	1.5 U
BAP EQUIVALENT-POS	1.5 U	72.0	1.5 U	1.5 U	25.0	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	72 J	1.5 U	1.5 U	25 J	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-324	SB-325	SB-325	SB-325	SB-326	SB-326
SAMPLE ID	SB-324-0809	SB-325-0203	SB-325-0506	SB-325-0809	SB-326-0203	SB-326-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	72	0 U	0 U	25	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-324	SB-325	SB-325	SB-325	SB-326	SB-326
SAMPLE ID	SB-324-0809	SB-325-0203	SB-325-0506	SB-325-0809	SB-326-0203	SB-326-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.034 L	0.057 L	0.019 UL	0.02 UL	0.093 L	0.021 L
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	87	88.2	89.2	84.6	88	88.8
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-326	SB-327	SB-327	SB-327	SB-328	SB-328
SAMPLE ID	SB-326-0809	SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506
SAMPLE DATE	20071031	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-326	SB-327	SB-327	SB-327	SB-328	SB-328
SAMPLE ID	SB-326-0809	SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506
SAMPLE DATE	20071031	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-326	SB-327	SB-327	SB-327	SB-328	SB-328
SAMPLE ID	SB-326-0809	SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506
SAMPLE DATE	20071031	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	110	130	380 U	390 U	170	400 U
BAP EQUIVALENT-POS	110	130	380 U	390 U	170	400 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	110 J	130 J	380 U	390 U	170 J	400 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-326	SB-327	SB-327	SB-327	SB-328	SB-328
SAMPLE ID	SB-326-0809	SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506
SAMPLE DATE	20071031	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	110	130	0 U	0 U	170	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-326	SB-327	SB-327	SB-327	SB-328	SB-328
SAMPLE ID	SB-326-0809	SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506
SAMPLE DATE	20071031	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.064 L	0.27	0.029 B	0.02 B	0.33	0.023 B
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	84.2	82.8	85.9	84.6	86.9	82.6
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-328	SB-329	SB-329	SB-329	SB-330	SB-330
SAMPLE ID	SB-328-0809	SB-329-0203	SB-329-0506	SB-329-0809	SB-330-0203	SB-330-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-328	SB-329	SB-329	SB-329	SB-330	SB-330
SAMPLE ID	SB-328-0809	SB-329-0203	SB-329-0506	SB-329-0809	SB-330-0203	SB-330-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-328	SB-329	SB-329	SB-329	SB-330	SB-330
SAMPLE ID	SB-328-0809	SB-329-0203	SB-329-0506	SB-329-0809	SB-330-0203	SB-330-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	35.0	27.0	410 U	390 U	110	110
BAP EQUIVALENT-POS	35.0	27.0	410 U	390 U	110	110
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	35 J	27 J	410 U	390 U	110 J	110 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-328	SB-329	SB-329	SB-329	SB-330	SB-330
SAMPLE ID	SB-328-0809	SB-329-0203	SB-329-0506	SB-329-0809	SB-330-0203	SB-330-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	35	27	0 U	0 U	110	110
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-328	SB-329	SB-329	SB-329	SB-330	SB-330
SAMPLE ID	SB-328-0809	SB-329-0203	SB-329-0506	SB-329-0809	SB-330-0203	SB-330-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.025 B	0.031 B	0.041 B	0.025 B	0.041 B	0.1 B
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	84.2	82.1	80.1	84.1	82.4	80.1
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-330	SB-331	SB-331	SB-331	SB-332	SB-332
SAMPLE ID	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809	SB-332-0203	SB-332-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-330	SB-331	SB-331	SB-331	SB-332	SB-332
SAMPLE ID	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809	SB-332-0203	SB-332-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-330	SB-331	SB-331	SB-331	SB-332	SB-332
SAMPLE ID	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809	SB-332-0203	SB-332-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	380 U	20.0	390 U	400 U	38.0	410 U
BAP EQUIVALENT-POS	380 U	20.0	390 U	400 U	38.0	410 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	380 U	20 J	390 U	400 U	38 J	410 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-330	SB-331	SB-331	SB-331	SB-332	SB-332
SAMPLE ID	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809	SB-332-0203	SB-332-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	20	0 U	0 U	38	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-330	SB-331	SB-331	SB-331	SB-332	SB-332
SAMPLE ID	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809	SB-332-0203	SB-332-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.035 B	0.059 B	0.035 B	0.04 B	0.064 B	0.034 B
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	86.7	86.1	84.9	82.7	86.1	80.8
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-332	SB-333	SB-333	SB-333	SB-334	SB-334
SAMPLE ID	SB-332-0809	SB-333-0203	SB-333-0506	SB-333-0809	SB-334-0203	SB-334-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-332	SB-333	SB-333	SB-333	SB-334	SB-334
SAMPLE ID	SB-332-0809	SB-333-0203	SB-333-0506	SB-333-0809	SB-334-0203	SB-334-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-332	SB-333	SB-333	SB-333	SB-334	SB-334
SAMPLE ID	SB-332-0809	SB-333-0203	SB-333-0506	SB-333-0809	SB-334-0203	SB-334-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	64.0	410 U	380 U	380 U	88.0	64.0
BAP EQUIVALENT-POS	64.0	410 U	380 U	380 U	88.0	64.0
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	64 J	410 U	380 U	380 U	88 J	64 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-332	SB-333	SB-333	SB-333	SB-334	SB-334
SAMPLE ID	SB-332-0809	SB-333-0203	SB-333-0506	SB-333-0809	SB-334-0203	SB-334-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	64	0 U	0 U	0 U	88	64
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-332	SB-333	SB-333	SB-333	SB-334	SB-334
SAMPLE ID	SB-332-0809	SB-333-0203	SB-333-0506	SB-333-0809	SB-334-0203	SB-334-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.035 B	0.062 B	0.036 B	0.025 B	0.38	0.07 B
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	82.3	81	86.4	86.6	86.3	80.7
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-334	SB-335	SB-335	SB-335	SB-336	SB-336
SAMPLE ID	SB-334-0809	SB-335-0203	SB-335-0506	SB-335-0809	SB-336-0203	SB-336-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-334	SB-335	SB-335	SB-335	SB-336	SB-336
SAMPLE ID	SB-334-0809	SB-335-0203	SB-335-0506	SB-335-0809	SB-336-0203	SB-336-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-334	SB-335	SB-335	SB-335	SB-336	SB-336
SAMPLE ID	SB-334-0809	SB-335-0203	SB-335-0506	SB-335-0809	SB-336-0203	SB-336-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	30.0	20.0	13.0	400 U	380 U	420 U
BAP EQUIVALENT-POS	30.0	20.0	13.0	400 U	380 U	420 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	30 J	20 J	13 J	400 U	380 U	420 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-334	SB-335	SB-335	SB-335	SB-336	SB-336
SAMPLE ID	SB-334-0809	SB-335-0203	SB-335-0506	SB-335-0809	SB-336-0203	SB-336-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	30	20	13	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-334	SB-335	SB-335	SB-335	SB-336	SB-336
SAMPLE ID	SB-334-0809	SB-335-0203	SB-335-0506	SB-335-0809	SB-336-0203	SB-336-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.061 B	0.3	0.06 B	0.027 B	0.066 B	0.04 B
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	78.4	83.5	82.6	83.2	87.3	79.2
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-336	SB-337	SB-337	SB-337	SB-338	SB-338
SAMPLE ID	SB-336-0809	SB-337-0203	SB-337-0506	SB-337-0809	SB-338-0203	SB-338-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-336	SB-337	SB-337	SB-337	SB-338	SB-338
SAMPLE ID	SB-336-0809	SB-337-0203	SB-337-0506	SB-337-0809	SB-338-0203	SB-338-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-336	SB-337	SB-337	SB-337	SB-338	SB-338
SAMPLE ID	SB-336-0809	SB-337-0203	SB-337-0506	SB-337-0809	SB-338-0203	SB-338-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	24.0	13.0	700	4200 U	40.0	50.0
BAP EQUIVALENT-POS	24.0	13.0	700	4200 U	40.0	50.0
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	24 J	13 J	700 J	4200 U	40 J	50 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-336	SB-337	SB-337	SB-337	SB-338	SB-338
SAMPLE ID	SB-336-0809	SB-337-0203	SB-337-0506	SB-337-0809	SB-338-0203	SB-338-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	24	13	700	0 U	40	50
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-336	SB-337	SB-337	SB-337	SB-338	SB-338
SAMPLE ID	SB-336-0809	SB-337-0203	SB-337-0506	SB-337-0809	SB-338-0203	SB-338-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.35	0.4	0.093 B	0.82	0.42	0.042 B
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	81.7	84.8	80.3	79.4	82.4	81.7
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-338	SB-339	SB-339	SB-339	SB-340	SB-340
SAMPLE ID	SB-338-0809	SB-339-0203	SB-339-0506	SB-339-0809	SB-340-0203	SB-340-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-338	SB-339	SB-339	SB-339	SB-340	SB-340
SAMPLE ID	SB-338-0809	SB-339-0203	SB-339-0506	SB-339-0809	SB-340-0203	SB-340-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

LOCATION	SB-338	SB-339	SB-339	SB-339	SB-340	SB-340
SAMPLE ID	SB-338-0809	SB-339-0203	SB-339-0506	SB-339-0809	SB-340-0203	SB-340-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	400 U	14.0	1.6 U	1.5 U	110	30.0
BAP EQUIVALENT-POS	400 U	14	1.6 U	1.5 U	110	30.0
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	400 U	14 J	1.6 U	1.5 U	110 J	30 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-338	SB-339	SB-339	SB-339	SB-340	SB-340
SAMPLE ID	SB-338-0809	SB-339-0203	SB-339-0506	SB-339-0809	SB-340-0203	SB-340-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	14	0 U	0 U	110	30
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-338	SB-339	SB-339	SB-339	SB-340	SB-340
SAMPLE ID	SB-338-0809	SB-339-0203	SB-339-0506	SB-339-0809	SB-340-0203	SB-340-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.055 B	0.13 B	0.22 J	0.025 B	0.11 B	0.39 L
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	81.8	88.4	80.2	86.7	87.3	82.3
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-340	SB-341	SB-341	SB-341	SB-342	SB-342
SAMPLE ID	SB-340-0809	SB-341-0203	SB-341-0506	SB-341-0809	SB-342-0203	SB-342-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-340	SB-341	SB-341	SB-341	SB-342	SB-342
SAMPLE ID	SB-340-0809	SB-341-0203	SB-341-0506	SB-341-0809	SB-342-0203	SB-342-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-340	SB-341	SB-341	SB-341	SB-342	SB-342
SAMPLE ID	SB-340-0809	SB-341-0203	SB-341-0506	SB-341-0809	SB-342-0203	SB-342-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.7 U	23.0	25.0	38.0	78.0	17.0
BAP EQUIVALENT-POS	1.7 U	23.0	25.0	38.0	78.0	17.0
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.7 U	23 J	25 J	38 J	78 J	17 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-340	SB-341	SB-341	SB-341	SB-342	SB-342
SAMPLE ID	SB-340-0809	SB-341-0203	SB-341-0506	SB-341-0809	SB-342-0203	SB-342-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	23	25	38	78	17
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-340	SB-341	SB-341	SB-341	SB-342	SB-342
SAMPLE ID	SB-340-0809	SB-341-0203	SB-341-0506	SB-341-0809	SB-342-0203	SB-342-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.042 B	0.073 B	0.29 L	0.31 L	0.19 J	0.84 L
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	77.7	85.3	77.8	66.1	84.1	73.7
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-342	SB-343	SB-343	SB-343	SB-344	SB-344
SAMPLE ID	SB-342-0809	SB-343-0203	SB-343-0506	SB-343-0809	SB-344-0203	SB-344-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-342	SB-343	SB-343	SB-343	SB-344	SB-344
SAMPLE ID	SB-342-0809	SB-343-0203	SB-343-0506	SB-343-0809	SB-344-0203	SB-344-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-342	SB-343	SB-343	SB-343	SB-344	SB-344
SAMPLE ID	SB-342-0809	SB-343-0203	SB-343-0506	SB-343-0809	SB-344-0203	SB-344-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.1 U	11.0	1.7 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	2.1 U	11.0	1.7 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	2.1 U	11 J	1.7 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-342	SB-343	SB-343	SB-343	SB-344	SB-344
SAMPLE ID	SB-342-0809	SB-343-0203	SB-343-0506	SB-343-0809	SB-344-0203	SB-344-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	11	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-342	SB-343	SB-343	SB-343	SB-344	SB-344
SAMPLE ID	SB-342-0809	SB-343-0203	SB-343-0506	SB-343-0809	SB-344-0203	SB-344-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5
BOTTOM DEPTH	9	3	6	9	3	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	0.043 B	0.15 B	0.19 J	0.034 B	0.14 B	0.034 B
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	62.5	79.6	75.4	79.4	81.3	80.1
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

LOCATION	**SB-344**
SAMPLE ID	**SB-344-0809**
SAMPLE DATE	**20071101**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SB**
TOP DEPTH	**8**
BOTTOM DEPTH	**9**
VOLATILES (UG/KG)	
1,1,1,2-TETRACHLOROETHANE	NA
1,1,1-TRICHLOROETHANE	NA
1,1,2,2-TETRACHLOROETHANE	NA
1,1,2-TRICHLOROETHANE	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA
1,1-DICHLOROETHANE	NA
1,1-DICHLOROETHENE	NA
1,1-DICHLOROPROPENE	NA
1,2,3-TRICHLOROBENZENE	NA
1,2,3-TRICHLOROPROPANE	NA
1,2,3-TRIMETHYLBENZENE	NA
1,2,4-TRICHLOROBENZENE	NA
1,2,4-TRIMETHYLBENZENE	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA
1,2-DIBROMOETHANE	NA
1,2-DICHLOROBENZENE	NA
1,2-DICHLOROETHANE	NA
1,2-DICHLOROPROPANE	NA
1,3,5-TRIMETHYLBENZENE	NA
1,3-DICHLOROBENZENE	NA
1,3-DICHLOROPROPANE	NA
1,3-DICHLOROPROPENE	NA
1,4-DICHLOROBENZENE	NA
1,4-DIOXANE	NA
2,2-DICHLOROPROPANE	NA
2-BUTANONE	NA
2-CHLOROETHYL VINYL ETHER	NA
2-CHLOROTOLUENE	NA
2-HEXANONE	NA
4-CHLOROTOLUENE	NA
4-ISOPROPYLTOLUENE	NA
4-METHYL-2-PENTANONE	NA
ACETONE	NA
BENZENE	NA
BROMOBENZENE	NA
BROMOCHLOROMETHANE	NA
BROMODICHLOROMETHANE	NA
BROMOFORM	NA
BROMOMETHANE	NA
CARBON DISULFIDE	NA
CARBON TETRACHLORIDE	NA
CHLOROBENZENE	NA
CHLORODIBROMOMETHANE	NA
CHLOROETHANE	NA
CHLOROFORM	NA
CHLOROMETHANE	NA
CIS-1,2-DICHLOROETHENE	NA
CIS-1,3-DICHLOROPROPENE	NA
DIBROMOMETHANE	NA
DICHLORODIFLUOROMETHANE	NA
DIISOPROPYL ETHER	NA
ETHYL TERT-BUTYL ETHER	NA
ETHYLBENZENE	NA
FLUORODICHLOROMETHANE	NA

LOCATION	SB-344
SAMPLE ID	SB-344-0809
SAMPLE DATE	20071101
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SB
TOP DEPTH	8
BOTTOM DEPTH	9
VOLATILES (CONTINUED) (UG/KG)	
HEXACHLOROBUTADIENE	NA
ISOPROPYLBENZENE	NA
M+P-XYLENES	NA
METHYL TERT-BUTYL ETHER	NA
METHYLENE CHLORIDE	NA
NAPHTHALENE	NA
N-BUTYLBENZENE	NA
N-PROPYLBENZENE	NA
O-XYLENE	NA
SEC-BUTYLBENZENE	NA
STYRENE	NA
TERT-AMYL METHYL ETHER	NA
TERT-BUTYLBENZENE	NA
TERTIARY-BUTYL ALCOHOL	NA
TETRACHLOROETHENE	NA
TOLUENE	NA
TOTAL 1,2-DICHLOROETHENE	NA
TOTAL XYLENES	NA
TRANS-1,2-DICHLOROETHENE	NA
TRANS-1,3-DICHLOROPROPENE	NA
TRICHLOROETHENE	NA
TRICHLOROFLUOROMETHANE	NA
VINYL ACETATE	NA
VINYL CHLORIDE	NA
SEMIVOLATILES (UG/KG)	
1,1-BIPHENYL	NA
1,2,4-TRICHLOROBENZENE	NA
1,2-DICHLOROBENZENE	NA
1,3-DICHLOROBENZENE	NA
1,4-DICHLOROBENZENE	NA
1,4-DIOXANE	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA
2,4,5-TRICHLOROPHENOL	NA
2,4,6-TRICHLOROPHENOL	NA
2,4-DICHLOROPHENOL	NA
2,4-DIMETHYLPHENOL	NA
2,4-DINITROPHENOL	NA
2,4-DINITROTOLUENE	NA
2,6-DINITROTOLUENE	NA
2-CHLORONAPHTHALENE	NA
2-CHLOROPHENOL	NA
2-METHYLPHENOL	NA
2-NITROANILINE	NA
2-NITROPHENOL	NA
3&4-METHYLPHENOL	NA
3,3'-DICHLOROBENZIDINE	NA
3-NITROANILINE	NA
4,6-DINITRO-2-METHYLPHENOL	NA
4-BROMOPHENYL PHENYL ETHER	NA
4-CHLORO-3-METHYLPHENOL	NA
4-CHLOROANILINE	NA
4-CHLOROPHENYL PHENYL ETHER	NA
4-METHYLPHENOL	NA
4-NITROANILINE	NA

LOCATION	SB-344
SAMPLE ID	SB-344-0809
SAMPLE DATE	20071101
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SB
TOP DEPTH	8
BOTTOM DEPTH	9
SEMIVOLATILES (CONTINUED) (UG/KG)	
4-NITROPHENOL	NA
ACETOPHENONE	NA
ANILINE	NA
ATRAZINE	NA
AZOBENZENE	NA
BENZALDEHYDE	NA
BENZIDINE	NA
BENZOIC ACID	NA
BENZYL ALCOHOL	NA
BIS(2-CHLOROETHOXY)METHANE	NA
BIS(2-CHLOROETHYL)ETHER	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA
BUTYL BENZYL PHTHALATE	NA
CAPROLACTAM	NA
CARBAZOLE	NA
DIBENZOFURAN	NA
DIETHYL PHTHALATE	NA
DIMETHYL PHTHALATE	NA
DI-N-BUTYL PHTHALATE	NA
DI-N-OCTYL PHTHALATE	NA
HEXACHLOROBENZENE	NA
HEXACHLOROBUTADIENE	NA
HEXACHLOROCYCLOPENTADIENE	NA
HEXACHLOROETHANE	NA
ISOPHORONE	NA
NITROBENZENE	NA
N-NITROSODIMETHYLAMINE	NA
N-NITROSO-DI-N-PROPYLAMINE	NA
N-NITROSODIPHENYLAMINE	NA
PENTACHLOROPHENOL	NA
PHENOL	NA
PYRIDINE	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)	
1-METHYLNAPHTHALENE	NA
2-METHYLNAPHTHALENE	NA
ACENAPHTHENE	NA
ACENAPHTHYLENE	NA
ANTHRACENE	NA
BAP EQUIVALENT-HALFND	1.8 U
BAP EQUIVALENT-POS	1.8 U
BENZO(A)ANTHRACENE	NA
BENZO(A)PYRENE	1.8 U
BENZO(B)FLUORANTHENE	NA
BENZO(B+K)FLUORANTHENE	NA
BENZO(G,H,I)PERYLENE	NA
BENZO(K)FLUORANTHENE	NA
C1-CHRYSENES	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA
C1-FLUORANTHENES/PYRENES	NA
C1-FLUORENES	NA
C1-PHENANTHRENES/ANTHRACENES	NA
C2-CHRYSENES	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA
C2-FLUORENES	NA

LOCATION	SB-344
SAMPLE ID	SB-344-0809
SAMPLE DATE	20071101
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SB
TOP DEPTH	8
BOTTOM DEPTH	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI	
C2-NAPHTHALENES	NA
C2-PHENANTHRENES/ANTHRACENES	NA
C3-CHRYSENES	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA
C3-FLUORENES	NA
C3-NAPHTHALENES	NA
C3-PHENANTHRENES/ANTHRACENES	NA
C4-CHRYSENES	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA
C4-NAPHTHALENES	NA
C4-PHENANTHRENES/ANTHRACENES	NA
CHRYSENE	NA
DIBENZO(A,H)ANTHRACENE	NA
FLUORANTHENE	NA
FLUORENE	NA
INDENO(1,2,3-CD)PYRENE	NA
NAPHTHALENE	NA
PHENANTHRENE	NA
PYRENE	NA
TOTAL PAHS	0 U
PESTICIDES/PCBS (UG/KG)	
4,4'-DDD	NA
4,4'-DDE	NA
4,4'-DDT	NA
ALDRIN	NA
ALPHA-BHC	NA
ALPHA-CHLORDANE	NA
AROCLOR-1016	NA
AROCLOR-1221	NA
AROCLOR-1232	NA
AROCLOR-1242	NA
AROCLOR-1248	NA
AROCLOR-1254	NA
AROCLOR-1260	NA
BETA-BHC	NA
DELTA-BHC	NA
DIELDRIN	NA
ENDOSULFAN I	NA
ENDOSULFAN II	NA
ENDOSULFAN SULFATE	NA
ENDRIN	NA
ENDRIN ALDEHYDE	NA
ENDRIN KETONE	NA
GAMMA-BHC (LINDANE)	NA
GAMMA-CHLORDANE	NA
HEPTACHLOR	NA
HEPTACHLOR EPOXIDE	NA
METHOXYCHLOR	NA
TOTAL AROCLOR	NA
TOXAPHENE	NA
METALS (MG/KG)	
ANTIMONY	NA
ARSENIC	NA
BARIUM	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	**SB-344**
SAMPLE ID	**SB-344-0809**
SAMPLE DATE	**20071101**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SB**
TOP DEPTH	**8**
BOTTOM DEPTH	**9**
METALS (CONTINUED) (MG/KG)	
BERYLLIUM	NA
CADMIUM	NA
CHROMIUM	NA
COBALT	NA
COPPER	NA
IRON	NA
LEAD	NA
MANGANESE	NA
MERCURY	0.052 B
MOLYBDENUM	NA
NICKEL	NA
SELENIUM	NA
SILVER	NA
THALLIUM	NA
VANADIUM	NA
ZINC	NA
PETROLEUM HYDROCARBONS (UG/KG)	
DIESEL RANGE ORGANICS	NA
GASOLINE RANGE ORGANICS	NA
TPH (C09-C36)	NA
TPH (C10-C32)	NA
MISCELLANEOUS PARAMETERS (%)	
PERCENT SOLIDS	73.4
MISCELLANEOUS PARAMETERS (MG/KG)	
HEXAVALENT CHROMIUM	NA
MISCELLANEOUS PARAMETERS (UG/KG)	
MERCURY (METHYL)	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592	SB-592	SB-592	SB-592
SAMPLE ID	D-SB-592-10	D-SB-592-10-AVG	D-SB-592-10-D	D-SB-592-3	D-SB-592-4	D-SB-592-5
SAMPLE DATE	20091006	20091006	20091006	20090914	20090914	20090914
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	10	3	4	5
BOTTOM DEPTH	10	10	10	3	4	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592	SB-592	SB-592	SB-592
SAMPLE ID	D-SB-592-10	D-SB-592-10-AVG	D-SB-592-10-D	D-SB-592-3	D-SB-592-4	D-SB-592-5
SAMPLE DATE	20091006	20091006	20091006	20090914	20090914	20090914
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	10	3	4	5
BOTTOM DEPTH	10	10	10	3	4	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592	SB-592	SB-592	SB-592
SAMPLE ID	D-SB-592-10	D-SB-592-10-AVG	D-SB-592-10-D	D-SB-592-3	D-SB-592-4	D-SB-592-5
SAMPLE DATE	20091006	20091006	20091006	20090914	20090914	20090914
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	10	3	4	5
BOTTOM DEPTH	10	10	10	3	4	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	7.0	17.4	27.8	851	931	693
BAP EQUIVALENT-POS	5.8	16.8	27.8	851	931	693
BENZO(A)ANTHRACENE	4 J	9.5	15	510	660	320
BENZO(A)PYRENE	4.5 J	10.75	17	620	630	470
BENZO(B)FLUORANTHENE	6.1 J	17.05	28 J	510	730	460
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.2 U	1.9 U	1.6 U	320	330	210
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592	SB-592	SB-592	SB-592
SAMPLE ID	D-SB-592-10	D-SB-592-10-AVG	D-SB-592-10-D	D-SB-592-3	D-SB-592-4	D-SB-592-5
SAMPLE DATE	20091006	20091006	20091006	20090914	20090914	20090914
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	10	3	4	5
BOTTOM DEPTH	10	10	10	3	4	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	4.7 J	10.35	16	500	570	390
DIBENZO(A,H)ANTHRACENE	2.4 U	3.05	4.9 J	89	120	110
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	2.5 J	9.25	16	360	380	330
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	21.8	59.35	96.9	2909	3420	2290
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592	SB-592	SB-592	SB-592
SAMPLE ID	D-SB-592-10	D-SB-592-10-AVG	D-SB-592-10-D	D-SB-592-3	D-SB-592-4	D-SB-592-5
SAMPLE DATE	20091006	20091006	20091006	20090914	20090914	20090914
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	10	3	4	5
BOTTOM DEPTH	10	10	10	3	4	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592A	SB-592A	SB-592A	SB-592B
SAMPLE ID	D-SB-592-6	D-SB-592-9	D-SB-592A-4	D-SB-592A-6	D-SB-592A-8	D-SB-592B-4
SAMPLE DATE	20090914	20091006	20091015	20091015	20091015	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	9	4	6	8	4
BOTTOM DEPTH	6	9	4	6	8	4
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592A	SB-592A	SB-592A	SB-592B
SAMPLE ID	D-SB-592-6	D-SB-592-9	D-SB-592A-4	D-SB-592A-6	D-SB-592A-8	D-SB-592B-4
SAMPLE DATE	20090914	20091006	20091015	20091015	20091015	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	9	4	6	8	4
BOTTOM DEPTH	6	9	4	6	8	4
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592A	SB-592A	SB-592A	SB-592B
SAMPLE ID	D-SB-592-6	D-SB-592-9	D-SB-592A-4	D-SB-592A-6	D-SB-592A-8	D-SB-592B-4
SAMPLE DATE	20090914	20091006	20091015	20091015	20091015	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	9	4	6	8	4
BOTTOM DEPTH	6	9	4	6	8	4
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	113	5.3	15.4	623	239	185
BAP EQUIVALENT-POS	113	4.4	14.6	623	239	185
BENZO(A)ANTHRACENE	55	5 J	11	330	190	88
BENZO(A)PYRENE	79	3 J	11	440	170	130
BENZO(B)FLUORANTHENE	74	6.4 J	16	520	210	120
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	45	1.7 U	2 U	180	100	54
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592A	SB-592A	SB-592A	SB-592B
SAMPLE ID	D-SB-592-6	D-SB-592-9	D-SB-592A-4	D-SB-592A-6	D-SB-592A-8	D-SB-592B-4
SAMPLE DATE	20090914	20091006	20091015	20091015	20091015	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	9	4	6	8	4
BOTTOM DEPTH	6	9	4	6	8	4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	76	6 J	12	370	170	97
DIBENZO(A,H)ANTHRACENE	15	1.8 U	1.5 U	72	21	25
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	57	2.6 J	8.9	240	72	88
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	401	23	58.9	2152	933	602
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592	SB-592	SB-592A	SB-592A	SB-592A	SB-592B
SAMPLE ID	D-SB-592-6	D-SB-592-9	D-SB-592A-4	D-SB-592A-6	D-SB-592A-8	D-SB-592B-4
SAMPLE DATE	20090914	20091006	20091015	20091015	20091015	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	9	4	6	8	4
BOTTOM DEPTH	6	9	4	6	8	4
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592B	SB-592B	SB-592B	SB-592B	SB-592D	SB-592D
SAMPLE ID	D-SB-592B-6	D-SB-592B-6-AVG	D-SB-592B-6-D	D-SB-592B-8	D-SB-592D-4	D-SB-592D-6
SAMPLE DATE	20091016	20091016	20091016	20091016	20091016	20091016
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	6	6	8	4	6
BOTTOM DEPTH	6	6	6	8	4	6
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592B	SB-592B	SB-592B	SB-592B	SB-592D	SB-592D
SAMPLE ID	D-SB-592B-6	D-SB-592B-6-AVG	D-SB-592B-6-D	D-SB-592B-8	D-SB-592D-4	D-SB-592D-6
SAMPLE DATE	20091016	20091016	20091016	20091016	20091016	20091016
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	6	6	8	4	6
BOTTOM DEPTH	6	6	6	8	4	6
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592B	SB-592B	SB-592B	SB-592B	SB-592D	SB-592D
SAMPLE ID	D-SB-592B-6	D-SB-592B-6-AVG	D-SB-592B-6-D	D-SB-592B-8	D-SB-592D-4	D-SB-592D-6
SAMPLE DATE	20091016	20091016	20091016	20091016	20091016	20091016
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	6	6	8	4	6
BOTTOM DEPTH	6	6	6	8	4	6
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	193	315	438	26.0	52.3	510
BAP EQUIVALENT-POS	193	315	438	25.1	51.6	510
BENZO(A)ANTHRACENE	91 J	150.5	210 J	15	26	220
BENZO(A)PYRENE	130 J	220	310 J	20	42	360
BENZO(B)FLUORANTHENE	130 J	210	290 J	22	42	350
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	63 J	96.5	130 J	11	15	150
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592B	SB-592B	SB-592B	SB-592B	SB-592D	SB-592D
SAMPLE ID	D-SB-592B-6	D-SB-592B-6-AVG	D-SB-592B-6-D	D-SB-592B-8	D-SB-592D-4	D-SB-592D-6
SAMPLE DATE	20091016	20091016	20091016	20091016	20091016	20091016
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	6	6	8	4	6
BOTTOM DEPTH	6	6	6	8	4	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	110 J	180	250 J	15	35	260
DIBENZO(A,H)ANTHRACENE	31 J	43.5	56 J	1.8 U	1.5 U	67
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	87 J	143.5	200 J	13	26	240
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	642	1044	1446	96	186	1647
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592B	SB-592B	SB-592B	SB-592B	SB-592D	SB-592D
SAMPLE ID	D-SB-592B-6	D-SB-592B-6-AVG	D-SB-592B-6-D	D-SB-592B-8	D-SB-592D-4	D-SB-592D-6
SAMPLE DATE	20091016	20091016	20091016	20091016	20091016	20091016
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	6	6	8	4	6
BOTTOM DEPTH	6	6	6	8	4	6
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592D	SB-593	SB-594	SB-595	SB-766	SB-766
SAMPLE ID	D-SB-592D-8	D-SB-593-3	D-SB-594-3	D-SB-595-3	D-SB-766-03	D-SB-766-05
SAMPLE DATE	20091016	20090914	20090914	20090914	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	3	3	3	3	5
BOTTOM DEPTH	8	3	3	3	3	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592D	SB-593	SB-594	SB-595	SB-766	SB-766
SAMPLE ID	D-SB-592D-8	D-SB-593-3	D-SB-594-3	D-SB-595-3	D-SB-766-03	D-SB-766-05
SAMPLE DATE	20091016	20090914	20090914	20090914	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	3	3	3	3	5
BOTTOM DEPTH	8	3	3	3	3	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592D	SB-593	SB-594	SB-595	SB-766	SB-766
SAMPLE ID	D-SB-592D-8	D-SB-593-3	D-SB-594-3	D-SB-595-3	D-SB-766-03	D-SB-766-05
SAMPLE DATE	20091016	20090914	20090914	20090914	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	3	3	3	3	5
BOTTOM DEPTH	8	3	3	3	3	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	3.6 U	16
2-METHYLNAPHTHALENE	NA	NA	NA	NA	3.6 U	23
ACENAPHTHENE	NA	NA	NA	NA	3.6 U	3.7 U
ACENAPHTHYLENE	NA	NA	NA	NA	3.6 U	33
ANTHRACENE	NA	NA	NA	NA	3.6 U	37
BAP EQUIVALENT-HALFND	208	86.6	83.9	19.6	3.6 U	97.4
BAP EQUIVALENT-POS	208	86.6	83.1	18.8	3.6 U	95.6
BENZO(A)ANTHRACENE	140	44	44	1.1 U	3.6 U	57
BENZO(A)PYRENE	140	63	68	16	3.6 U	76
BENZO(B)FLUORANTHENE	160	62	66	19	3.6 U	81
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	3.6 U	63
BENZO(K)FLUORANTHENE	80	22	18	1.9 U	3.6 U	33
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592D	SB-593	SB-594	SB-595	SB-766	SB-766
SAMPLE ID	D-SB-592D-8	D-SB-593-3	D-SB-594-3	D-SB-595-3	D-SB-766-03	D-SB-766-05
SAMPLE DATE	20091016	20090914	20090914	20090914	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	3	3	3	3	5
BOTTOM DEPTH	8	3	3	3	3	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	150	52	46	1 U	1.2 U	61
DIBENZO(A,H)ANTHRACENE	29	8.9	1.5 U	1.5 U	3.6 U	3.7 U
FLUORANTHENE	NA	NA	NA	NA	3.6 U	95
FLUORENE	NA	NA	NA	NA	3.6 U	3.7 U
INDENO(1,2,3-CD)PYRENE	80	38	39	9.2	3.6 U	54
NAPHTHALENE	NA	NA	NA	NA	3.6 U	16
PHENANTHRENE	NA	NA	NA	NA	3.6 U	53
PYRENE	NA	NA	NA	NA	3.6 U	140
TOTAL PAHS	779	289.9	281	44.2	0 U	822
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-592D	SB-593	SB-594	SB-595	SB-766	SB-766
SAMPLE ID	D-SB-592D-8	D-SB-593-3	D-SB-594-3	D-SB-595-3	D-SB-766-03	D-SB-766-05
SAMPLE DATE	20091016	20090914	20090914	20090914	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	3	3	3	3	5
BOTTOM DEPTH	8	3	3	3	3	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-766	SB-767	SB-767	SB-767	SB-767
SAMPLE ID	D-SB-766-07	D-SB-766-09	D-SB-767-03	D-SB-767-05	D-SB-767-07	D-SB-767-09
SAMPLE DATE	20100827	20100827	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-766	SB-767	SB-767	SB-767	SB-767
SAMPLE ID	D-SB-766-07	D-SB-766-09	D-SB-767-03	D-SB-767-05	D-SB-767-07	D-SB-767-09
SAMPLE DATE	20100827	20100827	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-766	SB-767	SB-767	SB-767	SB-767
SAMPLE ID	D-SB-766-07	D-SB-766-09	D-SB-767-03	D-SB-767-05	D-SB-767-07	D-SB-767-09
SAMPLE DATE	20100827	20100827	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	3.7 U	73	3.8 U	3.9 U	4.4 U	3.9 U
2-METHYLNAPHTHALENE	3.7 U	89	3.8 U	3.9 U	4.4 U	3.9 U
ACENAPHTHENE	3.7 U	47	3.8 U	3.9 U	4.4 U	3.9 U
ACENAPHTHYLENE	3.7 U	170	3.8 U	3.9 U	4.4 U	3.9 U
ANTHRACENE	3.7 U	140	3.8 U	3.9 U	4.4 U	3.9 U
BAP EQUIVALENT-HALFND	3.7 U	474	3.8 U	3.9 U	4.4 U	3.9 U
BAP EQUIVALENT-POS	3.7 U	472	3.8 U	3.9 U	4.4 U	3.9 U
BENZO(A)ANTHRACENE	3.7 U	350	3.8 U	3.9 U	4.4 U	3.9 U
BENZO(A)PYRENE	3.7 U	370 J	3.8 U	3.9 U	4.4 U	3.9 U
BENZO(B)FLUORANTHENE	3.7 U	460 J	3.8 U	3.9 U	4.4 U	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.7 U	250 J	3.8 U	3.9 U	4.4 U	3.9 U
BENZO(K)FLUORANTHENE	3.7 U	190 J	3.8 U	3.9 U	4.4 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	76 U	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	76 U	NA	NA	NA	NA	NA
C1-FLUORENES	76 U	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	76 U	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	76 U	NA	NA	NA	NA	NA
C2-FLUORENES	76 U	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-766	SB-767	SB-767	SB-767	SB-767
SAMPLE ID	D-SB-766-07	D-SB-766-09	D-SB-767-03	D-SB-767-05	D-SB-767-07	D-SB-767-09
SAMPLE DATE	20100827	20100827	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	76 U	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	76 U	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	76 U	NA	NA	NA	NA	NA
C3-FLUORENES	76 U	NA	NA	NA	NA	NA
C3-NAPHTHALENES	76 U	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	76 U	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	76 U	NA	NA	NA	NA	NA
C4-NAPHTHALENES	76 U	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	76 U	NA	NA	NA	NA	NA
CHRYSENE	1.2 U	330	1.3 U	1.3 U	1.5 U	1.3 U
DIBENZO(A,H)ANTHRACENE	3.7 U	3.8 UJ	3.8 U	3.9 U	4.4 U	3.9 U
FLUORANTHENE	3.7 U	500	22 J	24 J	4.4 U	3.9 U
FLUORENE	3.7 U	65	3.8 U	3.9 U	4.4 U	3.9 U
INDENO(1,2,3-CD)PYRENE	3.7 U	190 J	3.8 U	3.9 U	4.4 U	3.9 U
NAPHTHALENE	10	190	3.8 U	3.9 U	4.4 U	3.9 U
PHENANTHRENE	3.7 U	270	18 J	23 J	4.4 U	3.9 U
PYRENE	3.7 U	810	7.8	8.5	4.4 U	3.9 U
TOTAL PAHS	10	4421	47.8	55.5	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-766	SB-766	SB-767	SB-767	SB-767	SB-767
SAMPLE ID	D-SB-766-07	D-SB-766-09	D-SB-767-03	D-SB-767-05	D-SB-767-07	D-SB-767-09
SAMPLE DATE	20100827	20100827	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-768	SB-768	SB-768	SB-768	SB-769	SB-769
SAMPLE ID	D-SB-768-03	D-SB-768-05	D-SB-768-07	D-SB-768-09	D-SB-769-03	D-SB-769-05
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-768	SB-768	SB-768	SB-768	SB-769	SB-769
SAMPLE ID	D-SB-768-03	D-SB-768-05	D-SB-768-07	D-SB-768-09	D-SB-769-03	D-SB-769-05
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-768	SB-768	SB-768	SB-768	SB-769	SB-769
SAMPLE ID	D-SB-768-03	D-SB-768-05	D-SB-768-07	D-SB-768-09	D-SB-769-03	D-SB-769-05
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	3.8 U	28	4 U	3.9 U	4 U	3.9 U
2-METHYLNAPHTHALENE	3.8 U	59	4 U	3.9 U	11	3.9 U
ACENAPHTHENE	3.8 U	35 J	4 U	3.9 U	31 J	3.9 U
ACENAPHTHYLENE	3.8 U	30	4 U	3.9 U	4 U	3.9 U
ANTHRACENE	3.8 U	42 J	4 U	3.9 U	35 J	3.9 U
BAP EQUIVALENT-HALFND	3.8 U	86.7	4 U	3.9 U	4 U	3.9 U
BAP EQUIVALENT-POS	3.8 U	84.6	4 U	3.9 U	4 U	3.9 U
BENZO(A)ANTHRACENE	3.8 UJ	44	4 U	3.9 U	4 UJ	3.9 U
BENZO(A)PYRENE	3.8 UJ	72 J	4 U	3.9 U	4 UJ	3.9 U
BENZO(B)FLUORANTHENE	3.8 UJ	77 J	4 U	3.9 U	4 UJ	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.8 UJ	3.9 U	4 U	3.9 U	4 UJ	3.9 U
BENZO(K)FLUORANTHENE	3.8 UJ	43 J	4 U	3.9 U	4 UJ	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-768	SB-768	SB-768	SB-768	SB-769	SB-769
SAMPLE ID	D-SB-768-03	D-SB-768-05	D-SB-768-07	D-SB-768-09	D-SB-769-03	D-SB-769-05
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 UJ	49	1.3 U	1.3 U	1.3 UJ	1.3 U
DIBENZO(A,H)ANTHRACENE	3.8 UJ	3.9 U	4 U	3.9 U	4 UJ	3.9 U
FLUORANTHENE	3.8 U	110 J	4 U	3.9 U	91 J	3.9 U
FLUORENE	3.8 U	38 J	4 U	3.9 U	32 J	3.9 U
INDENO(1,2,3-CD)PYRENE	3.8 UJ	3.9 U	4 U	3.9 U	4 UJ	3.9 U
NAPHTHALENE	3.8 U	43	4 U	3.9 U	21	3.9 U
PHENANTHRENE	33 J	87 J	4 U	3.9 U	85	3.9 U
PYRENE	17 J	110	4 U	11	40 J	3.9 U
TOTAL PAHS	50	839	0 U	11	346	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-768	SB-768	SB-768	SB-768	SB-769	SB-769
SAMPLE ID	D-SB-768-03	D-SB-768-05	D-SB-768-07	D-SB-768-09	D-SB-769-03	D-SB-769-05
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-770	SB-770	SB-770	SB-770
SAMPLE ID	D-SB-769-07	D-SB-769-09	D-SB-770-03	D-SB-770-05	D-SB-770-07	D-SB-770-09
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-770	SB-770	SB-770	SB-770
SAMPLE ID	D-SB-769-07	D-SB-769-09	D-SB-770-03	D-SB-770-05	D-SB-770-07	D-SB-770-09
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-770	SB-770	SB-770	SB-770
SAMPLE ID	D-SB-769-07	D-SB-769-09	D-SB-770-03	D-SB-770-05	D-SB-770-07	D-SB-770-09
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	3.9 U	4.1 U	55	4 U	11	4 U
2-METHYLNAPHTHALENE	3.9 U	4.1 U	97	4 U	25	4 U
ACENAPHTHENE	3.9 U	4.1 U	200	4 U	42	4 U
ACENAPHTHYLENE	3.9 U	4.1 U	3.7 U	4 U	3.8 U	4 U
ANTHRACENE	3.9 U	4.1 U	470	4 U	56	4 U
BAP EQUIVALENT-HALFND	3.9 U	4.1 U	668.5	4 U	150.1	4 U
BAP EQUIVALENT-POS	3.9 U	4.1 U	666.7	4 U	148.2	4 U
BENZO(A)ANTHRACENE	3.9 U	4.1 U	670	4 U	150	4 U
BENZO(A)PYRENE	3.9 U	4.1 U	500	4 U	110	4 U
BENZO(B)FLUORANTHENE	3.9 U	4.1 U	710 J	4 U	160 J	4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	4.1 U	270	4 U	72	4 U
BENZO(K)FLUORANTHENE	3.9 U	4.1 U	310	4 U	39	4 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	77 U	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	77 U	NA
C1-FLUORENES	NA	NA	NA	NA	77 U	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	77 U	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	77 U	NA
C2-FLUORENES	NA	NA	NA	NA	77 U	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-770	SB-770	SB-770	SB-770
SAMPLE ID	D-SB-769-07	D-SB-769-09	D-SB-770-03	D-SB-770-05	D-SB-770-07	D-SB-770-09
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	77 U	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	77 U	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	77 U	NA
C3-FLUORENES	NA	NA	NA	NA	77 U	NA
C3-NAPHTHALENES	NA	NA	NA	NA	77 U	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	77 U	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	77 U	NA
C4-NAPHTHALENES	NA	NA	NA	NA	77 U	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	77 U	NA
CHRYSENE	1.3 U	1.4 U	590	1.3 U	130	1.3 U
DIBENZO(A,H)ANTHRACENE	3.9 U	4.1 U	3.7 U	4 U	3.8 U	4 U
FLUORANTHENE	3.9 U	4.1 U	1600	44	300	4 U
FLUORENE	3.9 U	4.1 U	210	4 U	41	4 U
INDENO(1,2,3-CD)PYRENE	3.9 U	4.1 U	250 J	4 U	67 J	4 U
NAPHTHALENE	3.9 U	4.1 U	260	4 U	57	4 U
PHENANTHRENE	3.9 U	4.1 U	1300	4 U	230	4 U
PYRENE	3.9 U	4.1 U	1200	18	230	12
TOTAL PAHS	0 U	0 U	8637	62	1709	12
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-770	SB-770	SB-770	SB-770
SAMPLE ID	D-SB-769-07	D-SB-769-09	D-SB-770-03	D-SB-770-05	D-SB-770-07	D-SB-770-09
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-771	SB-771	SB-771	SB-771	SB-772	SB-772
SAMPLE ID	D-SB-771-03	D-SB-771-05	D-SB-771-07	D-SB-771-09	D-SB-772-03	D-SB-772-05
SAMPLE DATE	20100910	20100910	20100910	20100910	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-771	SB-771	SB-771	SB-771	SB-772	SB-772
SAMPLE ID	D-SB-771-03	D-SB-771-05	D-SB-771-07	D-SB-771-09	D-SB-772-03	D-SB-772-05
SAMPLE DATE	20100910	20100910	20100910	20100910	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-771	SB-771	SB-771	SB-771	SB-772	SB-772
SAMPLE ID	D-SB-771-03	D-SB-771-05	D-SB-771-07	D-SB-771-09	D-SB-772-03	D-SB-772-05
SAMPLE DATE	20100910	20100910	20100910	20100910	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	3.5 U	3.8 U	4 U	4 U	3.9 U	4 U
2-METHYLNAPHTHALENE	3.5 U	3.8 U	4 U	4 U	3.9 U	4 U
ACENAPHTHENE	8.8	18	4 U	4 U	3.9 U	4 U
ACENAPHTHYLENE	15	3.8 U	4 U	4 U	3.9 U	4 U
ANTHRACENE	33	41	4 U	4 U	3.9 U	4 U
BAP EQUIVALENT-HALFND	131	223	13.2	4 U	3.9 U	4 U
BAP EQUIVALENT-POS	131	223	10.9	4 U	3.9 U	4 U
BENZO(A)ANTHRACENE	96	190	8.3	4 U	3.9 U	4 U
BENZO(A)PYRENE	89	150	8.7	4 U	3.9 U	4 U
BENZO(B)FLUORANTHENE	130	220	14	4 U	3.9 U	4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	92	100	4 U	4 U	3.9 U	4 U
BENZO(K)FLUORANTHENE	51	110	4 U	4 U	3.9 U	4 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-771	SB-771	SB-771	SB-771	SB-772	SB-772
SAMPLE ID	D-SB-771-03	D-SB-771-05	D-SB-771-07	D-SB-771-09	D-SB-772-03	D-SB-772-05
SAMPLE DATE	20100910	20100910	20100910	20100910	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	110	220	8.6	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	12 J	22	4 U	4 U	3.9 U	4 U
FLUORANTHENE	200	520	11	4 U	3.9 U	4 U
FLUORENE	8.5	18	4 U	4 U	3.9 U	4 U
INDENO(1,2,3-CD)PYRENE	67	90	4 U	4 U	3.9 U	4 U
NAPHTHALENE	9	3.8 U	4 U	4 U	3.9 U	8.9
PHENANTHRENE	99	270	4 U	4 U	3.9 U	11
PYRENE	170	390	10	4 U	3.9 U	8.1
TOTAL PAHS	1190.3	2359	60.6	0 U	0 U	28
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-771	SB-771	SB-771	SB-771	SB-772	SB-772
SAMPLE ID	D-SB-771-03	D-SB-771-05	D-SB-771-07	D-SB-771-09	D-SB-772-03	D-SB-772-05
SAMPLE DATE	20100910	20100910	20100910	20100910	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-772	SB-773	SB-773	SB-773	SB-773
SAMPLE ID	D-SB-772-07	D-SB-772-09	D-SB-773-03	D-SB-773-05	D-SB-773-05-AVG	D-SB-773-05-D
SAMPLE DATE	20100830	20100830	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5
BOTTOM DEPTH	7	9	3	5	5	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-772	SB-773	SB-773	SB-773	SB-773
SAMPLE ID	D-SB-772-07	D-SB-772-09	D-SB-773-03	D-SB-773-05	D-SB-773-05-AVG	D-SB-773-05-D
SAMPLE DATE	20100830	20100830	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5
BOTTOM DEPTH	7	9	3	5	5	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-772	SB-773	SB-773	SB-773	SB-773
SAMPLE ID	D-SB-772-07	D-SB-772-09	D-SB-773-03	D-SB-773-05	D-SB-773-05-AVG	D-SB-773-05-D
SAMPLE DATE	20100830	20100830	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5
BOTTOM DEPTH	7	9	3	5	5	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	8.6	28	3.9 U	3.9 U	4 U	4.1 U
2-METHYLNAPHTHALENE	16	30	3.9 U	3.9 U	4 U	4.1 U
ACENAPHTHENE	59	19	3.9 U	3.9 U	4 U	4.1 U
ACENAPHTHYLENE	3.9 U	4 U	17	3.9 U	4 U	4.1 U
ANTHRACENE	20	39	3.9 U	3.9 U	4 U	4.1 U
BAP EQUIVALENT-HALFND	22.1	94.8	38.2	3.9 U	4 U	4.1 U
BAP EQUIVALENT-POS	20.1	92.8	36.0	3.9 U	4 U	4.1 U
BENZO(A)ANTHRACENE	18	100	3.9 U	3.9 U	4 U	4.1 U
BENZO(A)PYRENE	14	68	28	3.9 U	4 U	4.1 U
BENZO(B)FLUORANTHENE	22 J	96 J	44	3.9 U	4 U	4.1 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	11	43	32	3.9 U	4 U	4.1 U
BENZO(K)FLUORANTHENE	3.9 U	33	19	3.9 U	4 U	4.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-772	SB-773	SB-773	SB-773	SB-773
SAMPLE ID	D-SB-772-07	D-SB-772-09	D-SB-773-03	D-SB-773-05	D-SB-773-05-AVG	D-SB-773-05-D
SAMPLE DATE	20100830	20100830	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5
BOTTOM DEPTH	7	9	3	5	5	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	18	87	30	1.3 U	1.35 U	1.4 U
DIBENZO(A,H)ANTHRACENE	3.9 U	4 U	3.9 U	3.9 U	4 U	4.1 U
FLUORANTHENE	48	170	28	3.9 U	4 U	4.1 U
FLUORENE	34	42	3.9 U	3.9 U	4 U	4.1 U
INDENO(1,2,3-CD)PYRENE	21 J	48 J	34	3.9 U	4 U	4.1 U
NAPHTHALENE	19	13	3.9 U	3.9 U	4 U	4.1 U
PHENANTHRENE	98	210	3.9 U	3.9 U	4 U	4.1 U
PYRENE	37	190	51	3.9 U	4 U	4.1 U
TOTAL PAHS	435	1188	283	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-772	SB-772	SB-773	SB-773	SB-773	SB-773
SAMPLE ID	D-SB-772-07	D-SB-772-09	D-SB-773-03	D-SB-773-05	D-SB-773-05-AVG	D-SB-773-05-D
SAMPLE DATE	20100830	20100830	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5
BOTTOM DEPTH	7	9	3	5	5	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-773	SB-774	SB-774	SB-774	SB-774	SB-775
SAMPLE ID	D-SB-773-09	D-SB-774-03	D-SB-774-05	D-SB-774-07	D-SB-774-09	D-SB-775-03
SAMPLE DATE	20100831	20100910	20100910	20100910	20100910	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-773	SB-774	SB-774	SB-774	SB-774	SB-775
SAMPLE ID	D-SB-773-09	D-SB-774-03	D-SB-774-05	D-SB-774-07	D-SB-774-09	D-SB-775-03
SAMPLE DATE	20100831	20100910	20100910	20100910	20100910	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-773	SB-774	SB-774	SB-774	SB-774	SB-775
SAMPLE ID	D-SB-773-09	D-SB-774-03	D-SB-774-05	D-SB-774-07	D-SB-774-09	D-SB-775-03
SAMPLE DATE	20100831	20100910	20100910	20100910	20100910	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	4.2 U	200 U	34	22	3.8 U	3.9 U
2-METHYLNAPHTHALENE	4.2 U	200 U	27	32	9.4	3.9 U
ACENAPHTHENE	4.2 U	2400	120	140	17	3.9 U
ACENAPHTHYLENE	4.2 U	200 U	7.8 U	7.7 U	3.8 U	3.9 U
ANTHRACENE	4.2 U	9200	60	270	52	3.9 U
BAP EQUIVALENT-HALFND	5.6	24437	196	570	169	3.9 U
BAP EQUIVALENT-POS	1.0	24437	192	566	169	3.9 U
BENZO(A)ANTHRACENE	9.8	26000	160	480	150	3.9 U
BENZO(A)PYRENE	4.2 U	16000	160	450	110	3.9 U
BENZO(B)FLUORANTHENE	4.2 U	25000	140	460	160	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4.2 U	7500	7.8 U	210	70	3.9 U
BENZO(K)FLUORANTHENE	4.2 U	10000	150	290	66	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	140 J	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	240 J	NA	NA
C1-FLUORENES	NA	NA	NA	79 U	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	93 J	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	79 U	NA	NA
C2-FLUORENES	NA	NA	NA	79 U	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-773	SB-774	SB-774	SB-774	SB-774	SB-775
SAMPLE ID	D-SB-773-09	D-SB-774-03	D-SB-774-05	D-SB-774-07	D-SB-774-09	D-SB-775-03
SAMPLE DATE	20100831	20100910	20100910	20100910	20100910	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	79 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	79 U	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	79 U	NA	NA
C3-FLUORENES	NA	NA	NA	79 U	NA	NA
C3-NAPHTHALENES	NA	NA	NA	79 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	79 U	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	79 U	NA	NA
C4-NAPHTHALENES	NA	NA	NA	79 U	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	79 U	NA	NA
CHRYSENE	11	27000	180	500	150	1.3 U
DIBENZO(A,H)ANTHRACENE	4.2 U	2500	7.8 U	7.7 U	21	3.9 U
FLUORANTHENE	22	73000	370	1100	360	8.9
FLUORENE	10	3200	57	120	20	3.9 U
INDENO(1,2,3-CD)PYRENE	4.2 U	7100	7.8 U	190	62	3.9 U
NAPHTHALENE	4.2 U	200 U	98	75	15	3.9 U
PHENANTHRENE	41	44000	280	840	220	3.9 U
PYRENE	27	54000	310	800	270	3.9 U
TOTAL PAHS	120.8	306900	2112	5957	1752.4	8.9
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-773	SB-774	SB-774	SB-774	SB-774	SB-775
SAMPLE ID	D-SB-773-09	D-SB-774-03	D-SB-774-05	D-SB-774-07	D-SB-774-09	D-SB-775-03
SAMPLE DATE	20100831	20100910	20100910	20100910	20100910	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-775		SB-775	SB-776	SB-776	SB-776
SAMPLE ID	D-SB-775-05	SB-775	D-SB-775-09	D-SB-776-03	D-SB-776-05	D-SB-776-07
SAMPLE DATE	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-775		SB-775	SB-776	SB-776	SB-776
SAMPLE ID	D-SB-775-05	SB-775	D-SB-775-09	D-SB-776-03	D-SB-776-05	D-SB-776-07
SAMPLE DATE	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-775	SB-775	SB-775	SB-776	SB-776	SB-776
SAMPLE ID	D-SB-775-05	D-SB-775-09	D-SB-776-03	D-SB-776-05	D-SB-776-07	
SAMPLE DATE	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	4 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U
2-METHYLNAPHTHALENE	4 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U
ACENAPHTHENE	4 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U
ACENAPHTHYLENE	53	3.8 U	3.9 U	3.9 U	9	3.9 U
ANTHRACENE	25	3.8 U	3.9 U	11	4 U	3.9 U
BAP EQUIVALENT-HALFND	274	27.7	3.9 U	58.8	23.7	3.9 U
BAP EQUIVALENT-POS	274	25.6	3.9 U	58.8	21.7	3.9 U
BENZO(A)ANTHRACENE	110	3.8 U	3.9 U	33	8.6	3.9 U
BENZO(A)PYRENE	180	22	3.9 U	29	18	3.9 U
BENZO(B)FLUORANTHENE	190	17	3.9 U	37	17	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	160	9.4	3.9 U	17	14	3.9 U
BENZO(K)FLUORANTHENE	80	3.8 U	3.9 U	15	4 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	130 J	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	140 J	NA	NA	NA	NA
C1-FLUORENES	NA	78 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	78 U	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	86 J	NA	NA	NA	NA
C2-FLUORENES	NA	78 U	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-775		SB-775	SB-776	SB-776	SB-776
SAMPLE ID	D-SB-775-05	SB-775	D-SB-775-09	D-SB-776-03	D-SB-776-05	D-SB-776-07
SAMPLE DATE	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	78 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	78 U	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	78 U	NA	NA	NA	NA
C3-FLUORENES	NA	78 U	NA	NA	NA	NA
C3-NAPHTHALENES	NA	78 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	78 U	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	78 U	NA	NA	NA	NA
C4-NAPHTHALENES	NA	78 U	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	78 U	NA	NA	NA	NA
CHRYSENE	140	1.3 U	1.3 U	31	13	1.3 U
DIBENZO(A,H)ANTHRACENE	51	3.8 U	3.9 U	21	4 U	3.9 U
FLUORANTHENE	130	3.8 U	3.9 U	62	8.9	3.9 U
FLUORENE	4 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U
INDENO(1,2,3-CD)PYRENE	120	19	3.9 U	16	11	3.9 U
NAPHTHALENE	4 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U
PHENANTHRENE	11	3.8 U	3.9 U	36	4 U	3.9 U
PYRENE	320	16	3.9 U	55	42	3.9 U
TOTAL PAHS	1570	83.4	0 U	363	141.5	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-775		SB-775	SB-776	SB-776	SB-776
SAMPLE ID	D-SB-775-05	SB-775	D-SB-775-09	D-SB-776-03	D-SB-776-05	D-SB-776-07
SAMPLE DATE	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	D-SB-776-09	D-SB-776-09-AVG	D-SB-776-09-D	D-SB-777-03	D-SB-777-05	D-SB-777-07
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	D-SB-776-09	D-SB-776-09-AVG	D-SB-776-09-D	D-SB-777-03	D-SB-777-05	D-SB-777-07
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	D-SB-776-09	D-SB-776-09-AVG	D-SB-776-09-D	D-SB-777-03	D-SB-777-05	D-SB-777-07
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	4.1 U	4.05 U	4 U	15 U	9.6 U	310
2-METHYLNAPHTHALENE	4.1 U	4.05 U	4 U	15 U	9.6 U	600
ACENAPHTHENE	4.1 U	4.05 U	4 U	150	27	1700
ACENAPHTHYLENE	21 J	11.5	4 UJ	15 U	9.6 U	20 U
ANTHRACENE	8.5	5.25	4 U	270	62	2100
BAP EQUIVALENT-HALFND	70.1	36.0	4 U	1021	176	4873
BAP EQUIVALENT-POS	70.1	36.0	4 U	1013	171	4873
BENZO(A)ANTHRACENE	19 J	10.5	4 UJ	880	170	3800
BENZO(A)PYRENE	38 J	20	4 UJ	770	140	3300
BENZO(B)FLUORANTHENE	37 J	19.5	4 UJ	1100	130	4000
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	30 J	16	4 UJ	470	9.6 U	2000
BENZO(K)FLUORANTHENE	14	8	4 U	450	100	1900
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	2300 J
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	4300 J
C1-FLUORENES	NA	NA	NA	NA	NA	81 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	2100 J
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	840 J
C2-FLUORENES	NA	NA	NA	NA	NA	81 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	D-SB-776-09	D-SB-776-09-AVG	D-SB-776-09-D	D-SB-777-03	D-SB-777-05	D-SB-777-07
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	81 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	870 J
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	380 J
C3-FLUORENES	NA	NA	NA	NA	NA	81 U
C3-NAPHTHALENES	NA	NA	NA	NA	NA	81 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	360 J
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	81 U
C4-NAPHTHALENES	NA	NA	NA	NA	NA	81 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	81 U
CHRYSENE	25 J	12.825	1.3 UJ	880	160	3500
DIBENZO(A,H)ANTHRACENE	24 J	13	4 UJ	15 U	9.6 U	610
FLUORANTHENE	20 J	11	4 UJ	1900	350	7500
FLUORENE	4.1 U	4.05 U	4 U	90	25	1600
INDENO(1,2,3-CD)PYRENE	23 J	12.5	4 UJ	400	9.6 U	1600
NAPHTHALENE	4.1 U	4.05 U	4 U	32	9.6 U	1600
PHENANTHRENE	4.1 U	4.05 U	4 U	1000	210	6800
PYRENE	87 J	44.5	4 UJ	1500	290	5600
TOTAL PAHS	346.5	173.25	0 U	9892	1664	48210
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	D-SB-776-09	D-SB-776-09-AVG	D-SB-776-09-D	D-SB-777-03	D-SB-777-05	D-SB-777-07
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-777	SB-778	SB-778	SB-778	SB-778	SB-779
SAMPLE ID	D-SB-777-09	D-SB-778-03	D-SB-778-05	D-SB-778-07	D-SB-778-09	D-SB-779-03
SAMPLE DATE	20100910	20100831	20100831	20100831	20100831	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-777	SB-778	SB-778	SB-778	SB-778	SB-779
SAMPLE ID	D-SB-777-09	D-SB-778-03	D-SB-778-05	D-SB-778-07	D-SB-778-09	D-SB-779-03
SAMPLE DATE	20100910	20100831	20100831	20100831	20100831	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-777	SB-778	SB-778	SB-778	SB-778	SB-779
SAMPLE ID	D-SB-777-09	D-SB-778-03	D-SB-778-05	D-SB-778-07	D-SB-778-09	D-SB-779-03
SAMPLE DATE	20100910	20100831	20100831	20100831	20100831	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	10	3.8 U	4 U	4.1 U	3.7 U	4 U
2-METHYLNAPHTHALENE	16	3.8 U	4 U	4.1 U	3.7 U	4 U
ACENAPHTHENE	52	3.8 U	4 U	4.1 U	3.7 U	4 U
ACENAPHTHYLENE	4.1 U	3.8 U	60	15	15	4 U
ANTHRACENE	56	3.8 U	24	4.1 U	3.7 U	4 U
BAP EQUIVALENT-HALFND	197	3.8 U	133	27.1	31.5	4 U
BAP EQUIVALENT-POS	197	3.8 U	133	25.0	29.6	4 U
BENZO(A)ANTHRACENE	150	3.8 U	56	15	16	4 U
BENZO(A)PYRENE	130	3.8 U	82	20	24	4 U
BENZO(B)FLUORANTHENE	190	3.8 U	86	21	24	4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	95	3.8 U	75	17	20	4 U
BENZO(K)FLUORANTHENE	77	3.8 U	36	10	9.8	4 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-777	SB-778	SB-778	SB-778	SB-778	SB-779
SAMPLE ID	D-SB-777-09	D-SB-778-03	D-SB-778-05	D-SB-778-07	D-SB-778-09	D-SB-779-03
SAMPLE DATE	20100910	20100831	20100831	20100831	20100831	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	160	1.3 U	68	14	16	1.3 U
DIBENZO(A,H)ANTHRACENE	24	3.8 U	31	4.1 U	3.7 U	4 U
FLUORANTHENE	320	3.8 U	53	12	12	4 U
FLUORENE	48	3.8 U	4 U	4.1 U	3.7 U	4 U
INDENO(1,2,3-CD)PYRENE	83	3.8 U	51	13	15	4 U
NAPHTHALENE	27	3.8 U	4 U	4.1 U	3.7 U	4 U
PHENANTHRENE	250	3.8 U	9.2	4.1 U	3.7 U	4 U
PYRENE	260	3.8 U	110	25	28	4 U
TOTAL PAHS	1938	0 U	741.2	162	179.8	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-777	SB-778	SB-778	SB-778	SB-778	SB-779
SAMPLE ID	D-SB-777-09	D-SB-778-03	D-SB-778-05	D-SB-778-07	D-SB-778-09	D-SB-779-03
SAMPLE DATE	20100910	20100831	20100831	20100831	20100831	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780
SAMPLE ID	D-SB-779-05	D-SB-779-07	D-SB-779-09	D-SB-780-03	D-SB-780-05	D-SB-780-07
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780
SAMPLE ID	D-SB-779-05	D-SB-779-07	D-SB-779-09	D-SB-780-03	D-SB-780-05	D-SB-780-07
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780
SAMPLE ID	D-SB-779-05	D-SB-779-07	D-SB-779-09	D-SB-780-03	D-SB-780-05	D-SB-780-07
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	3.9 U	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
2-METHYLNAPHTHALENE	3.9 U	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
ACENAPHTHENE	3.9 U	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
ACENAPHTHYLENE	15	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
ANTHRACENE	3.9 U	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
BAP EQUIVALENT-HALFND	72.1	3.8 U	4 U	3.7 U	15.5	3.9 U
BAP EQUIVALENT-POS	72.1	3.8 U	4 U	3.7 U	13.3	3.9 U
BENZO(A)ANTHRACENE	26	3.8 U	4 U	3.7 UL	12	3.9 U
BENZO(A)PYRENE	43	3.8 U	4 U	3.7 UL	11	3.9 U
BENZO(B)FLUORANTHENE	49 J	3.8 U	4 U	3.7 UL	11 J	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	33	3.8 U	4 U	3.7 UL	8.1	3.9 U
BENZO(K)FLUORANTHENE	14	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	77 U	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	77 U	NA	NA	NA	NA
C1-FLUORENES	NA	77 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	77 U	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	77 U	NA	NA	NA	NA
C2-FLUORENES	NA	77 U	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780
SAMPLE ID	D-SB-779-05	D-SB-779-07	D-SB-779-09	D-SB-780-03	D-SB-780-05	D-SB-780-07
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	77 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	77 U	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	77 U	NA	NA	NA	NA
C3-FLUORENES	NA	77 U	NA	NA	NA	NA
C3-NAPHTHALENES	NA	77 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	77 U	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	77 U	NA	NA	NA	NA
C4-NAPHTHALENES	NA	77 U	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	77 U	NA	NA	NA	NA
CHRYSENE	33	1.3 U	1.3 U	1.2 UL	13	1.3 U
DIBENZO(A,H)ANTHRACENE	19 J	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
FLUORANTHENE	31	3.8 U	4 U	3.7 UL	21	3.9 U
FLUORENE	3.9 U	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
INDENO(1,2,3-CD)PYRENE	24 J	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
NAPHTHALENE	3.9 U	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
PHENANTHRENE	3.9 U	3.8 U	4 U	3.7 UL	3.9 U	3.9 U
PYRENE	65	3.8 U	4 U	7.8 L	35	3.9 U
TOTAL PAHS	352	0 U	0 U	7.8	111.1	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780
SAMPLE ID	D-SB-779-05	D-SB-779-07	D-SB-779-09	D-SB-780-03	D-SB-780-05	D-SB-780-07
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-780	SB-781	SB-781	SB-781	SB-781	SB-782
SAMPLE ID	D-SB-780-09	D-SB-781-03	D-SB-781-05	D-SB-781-07	D-SB-781-09	D-SB-782-03
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	0.53 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	0.48 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	0.29 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	1.1 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	0.31 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	0.45 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	0.26 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	0.33 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	0.78 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	0.15 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	0.23 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	0.56 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	1.1 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	0.43 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	0.31 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	0.29 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	0.59 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	0.3 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	0.29 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	0.57 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	0.81 U
2-BUTANONE	NA	NA	NA	NA	NA	1.2 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	1.2 U
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	0.34 U
2-HEXANONE	NA	NA	NA	NA	NA	0.54 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	0.35 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	0.18 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	0.47 U
ACETONE	NA	NA	NA	NA	NA	5.4 U
BENZENE	NA	NA	NA	NA	NA	0.2 U
BROMOBENZENE	NA	NA	NA	NA	NA	0.28 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	0.61 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	0.24 U
BROMOFORM	NA	NA	NA	NA	NA	0.28 U
BROMOMETHANE	NA	NA	NA	NA	NA	0.47 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	0.38 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	0.32 U
CHLOROBENZENE	NA	NA	NA	NA	NA	0.28 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	0.47 U
CHLOROETHANE	NA	NA	NA	NA	NA	0.74 U
CHLOROFORM	NA	NA	NA	NA	NA	0.25 U
CHLOROMETHANE	NA	NA	NA	NA	NA	0.35 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	0.31 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	0.29 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	0.54 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	0.43 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	1.3 U
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	0.19 U
ETHYLBENZENE	NA	NA	NA	NA	NA	0.22 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-780	SB-781	SB-781	SB-781	SB-781	SB-782
SAMPLE ID	D-SB-780-09	D-SB-781-03	D-SB-781-05	D-SB-781-07	D-SB-781-09	D-SB-782-03
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	1 U
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	0.14 U
M+P-XYLENES	NA	NA	NA	NA	NA	1 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	0.37 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	0.58 U
NAPHTHALENE	NA	NA	NA	NA	NA	0.16 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	0.2 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	0.34 U
O-XYLENE	NA	NA	NA	NA	NA	0.3 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	0.16 U
STYRENE	NA	NA	NA	NA	NA	0.13 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	0.32 U
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	0.25 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	6.6 UR
TETRACHLOROETHENE	NA	NA	NA	NA	NA	0.45 U
TOLUENE	NA	NA	NA	NA	NA	0.23 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	0.58 U
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	0.35 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	0.47 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	0.36 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	0.29 U
VINYL ACETATE	NA	NA	NA	NA	NA	0.22 U
VINYL CHLORIDE	NA	NA	NA	NA	NA	0.34 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	31 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	25 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	11 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	29 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	92 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	23 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	23 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	92 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	31 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	24 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	3.8 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	31 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	92 U
2-NITROANILINE	NA	NA	NA	NA	NA	10 U
2-NITROPHENOL	NA	NA	NA	NA	NA	31 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	21 U
3-NITROANILINE	NA	NA	NA	NA	NA	18 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	92 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	15 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	24 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	20 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	15 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	92 U
4-NITROANILINE	NA	NA	NA	NA	NA	30 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-780	SB-781	SB-781	SB-781	SB-781	SB-782
SAMPLE ID	D-SB-780-09	D-SB-781-03	D-SB-781-05	D-SB-781-07	D-SB-781-09	D-SB-782-03
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	92 U
ACETOPHENONE	NA	NA	NA	NA	NA	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	10 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	25 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	2.3 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	59
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	11 U
CAPROLACTAM	NA	NA	NA	NA	NA	43 U
CARBAZOLE	NA	NA	NA	NA	NA	31 U
DIBENZOFURAN	NA	NA	NA	NA	NA	3.8 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	18 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	20 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	17 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	31 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	2.4 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	31 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	31 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	10 U
ISOPHORONE	NA	NA	NA	NA	NA	15 U
NITROBENZENE	NA	NA	NA	NA	NA	2.5 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	18 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	31 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	24 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	92 U
PHENOL	NA	NA	NA	NA	NA	31 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	4 U	4 U	8.9	4 U	3.8 U	NA
2-METHYLNAPHTHALENE	4 U	4 U	19	4 U	3.8 U	3.8 U
ACENAPHTHENE	4 U	4 U	72	4 U	3.8 U	3.8 U
ACENAPHTHYLENE	33	4 U	4.1 U	4 U	3.8 U	3.8 U
ANTHRACENE	19	4 U	150	4 U	3.8 U	3.8 U
BAP EQUIVALENT-HALFND	121.3	4 U	808.1	4 U	3.8 U	59.7
BAP EQUIVALENT-POS	121.3	4 U	808.1	4 U	3.8 U	59.7
BENZO(A)ANTHRACENE	71	4 U	480	4 U	3.8 U	29
BENZO(A)PYRENE	80	4 U	560	4 U	3.8 U	30
BENZO(B)FLUORANTHENE	75 J	4 U	640 J	4 U	3.8 U	38
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	60	4 U	380	4 U	3.8 U	19
BENZO(K)FLUORANTHENE	36	4 U	270	4 U	3.8 U	19
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-780	SB-781	SB-781	SB-781	SB-781	SB-782
SAMPLE ID	D-SB-780-09	D-SB-781-03	D-SB-781-05	D-SB-781-07	D-SB-781-09	D-SB-782-03
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	76	1.3 U	420	1.3 U	1.3 U	31
DIBENZO(A,H)ANTHRACENE	22 J	4 U	100 J	4 U	3.8 U	21
FLUORANTHENE	120	4 U	690	4 U	3.8 U	49
FLUORENE	9.5	4 U	55	4 U	3.8 U	3.8 U
INDENO(1,2,3-CD)PYRENE	43 J	4 U	330 J	4 U	3.8 U	18
NAPHTHALENE	4 U	4 U	55	4 U	3.8 U	3.8 U
PHENANTHRENE	26	4 U	440	4 U	3.8 U	24
PYRENE	180	4 U	560	4 U	3.8 U	39
TOTAL PAHS	850.5	0 U	5221	0 U	0 U	317
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	0.71 U
4,4'-DDE	NA	NA	NA	NA	NA	0.45 U
4,4'-DDT	NA	NA	NA	NA	NA	0.72 U
ALDRIN	NA	NA	NA	NA	NA	1.4 U
ALPHA-BHC	NA	NA	NA	NA	NA	0.84 U
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	1.1 U
AROCLOR-1016	NA	NA	NA	NA	NA	24 U
AROCLOR-1221	NA	NA	NA	NA	NA	18 U
AROCLOR-1232	NA	NA	NA	NA	NA	16 U
AROCLOR-1242	NA	NA	NA	NA	NA	15 U
AROCLOR-1248	NA	NA	NA	NA	NA	20 U
AROCLOR-1254	NA	NA	NA	NA	NA	20 U
AROCLOR-1260	NA	NA	NA	NA	NA	20 U
BETA-BHC	NA	NA	NA	NA	NA	1.3 U
DELTA-BHC	NA	NA	NA	NA	NA	1.4 U
DIELDRIN	NA	NA	NA	NA	NA	0.54 U
ENDOSULFAN I	NA	NA	NA	NA	NA	0.6 U
ENDOSULFAN II	NA	NA	NA	NA	NA	0.94 U
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	1 U
ENDRIN	NA	NA	NA	NA	NA	0.57 U
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	1.1 U
ENDRIN KETONE	NA	NA	NA	NA	NA	0.72 U
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	0.85 U
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	0.48 U
HEPTACHLOR	NA	NA	NA	NA	NA	1.3 U
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	0.92 U
METHOXYCHLOR	NA	NA	NA	NA	NA	1.7 U
TOTAL AROCLOR	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	22 U
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	0.14 UL
ARSENIC	NA	NA	NA	NA	NA	2.1 J
BARIUM	NA	NA	NA	NA	NA	18.6

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-780	SB-781	SB-781	SB-781	SB-781	SB-782
SAMPLE ID	D-SB-780-09	D-SB-781-03	D-SB-781-05	D-SB-781-07	D-SB-781-09	D-SB-782-03
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	0.69
CADMIUM	NA	NA	NA	NA	NA	0.13 K
CHROMIUM	NA	NA	NA	NA	NA	9.7 J
COBALT	NA	NA	NA	NA	NA	6.6 J
COPPER	NA	NA	NA	NA	NA	12.2 J
IRON	NA	NA	NA	NA	NA	9290 J
LEAD	NA	NA	NA	NA	NA	20.4
MANGANESE	NA	NA	NA	NA	NA	34.2
MERCURY	NA	NA	NA	NA	NA	0.53
MOLYBDENUM	NA	NA	NA	NA	NA	0.24
NICKEL	NA	NA	NA	NA	NA	11 J
SELENIUM	NA	NA	NA	NA	NA	1.2
SILVER	NA	NA	NA	NA	NA	0.27
THALLIUM	NA	NA	NA	NA	NA	0.12 B
VANADIUM	NA	NA	NA	NA	NA	16.8 J
ZINC	NA	NA	NA	NA	NA	52 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	140000
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	53 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	0.36 J
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783
SAMPLE ID	D-SB-782-05	D-SB-782-07	D-SB-782-09	D-SB-783-03	D-SB-783-05	D-SB-783-07
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.57 U	0.61 U	0.51 U	0.43 U	0.59 U	0.57 U
1,1,1-TRICHLOROETHANE	0.52 U	0.55 U	0.46 U	0.39 U	0.53 U	0.51 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.33 U	0.28 U	0.24 U	0.32 U	0.31 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.3 U	1.1 U	0.91 U	1.2 U	1.2 U
1,1-DICHLOROETHANE	0.33 U	0.35 U	0.29 U	0.25 U	0.34 U	0.33 U
1,1-DICHLOROETHENE	0.48 U	0.51 U	0.43 U	0.36 U	0.49 U	0.47 U
1,1-DICHLOROPROPENE	0.28 U	0.3 U	0.25 U	0.21 U	0.28 U	0.27 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.37 U	0.31 U	0.26 U	0.36 U	0.35 U
1,2,3-TRICHLOROPROPANE	0.83 U	0.89 U	0.74 U	0.63 U	0.85 U	0.82 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.17 U	0.14 U	0.12 U	0.16 U	0.16 U
1,2,4-TRICHLOROBENZENE	0.25 U	0.27 U	0.22 U	0.19 U	0.26 U	0.25 U
1,2,4-TRIMETHYLBENZENE	0.6 U	0.64 U	0.53 U	0.45 U	0.61 U	0.59 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.3 U	1.1 U	0.91 U	1.2 U	1.2 U
1,2-DIBROMOETHANE	0.46 U	0.49 U	0.41 U	0.35 U	0.47 U	0.46 U
1,2-DICHLOROBENZENE	0.33 U	0.35 U	0.29 U	0.25 U	0.34 U	0.33 U
1,2-DICHLOROETHANE	0.31 U	0.33 U	0.28 U	0.24 U	0.32 U	0.31 U
1,2-DICHLOROPROPANE	0.64 U	0.68 U	0.56 U	0.48 U	0.65 U	0.63 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.32 U	0.34 U	0.29 U	0.24 U	0.33 U	0.32 U
1,3-DICHLOROPROPANE	0.31 U	0.33 U	0.28 U	0.24 U	0.32 U	0.31 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.61 U	0.65 U	0.54 U	0.46 U	0.62 U	0.6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.87 U	0.93 U	0.77 U	0.66 U	0.89 U	0.86 U
2-BUTANONE	3.5 J	1.4 U	2.2 J	0.98 U	1.3 U	2.7 J
2-CHLOROETHYL VINYL ETHER	1.3 U	1.4 U	1.1 U	0.98 U	1.3 U	1.3 U
2-CHLOROTOLUENE	0.37 U	0.39 U	0.33 U	0.28 U	0.38 U	0.37 U
2-HEXANONE	0.58 U	0.62 U	0.52 U	0.44 U	0.6 U	0.58 U
4-CHLOROTOLUENE	0.38 U	0.4 U	0.34 U	0.29 U	0.39 U	0.37 U
4-ISOPROPYLTOLUENE	0.19 U	0.21 U	0.17 U	0.15 U	0.2 U	0.19 U
4-METHYL-2-PENTANONE	0.5 U	0.53 U	0.44 U	0.38 U	0.51 U	0.49 U
ACETONE	42 B	6.2 U	21 B	4.4 U	6 U	59 B
BENZENE	0.21 U	0.23 U	0.19 U	0.16 U	0.22 U	0.21 U
BROMOBENZENE	0.3 U	0.32 U	0.27 U	0.23 U	0.31 U	0.3 U
BROMOCHLOROMETHANE	0.66 U	0.7 U	0.58 U	0.49 U	0.67 U	0.65 U
BROMODICHLOROMETHANE	0.26 U	0.28 U	0.23 U	0.2 U	0.26 U	0.26 U
BROMOFORM	0.3 U	0.32 U	0.27 U	0.23 U	0.31 U	0.3 U
BROMOMETHANE	0.5 U	0.53 U	0.44 U	0.38 U	0.51 U	0.49 U
CARBON DISULFIDE	0.41 U	0.43 U	0.36 U	0.31 U	0.42 U	0.4 U
CARBON TETRACHLORIDE	0.34 U	0.36 U	0.3 U	0.26 U	0.35 U	0.34 U
CHLOROBENZENE	0.3 U	0.32 U	0.27 U	0.23 U	0.31 U	0.3 U
CHLORODIBROMOMETHANE	0.51 U	0.54 U	0.45 U	0.38 U	0.52 U	0.5 U
CHLOROETHANE	0.79 U	0.85 U	0.7 U	0.6 U	0.81 U	0.79 U
CHLOROFORM	0.27 U	0.29 U	0.24 U	0.2 U	0.27 U	0.26 U
CHLOROMETHANE	0.38 U	0.4 U	0.34 U	0.29 U	0.39 U	0.37 U
CIS-1,2-DICHLOROETHENE	0.33 U	0.35 U	0.29 U	0.25 U	0.34 U	0.33 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.33 U	0.28 U	0.24 U	0.32 U	0.31 U
DIBROMOMETHANE	0.58 U	0.62 U	0.52 U	0.44 U	0.6 U	0.58 U
DICHLORODIFLUOROMETHANE	0.46 U	0.49 U	0.41 U	0.35 U	0.47 U	0.46 U
DIISOPROPYL ETHER	1.4 U	1.5 U	1.2 U	1 U	1.4 U	1.4 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.22 U	0.18 U	0.15 U	0.21 U	0.2 U
ETHYLBENZENE	0.24 U	0.26 U	0.21 U	0.18 U	0.25 U	0.24 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783
SAMPLE ID	D-SB-782-05	D-SB-782-07	D-SB-782-09	D-SB-783-03	D-SB-783-05	D-SB-783-07
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1.1 U	1.2 U	0.98 U	0.84 U	1.1 U	1.1 U
ISOPROPYLBENZENE	0.15 U	0.16 U	0.13 U	0.11 U	0.15 U	0.15 U
M+P-XYLENES	1.1 U	1.2 U	0.98 U	0.84 U	1.1 U	1.1 U
METHYL TERT-BUTYL ETHER	0.4 U	0.42 U	0.35 U	0.3 U	0.41 U	0.39 U
METHYLENE CHLORIDE	0.62 U	0.66 U	0.55 U	0.47 U	0.63 U	0.61 U
NAPHTHALENE	0.18 U	0.19 U	0.16 U	0.13 U	0.18 U	0.17 U
N-BUTYLBENZENE	0.21 U	0.23 U	0.19 U	0.16 U	0.22 U	0.21 U
N-PROPYLBENZENE	0.37 U	0.39 U	0.33 U	0.28 U	0.38 U	0.37 U
O-XYLENE	0.32 U	0.34 U	0.29 U	0.24 U	0.33 U	0.32 U
SEC-BUTYLBENZENE	0.17 U	0.18 U	0.15 U	0.13 U	0.17 U	0.16 U
STYRENE	0.14 U	0.15 U	0.12 U	0.1 U	0.14 U	0.14 U
TERT-AMYL METHYL ETHER	0.34 U	0.36 U	0.3 U	0.26 U	0.35 U	0.34 U
TERT-BUTYLBENZENE	0.27 U	0.29 U	0.24 U	0.2 U	0.27 U	0.26 U
TERTIARY-BUTYL ALCOHOL	7 UR	7.5 UR	6.2 UR	5.3 UR	7.2 UR	6.9 UR
TETRACHLOROETHENE	0.48 U	0.51 U	0.43 U	0.36 U	0.49 U	0.47 U
TOLUENE	0.25 U	0.27 U	0.22 U	0.19 U	0.26 U	0.25 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.62 U	0.66 U	0.55 U	0.47 U	0.63 U	0.61 U
TRANS-1,2-DICHLOROETHENE	0.38 U	0.4 U	0.34 U	0.29 U	0.39 U	0.37 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.53 U	0.44 U	0.38 U	0.51 U	0.49 U
TRICHLOROETHENE	0.39 U	0.41 U	0.34 U	0.29 U	0.4 U	0.38 U
TRICHLOROFLUOROMETHANE	0.31 U	0.33 U	0.28 U	0.24 U	0.32 U	0.31 U
VINYL ACETATE	0.23 U	0.25 U	0.2 U	0.17 U	0.24 U	0.23 U
VINYL CHLORIDE	0.36 U	0.38 U	0.32 U	0.27 U	0.37 U	0.36 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	33 U	33 U	32 U	30 UJ	34 U	32 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	27 U	27 U	26 U	24 UJ	27 U	26 U
2,2'-OXYBIS(1-CHLOROPROPANE)	12 U	12 U	11 U	11 UJ	12 U	11 U
2,4,5-TRICHLOROPHENOL	30 U	30 U	30 U	28 U	31 U	30 U
2,4,6-TRICHLOROPHENOL	97 U	97 U	96 U	89 U	100 U	95 U
2,4-DICHLOROPHENOL	24 U	24 U	24 U	22 U	25 U	24 U
2,4-DIMETHYLPHENOL	24 U	24 U	24 U	22 U	25 U	24 U
2,4-DINITROPHENOL	97 U	97 U	96 U	89 U	100 U	95 U
2,4-DINITROTOLUENE	33 U	33 U	32 U	30 UJ	34 U	32 U
2,6-DINITROTOLUENE	26 U	26 U	25 U	23 UJ	26 U	25 U
2-CHLORONAPHTHALENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
2-CHLOROPHENOL	33 U	33 U	32 U	30 U	34 U	32 U
2-METHYLPHENOL	97 U	97 U	96 U	89 U	100 U	95 U
2-NITROANILINE	11 U	11 U	11 U	10 UJ	11 U	11 U
2-NITROPHENOL	33 U	33 U	32 U	30 U	34 U	32 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	22 U	22 U	22 U	20 UJ	22 U	21 U
3-NITROANILINE	19 U	19 U	19 U	18 UJ	20 U	19 U
4,6-DINITRO-2-METHYLPHENOL	97 U	97 U	96 U	89 U	100 U	95 U
4-BROMOPHENYL PHENYL ETHER	16 U	16 U	16 U	14 UJ	16 U	15 U
4-CHLORO-3-METHYLPHENOL	26 U	26 U	25 U	23 U	26 U	25 U
4-CHLOROANILINE	21 U	21 U	20 U	19 UJ	21 U	20 U
4-CHLOROPHENYL PHENYL ETHER	16 U	16 U	16 U	14 UJ	16 U	15 U
4-METHYLPHENOL	97 U	97 U	96 U	89 U	100 U	95 U
4-NITROANILINE	32 U	32 U	31 U	29 UJ	32 U	31 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783
SAMPLE ID	D-SB-782-05	D-SB-782-07	D-SB-782-09	D-SB-783-03	D-SB-783-05	D-SB-783-07
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	97 U	97 U	96 U	89 U	100 U	95 U
ACETOPHENONE	11 U	11 U	11 U	10 UJ	11 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	11 U	11 U	10 UJ	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	15 U	15 U	14 U	13 UJ	15 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	27 U	27 U	26 U	24 UJ	27 U	26 U
BIS(2-CHLOROETHYL)ETHER	2.4 U	2.4 U	2.4 U	2.2 UJ	2.5 U	2.4 U
BIS(2-ETHYLHEXYL)PHTHALATE	23 U	23 U	23 U	21 UJ	24 U	23 U
BUTYL BENZYL PHTHALATE	12 U	12 U	12 U	11 UJ	12 U	12 U
CAPROLACTAM	45 U	45 U	45 U	41 UJ	46 U	44 U
CARBAZOLE	33 U	33 U	32 U	30 UJ	34 U	32 U
DIBENZOFURAN	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
DIETHYL PHTHALATE	19 U	19 U	19 U	18 UJ	20 U	19 U
DIMETHYL PHTHALATE	21 U	21 U	20 U	19 UJ	21 U	20 U
DI-N-BUTYL PHTHALATE	18 U	18 U	18 U	17 UJ	19 U	18 U
DI-N-OCTYL PHTHALATE	33 U	33 U	32 U	30 UJ	34 U	32 U
HEXACHLOROBENZENE	2.6 U	2.6 U	2.5 U	2.3 UJ	2.6 U	2.5 U
HEXACHLOROBUTADIENE	33 U	33 U	32 U	30 UJ	34 U	32 U
HEXACHLOROCYCLOPENTADIENE	33 U	33 U	32 U	30 UJ	34 U	32 U
HEXACHLOROETHANE	11 U	11 U	11 U	10 UJ	11 U	11 U
ISOPHORONE	16 U	16 U	16 U	14 UJ	16 U	15 U
NITROBENZENE	2.7 U	2.7 U	2.6 U	2.4 UJ	2.7 U	2.6 U
N-NITROSODIMETHYLAMINE	19 U	19 U	19 U	18 UJ	20 U	19 U
N-NITROSO-DI-N-PROPYLAMINE	33 U	33 U	32 U	30 UJ	34 U	32 U
N-NITROSODIPHENYLAMINE	26 U	26 U	25 U	23 UJ	26 U	25 U
PENTACHLOROPHENOL	97 U	97 U	96 U	89 U	100 U	95 U
PHENOL	33 U	33 U	32 U	30 U	34 U	32 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
ACENAPHTHENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
ACENAPHTHYLENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
ANTHRACENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
BAP EQUIVALENT-HALFND	4 U	4 U	4 U	3.7 U	4.1 U	3.9 U
BAP EQUIVALENT-POS	4 U	4 U	4 U	3.7 U	4.1 U	3.9 U
BENZO(A)ANTHRACENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
BENZO(A)PYRENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
BENZO(B)FLUORANTHENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
BENZO(K)FLUORANTHENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783
SAMPLE ID	D-SB-782-05	D-SB-782-07	D-SB-782-09	D-SB-783-03	D-SB-783-05	D-SB-783-07
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.3 U	1.2 UJ	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
FLUORANTHENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
FLUORENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
INDENO(1,2,3-CD)PYRENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
NAPHTHALENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
PHENANTHRENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
PYRENE	4 U	4 U	4 U	3.7 UJ	4.1 U	3.9 U
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.75 U	0.75 U	0.75 U	0.69 U	0.77 UJ	0.74 UJ
4,4'-DDE	0.47 U	0.47 U	0.47 U	0.43 U	0.49 U	0.46 U
4,4'-DDT	0.77 U	0.77 U	0.76 U	0.7 U	0.78 U	0.75 U
ALDRIN	1.5 U	1.5 U	1.4 U	1.3 U	1.5 UJ	1.4 UJ
ALPHA-BHC	0.89 U	0.89 U	0.88 U	0.81 U	0.91 UJ	0.87 UJ
ALPHA-CHLORDANE	1.1 U	1.1 U	1.1 U	1 U	1.2 UJ	1.1 UJ
AROCLOR-1016	26 U	26 U	25 U	23 U	26 U	25 U
AROCLOR-1221	19 U	19 U	19 U	18 U	20 U	19 U
AROCLOR-1232	17 U	17 U	17 U	15 U	17 U	17 U
AROCLOR-1242	16 U	16 U	16 U	14 U	16 U	15 U
AROCLOR-1248	21 U	21 U	20 U	19 U	21 U	20 U
AROCLOR-1254	21 U	21 U	20 U	19 U	21 U	20 U
AROCLOR-1260	21 U	21 U	20 U	19 U	21 U	20 U
BETA-BHC	1.3 U	1.3 U	1.3 U	1.2 U	1.4 UJ	1.3 UJ
DELTA-BHC	1.5 U	1.5 U	1.4 U	1.3 U	1.5 UJ	1.4 UJ
DIELDRIN	0.57 U	0.57 U	0.57 U	0.52 U	0.58 UJ	0.56 UJ
ENDOSULFAN I	0.63 U	0.63 U	0.63 U	0.58 U	0.65 UJ	0.62 UJ
ENDOSULFAN II	1 U	1 U	0.99 U	0.91 U	1 UJ	0.97 UJ
ENDOSULFAN SULFATE	1.1 U	1.1 U	1 U	0.96 U	1.1 UJ	1 UJ
ENDRIN	0.61 U	0.61 U	0.6 U	0.55 U	0.62 UJ	0.59 UJ
ENDRIN ALDEHYDE	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U
ENDRIN KETONE	0.77 U	0.77 U	0.76 U	0.7 U	0.78 U	0.75 U
GAMMA-BHC (LINDANE)	0.9 U	0.9 U	0.89 U	0.82 U	0.92 UJ	0.88 UJ
GAMMA-CHLORDANE	0.51 U	0.51 U	0.51 U	0.46 U	0.52 UJ	0.5 UJ
HEPTACHLOR	1.3 U	1.3 U	1.3 U	1.2 U	1.4 UJ	1.3 UJ
HEPTACHLOR EPOXIDE	0.97 U	0.97 U	0.96 U	0.89 U	1 UJ	0.95 UJ
METHOXYCHLOR	1.8 U	1.8 U	1.8 U	1.7 U	1.9 U	1.8 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	23 U	23 U	23 U	21 U	24 U	23 U
METALS (MG/KG)						
ANTIMONY	0.15 UL	0.3 J	0.25 B	0.35 J	0.15 B	0.31 J
ARSENIC	2.5 J	7.5 J	5 J	5 J	6.1 J	9.2 J
BARIUM	30.3	14.5	13.9	48.1	8.1	7.8

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783
SAMPLE ID	D-SB-782-05	D-SB-782-07	D-SB-782-09	D-SB-783-03	D-SB-783-05	D-SB-783-07
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	1.6	4	3.2	0.9	1.2	2.4
CADMIUM	0.017 J	0.025 J	0.019 B	0.55 K	0.0097 UL	0.0093 UL
CHROMIUM	12.7 J	30.7 J	24.3 J	14.6 J	23.2 J	29.5 J
COBALT	4 J	8.1 J	6.5 J	11.8 J	4.3 J	5.1 J
COPPER	13.9 J	20.3 J	15.9 J	17.3 J	36.3 J	37.6 J
IRON	11300 J	37500 J	30600 J	19100 J	34500 J	45200 J
LEAD	7.3	7.9	7.1	1010	4.5	6.2
MANGANESE	11.1	81	42.8	97.8	16.5	46.5
MERCURY	0.018 U	0.018 U	0.018 U	0.47	0.019 U	0.018 U
MOLYBDENUM	0.35	0.57	0.45	0.48	0.52	0.73
NICKEL	8.9 J	28.5 J	19.3 J	18.2 J	14.7 J	14.4 J
SELENIUM	1.3	2.1	1.7	1	0.6 J	0.93
SILVER	0.019 U	0.019 U	0.019 UL	0.25	0.02 UL	0.019 UL
THALLIUM	0.15 J	0.17 J	0.14 B	0.072 U	0.067 B	0.05 B
VANADIUM	17.7 J	53.2 J	44.1 J	24.5 J	46 J	65.7 J
ZINC	51 J	45.8 J	37.1 J	58 J	50.9 J	27.7 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	9500 B	6200 B	5900 B	33000	10000 J	6100 J
GASOLINE RANGE ORGANICS	56 U	56 U	55 U	51 U	57 U	55 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.33 U	0.4 J	0.32 U	0.86 J	0.34 U	0.71 J
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-783	SB-784	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-783-09	D-SB-784-03	D-SB-784-05	D-SB-784-07	D-SB-784-09	D-SB-785-03
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.56 U	0.56 U	0.53 U	0.56 U	0.53 U	0.45 U
1,1,1-TRICHLOROETHANE	0.5 U	0.51 U	0.48 U	0.51 U	0.48 U	0.41 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.31 U	0.29 U	0.31 U	0.29 U	0.25 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	0.95 U
1,1-DICHLOROETHANE	0.32 U	0.32 U	0.31 U	0.33 U	0.31 U	0.26 U
1,1-DICHLOROETHENE	0.47 U	0.47 U	0.44 U	0.47 U	0.44 U	0.38 U
1,1-DICHLOROPROPENE	0.27 U	0.27 U	0.26 U	0.27 U	0.26 U	0.22 U
1,2,3-TRICHLOROBENZENE	0.34 U	0.34 U	0.32 U	0.34 U	0.32 U	0.28 U
1,2,3-TRICHLOROPROPANE	0.81 U	0.81 U	0.77 U	0.81 U	0.77 U	0.66 U
1,2,3-TRIMETHYLBENZENE	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.12 U
1,2,4-TRICHLOROBENZENE	0.24 U	0.24 U	0.23 U	0.24 U	0.23 U	0.2 U
1,2,4-TRIMETHYLBENZENE	0.58 U	0.59 U	0.55 U	0.59 U	0.56 U	0.47 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	0.95 U
1,2-DIBROMOETHANE	0.45 U	0.45 U	0.43 U	0.45 U	0.43 U	0.37 U
1,2-DICHLOROBENZENE	0.32 U	0.32 U	0.31 U	0.33 U	0.31 U	0.26 U
1,2-DICHLOROETHANE	0.31 U	0.31 U	0.29 U	0.31 U	0.29 U	0.25 U
1,2-DICHLOROPROPANE	0.62 U	0.62 U	0.59 U	0.62 U	0.59 U	0.5 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.31 U	0.32 U	0.3 U	0.32 U	0.3 U	0.26 U
1,3-DICHLOROPROPANE	0.31 U	0.31 U	0.29 U	0.31 U	0.29 U	0.25 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.59 U	0.6 U	0.56 U	0.6 U	0.56 U	0.48 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.85 U	0.85 U	0.8 U	0.85 U	0.8 U	0.69 U
2-BUTANONE	1.3 U	1.3 U	5.5 J	1.3 U	1.2 U	4.3 B
2-CHLOROETHYL VINYL ETHER	1.3 U	1.3 U	1.2 U	1.3 U	1.2 U	1 U
2-CHLOROTOLUENE	0.36 U	0.36 U	0.34 U	0.36 U	0.34 U	0.29 U
2-HEXANONE	0.57 U	0.57 U	0.54 U	0.57 U	0.54 U	0.46 U
4-CHLOROTOLUENE	0.37 U	0.37 U	0.35 U	0.37 U	0.35 U	0.3 U
4-ISOPROPYLTOLUENE	0.19 U	0.19 U	0.18 U	0.19 U	0.18 U	0.15 U
4-METHYL-2-PENTANONE	0.49 U	0.49 U	0.46 U	0.49 U	0.46 U	0.39 U
ACETONE	5.7 U	6.1 B	71	13 B	5.4 U	320 B
BENZENE	0.21 U	0.21 U	0.2 U	0.21 U	0.2 U	0.17 U
BROMOBENZENE	0.3 U	0.3 U	0.28 U	0.3 U	0.28 U	0.24 U
BROMOCHLOROMETHANE	0.64 U	0.64 U	0.61 U	0.64 U	0.61 U	0.52 U
BROMODICHLOROMETHANE	0.25 U	0.25 U	0.24 U	0.25 U	0.24 U	0.2 U
BROMOFORM	0.3 U	0.3 U	0.28 U	0.3 U	0.28 U	0.24 U
BROMOMETHANE	0.49	0.49 U	0.46 U	0.49 U	0.46 U	0.39 U
CARBON DISULFIDE	0.4 U	0.4 U	1.4 J	0.4 U	0.38 U	0.81 B
CARBON TETRACHLORIDE	0.33 U	0.33 U	0.32 U	0.33 U	0.32 U	0.27 U
CHLOROBENZENE	0.3 U	0.3 U	0.28 U	0.3 U	0.28 U	0.24 U
CHLORODIBROMOMETHANE	0.49 U	0.5 U	0.47 U	0.5 U	0.47 U	0.4 U
CHLOROETHANE	0.77 U	0.78 U	0.73 U	0.78 U	0.74 U	0.63 U
CHLOROFORM	0.26 U	0.26 U	0.25 U	0.26 U	0.25 U	0.21 U
CHLOROMETHANE	0.37 U	0.37 U	0.35 U	0.37 U	0.35 U	0.3 U
CIS-1,2-DICHLOROETHENE	0.32 U	0.32 U	0.31 U	0.33 U	0.31 U	0.26 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.31 U	0.29 U	0.31 U	0.29 U	0.25 U
DIBROMOMETHANE	0.57 U	0.57 U	0.54 U	0.57 U	0.54 U	0.46 U
DICHLORODIFLUOROMETHANE	0.45 U	0.45 U	0.43 U	0.45 U	0.43 U	0.37 U
DIISOPROPYL ETHER	1.3 U	1.4 U	1.3 U	1.4 U	1.3 U	1.1 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.2 U	0.19 U	0.2 U	0.19 U	0.16 U
ETHYLBENZENE	0.23 U	0.23 U	0.22 U	0.24 U	0.22 U	0.19 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-783	SB-784	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-783-09	D-SB-784-03	D-SB-784-05	D-SB-784-07	D-SB-784-09	D-SB-785-03
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1.1 U	1.1 U	1 U	1.1 U	1 U	0.88 U
ISOPROPYLBENZENE	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.12 U
M+P-XYLENES	1.1 U	1.1 U	1 U	1.1 U	1 U	0.88 U
METHYL TERT-BUTYL ETHER	0.39 U	0.39 U	0.37 U	0.39 U	0.37 U	0.31 UJ
METHYLENE CHLORIDE	0.6 U	0.6 U	0.57 U	0.61 U	0.57 U	1 B
NAPHTHALENE	0.17 U	0.17 U	0.16 U	0.17 U	0.16 U	0.75 B
N-BUTYLBENZENE	0.21 U	0.21 U	0.2 U	0.21 U	0.2 U	0.17 U
N-PROPYLBENZENE	0.36 U	0.36 U	0.34 U	0.36 U	0.34 U	0.29 U
O-XYLENE	0.31 U	0.32 U	0.3 U	0.32 U	0.3 U	0.26 U
SEC-BUTYLBENZENE	0.16 U	0.16 U	0.15 U	0.16 U	0.15 U	0.13 U
STYRENE	0.13 U	0.14 U	0.13 U	0.14 U	0.13 U	0.11 U
TERT-AMYL METHYL ETHER	0.33 U	0.33 U	0.32 U	0.33 U	0.32 U	0.27 UJ
TERT-BUTYLBENZENE	0.26 U	0.26 U	0.25 U	0.26 U	0.25 U	0.21 U
TERTIARY-BUTYL ALCOHOL	6.8 UR	6.9 UR	6.5 UR	6.9 UR	6.5 UR	44 B
TETRACHLOROETHENE	0.47 U	0.47 U	0.44 U	0.47 U	0.44 U	0.38 U
TOLUENE	0.24 U	0.24 U	0.23 U	0.24 U	0.23 U	0.2 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.6 U	0.6 U	0.57 U	0.61 U	0.57 U	0.49 U
TRANS-1,2-DICHLOROETHENE	0.37 U	0.37 U	0.35 U	0.37 U	0.35 U	0.3 U
TRANS-1,3-DICHLOROPROPENE	0.49 U	0.49 U	0.46 U	0.49 U	0.46 U	0.39 U
TRICHLOROETHENE	0.38 U	0.38 U	0.36 U	0.38 U	0.36 U	0.31 U
TRICHLOROFLUOROMETHANE	0.31 U	0.31 U	0.29 U	0.31 U	0.29 U	0.25 U
VINYL ACETATE	0.22 U	0.23 U	0.21 U	0.23 U	0.21 U	0.18 U
VINYL CHLORIDE	0.35 U	0.35 U	0.33 U	0.35 U	0.33 U	0.28 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	32 U	32 U	33 U	32 U	31 U	32 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	26 U	26 U	27 U	26 U	25 U	26 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	11 U	12 U	11 U	11 U	11 U
2,4,5-TRICHLOROPHENOL	30 U	29 U	31 U	30 U	29 U	30 U
2,4,6-TRICHLOROPHENOL	95 U	94 U	99 U	95 U	91 U	96 U
2,4-DICHLOROPHENOL	24 U	23 U	25 U	24 U	23 U	24 U
2,4-DIMETHYLPHENOL	24 U	23 U	25 U	24 U	23 U	24 U
2,4-DINITROPHENOL	95 U	94 U	99 U	95 U	91 U	96 U
2,4-DINITROTOLUENE	32 U	32 U	33 U	32 U	31 U	32 U
2,6-DINITROTOLUENE	25 U	25 U	26 U	25 U	24 U	25 U
2-CHLORONAPHTHALENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	3.9 U
2-CHLOROPHENOL	32 U	32 U	33 U	32 U	31 U	32 U
2-METHYLPHENOL	95 U	94 U	99 U	95 U	91 U	96 U
2-NITROANILINE	11 U	11 U	11 U	11 U	10 U	11 U
2-NITROPHENOL	32 U	32 U	33 U	32 U	31 U	32 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	21 U	21 U	22 U	21 U	21 U	22 U
3-NITROANILINE	19 U	19 U	20 U	19 U	18 U	19 U
4,6-DINITRO-2-METHYLPHENOL	95 U	94 U	99 U	95 U	91 U	96 U
4-BROMOPHENYL PHENYL ETHER	15 U	15 U	16 U	15 U	15 U	16 U
4-CHLORO-3-METHYLPHENOL	25 U	25 U	26 U	25 U	24 U	25 U
4-CHLOROANILINE	20 U	20 U	21 U	20 U	19 U	20 U
4-CHLOROPHENYL PHENYL ETHER	15 U	15 U	16 U	15 U	15 U	16 U
4-METHYLPHENOL	95 U	94 U	99 U	95 U	91 U	96 U
4-NITROANILINE	31 U	30 U	32 U	31 U	30 U	31 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-783	SB-784	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-783-09	D-SB-784-03	D-SB-784-05	D-SB-784-07	D-SB-784-09	D-SB-785-03
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	95 U	94 U	99 U	95 U	91 U	96 U
ACETOPHENONE	11 U	11 U	11 U	11 U	10 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	11 U	11 U	11 U	10 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	14 U	14 U	15 U	14 U	14 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	26 U	26 U	27 U	26 U	25 U	26 U
BIS(2-CHLOROETHYL)ETHER	2.4 U	2.3 U	2.5 U	2.4 U	2.3 U	2.4 U
BIS(2-ETHYLHEXYL)PHTHALATE	22 U	35 J	24 U	23 U	110	23 U
BUTYL BENZYL PHTHALATE	12 U	12 U	12 U	12 U	11 U	12 U
CAPROLACTAM	44 U	43 U	46 U	44 U	42 U	44 U
CARBAZOLE	32 U	32 U	33 U	32 U	31 U	32 U
DIBENZOFURAN	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	3.9 U
DIETHYL PHTHALATE	19 U	19 U	20 U	19 U	18 U	19 U
DIMETHYL PHTHALATE	20 U	20 U	21 U	20 U	19 U	20 U
DI-N-BUTYL PHTHALATE	18 U	18 U	19 U	18 U	17 U	18 U
DI-N-OCTYL PHTHALATE	32 U	32 U	33 U	32 U	31 U	32 U
HEXACHLOROBENZENE	2.5 U	2.5 U	2.6 U	2.5 U	2.4 U	2.5 U
HEXACHLOROBUTADIENE	32 U	32 U	33 U	32 U	31 U	32 U
HEXACHLOROCYCLOPENTADIENE	32 U	32 U	33 U	32 U	31 U	32 U
HEXACHLOROETHANE	11 U	11 U	11 U	11 U	10 U	11 U
ISOPHORONE	15 U	15 U	16 U	15 U	15 U	16 U
NITROBENZENE	2.6 U	2.6 U	2.7 U	2.6 U	2.5 U	2.6 U
N-NITROSODIMETHYLAMINE	19 U	19 U	20 U	19 U	18 U	19 U
N-NITROSO-DI-N-PROPYLAMINE	32 U	32 U	33 U	32 U	31 U	32 U
N-NITROSODIPHENYLAMINE	25 U	25 U	26 U	25 U	24 U	25 U
PENTACHLOROPHENOL	95 U	94 U	99 U	95 U	91 U	96 U
PHENOL	32 U	32 U	33 U	32 U	31 U	32 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	3.9 U
ACENAPHTHENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	3.9 U
ACENAPHTHYLENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	3.9 U
ANTHRACENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	8.5
BAP EQUIVALENT-HALFND	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	38.6
BAP EQUIVALENT-POS	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	38.6
BENZO(A)ANTHRACENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	21
BENZO(A)PYRENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	17
BENZO(B)FLUORANTHENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	25
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	12
BENZO(K)FLUORANTHENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-783	SB-784	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-783-09	D-SB-784-03	D-SB-784-05	D-SB-784-07	D-SB-784-09	D-SB-785-03
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.4 U	1.3 U	1.3 U	17
DIBENZO(A,H)ANTHRACENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	16
FLUORANTHENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	35
FLUORENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	3.9 U
INDENO(1,2,3-CD)PYRENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	10
NAPHTHALENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	3.9 U
PHENANTHRENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	36
PYRENE	3.9 U	3.9 U	4.1 U	3.9 U	3.8 U	28
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	225.5
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.73 UJ	0.73 UJ	3.8 UJ	0.74 UJ	0.71 U	37 U
4,4'-DDE	0.46 U	0.46 U	2.4 U	0.46 U	0.44 U	23 UJ
4,4'-DDT	0.75 U	0.74 U	3.9 U	0.75 U	0.72 U	38 U
ALDRIN	1.4 UJ	1.4 UJ	7.4 U	1.4 UJ	1.4 U	72 U
ALPHA-BHC	0.86 UJ	0.86 UJ	4.5 U	0.87 UJ	0.83 U	44 UJ
ALPHA-CHLORDANE	1.1 UJ	1.1 UJ	5.8 U	1.1 UJ	1.1 U	56 UJ
AROCLOR-1016	25 U	25 U	26 U	25 U	24 U	25 U
AROCLOR-1221	19 U	19 U	20 U	19 U	18 U	19 U
AROCLOR-1232	17 U	16 U	17 U	17 U	16 U	17 U
AROCLOR-1242	15 U	15 U	16 U	15 U	15 U	16 U
AROCLOR-1248	20 U	20 U	21 U	20 U	19 U	20 U
AROCLOR-1254	20 U	20 U	21 U	20 U	19 U	20 U
AROCLOR-1260	20 U	20 U	21 U	20 U	19 U	20 U
BETA-BHC	1.3 UJ	1.3 UJ	6.8 U	1.3 UJ	1.3 U	66 UJ
DELTA-BHC	1.4 UJ	1.4 UJ	7.4 U	1.4 UJ	1.4 U	72 UJ
DIELDRIN	0.56 UJ	0.55 UJ	2.9 U	0.56 UJ	0.54 U	28 UJ
ENDOSULFAN I	0.62 UJ	0.61 UJ	3.2 U	0.62 UJ	0.59 U	31 UJ
ENDOSULFAN II	0.97 UJ	0.96 UJ	5.1 U	0.98 UJ	0.93 U	49 U
ENDOSULFAN SULFATE	1 UJ	1 UJ	5.4 U	1 UJ	0.99 U	52 U
ENDRIN	0.59 UJ	0.59 UJ	3.1 U	0.59 UJ	0.57 U	30 UJ
ENDRIN ALDEHYDE	1.2 U	1.2 U	6.2 U	1.2 U	1.1 U	60 U
ENDRIN KETONE	0.75 U	0.74 U	3.9 U	0.75 U	0.72 U	38 U
GAMMA-BHC (LINDANE)	0.88 UJ	0.87 UJ	4.6 U	0.88 UJ	0.84 U	44 UJ
GAMMA-CHLORDANE	0.5 UJ	0.49 UJ	2.6 U	0.5 UJ	0.48 U	25 UJ
HEPTACHLOR	1.3 UJ	1.3 UJ	6.8 U	1.3 UJ	1.3 U	66 UJ
HEPTACHLOR EPOXIDE	0.95 UJ	0.94 UJ	4.9 U	0.95 UJ	0.91 U	48 UJ
METHOXYCHLOR	1.8 U	1.8 U	9.3 U	1.8 U	1.7 U	90 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	22 U	22 U	120 U	23 U	22 U	1100 U
METALS (MG/KG)						
ANTIMONY	0.059 B	0.19 B	0.34 J	0.31 J	0.027 UJ	0.21 J
ARSENIC	1.8 J	3 J	8 J	5.8 J	2.6 J	4.6
BARIUM	8.4	14.8	13.4	16.4	7.5	24.8 J

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-783	SB-784	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-783-09	D-SB-784-03	D-SB-784-05	D-SB-784-07	D-SB-784-09	D-SB-785-03
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	0.66	1.5	2.2	2.8	0.77	2.2
CADMIUM	0.0092 UL	0.024 B	0.023 B	0.036 J	0.0089 UL	0.037 J
CHROMIUM	8.7 J	14.7 J	23.9 J	21.9 J	6.8 J	17
COBALT	2 J	7.7 J	6.5 J	5.6 J	3.1 J	9.8
COPPER	5.7 J	15.7 J	36.2 J	110 J	9.7 J	25.8 J
IRON	4670 J	17600 J	45800 J	35400 J	2570 J	20600 J
LEAD	3.2	9.4	7.7	7.4	4.4	13.8 J
MANGANESE	9.4	67.3	118	61.5	14.9	94.3 J
MERCURY	0.018 U	0.018 U	0.019 U	0.018 U	0.017 U	0.3 K
MOLYBDENUM	0.075 U	0.29	0.89	0.54	0.072 U	0.54
NICKEL	4.5 J	21.4 J	16.6 J	24.8 J	4.4 J	14.6 J
SELENIUM	1.5	2.5	0.86	2.7	3.3	2.6 L
SILVER	0.019 UL	0.019 UL	0.02 UL	0.019 UL	0.018 UL	0.2 K
THALLIUM	0.07 B	0.081 B	0.038 B	0.12 B	0.1 B	0.064 J
VANADIUM	10.4 J	25.3 J	57.7 J	38.3 J	9.7 J	25.7
ZINC	13.4 J	35 J	31.2 J	71.3 J	10.8 J	28.6 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	3300 U	3400 J	37000	6700 J	3200 U	73000
GASOLINE RANGE ORGANICS	54 U	54 U	57 U	55 U	52 U	55 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.32 U	0.73 J	0.94 J	0.5 J	0.31 U	0.91 J
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-785	SB-785	SB-785	SB-786	SB-786	SB-786
SAMPLE ID	D-SB-785-05	D-SB-785-07	D-SB-785-09	D-SB-786-03	D-SB-786-05	D-SB-786-07
SAMPLE DATE	20100903	20100903	20100908	20100903	20100903	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.57 U	0.71 UJ	0.58 U	6.9 U	8.5 U	0.68 U
1,1,1-TRICHLOROETHANE	0.51 U	0.64 UJ	0.53 U	16 U	20 U	0.62 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.39 UJ	0.32 U	6.8 U	8.3 U	0.38 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.5 UJ	1.2 U	30 U	36 U	1.4 U
1,1-DICHLOROETHANE	0.33 U	0.41 UJ	0.34 U	13 U	16 U	0.4 U
1,1-DICHLOROETHENE	0.48 U	0.6 UJ	0.49 U	14 U	17 U	0.57 U
1,1-DICHLOROPROPENE	0.28 U	0.35 UJ	0.28 U	7.6 U	9.3 U	0.33 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.44 UJ	0.36 U	7.6 U	9.3 U	0.42 U
1,2,3-TRICHLOROPROPANE	0.83 U	1 UJ	0.85 U	16 U	20 U	0.99 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.2 UJ	0.16 U	23 J	8.3 J	3.4 J
1,2,4-TRICHLOROBENZENE	0.25 U	0.31 UJ	0.25 U	5.6 U	6.8 U	0.3 U
1,2,4-TRIMETHYLBENZENE	0.6 U	0.75 UJ	0.61 U	41 J	4.7 U	19
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.5 UJ	1.2 U	38 U	47 U	1.4 U
1,2-DIBROMOETHANE	0.46 U	0.58 UJ	0.47 U	7.6 U	9.3 U	0.55 U
1,2-DICHLOROBENZENE	0.33 U	0.41 UJ	0.34 U	6.6 U	8 U	0.4 U
1,2-DICHLOROETHANE	0.31 U	0.39 UJ	0.32 U	7.6 U	9.3 U	0.38 U
1,2-DICHLOROPROPANE	0.63 U	0.79 UJ	0.65 U	6.3 U	7.6 U	0.76 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.32 U	0.4 UJ	0.33 U	3.7 U	4.5 U	0.39 U
1,3-DICHLOROPROPANE	0.31 U	0.39 UJ	0.32 U	17 U	20 U	0.38 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.61 U	0.76 UJ	0.62 U	6.1 U	7.4 U	0.73 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.86 U	1.1 UJ	0.88 U	18 U	21 U	1 U
2-BUTANONE	1.4 J	5 J	1.3 U	120 B	40 U	5.9 B
2-CHLOROETHYL VINYL ETHER	1.3 U	1.6 UJ	1.3 U	33 U	40 U	1.5 U
2-CHLOROTOLUENE	0.37 U	0.46 UJ	0.38 U	6.9 U	8.4 U	0.44 U
2-HEXANONE	0.58 U	0.73 UJ	0.59 U	15 U	19 U	0.7 U
4-CHLOROTOLUENE	0.38 U	0.47 UJ	0.39 U	7.6 U	9.2 U	0.45 U
4-ISOPROPYLTOLUENE	0.19 U	0.24 UJ	0.2 U	3.7 U	4.5 U	0.34 J
4-METHYL-2-PENTANONE	0.5 U	0.62 UJ	0.51 U	37 U	45 U	0.6 U
ACETONE	11 B	390 B	220 B	130 U	160 U	35 B
BENZENE	0.21 U	0.26 UJ	0.22 U	9.2 U	11 U	0.25 U
BROMOBENZENE	0.3 U	0.38 UJ	0.31 U	9.9 U	12 U	0.36 U
BROMOCHLOROMETHANE	0.65 U	0.82 UJ	0.67 U	9.9 U	12 U	0.78 U
BROMODICHLOROMETHANE	0.26 U	0.32 UJ	0.26 U	7.6 U	9.2 U	0.31 U
BROMOFORM	0.3 U	0.38 UJ	0.31 U	15 U	18 U	0.36 U
BROMOMETHANE	0.5 U	0.62 UJ	0.51 U	22 U	27 U	0.6 U
CARBON DISULFIDE	0.9 B	2.3 B	0.97 B	35 J	11 U	1.4 B
CARBON TETRACHLORIDE	0.34 U	0.43 UJ	0.35 U	4.9 U	6 U	0.41 U
CHLOROBENZENE	0.3 U	0.38 UJ	0.31 U	4.9 U	6 U	0.36 U
CHLORODIBROMOMETHANE	0.5 U	0.63 UJ	0.52 U	9.2 U	11 U	0.61 U
CHLOROETHANE	0.79 U	0.99 UJ	0.81 U	47 U	57 U	0.95 U
CHLOROFORM	0.27 U	0.33 UJ	0.27 U	6.7 U	8.2 U	0.32 U
CHLOROMETHANE	0.38 U	0.47 UJ	0.39 U	11 U	13 U	0.45 U
CIS-1,2-DICHLOROETHENE	0.33 U	0.41 UJ	0.34 U	5.3 U	6.4 U	0.4 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.39 UJ	0.32 U	6 U	7.4 U	0.38 U
DIBROMOMETHANE	0.58 U	0.73 UJ	0.59 U	11 U	13 U	0.7 U
DICHLORODIFLUOROMETHANE	0.46 U	0.58 UJ	0.47 U	12 U	15 U	0.55 U
DIISOPROPYL ETHER	1.4 U	1.7 UJ	1.4 U	38 U	47 U	1.7 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.25 UJ	0.21 U	0.17 U	0.2 U	0.24 U
ETHYLBENZENE	0.24 U	0.3 UJ	0.24 U	40 J	13 J	0.67 J
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-785	SB-785	SB-785	SB-786	SB-786	SB-786
SAMPLE ID	D-SB-785-05	D-SB-785-07	D-SB-785-09	D-SB-786-03	D-SB-786-05	D-SB-786-07
SAMPLE DATE	20100903	20100903	20100908	20100903	20100903	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1.1 U	1.4 UJ	1.1 U	11 U	13 U	1.3 U
ISOPROPYLBENZENE	0.15 U	0.18 UJ	0.15 U	5.2 J	6.1 U	3.1 J
M+P-XYLENES	1.1 U	1.4 UJ	1.1 U	68 J	21 J	6 J
METHYL TERT-BUTYL ETHER	0.39 U	0.49 UJ	0.4 UJ	5.4 U	6.6 U	0.47 U
METHYLENE CHLORIDE	1.3 B	3.8 B	0.63 U	120 J	120 J	5.2 B
NAPHTHALENE	0.95 B	1.1 B	0.85 B	4000	1900	4.1 B
N-BUTYLBENZENE	0.21 U	0.26 UJ	0.22 U	6.1 U	7.4 U	0.25 U
N-PROPYLBENZENE	0.37 U	0.46 UJ	0.38 U	11 U	13 U	1.2 J
O-XYLENE	0.32 U	0.4 UJ	0.33 U	50 J	20 J	35
SEC-BUTYLBENZENE	0.17 U	0.21 UJ	0.17 U	3.6 U	4.4 U	0.2 U
STYRENE	0.14 U	0.17 UJ	0.14 U	4.3 U	5.2 U	0.17 U
TERT-AMYL METHYL ETHER	0.34 U	0.43 UJ	0.35 UJ	0.28 U	0.34 U	0.41 U
TERT-BUTYLBENZENE	0.27 U	0.33 UJ	0.27 U	5 U	6.1 U	0.32 U
TERTIARY-BUTYL ALCOHOL	49 B	67 B	51 B	2200 B	2600 B	59 B
TETRACHLOROETHENE	0.48 U	0.6 UJ	0.49 U	9.2 U	11 U	0.57 U
TOLUENE	0.25 U	0.31 UJ	0.25 U	13 U	16 U	0.3 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.61 U	0.77 UJ	0.63 U	120 J	41 J	42
TRANS-1,2-DICHLOROETHENE	0.38 U	0.47 UJ	0.39 U	7 U	8.6 U	0.45 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.62 UJ	0.51 U	15 U	19 U	0.6 U
TRICHLOROETHENE	0.39 U	0.48 UJ	0.39 U	7.4 U	9 U	0.46 U
TRICHLOROFLUOROMETHANE	0.31 U	0.39 UJ	0.32 U	12 U	15 U	0.38 U
VINYL ACETATE	0.23 U	0.29 UJ	0.23 U	18 U	21 U	0.28 U
VINYL CHLORIDE	0.36 U	0.45 UJ	0.37 U	14 U	17 U	0.43 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	33 U	34 U	33 U	32 U	34 U	33 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	27 U	28 U	27 U	26 U	28 U	27 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	12 U	12 U	11 U	12 U	12 U
2,4,5-TRICHLOROPHENOL	30 U	31 U	31 U	29 U	31 U	31 U
2,4,6-TRICHLOROPHENOL	97 U	100 U	98 U	94 U	100 U	99 U
2,4-DICHLOROPHENOL	24 U	25 U	24 U	23 U	25 U	25 U
2,4-DIMETHYLPHENOL	24 U	25 U	24 U	23 U	25 U	25 U
2,4-DINITROPHENOL	97 U	100 U	98 U	94 U	100 U	99 U
2,4-DINITROTOLUENE	33 U	34 U	33 U	32 U	34 U	33 U
2,6-DINITROTOLUENE	25 U	26 U	26 U	25 U	26 U	26 U
2-CHLORONAPHTHALENE	4 U	4.1 U	4 U	3.9 U	4.2 U	4.1 U
2-CHLOROPHENOL	33 U	34 U	33 U	32 U	34 U	33 U
2-METHYLPHENOL	97 U	100 U	98 U	94 U	100 U	99 U
2-NITROANILINE	11 U	11 U	11 U	11 U	11 U	11 U
2-NITROPHENOL	33 U	34 U	33 U	32 U	34 U	33 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	22 U	23 U	22 U	21 U	23 U	22 U
3-NITROANILINE	19 U	20 U	20 U	19 U	20 U	20 U
4,6-DINITRO-2-METHYLPHENOL	97 U	100 U	98 U	94 U	100 U	99 U
4-BROMOPHENYL PHENYL ETHER	16 U	16 U	16 U	15 U	16 U	16 U
4-CHLORO-3-METHYLPHENOL	25 U	26 U	26 U	25 U	26 U	26 U
4-CHLOROANILINE	21 U	21 U	21 U	20 U	21 U	21 U
4-CHLOROPHENYL PHENYL ETHER	16 U	16 U	16 U	15 U	16 U	16 U
4-METHYLPHENOL	97 U	100 U	98 U	94 U	100 U	99 U
4-NITROANILINE	31 U	33 U	32 U	31 U	33 U	32 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-785	SB-785	SB-785	SB-786	SB-786	SB-786
SAMPLE ID	D-SB-785-05	D-SB-785-07	D-SB-785-09	D-SB-786-03	D-SB-786-05	D-SB-786-07
SAMPLE DATE	20100903	20100903	20100908	20100903	20100903	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	97 U	100 U	98 U	94 U	100 U	99 U
ACETOPHENONE	11 U	12 U	11 U	11 U	12 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	11 U	11 U	11 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	14 U	15 U	15 U	14 U	15 U	15 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	27 U	28 U	27 U	26 U	28 U	27 U
BIS(2-CHLOROETHYL)ETHER	2.4 U	2.5 U	2.4 U	2.3 U	2.5 U	2.5 U
BIS(2-ETHYLHEXYL)PHTHALATE	23 U	24 U	23 U	22 J	24 U	24 U
BUTYL BENZYL PHTHALATE	12 U	13 U	12 U	12 U	13 U	12 U
CAPROLACTAM	45 U	46 U	45 U	43 U	47 U	46 U
CARBAZOLE	33 U	34 U	33 U	33 J	34 U	33 U
DIBENZOFURAN	4 U	4.1 U	4 U	18 J	8.9 J	4.1 U
DIETHYL PHTHALATE	19 U	20 U	20 U	19 U	20 U	20 U
DIMETHYL PHTHALATE	21 U	21 U	21 U	20 U	21 U	21 U
DI-N-BUTYL PHTHALATE	18 U	19 U	18 U	18 U	19 U	19 U
DI-N-OCTYL PHTHALATE	33 U	34 U	33 U	32 U	34 U	33 U
HEXACHLOROBENZENE	2.5 U	2.6 U	2.6 U	2.5 U	2.6 U	2.6 U
HEXACHLOROBUTADIENE	33 U	34 U	33 U	32 U	34 U	33 U
HEXACHLOROCYCLOPENTADIENE	33 U	34 U	33 U	32 U	34 U	33 U
HEXACHLOROETHANE	11 U	11 U	11 U	11 U	11 U	11 U
ISOPHORONE	16 U	16 U	16 U	15 U	16 U	16 U
NITROBENZENE	2.7 U	2.8 U	2.7 U	2.6 U	2.8 U	2.7 U
N-NITROSODIMETHYLAMINE	19 U	20 U	20 U	19 U	20 U	20 U
N-NITROSO-DI-N-PROPYLAMINE	33 U	34 U	33 U	32 U	34 U	33 U
N-NITROSODIPHENYLAMINE	25 U	26 U	26 U	25 U	26 U	26 U
PENTACHLOROPHENOL	97 U	100 U	98 U	94 U	100 U	99 U
PHENOL	33 U	34 U	33 U	32 U	34 U	33 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	4 U	4.1 U	4 U	16	45	4.1 U
ACENAPHTHENE	4 U	4.1 U	4 U	32	23	11
ACENAPHTHYLENE	4 U	4.1 U	4 U	3.9 U	4.2 U	4.1 U
ANTHRACENE	4 U	4.1 U	4 U	38	20	23
BAP EQUIVALENT-HALFND	4 U	14.4	4 U	161	50.0	58.2
BAP EQUIVALENT-POS	4 U	12.2	4 U	161	50.0	58.2
BENZO(A)ANTHRACENE	4 U	8.6	4 U	96	25	41
BENZO(A)PYRENE	4 U	9.9	4 U	100	24	30
BENZO(B)FLUORANTHENE	4 U	14	4 U	170	40	56
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	9.1	4 U	67	16	16
BENZO(K)FLUORANTHENE	4 U	4.1 U	4 U	71	16	19
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-785	SB-785	SB-785	SB-786	SB-786	SB-786
SAMPLE ID	D-SB-785-05	D-SB-785-07	D-SB-785-09	D-SB-786-03	D-SB-786-05	D-SB-786-07
SAMPLE DATE	20100903	20100903	20100908	20100903	20100903	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	9.1	1.3 U	230	57	54
DIBENZO(A,H)ANTHRACENE	4 U	4.1 U	4 U	28	18	17
FLUORANTHENE	4 U	17	4 U	140	84	140
FLUORENE	4 U	4.1 U	4 U	29	17	12
INDENO(1,2,3-CD)PYRENE	4 U	4.1 U	4 U	53	13	13
NAPHTHALENE	4 U	4.1 U	4 U	220	820	4.1 U
PHENANTHRENE	4 U	15	4 U	89	84	84
PYRENE	4 U	13	4 U	110	61	110
TOTAL PAHS	0 U	95.7	0 U	1489	1363	626
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.75 U	0.78 U	0.76 UJ	7.3 U	0.78 U	0.77 U
4,4'-DDE	0.47 UJ	0.49 UJ	0.48 U	4.6 U	0.49 U	0.48 U
4,4'-DDT	0.76 U	0.79 U	0.77 UJ	7.4 U	0.79 U	0.78 U
ALDRIN	1.4 U	1.5 U	1.5 U	14 U	1.5 U	1.5 U
ALPHA-BHC	0.88 UJ	0.91 UJ	0.89 U	8.6 UJ	0.92 UJ	0.91 UJ
ALPHA-CHLORDANE	1.1 UJ	1.2 UJ	1.1 U	11 U	1.2 U	1.2 U
AROCLOR-1016	25 U	26 U	26 U	25 U	26 U	26 U
AROCLOR-1221	19 U	20 U	20 U	19 U	20 U	20 U
AROCLOR-1232	17 U	18 U	17 U	16 U	18 U	17 U
AROCLOR-1242	16 U	16 U	16 U	15 U	16 U	16 U
AROCLOR-1248	21 U	21 U	21 U	20 U	21 U	21 U
AROCLOR-1254	21 U	21 U	21 U	20 U	21 U	21 U
AROCLOR-1260	21 U	21 U	21 U	20 U	21 U	21 U
BETA-BHC	1.3 UJ	1.4 UJ	1.3 U	13 UJ	1.4 UJ	1.4 UJ
DELTA-BHC	1.4 UJ	1.5 UJ	1.5 U	14 U	1.5 U	1.5 U
DIELDRIN	0.57 UJ	0.59 UJ	0.57 U	5.5 U	0.59 U	0.58 U
ENDOSULFAN I	0.63 UJ	0.65 UJ	0.63 U	6.1 U	0.65 U	0.65 U
ENDOSULFAN II	0.99 U	1 U	1 U	9.6 U	1 U	1 U
ENDOSULFAN SULFATE	1 U	1.1 U	1.1 U	10 U	1.1 U	1.1 U
ENDRIN	0.6 UJ	0.63 UJ	0.61 U	5.9 U	0.63 U	0.62 U
ENDRIN ALDEHYDE	1.2 U	1.3 U	1.2 U	12 U	1.3 U	1.2 U
ENDRIN KETONE	0.76 U	0.79 U	0.77 U	7.4 U	0.79 U	0.78 U
GAMMA-BHC (LINDANE)	0.89 UJ	0.93 UJ	0.9 U	8.7 UJ	0.93 UJ	0.92 UJ
GAMMA-CHLORDANE	0.51 UJ	0.53 UJ	0.51 U	4.9 U	0.53 U	0.52 U
HEPTACHLOR	1.3 UJ	1.4 UJ	1.3 U	13 UJ	1.4 UJ	1.4 UJ
HEPTACHLOR EPOXIDE	0.97 UJ	1 UJ	0.98 U	9.4 UJ	1 UJ	0.99 UJ
METHOXYCHLOR	1.8 U	1.9 U	1.8 U	18 U	1.9 U	1.9 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	23 U	24 U	23 UJ	220 U	24 U	24 U
METALS (MG/KG)						
ANTIMONY	0.32 J	0.065 J	0.13 J	0.16 J	0.32 J	0.17 J
ARSENIC	5.8	3.2	3.6 L	3.9	7.7	14.3
BARIUM	24.8 J	6.1 J	10.7 J	20.2 J	27.7 J	12 J

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-785	SB-785	SB-785	SB-786	SB-786	SB-786
SAMPLE ID	D-SB-785-05	D-SB-785-07	D-SB-785-09	D-SB-786-03	D-SB-786-05	D-SB-786-07
SAMPLE DATE	20100903	20100903	20100908	20100903	20100903	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	2.7	1.2	4.8 J	2.4	4	1.2
CADMIUM	0.26 L	0.022 J	0.01 B	0.091 J	0.091 J	0.038 J
CHROMIUM	22.4	15	14.9 J	18.5	24.3	18.4
COBALT	20	4.7	15.6	13.2	14.9	7.9
COPPER	31.5 J	8.9 J	89.7	20.3 J	30 J	16.1 J
IRON	29600 J	15500 J	36600 J	19000 J	36400 J	19400 J
LEAD	21.7 J	2.9 J	6.7	12.2 J	13.4 J	5.9 J
MANGANESE	95.3 J	38 J	63.2	50.1 J	91.2 J	33.5 J
MERCURY	0.4 K	0.019 U	0.018 U	0.16 K	0.16 K	0.021 J
MOLYBDENUM	0.56	0.81	0.17 J	0.33	0.52	0.49
NICKEL	41 J	8.3 J	35.4 J	27.6 J	39.2 J	20.3 J
SELENIUM	4 L	0.45 J	1.2 J	2.4 L	3.5 L	1.3 L
SILVER	0.33 K	0.02 U	0.02 UJ	0.16 K	0.08 J	0.02 U
THALLIUM	0.063 J	0.016 UL	0.12	0.057 J	0.065 J	0.033 J
VANADIUM	34.4	21.8	24.5	28.4	38.4	33.7
ZINC	141 J	19.8 J	127	58.3 J	90 J	23 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	4700 J	56000	3400 UJ	26000	45000	92000
GASOLINE RANGE ORGANICS	56 U	58 U	56 U	250	150	190
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.33 U	0.34 U	0.89 J	0.32 U	0.7 J	0.54 J
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-786	SB-787	SB-787	SB-787	SB-787	SB-788
SAMPLE ID	D-SB-786-09	D-SB-787-03	D-SB-787-05	D-SB-787-07	D-SB-787-09	D-SB-788-03
SAMPLE DATE	20100903	20100908	20100908	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.54 U	0.48 U	0.58 U	0.55 U	0.53 U	0.5 U
1,1,1-TRICHLOROETHANE	0.48 U	0.43 U	0.52 U	0.5 U	0.48 U	0.45 U
1,1,2,2-TETRACHLOROETHANE	0.29 U	0.26 U	0.32 U	0.3 U	0.29 U	0.27 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.1 U	1 U	1.2 U	1.2 U	1.1 U	1 U
1,1-DICHLOROETHANE	0.31 U	0.28 U	0.34 U	0.32 U	0.31 U	0.29 U
1,1-DICHLOROETHENE	0.45 U	0.4 U	0.49 U	0.46 U	0.45 U	0.42 U
1,1-DICHLOROPROPENE	0.26 U	0.23 U	0.28 U	0.27 U	0.26 U	0.24 U
1,2,3-TRICHLOROBENZENE	0.33 U	0.3 U	0.36 U	0.34 U	0.33 U	0.3 U
1,2,3-TRICHLOROPROPANE	0.78 U	0.7 U	0.84 U	0.8 U	0.77 U	0.72 U
1,2,3-TRIMETHYLBENZENE	0.41 B	0.13 U	0.16 U	0.15 U	0.15 U	0.15 J
1,2,4-TRICHLOROBENZENE	0.23 U	0.21 U	0.25 U	0.24 U	0.23 U	0.22 U
1,2,4-TRIMETHYLBENZENE	0.74 J	0.5 U	0.61 U	0.58 U	0.56 U	0.52 U
1,2-DIBROMO-3-CHLOROPROPANE	1.1 U	1 U	1.2 U	1.2 U	1.1 U	1 U
1,2-DIBROMOETHANE	0.43 U	0.39 U	0.47 U	0.45 U	0.43 U	0.4 U
1,2-DICHLOROBENZENE	0.31 U	0.28 U	0.34 U	0.32 U	0.31 U	0.29 U
1,2-DICHLOROETHANE	0.29 U	0.26 U	0.32 U	0.3 U	0.29 U	0.27 U
1,2-DICHLOROPROPANE	0.6 U	0.54 U	0.65 U	0.62 U	0.59 U	0.55 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.3 U	0.27 U	0.33 U	0.31 U	0.3 U	0.28 U
1,3-DICHLOROPROPANE	0.29 U	0.26 U	0.32 U	0.3 U	0.29 U	0.27 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.57 U	0.51 U	0.62 U	0.59 U	0.57 U	0.53 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.81 U	0.73 U	0.88 U	0.84 U	0.81 U	0.75 U
2-BUTANONE	1.3 B	5.6 J	6.1 J	1.9 B	2.5 J	19
2-CHLOROETHYL VINYL ETHER	1.2 U	1.1 U	1.3 U	1.2 U	1.2 U	1.1 U
2-CHLOROTOLUENE	0.35 U	0.31 U	0.37 U	0.36 U	0.34 U	0.32 U
2-HEXANONE	0.54 U	0.49 U	0.59 U	0.56 U	0.54 U	0.5 U
4-CHLOROTOLUENE	0.35 U	0.32 U	0.38 U	0.37 U	0.35 U	0.33 U
4-ISOPROPYLTOLUENE	0.18 U	0.16 U	0.2 U	0.19 U	0.18 U	0.85 J
4-METHYL-2-PENTANONE	0.47 U	0.42 U	0.5 U	0.48 U	0.46 U	0.43 U
ACETONE	26 B	36 B	240 B	45 B	290	110 B
BENZENE	0.79 J	0.18 U	0.22 U	0.21 U	0.2 U	0.18 U
BROMOBENZENE	0.29 U	0.26 U	0.31 U	0.29 U	0.28 U	0.26 U
BROMOCHLOROMETHANE	0.61 U	0.55 U	0.66 U	0.63 U	0.61 U	0.57 U
BROMODICHLOROMETHANE	0.24 U	0.22 U	0.26 U	0.25 U	0.24 U	0.22 U
BROMOFORM	0.29 U	0.26 U	0.31 U	0.29 U	0.28 U	0.26 U
BROMOMETHANE	0.47 U	0.42 U	0.5 U	0.48 U	0.46 U	0.43 U
CARBON DISULFIDE	0.94 B	1.2 B	0.91 B	0.84 B	0.38 U	1 B
CARBON TETRACHLORIDE	0.32 U	0.29 U	0.35 U	0.33 U	0.32 U	0.3 U
CHLOROBENZENE	0.29 U	0.26 U	0.31 U	0.29 U	0.28 U	0.26 U
CHLORODIBROMOMETHANE	0.48 U	0.43 U	0.51 U	0.49 U	0.47 U	0.44 U
CHLOROETHANE	0.74 U	0.67 U	0.8 U	0.77 U	0.74 U	0.69 U
CHLOROFORM	0.25 U	0.23 U	0.27 U	0.26 U	0.25 U	0.23 U
CHLOROMETHANE	0.35 U	0.32 U	0.38 U	0.37 U	0.35 U	0.33 U
CIS-1,2-DICHLOROETHENE	0.31 U	0.28 U	0.34 U	0.32 U	0.31 U	0.29 U
CIS-1,3-DICHLOROPROPENE	0.29 U	0.26 U	0.32 U	0.3 U	0.29 U	0.27 U
DIBROMOMETHANE	0.54 U	0.49 U	0.59 U	0.56 U	0.54 U	0.5 U
DICHLORODIFLUOROMETHANE	0.43 U	0.39 U	0.47 U	0.45 U	0.43 U	0.4 U
DIISOPROPYL ETHER	1.3 U	1.2 U	1.4 U	1.3 U	1.3 U	1.2 U
ETHYL TERT-BUTYL ETHER	0.19 U	0.17 U	0.21 U	0.2 U	0.19 U	0.18 U
ETHYLBENZENE	0.22 U	0.2 U	0.24 U	0.23 U	0.22 U	0.21 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-786	SB-787	SB-787	SB-787	SB-787	SB-788
SAMPLE ID	D-SB-786-09	D-SB-787-03	D-SB-787-05	D-SB-787-07	D-SB-787-09	D-SB-788-03
SAMPLE DATE	20100903	20100908	20100908	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1 U	0.93 U	1.1 U	1.1 U	1 U	0.96 U
ISOPROPYLBENZENE	0.14 U	0.12 U	0.15 U	0.14 U	0.14 U	0.13 U
M+P-XYLENES	1 U	0.93 U	1.1 U	1.1 U	1 U	0.96 U
METHYL TERT-BUTYL ETHER	0.37 U	0.33 UJ	0.4 UJ	0.38 U	0.37 UJ	0.34 UJ
METHYLENE CHLORIDE	5.4 B	0.52 U	0.63 U	3.1 B	0.57 U	0.54 U
NAPHTHALENE	16	0.99 B	0.92 B	0.92 B	0.78 B	6 B
N-BUTYLBENZENE	0.2 U	0.18 U	0.22 U	0.21 U	0.2 U	0.18 U
N-PROPYLBENZENE	0.35 U	0.31 U	0.37 U	0.36 U	0.34 U	0.32 U
O-XYLENE	2 J	0.27 U	0.33 U	0.31 U	0.3 U	0.28 U
SEC-BUTYLBENZENE	0.16 U	0.14 U	0.17 U	0.16 U	0.15 U	0.14 U
STYRENE	0.13 U	0.12 U	0.14 U	0.13 U	0.13 U	0.12 U
TERT-AMYL METHYL ETHER	0.32 U	0.29 UJ	0.35 UJ	0.33 U	0.32 UJ	0.3 UJ
TERT-BUTYLBENZENE	0.25 U	0.23 U	0.27 U	0.26 U	0.25 U	0.23 U
TERTIARY-BUTYL ALCOHOL	46 B	42 B	56 B	47 B	48 B	6.1 UR
TETRACHLOROETHENE	0.45 U	0.4 U	0.49 U	0.46 U	0.45 U	0.42 U
TOLUENE	0.23 U	0.26 J	0.25 U	0.24 U	0.23 U	0.69 J
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	2.9 J	0.52 U	0.63 U	0.6 U	0.57 U	0.54 U
TRANS-1,2-DICHLOROETHENE	0.35 U	0.32 U	0.38 U	0.37 U	0.35 U	0.33 U
TRANS-1,3-DICHLOROPROPENE	0.47 U	0.42 U	0.5 U	0.48 U	0.46 U	0.43 U
TRICHLOROETHENE	0.36 U	0.33 U	0.39 U	0.37 U	0.36 U	0.34 U
TRICHLOROFLUOROMETHANE	0.29 U	0.26 U	0.32 U	0.3 U	0.29 U	0.27 U
VINYL ACETATE	0.22 U	0.19 U	0.23 U	0.22 U	0.21 U	0.2 U
VINYL CHLORIDE	0.34 U	0.3 U	0.36 U	0.35 U	0.33 U	0.31 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	32 U	62 U	35 U	33 U	32 U	31 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	26 U	50 U	28 U	27 U	26 U	25 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	22 U	12 U	12 U	11 U	11 U
2,4,5-TRICHLOROPHENOL	30 U	57 U	32 U	31 U	30 U	29 U
2,4,6-TRICHLOROPHENOL	95 U	180 U	100 U	98 U	95 U	91 U
2,4-DICHLOROPHENOL	24 U	46 U	26 U	24 U	24 U	23 U
2,4-DIMETHYLPHENOL	24 U	46 U	26 U	24 U	24 U	23 U
2,4-DINITROPHENOL	95 U	180 U	100 U	98 U	95 U	91 U
2,4-DINITROTOLUENE	32 U	62 U	35 U	33 U	32 U	31 U
2,6-DINITROTOLUENE	25 U	48 U	27 U	26 U	25 U	24 U
2-CHLORONAPHTHALENE	3.9 U	7.5 U	4.2 U	4 U	3.9 U	3.8 U
2-CHLOROPHENOL	32 U	62 U	35 U	33 U	32 U	31 U
2-METHYLPHENOL	95 U	180 U	100 U	98 U	95 U	91 U
2-NITROANILINE	11 U	21 U	12 U	11 U	11 U	10 U
2-NITROPHENOL	32 U	62 U	35 U	33 U	32 U	31 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	21 U	41 U	23 U	22 U	21 U	21 U
3-NITROANILINE	19 U	37 U	20 U	20 U	19 U	18 U
4,6-DINITRO-2-METHYLPHENOL	95 U	180 U	100 U	98 U	95 U	91 U
4-BROMOPHENYL PHENYL ETHER	15 U	30 U	17 U	16 U	15 U	15 U
4-CHLORO-3-METHYLPHENOL	25 U	48 U	27 U	26 U	25 U	24 U
4-CHLOROANILINE	20 U	39 U	22 U	21 U	20 U	19 U
4-CHLOROPHENYL PHENYL ETHER	15 U	30 U	17 U	16 U	15 U	15 U
4-METHYLPHENOL	95 U	180 U	100 U	98 U	95 U	91 U
4-NITROANILINE	31 U	59 U	33 U	32 U	31 U	30 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-786	SB-787	SB-787	SB-787	SB-787	SB-788
SAMPLE ID	D-SB-786-09	D-SB-787-03	D-SB-787-05	D-SB-787-07	D-SB-787-09	D-SB-788-03
SAMPLE DATE	20100903	20100908	20100908	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	95 U	180 U	100 U	98 U	95 U	91 U
ACETOPHENONE	11 U	21 U	12 U	11 U	11 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	21 U	12 U	11 U	11 U	10 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	14 U	27 U	15 U	15 U	14 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	26 U	50 U	28 U	27 U	26 U	25 U
BIS(2-CHLOROETHYL)ETHER	2.4 U	4.6 U	2.6 U	2.4 U	2.4 U	2.3 U
BIS(2-ETHYLHEXYL)PHTHALATE	22 U	43 U	24 U	23 U	23 U	22 U
BUTYL BENZYL PHTHALATE	12 U	23 U	13 U	12 U	12 U	11 U
CAPROLACTAM	44 U	84 U	47 U	45 U	44 U	42 U
CARBAZOLE	32 U	180	35 U	33 U	32 U	31 U
DIBENZOFURAN	3.9 U	120	4.2 U	4 U	3.9 U	3.8 U
DIETHYL PHTHALATE	19 U	37 U	20 U	20 U	19 U	18 U
DIMETHYL PHTHALATE	20 U	39 U	22 U	21 U	20 U	19 U
DI-N-BUTYL PHTHALATE	18 U	34 U	19 U	18 U	18 U	17 U
DI-N-OCTYL PHTHALATE	32 U	62 U	35 U	33 U	32 U	31 U
HEXACHLOROBENZENE	2.5 U	4.8 U	2.7 U	2.6 U	2.5 U	2.4 U
HEXACHLOROBUTADIENE	32 U	62 U	35 U	33 U	32 U	31 U
HEXACHLOROCYCLOPENTADIENE	32 U	62 U	35 U	33 U	32 U	31 U
HEXACHLOROETHANE	11 U	21 U	12 U	11 U	11 U	10 U
ISOPHORONE	15 U	30 U	17 U	16 U	15 U	15 U
NITROBENZENE	2.6 U	5 U	2.8 U	2.7 U	2.6 U	2.5 U
N-NITROSODIMETHYLAMINE	19 U	37 U	20 U	20 U	19 U	18 U
N-NITROSO-DI-N-PROPYLAMINE	32 U	62 U	35 U	33 U	32 U	31 U
N-NITROSODIPHENYLAMINE	25 U	48 U	27 U	26 U	25 U	24 U
PENTACHLOROPHENOL	95 U	180 U	100 U	98 U	95 U	91 U
PHENOL	32 U	62 U	35 U	33 U	32 U	31 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.9 U	50	4.2 U	4 U	3.9 U	7.9
ACENAPHTHENE	3.9 U	230	4.2 U	4 U	3.9 U	3.8 U
ACENAPHTHYLENE	3.9 U	7.5 U	4.2 U	4 U	3.9 U	3.8 U
ANTHRACENE	3.9 U	430	4.2 U	4 U	3.9 U	3.8 U
BAP EQUIVALENT-HALFND	3.9 U	772	4.2 U	4 U	3.9 U	53.0
BAP EQUIVALENT-POS	3.9 U	772	4.2 U	4 U	3.9 U	51.1
BENZO(A)ANTHRACENE	3.9 U	720	4.2 U	4 U	3.9 U	26
BENZO(A)PYRENE	3.9 U	520	4.2 U	4 U	3.9 U	40
BENZO(B)FLUORANTHENE	3.9 U	680	4.2 U	4 U	3.9 U	48
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	250	4.2 U	4 U	3.9 U	25
BENZO(K)FLUORANTHENE	3.9 U	310	4.2 U	4 U	3.9 U	23
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-786	SB-787	SB-787	SB-787	SB-787	SB-788
SAMPLE ID	D-SB-786-09	D-SB-787-03	D-SB-787-05	D-SB-787-07	D-SB-787-09	D-SB-788-03
SAMPLE DATE	20100903	20100908	20100908	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	680	1.4 U	1.3 U	1.3 U	32
DIBENZO(A,H)ANTHRACENE	3.9 U	85	4.2 U	4 U	3.9 U	3.8 U
FLUORANTHENE	3.9 U	1700	4.2 U	4 U	3.9 U	49
FLUORENE	3.9 U	230	4.2 U	4 U	3.9 U	3.8 U
INDENO(1,2,3-CD)PYRENE	3.9 U	230	4.2 U	4 U	3.9 U	34
NAPHTHALENE	3.9 U	75	4.2 U	4 U	3.9 U	20
PHENANTHRENE	3.9 U	1600	4.2 U	4 U	3.9 U	29
PYRENE	3.9 U	1100	4.2 U	4 U	3.9 U	46
TOTAL PAHS	0 U	8890	0 U	0 U	0 U	379.9
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.73 U	0.71 UJ	0.79 UJ	0.76 U	0.74 UJ	0.71 UJ
4,4'-DDE	0.46 U	0.45 U	0.5 U	0.48 UJ	0.46 U	0.45 U
4,4'-DDT	0.75 U	0.72 UJ	0.81 UJ	0.77 U	0.75 UJ	0.72 UJ
ALDRIN	1.4 U	1.4 U	1.5 U	1.5 U	1.4 U	1.4 U
ALPHA-BHC	0.86 UJ	0.83 U	0.94 U	0.89 UJ	0.87 U	0.83 U
ALPHA-CHLORDANE	1.1 U	1.1 U	1.2 U	1.1 UJ	1.1 U	1.1 U
AROCLOR-1016	25 U	24 U	27 U	26 U	25 U	24 U
AROCLOR-1221	19 U	18 U	20 U	20 U	19 U	18 U
AROCLOR-1232	17 U	16 U	18 U	17 U	17 U	16 U
AROCLOR-1242	15 U	15 U	17 U	16 U	15 U	15 U
AROCLOR-1248	20 U	19 U	22 U	21 U	20 U	19 U
AROCLOR-1254	20 U	19 U	22 U	21 U	20 U	19 U
AROCLOR-1260	20 U	19 U	22 U	21 U	20 U	19 U
BETA-BHC	1.3 UJ	1.3 U	1.4 U	1.3 UJ	1.3 U	1.3 U
DELTA-BHC	1.4 U	1.4 U	1.5 U	1.5 UJ	1.4 U	1.4 U
DIELDRIN	0.56 U	0.54 U	0.6 U	0.57 UJ	0.56 U	0.54 U
ENDOSULFAN I	0.62 U	0.59 U	0.67 U	0.64 UJ	0.62 U	0.59 U
ENDOSULFAN II	0.97 U	0.94 U	1.1 U	1 U	0.98 U	0.94 U
ENDOSULFAN SULFATE	1 U	0.99 U	1.1 U	1.1 U	1 U	0.99 U
ENDRIN	0.59 U	0.57 U	0.64 U	0.61 UJ	0.59 U	0.57 UJ
ENDRIN ALDEHYDE	1.2 U	1.1 U	1.3 U	1.2 U	1.2 U	1.1 U
ENDRIN KETONE	0.75 U	0.72 U	0.81 U	0.77 U	0.75 U	0.72 U
GAMMA-BHC (LINDANE)	0.88 UJ	0.84 U	0.95 U	0.9 UJ	0.88 U	0.85 U
GAMMA-CHLORDANE	0.5 U	0.48 U	0.54 U	0.51 UJ	0.5 U	0.48 U
HEPTACHLOR	1.3 UJ	1.3 U	1.4 U	1.3 UJ	1.3 U	1.3 UJ
HEPTACHLOR EPOXIDE	0.95 UJ	0.91 U	1 U	0.98 UJ	0.95 U	0.91 U
METHOXYCHLOR	1.8 U	1.7 U	1.9 U	1.8 U	1.8 U	1.7 UJ
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	22 U	22 UJ	24 UJ	23 U	23 UJ	22 U
METALS (MG/KG)						
ANTIMONY	0.2 J	0.18 J	0.33 J	0.35 J	0.34 J	0.14 UJ
ARSENIC	3.6	4.6 L	5.3 L	6.6	6.8 L	1.9
BARIUM	5.2 J	25.8 J	19.2 J	19.8 J	11 J	25.4

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-786	SB-787	SB-787	SB-787	SB-787	SB-788
SAMPLE ID	D-SB-786-09	D-SB-787-03	D-SB-787-05	D-SB-787-07	D-SB-787-09	D-SB-788-03
SAMPLE DATE	20100903	20100908	20100908	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	7	9	3
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	1.1	1.6 J	3.9 J	4.5	4.5 J	0.73
CADMIUM	0.025 J	0.15 K	0.041 J	0.025 J	0.067 J	1.1
CHROMIUM	26.8	17.7 J	26.4 J	38.8	34.2 J	8.8
COBALT	11.3	23.6	6.2	8.2	12.4	6.1
COPPER	13.6 J	20.3	23.3	21.9 J	20.3	17.2 L
IRON	31300 J	24200 J	40500 J	51100 J	72900 J	5730
LEAD	7 J	13.1	9.1	8 J	6.8	30.6
MANGANESE	16.6 J	111	66.1	89 J	43.4	17
MERCURY	0.018 U	0.096 J	0.019 U	0.018 U	0.018 U	0.6
MOLYBDENUM	0.69	0.4	0.72	0.93	1	0.16 J
NICKEL	23.8 J	30 J	22.3 J	34 J	51.2 J	11.1
SELENIUM	1.2 L	1.4 L	1.1 J	1.2 L	1.7 L	1.3 J
SILVER	0.019 U	0.14 J	0.02 UJ	0.02 U	0.019 UJ	0.65
THALLIUM	0.018 J	0.076 B	0.099 B	0.079 J	0.064 B	0.074 U
VANADIUM	68	32.1	42.5	50.6	88.5	13.1
ZINC	20.2 J	49.5	37.8	38.8 J	57.5	205 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	3300 U	81000	9000 J	3400 U	3300 UJ	26000
GASOLINE RANGE ORGANICS	54 U	53 U	59 U	56 U	55 U	53 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.71 J	0.31 U	0.51 J	0.33 U	0.32 U	1.1
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-788	SB-788	SB-788	SB-789	SB-789	SB-789
SAMPLE ID	D-SB-788-05	D-SB-788-07	D-SB-788-09	D-SB-789-03	D-SB-789-05	D-SB-789-07
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.57 U	0.52 U	0.55 U	0.5 U	0.52 U	0.61 U
1,1,1-TRICHLOROETHANE	0.52 U	0.47 U	0.49 U	0.45 U	0.47 U	0.55 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.29 U	0.3 U	0.27 U	0.28 U	0.33 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.1 U	1.1 U	1 U	1.1 U	1.3 U
1,1-DICHLOROETHANE	0.33 U	0.3 U	0.32 U	0.29 U	0.3 U	0.35 U
1,1-DICHLOROETHENE	0.48 U	0.44 U	0.46 U	0.42 U	0.43 U	0.51 U
1,1-DICHLOROPROPENE	0.28 U	0.25 U	0.26 U	0.24 U	0.25 U	0.3 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.32 U	0.33 U	0.31 U	0.32 U	0.37 U
1,2,3-TRICHLOROPROPANE	0.83 U	0.76 U	0.79 U	0.72 U	0.75 U	0.89 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.14 U	0.15 U	0.14 U	0.14 U	0.17 U
1,2,4-TRICHLOROBENZENE	0.25 U	0.23 U	0.24 U	0.22 U	0.22 U	0.27 U
1,2,4-TRIMETHYLBENZENE	0.6 U	0.55 U	0.57 U	0.52 U	0.54 U	0.64 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.1 U	1.1 U	1 U	1.1 U	1.3 U
1,2-DIBROMOETHANE	0.46 U	0.42 U	0.44 U	0.4 U	0.42 U	0.49 U
1,2-DICHLOROBENZENE	0.33 U	0.3 U	0.32 U	0.29 U	0.3 U	0.35 U
1,2-DICHLOROETHANE	0.31 U	0.29 U	0.3 U	0.27 U	0.28 U	0.33 U
1,2-DICHLOROPROPANE	0.64 U	0.58 U	0.61 U	0.56 U	0.57 U	0.68 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.32 U	0.29 U	0.31 U	0.28 U	0.29 U	0.34 U
1,3-DICHLOROPROPANE	0.31 U	0.29 U	0.3 U	0.27 U	0.28 U	0.33 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.61 U	0.55 U	0.58 U	0.53 U	0.55 U	0.65 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.87 U	0.79 U	0.83 U	0.76 U	0.78 U	0.93 U
2-BUTANONE	4.6 J	1.2 U	6 J	6.6 J	12	4.7 J
2-CHLOROETHYL VINYL ETHER	1.3 U	1.2 U	1.2 U	1.1 U	1.2 U	1.4 U
2-CHLOROTOLUENE	0.37 U	0.34 U	0.35 U	0.32 U	0.33 U	0.39 U
2-HEXANONE	0.58 U	0.53 U	0.55 U	0.51 U	0.52 U	0.62 U
4-CHLOROTOLUENE	0.38 U	0.34 U	0.36 U	0.33 U	0.34 U	0.4 U
4-ISOPROPYLTOLUENE	0.19 U	0.18 U	0.18 U	0.17 U	0.17 U	0.21 U
4-METHYL-2-PENTANONE	0.5 U	0.45 U	0.48 U	0.43 U	0.45 U	0.53 U
ACETONE	120 B	23 B	130 B	78 B	100	170
BENZENE	0.21 U	0.19 U	0.2 U	0.19 U	0.19 U	0.23 U
BROMOBENZENE	0.3 U	0.28 U	0.29 U	0.27 U	0.27 U	0.33 U
BROMOCHLOROMETHANE	0.65 U	0.6 U	0.62 U	0.57 U	0.59 U	0.7 U
BROMODICHLOROMETHANE	0.26 U	0.24 U	0.25 U	0.23 U	0.23 U	0.28 U
BROMOFORM	0.3 U	0.28 U	0.29 U	0.27 U	0.27 U	0.33 U
BROMOMETHANE	0.5 U	0.45 U	0.48 U	0.43 U	0.45 U	0.53 U
CARBON DISULFIDE	0.97 B	0.81 B	1.5 B	0.53 J	0.45 J	0.43 U
CARBON TETRACHLORIDE	0.34 U	0.31 U	0.33 U	0.3 U	0.31 U	0.36 U
CHLOROBENZENE	0.3 U	0.28 U	0.29 U	0.27 U	0.27 U	0.33 U
CHLORODIBROMOMETHANE	0.51 U	0.46 U	0.48 U	0.44 U	0.46 U	0.54 U
CHLOROETHANE	0.79 U	0.72 U	0.76 U	0.69 U	0.72 U	0.85 U
CHLOROFORM	0.27 U	0.24 U	0.26 U	0.23 U	0.24 U	0.29 U
CHLOROMETHANE	0.38 U	0.34 U	0.36 U	0.33 U	0.34 U	0.4 U
CIS-1,2-DICHLOROETHENE	0.33 U	0.3 U	0.32 U	0.29 U	0.3 U	0.35 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.29 U	0.3 U	0.27 U	0.28 U	0.33 U
DIBROMOMETHANE	0.58 U	0.53 U	0.55 U	0.51 U	0.52 U	0.62 U
DICHLORODIFLUOROMETHANE	0.46 U	0.42 U	0.44 U	0.4 U	0.42 U	0.49 U
DIISOPROPYL ETHER	1.4 U	1.3 U	1.3 U	1.2 U	1.2 U	1.5 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.18 U	0.19 U	0.18 U	0.18 U	0.22 U
ETHYLBENZENE	0.24 U	0.22 U	0.23 U	0.21 U	0.22 U	0.26 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-788	SB-788	SB-788	SB-789	SB-789	SB-789
SAMPLE ID	D-SB-788-05	D-SB-788-07	D-SB-788-09	D-SB-789-03	D-SB-789-05	D-SB-789-07
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1.1 U	1 U	1.1 U	0.97 U	1 U	1.2 U
ISOPROPYLBENZENE	0.15 U	0.13 U	0.14 U	0.13 U	0.13 U	0.16 U
M+P-XYLENES	1.1 U	1 U	1.1 U	0.97 U	1 U	1.2 U
METHYL TERT-BUTYL ETHER	0.4 UJ	0.36 UJ	0.38 UJ	0.35 U	0.36 U	0.42 U
METHYLENE CHLORIDE	0.62 U	0.56 U	0.6 B	0.54 U	0.56 U	0.66 U
NAPHTHALENE	0.85 B	0.75 B	0.8 B	2.2 B	0.16 U	0.19 U
N-BUTYLBENZENE	0.21 U	0.19 U	0.2 U	0.19 U	0.19 U	0.23 U
N-PROPYLBENZENE	0.37 U	0.34 U	0.35 U	0.32 U	2.6 J	0.39 U
O-XYLENE	0.32 U	0.29 U	0.31 U	0.28 U	0.29 U	0.34 U
SEC-BUTYLBENZENE	0.17 U	0.15 U	0.16 U	0.14 U	0.15 U	0.18 U
STYRENE	0.14 U	0.13 U	0.13 U	0.12 U	0.12 U	0.15 U
TERT-AMYL METHYL ETHER	0.34 UJ	0.31 UJ	0.33 UJ	0.3 U	0.31 U	0.36 U
TERT-BUTYLBENZENE	0.27 U	0.24 U	0.26 U	0.23 U	0.24 U	0.29 U
TERTIARY-BUTYL ALCOHOL	49 B	44 B	6.7 UR	6.1 UR	6.3 UR	7.5 UR
TETRACHLOROETHENE	0.48 U	0.44 U	0.46 U	0.42 U	0.43 U	0.51 U
TOLUENE	0.25 U	0.23 U	0.24 U	0.22 U	0.32 J	0.27 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.62 U	0.56 U	0.59 U	0.54 U	0.56 U	0.66 U
TRANS-1,2-DICHLOROETHENE	0.38 U	0.34 U	0.36 U	0.33 U	0.34 U	0.4 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.45 U	0.48 U	0.43 U	0.45 U	0.53 U
TRICHLOROETHENE	0.39 U	0.35 U	0.37 U	0.34 U	0.35 U	0.41 U
TRICHLOROFLUOROMETHANE	0.31 U	0.29 U	0.3 U	0.27 U	0.28 U	0.33 U
VINYL ACETATE	0.23 U	0.21 U	0.22 U	0.2 U	0.21 U	0.25 U
VINYL CHLORIDE	0.36 U	0.33 U	0.34 U	0.31 U	0.32 U	0.38 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	33 U	33 U	33 U	30 U	33 U	34 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	27 U	27 U	27 U	24 U	27 U	27 U
2,2'-OXYBIS(1-CHLOROPROPANE)	12 U	12 U	12 U	10 U	11 U	12 U
2,4,5-TRICHLOROPHENOL	31 U	31 U	31 U	28 U	30 U	31 U
2,4,6-TRICHLOROPHENOL	98 U	99 U	98 U	88 U	97 U	100 U
2,4-DICHLOROPHENOL	25 U	25 U	24 U	22 U	24 U	25 U
2,4-DIMETHYLPHENOL	25 U	25 U	24 U	22 U	24 U	25 U
2,4-DINITROPHENOL	98 U	99 U	98 U	88 U	97 U	100 U
2,4-DINITROTOLUENE	33 U	33 U	33 U	30 U	33 U	34 U
2,6-DINITROTOLUENE	26 U	26 U	26 U	23 U	25 U	26 U
2-CHLORONAPHTHALENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
2-CHLOROPHENOL	33 U	33 U	33 U	30 U	33 U	34 U
2-METHYLPHENOL	98 U	99 U	98 U	88 U	97 U	100 U
2-NITROANILINE	11 U	11 U	11 U	10 U	11 U	11 U
2-NITROPHENOL	33 U	33 U	33 U	30 U	33 U	34 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	22 U	22 U	22 U	20 U	22 U	22 U
3-NITROANILINE	20 U	20 U	20 U	18 U	19 U	20 U
4,6-DINITRO-2-METHYLPHENOL	98 U	99 U	98 U	88 U	97 U	100 U
4-BROMOPHENYL PHENYL ETHER	16 U	16 U	16 U	14 U	16 U	16 U
4-CHLORO-3-METHYLPHENOL	26 U	26 U	26 U	23 U	25 U	26 U
4-CHLOROANILINE	21 U	21 U	21 U	19 U	21 U	21 U
4-CHLOROPHENYL PHENYL ETHER	16 U	16 U	16 U	14 U	16 U	16 U
4-METHYLPHENOL	98 U	99 U	98 U	88 U	97 U	100 U
4-NITROANILINE	32 U	32 U	32 U	29 U	31 U	32 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-788	SB-788	SB-788	SB-789	SB-789	SB-789
SAMPLE ID	D-SB-788-05	D-SB-788-07	D-SB-788-09	D-SB-789-03	D-SB-789-05	D-SB-789-07
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	98 U	99 U	98 U	88 U	97 U	100 U
ACETOPHENONE	11 U	11 U	11 U	10 U	11 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	11 U	11 U	10 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	15 U	15 U	15 U	13 U	14 U	15 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	27 U	27 U	27 U	24 U	27 U	27 U
BIS(2-CHLOROETHYL)ETHER	2.5 U	2.5 U	2.4 U	2.2 U	2.4 U	2.5 U
BIS(2-ETHYLHEXYL)PHTHALATE	23 U	23 U	23 U	21 U	23 U	24 J
BUTYL BENZYL PHTHALATE	12 U	12 U	12 U	11 U	12 U	12 U
CAPROLACTAM	45 U	46 U	45 U	41 U	45 U	46 U
CARBAZOLE	33 U	33 U	33 U	30 U	33 U	34 U
DIBENZOFURAN	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
DIETHYL PHTHALATE	20 U	20 U	20 U	18 U	19 U	20 U
DIMETHYL PHTHALATE	21 U	21 U	21 U	19 U	21 U	21 U
DI-N-BUTYL PHTHALATE	18 U	19 U	18 U	17 U	18 U	19 U
DI-N-OCTYL PHTHALATE	33 U	33 U	33 U	30 U	33 U	34 U
HEXACHLOROBENZENE	2.6 U	2.6 U	2.6 U	2.3 U	2.5 U	2.6 U
HEXACHLOROBUTADIENE	33 U	33 U	33 U	30 U	33 U	34 U
HEXACHLOROCYCLOPENTADIENE	33 U	33 U	33 U	30 U	33 U	34 U
HEXACHLOROETHANE	11 U	11 U	11 U	9.9 U	11 U	11 U
ISOPHORONE	16 U	16 U	16 U	14 U	16 U	16 U
NITROBENZENE	2.7 U	2.7 U	2.7 U	2.4 U	2.7 U	2.7 U
N-NITROSODIMETHYLAMINE	20 U	20 U	20 U	18 U	19 U	20 U
N-NITROSO-DI-N-PROPYLAMINE	33 U	33 U	33 U	30 U	33 U	34 U
N-NITROSODIPHENYLAMINE	26 U	26 U	26 U	23 U	25 U	26 U
PENTACHLOROPHENOL	98 U	99 U	98 U	88 U	97 U	100 U
PHENOL	33 U	33 U	33 U	30 U	33 U	34 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
ACENAPHTHENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
ACENAPHTHYLENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
ANTHRACENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
BAP EQUIVALENT-HALFND	4.1 U	4.1 U	4 U	17.3	4 U	4.1 U
BAP EQUIVALENT-POS	4.1 U	4.1 U	4 U	15.1	4 U	4.1 U
BENZO(A)ANTHRACENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
BENZO(A)PYRENE	4.1 U	4.1 U	4 U	14	4 U	4.1 U
BENZO(B)FLUORANTHENE	4.1 U	4.1 U	4 U	11	4 U	4.1 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
BENZO(K)FLUORANTHENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-788	SB-788	SB-788	SB-789	SB-789	SB-789
SAMPLE ID	D-SB-788-05	D-SB-788-07	D-SB-788-09	D-SB-789-03	D-SB-789-05	D-SB-789-07
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	1.4 U	1.3 U	1.2 U	1.3 U	1.4 U
DIBENZO(A,H)ANTHRACENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
FLUORANTHENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
FLUORENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
INDENO(1,2,3-CD)PYRENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
NAPHTHALENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
PHENANTHRENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
PYRENE	4.1 U	4.1 U	4 U	3.6 U	4 U	4.1 U
TOTAL PAHS	0 U	0 U	0 U	25	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.76 UJ	0.77 UJ	0.76 UJ	0.68 UJ	0.75 UJ	0.77 UJ
4,4'-DDE	0.48 U	0.48 U	0.48 U	0.43 U	0.47 U	0.49 U
4,4'-DDT	0.77 UJ	0.78 UJ	0.77 UJ	0.69 U	0.76 U	0.79 U
ALDRIN	1.5 U	1.5 U	1.5 U	1.3 U	1.4 U	1.5 U
ALPHA-BHC	0.9 U	0.9 U	0.89 U	0.8 U	0.88 U	0.91 U
ALPHA-CHLORDANE	1.2 U	1.2 U	1.1 U	1 U	1.1 U	1.2 U
AROCLOR-1016	26 U	26 U	26 U	23 U	25 U	26 U
AROCLOR-1221	20 U	20 U	20 U	18 U	19 U	20 U
AROCLOR-1232	17 U	17 U	17 U	15 U	17 U	17 U
AROCLOR-1242	16 U	16 U	16 U	14 U	16 U	16 U
AROCLOR-1248	21 U	21 U	21 U	19 U	21 U	21 U
AROCLOR-1254	21 U	21 U	21 U	19 U	21 U	21 U
AROCLOR-1260	21 U	21 U	21 U	19 U	21 U	21 U
BETA-BHC	1.4 U	1.4 U	1.3 U	1.2 U	1.3 U	1.4 U
DELTA-BHC	1.5 U	1.5 U	1.5 U	1.3 U	1.4 U	1.5 U
DIELDRIN	0.58 U	0.58 U	0.57 U	0.52 U	0.57 U	0.59 U
ENDOSULFAN I	0.64 U	0.64 U	0.64 U	0.57 U	0.63 U	0.65 U
ENDOSULFAN II	1 U	1 U	1 U	0.9 U	0.99 U	1 U
ENDOSULFAN SULFATE	1.1 U	1.1 U	1.1 U	0.96 U	1.1 U	1.1 U
ENDRIN	0.61 UJ	0.62 UJ	0.61 UJ	0.55 UJ	0.6 UJ	0.62 UJ
ENDRIN ALDEHYDE	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U
ENDRIN KETONE	0.77 U	0.78 U	0.77 U	0.69 U	0.76 U	0.79 U
GAMMA-BHC (LINDANE)	0.91 U	0.91 U	0.9 U	0.82 U	0.89 U	0.92 U
GAMMA-CHLORDANE	0.52 U	0.52 U	0.51 U	0.46 U	0.51 U	0.52 U
HEPTACHLOR	1.4 UJ	1.4 UJ	1.3 UJ	1.2 UJ	1.3 UJ	1.4 UJ
HEPTACHLOR EPOXIDE	0.98 U	0.99 U	0.98 U	0.88 U	0.97 U	1 U
METHOXYCHLOR	1.8 UJ	1.9 UJ	1.8 UJ	1.7 UJ	1.8 UJ	1.9 UJ
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	23 U	23 U	23 U	21 U	23 U	24 U
METALS (MG/KG)						
ANTIMONY	0.16 J	0.11 J	0.15 J	0.069 J	0.18 J	0.24 J
ARSENIC	5	2.8	4.8	3.1	5.5	8.8
BARIUM	9.1	21.2	13.9	21.5	13.2	18.8

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-788	SB-788	SB-788	SB-789	SB-789	SB-789
SAMPLE ID	D-SB-788-05	D-SB-788-07	D-SB-788-09	D-SB-789-03	D-SB-789-05	D-SB-789-07
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	1.7	2.2	2.4	0.28	1.2	3.1
CADMIUM	0.016 B	0.018 B	0.052 J	0.026 B	0.024 B	0.023 B
CHROMIUM	24.4	13.8	19.8	11.3	22.1	32.6
COBALT	4	4.1	4.2	3.4	6.8	5.4
COPPER	19.1 L	19.4 L	20.2 L	7.9 L	22.3 L	55.6 L
IRON	28800	8690	20800	7830	28200	38300
LEAD	4.9	6.2	5.6	6.8	7.8	5.8
MANGANESE	22.5	10.2	17.8	21.1	33.5	29.9
MERCURY	0.018 U	0.019 U	0.018 U	0.028	0.018 U	0.019 U
MOLYBDENUM	0.5	0.53	0.56	0.37	0.57	0.73
NICKEL	12.2	7.6	9.2	5.7	17	14.3
SELENIUM	0.5 J	1.5 J	1.1 J	0.61 J	0.6 J	1.1 J
SILVER	0.02 U	0.02 U	0.02 U	0.027 B	0.025 B	0.026 B
THALLIUM	0.04 B	0.12 B	0.073 B	0.089 B	0.075 B	0.047 B
VANADIUM	49.8	37.9	41.1	20.3	44	69.5
ZINC	26.7 J	24.2 J	32 J	19 J	50.3 J	35.5 J
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	7500 J	5900 J	17000	17000	15000	10000 J
GASOLINE RANGE ORGANICS	57 U	57 U	56 U	51 U	56 U	57 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.51 J	0.58 J	0.63 J	0.3 U	0.33 U	0.87 J
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

LOCATION	**SB-789**
SAMPLE ID	**D-SB-789-09**
SAMPLE DATE	**20100908**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SB**
TOP DEPTH	**9**
BOTTOM DEPTH	**9**
VOLATILES (UG/KG)	
1,1,1,2-TETRACHLOROETHANE	0.57 U
1,1,1-TRICHLOROETHANE	0.51 U
1,1,2,2-TETRACHLOROETHANE	0.31 U
1,1,2-TRICHLOROETHANE	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U
1,1-DICHLOROETHANE	0.33 U
1,1-DICHLOROETHENE	0.48 U
1,1-DICHLOROPROPENE	0.27 U
1,2,3-TRICHLOROBENZENE	0.35 U
1,2,3-TRICHLOROPROPANE	0.82 U
1,2,3-TRIMETHYLBENZENE	0.16 U
1,2,4-TRICHLOROBENZENE	0.25 U
1,2,4-TRIMETHYLBENZENE	0.59 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U
1,2-DIBROMOETHANE	0.46 U
1,2-DICHLOROBENZENE	0.33 U
1,2-DICHLOROETHANE	0.31 U
1,2-DICHLOROPROPANE	0.63 U
1,3,5-TRIMETHYLBENZENE	NA
1,3-DICHLOROBENZENE	0.32 U
1,3-DICHLOROPROPANE	0.31 U
1,3-DICHLOROPROPENE	NA
1,4-DICHLOROBENZENE	0.6 U
1,4-DIOXANE	NA
2,2-DICHLOROPROPANE	0.86 U
2-BUTANONE	1.3 U
2-CHLOROETHYL VINYL ETHER	1.3 U
2-CHLOROTOLUENE	0.37 U
2-HEXANONE	0.58 U
4-CHLOROTOLUENE	0.37 U
4-ISOPROPYLTOLUENE	0.19 U
4-METHYL-2-PENTANONE	0.49 U
ACETONE	250
BENZENE	0.21 U
BROMOBENZENE	0.3 U
BROMOCHLOROMETHANE	0.65 U
BROMODICHLOROMETHANE	0.26 U
BROMOFORM	0.3 U
BROMOMETHANE	0.49 U
CARBON DISULFIDE	0.4 U
CARBON TETRACHLORIDE	0.34 U
CHLOROBENZENE	0.3 U
CHLORODIBROMOMETHANE	0.5 U
CHLOROETHANE	0.79 U
CHLOROFORM	0.27 U
CHLOROMETHANE	0.37 U
CIS-1,2-DICHLOROETHENE	0.33 U
CIS-1,3-DICHLOROPROPENE	0.31 U
DIBROMOMETHANE	0.58 U
DICHLORODIFLUOROMETHANE	0.46 U
DIISOPROPYL ETHER	1.4 U
ETHYL TERT-BUTYL ETHER	0.2 U
ETHYLBENZENE	0.24 U
FLUORODICHLOROMETHANE	NA

LOCATION	SB-789
SAMPLE ID	D-SB-789-09
SAMPLE DATE	20100908
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SB
TOP DEPTH	9
BOTTOM DEPTH	9
VOLATILES (CONTINUED) (UG/KG)	
HEXACHLOROBUTADIENE	1.1 U
ISOPROPYLBENZENE	0.15 U
M+P-XYLENES	1.1 U
METHYL TERT-BUTYL ETHER	0.39 U
METHYLENE CHLORIDE	0.61 U
NAPHTHALENE	0.17 U
N-BUTYLBENZENE	0.21 U
N-PROPYLBENZENE	0.37 U
O-XYLENE	0.32 U
SEC-BUTYLBENZENE	0.16 U
STYRENE	0.14 U
TERT-AMYL METHYL ETHER	0.34 U
TERT-BUTYLBENZENE	0.27 U
TERTIARY-BUTYL ALCOHOL	6.9 UR
TETRACHLOROETHENE	0.48 U
TOLUENE	0.25 U
TOTAL 1,2-DICHLOROETHENE	NA
TOTAL XYLENES	0.61 U
TRANS-1,2-DICHLOROETHENE	0.37 U
TRANS-1,3-DICHLOROPROPENE	0.49 U
TRICHLOROETHENE	0.38 U
TRICHLOROFLUOROMETHANE	0.31 U
VINYL ACETATE	0.23 U
VINYL CHLORIDE	0.36 U
SEMIVOLATILES (UG/KG)	
1,1-BIPHENYL	32 U
1,2,4-TRICHLOROBENZENE	NA
1,2-DICHLOROBENZENE	NA
1,3-DICHLOROBENZENE	NA
1,4-DICHLOROBENZENE	NA
1,4-DIOXANE	26 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U
2,4,5-TRICHLOROPHENOL	30 U
2,4,6-TRICHLOROPHENOL	95 U
2,4-DICHLOROPHENOL	24 U
2,4-DIMETHYLPHENOL	24 U
2,4-DINITROPHENOL	95 U
2,4-DINITROTOLUENE	32 U
2,6-DINITROTOLUENE	25 U
2-CHLORONAPHTHALENE	3.9 U
2-CHLOROPHENOL	32 U
2-METHYLPHENOL	95 U
2-NITROANILINE	11 U
2-NITROPHENOL	32 U
3&4-METHYLPHENOL	NA
3,3'-DICHLOROBENZIDINE	21 U
3-NITROANILINE	19 U
4,6-DINITRO-2-METHYLPHENOL	95 U
4-BROMOPHENYL PHENYL ETHER	15 U
4-CHLORO-3-METHYLPHENOL	25 U
4-CHLOROANILINE	20 U
4-CHLOROPHENYL PHENYL ETHER	15 U
4-METHYLPHENOL	95 U
4-NITROANILINE	31 U

LOCATION	**SB-789**
SAMPLE ID	**D-SB-789-09**
SAMPLE DATE	**20100908**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SB**
TOP DEPTH	**9**
BOTTOM DEPTH	**9**
SEMIVOLATILES (CONTINUED) (UG/KG)	
4-NITROPHENOL	95 U
ACETOPHENONE	11 U
ANILINE	NA
ATRAZINE	11 U
AZOBENZENE	NA
BENZALDEHYDE	14 U
BENZIDINE	NA
BENZOIC ACID	NA
BENZYL ALCOHOL	NA
BIS(2-CHLOROETHOXY)METHANE	26 U
BIS(2-CHLOROETHYL)ETHER	2.4 U
BIS(2-ETHYLHEXYL)PHTHALATE	23 U
BUTYL BENZYL PHTHALATE	12 U
CAPROLACTAM	44 U
CARBAZOLE	32 U
DIBENZOFURAN	3.9 U
DIETHYL PHTHALATE	19 U
DIMETHYL PHTHALATE	20 U
DI-N-BUTYL PHTHALATE	18 U
DI-N-OCTYL PHTHALATE	32 U
HEXACHLOROBENZENE	2.5 U
HEXACHLOROBUTADIENE	32 U
HEXACHLOROCYCLOPENTADIENE	32 U
HEXACHLOROETHANE	11 U
ISOPHORONE	15 U
NITROBENZENE	2.6 U
N-NITROSODIMETHYLAMINE	19 U
N-NITROSO-DI-N-PROPYLAMINE	32 U
N-NITROSODIPHENYLAMINE	25 U
PENTACHLOROPHENOL	95 U
PHENOL	32 U
PYRIDINE	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)	
1-METHYLNAPHTHALENE	NA
2-METHYLNAPHTHALENE	3.9 U
ACENAPHTHENE	3.9 U
ACENAPHTHYLENE	3.9 U
ANTHRACENE	3.9 U
BAP EQUIVALENT-HALFND	3.9 U
BAP EQUIVALENT-POS	3.9 U
BENZO(A)ANTHRACENE	3.9 U
BENZO(A)PYRENE	3.9 U
BENZO(B)FLUORANTHENE	3.9 U
BENZO(B+K)FLUORANTHENE	NA
BENZO(G,H,I)PERYLENE	3.9 U
BENZO(K)FLUORANTHENE	3.9 U
C1-CHRYSENES	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA
C1-FLUORANTHENES/PYRENES	NA
C1-FLUORENES	NA
C1-PHENANTHRENES/ANTHRACENES	NA
C2-CHRYSENES	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA
C2-FLUORENES	NA

LOCATION	**SB-789**
SAMPLE ID	**D-SB-789-09**
SAMPLE DATE	**20100908**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SB**
TOP DEPTH	**9**
BOTTOM DEPTH	**9**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI	
C2-NAPHTHALENES	NA
C2-PHENANTHRENES/ANTHRACENES	NA
C3-CHRYSENES	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA
C3-FLUORENES	NA
C3-NAPHTHALENES	NA
C3-PHENANTHRENES/ANTHRACENES	NA
C4-CHRYSENES	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA
C4-NAPHTHALENES	NA
C4-PHENANTHRENES/ANTHRACENES	NA
CHRYSENE	1.3 U
DIBENZO(A,H)ANTHRACENE	3.9 U
FLUORANTHENE	3.9 U
FLUORENE	3.9 U
INDENO(1,2,3-CD)PYRENE	3.9 U
NAPHTHALENE	3.9 U
PHENANTHRENE	3.9 U
PYRENE	3.9 U
TOTAL PAHS	0 U
PESTICIDES/PCBS (UG/KG)	
4,4'-DDD	0.74 UJ
4,4'-DDE	0.46 U
4,4'-DDT	0.75 U
ALDRIN	1.4 U
ALPHA-BHC	0.87 U
ALPHA-CHLORDANE	1.1 U
AROCLOR-1016	25 U
AROCLOR-1221	19 U
AROCLOR-1232	17 U
AROCLOR-1242	15 U
AROCLOR-1248	20 U
AROCLOR-1254	20 U
AROCLOR-1260	20 U
BETA-BHC	1.3 U
DELTA-BHC	1.4 U
DIELDRIN	0.56 U
ENDOSULFAN I	0.62 U
ENDOSULFAN II	0.97 U
ENDOSULFAN SULFATE	1 U
ENDRIN	0.59 UJ
ENDRIN ALDEHYDE	1.2 U
ENDRIN KETONE	0.75 U
GAMMA-BHC (LINDANE)	0.88 U
GAMMA-CHLORDANE	0.5 U
HEPTACHLOR	1.3 UJ
HEPTACHLOR EPOXIDE	0.95 U
METHOXYCHLOR	1.8 UJ
TOTAL AROCLOR	0 U
TOXAPHENE	23 U
METALS (MG/KG)	
ANTIMONY	0.21 J
ARSENIC	4
BARIUM	11.2

LOCATION	**SB-789**
SAMPLE ID	**D-SB-789-09**
SAMPLE DATE	**20100908**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SB**
TOP DEPTH	**9**
BOTTOM DEPTH	**9**
METALS (CONTINUED) (MG/KG)	
BERYLLIUM	1.9
CADMIUM	0.013 B
CHROMIUM	18.5
COBALT	6.2
COPPER	18.8 L
IRON	23200
LEAD	5.3
MANGANESE	58.6
MERCURY	0.018 U
MOLYBDENUM	0.33
NICKEL	17.7
SELENIUM	1.6 J
SILVER	0.019 U
THALLIUM	0.064 B
VANADIUM	42.6
ZINC	26.8 J
PETROLEUM HYDROCARBONS (UG/KG)	
DIESEL RANGE ORGANICS	4700 J
GASOLINE RANGE ORGANICS	55 U
MISCELLANEOUS PARAMETERS (%)	
PERCENT SOLIDS	NA
MISCELLANEOUS PARAMETERS (MG/KG)	
HEXAVALENT CHROMIUM	0.32 U
MISCELLANEOUS PARAMETERS (UG/KG)	
MERCURY (METHYL)	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1
SAMPLE ID	D-TP-1-1-4-6	D-TP-1-2-8-10	D-TP-1-3-8-10	D-TP-1-4-4-6	D-TP-1-5-4-6	D-TP-1-6-8-10
SAMPLE DATE	20100920	20100920	20100920	20100920	20100920	20100920
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	8	4	4	8
BOTTOM DEPTH	6	10	10	6	6	10
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1
SAMPLE ID	D-TP-1-1-4-6	D-TP-1-2-8-10	D-TP-1-3-8-10	D-TP-1-4-4-6	D-TP-1-5-4-6	D-TP-1-6-8-10
SAMPLE DATE	20100920	20100920	20100920	20100920	20100920	20100920
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	8	4	4	8
BOTTOM DEPTH	6	10	10	6	6	10
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1
SAMPLE ID	D-TP-1-1-4-6	D-TP-1-2-8-10	D-TP-1-3-8-10	D-TP-1-4-4-6	D-TP-1-5-4-6	D-TP-1-6-8-10
SAMPLE DATE	20100920	20100920	20100920	20100920	20100920	20100920
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	8	4	4	8
BOTTOM DEPTH	6	10	10	6	6	10
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	3.8 U	3.9 U	280	3.9 U	3.7 U	4 U
2-METHYLNAPHTHALENE	3.8 U	3.9 U	420	8	3.7 U	4 U
ACENAPHTHENE	3.8 U	3.9 U	69	3.9 U	3.7 U	4 U
ACENAPHTHYLENE	3.8 U	3.9 U	50	9.1	3.7 U	95
ANTHRACENE	3.8 U	3.9 U	52	11	3.7 U	38
BAP EQUIVALENT-HALFND	3.8 U	3.9 U	66.834	71.551	3.7 U	177.529
BAP EQUIVALENT-POS	3.8 U	3.9 U	64.834	69.601	3.7 U	177.329
BENZO(A)ANTHRACENE	3.8 U	3.9 U	29	40	3.7 U	4 U
BENZO(A)PYRENE	3.8 U	3.9 U	54 J	54 J	3.7 U	120 J
BENZO(B)FLUORANTHENE	3.8 U	3.9 U	39	70	3.7 U	110
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.8 U	13	41	29	3.7 U	110
BENZO(K)FLUORANTHENE	3.8 U	3.9 U	19	35	3.7 U	35
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	77 U	NA	NA	NA	75 U	NA
C1-FLUORANTHENES/PYRENES	77 U	NA	NA	NA	75 U	NA
C1-FLUORENES	77 U	NA	NA	NA	75 U	NA
C1-PHENANTHRENES/ANTHRACENES	77 U	NA	NA	NA	75 U	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	77 U	NA	NA	NA	75 U	NA
C2-FLUORENES	77 U	NA	NA	NA	75 U	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1
SAMPLE ID	D-TP-1-1-4-6	D-TP-1-2-8-10	D-TP-1-3-8-10	D-TP-1-4-4-6	D-TP-1-5-4-6	D-TP-1-6-8-10
SAMPLE DATE	20100920	20100920	20100920	20100920	20100920	20100920
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	8	4	4	8
BOTTOM DEPTH	6	10	10	6	6	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)						
C2-NAPHTHALENES	77 U	NA	NA	NA	75 U	NA
C2-PHENANTHRENES/ANTHRACENES	77 U	NA	NA	NA	75 U	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	77 U	NA	NA	NA	75 U	NA
C3-FLUORENES	77 U	NA	NA	NA	75 U	NA
C3-NAPHTHALENES	77 U	NA	NA	NA	75 U	NA
C3-PHENANTHRENES/ANTHRACENES	77 U	NA	NA	NA	75 U	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	77 U	NA	NA	NA	75 U	NA
C4-NAPHTHALENES	77 U	NA	NA	NA	75 U	NA
C4-PHENANTHRENES/ANTHRACENES	77 U	NA	NA	NA	75 U	NA
CHRYSENE	1.3 U	1.3 U	44	51	1.2 U	79
DIBENZO(A,H)ANTHRACENE	3.8 U	3.9 U	4 U	3.9 U	3.7 U	38 J
FLUORANTHENE	3.8 U	3.9 U	60	110	3.7 U	82
FLUORENE	3.8 U	3.9 U	100	3.9 U	3.7 U	4 U
INDENO(1,2,3-CD)PYRENE	3.8 U	3.9 U	38 J	42 J	3.7 U	79 J
NAPHTHALENE	3.8 U	3.9 U	320	9.5	3.7 U	8.9
PHENANTHRENE	3.8 U	3.9 U	200	62	3.7 U	16
PYRENE	3.8 U	13	95	86	3.7 U	140
TOTAL PAHS	0 U	26	1630	616.6	0 U	950.9
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1
SAMPLE ID	D-TP-1-1-4-6	D-TP-1-2-8-10	D-TP-1-3-8-10	D-TP-1-4-4-6	D-TP-1-5-4-6	D-TP-1-6-8-10
SAMPLE DATE	20100920	20100920	20100920	20100920	20100920	20100920
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	8	4	4	8
BOTTOM DEPTH	6	10	10	6	6	10
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2
SAMPLE ID	D-TP-2-1-8-10	D-TP-2-2-6-7	D-TP-2-3-6-7	D-TP-2-4-8-10	D-TP-2-5-6-7	D-TP-2-6-6-7
SAMPLE DATE	20100920	20100920	20100920	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	6	6	8	6	6
BOTTOM DEPTH	10	7	7	10	7	7
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2
SAMPLE ID	D-TP-2-1-8-10	D-TP-2-2-6-7	D-TP-2-3-6-7	D-TP-2-4-8-10	D-TP-2-5-6-7	D-TP-2-6-6-7
SAMPLE DATE	20100920	20100920	20100920	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	6	6	8	6	6
BOTTOM DEPTH	10	7	7	10	7	7
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2
SAMPLE ID	D-TP-2-1-8-10	D-TP-2-2-6-7	D-TP-2-3-6-7	D-TP-2-4-8-10	D-TP-2-5-6-7	D-TP-2-6-6-7
SAMPLE DATE	20100920	20100920	20100920	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	6	6	8	6	6
BOTTOM DEPTH	10	7	7	10	7	7
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	300	NA	610	3.8 U	4.1 U	NA
2-METHYLNAPHTHALENE	320	NA	600	3.8 U	4.1 U	NA
ACENAPHTHENE	88	NA	170	3.8 U	4.1 U	NA
ACENAPHTHYLENE	340	NA	420	3.8 U	4.1 U	NA
ANTHRACENE	370	NA	490	3.8 U	4.1 U	NA
BAP EQUIVALENT-HALFND	506.88	NA	683.76	3.8 U	4.1 U	NA
BAP EQUIVALENT-POS	502.78	NA	679.76	3.8 U	4.1 U	NA
BENZO(A)ANTHRACENE	440	NA	650	3.8 U	4.1 U	NA
BENZO(A)PYRENE	400 J	NA	540 J	3.8 U	4.1 U	NA
BENZO(B)FLUORANTHENE	380	NA	480	3.8 U	4.1 U	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230	NA	300	3.8 U	4.1 U	NA
BENZO(K)FLUORANTHENE	130	NA	210	3.8 U	4.1 U	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	3300 J	NA	NA	NA	84 U
C1-FLUORANTHENES/PYRENES	NA	5900 J	NA	NA	NA	84 U
C1-FLUORENES	NA	1100 J	NA	NA	NA	84 U
C1-PHENANTHRENES/ANTHRACENES	NA	6900 J	NA	NA	NA	84 U
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	1500 J	NA	NA	NA	84 U
C2-FLUORENES	NA	870 J	NA	NA	NA	84 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2
SAMPLE ID	D-TP-2-1-8-10	D-TP-2-2-6-7	D-TP-2-3-6-7	D-TP-2-4-8-10	D-TP-2-5-6-7	D-TP-2-6-6-7
SAMPLE DATE	20100920	20100920	20100920	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	6	6	8	6	6
BOTTOM DEPTH	10	7	7	10	7	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	4100 J	NA	NA	NA	84 U
C2-PHENANTHRENES/ANTHRACENES	NA	3900 J	NA	NA	NA	84 U
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	520 J	NA	NA	NA	84 U
C3-FLUORENES	NA	600 J	NA	NA	NA	84 U
C3-NAPHTHALENES	NA	2800 J	NA	NA	NA	84 U
C3-PHENANTHRENES/ANTHRACENES	NA	1700 J	NA	NA	NA	84 U
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	81 U	NA	NA	NA	84 U
C4-NAPHTHALENES	NA	1300 J	NA	NA	NA	84 U
C4-PHENANTHRENES/ANTHRACENES	NA	520 J	NA	NA	NA	84 U
CHRYSENE	480	NA	660	1.3 U	1.4 U	NA
DIBENZO(A,H)ANTHRACENE	8.2 U	NA	8 U	3.8 U	4.1 U	NA
FLUORANTHENE	990	NA	1500	3.8 U	4.1 U	NA
FLUORENE	380	NA	590	3.8 U	4.1 U	NA
INDENO(1,2,3-CD)PYRENE	190 J	NA	240 J	3.8 U	4.1 U	NA
NAPHTHALENE	280	NA	570	3.8 U	4.1 U	NA
PHENANTHRENE	1700	NA	2700	3.8 U	4.1 U	NA
PYRENE	1300	NA	2100	3.8 U	4.1 U	NA
TOTAL PAHS	8018	NA	12220	0 U	0 U	NA
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2	D-TP-2
SAMPLE ID	D-TP-2-1-8-10	D-TP-2-2-6-7	D-TP-2-3-6-7	D-TP-2-4-8-10	D-TP-2-5-6-7	D-TP-2-6-6-7
SAMPLE DATE	20100920	20100920	20100920	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	6	6	8	6	6
BOTTOM DEPTH	10	7	7	10	7	7
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-790	SB-790	SB-790	SB-791	SB-791
SAMPLE ID	D-SB-790-03	D-SB-790-05	D-SB-790-07	D-SB-790-09	D-SB-791-03	D-SB-791-05
SAMPLE DATE	20100908	20100908	20100908	20100908	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.53 U	0.5 U	0.52 U	0.55 U	0.56 U	0.67 U
1,1,1-TRICHLOROETHANE	0.47 U	0.45 U	0.47 U	0.5 U	0.5 U	0.61 U
1,1,2,2-TETRACHLOROETHANE	0.29 U	0.27 U	0.29 U	0.3 U	0.3 U	0.37 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.1 U	1 U	1.1 U	1.2 U	1.2 U	1.4 U
1,1-DICHLOROETHANE	0.31 U	0.29 U	0.3 U	0.32 U	0.32 U	0.39 U
1,1-DICHLOROETHENE	0.44 U	0.42 U	0.44 U	0.46 U	0.47 U	0.56 U
1,1-DICHLOROPROPENE	0.25 U	0.24 U	0.25 U	0.27 U	0.27 U	0.32 U
1,2,3-TRICHLOROBENZENE	0.32 U	0.31 U	0.32 U	0.34 U	0.34 U	0.41 U
1,2,3-TRICHLOROPROPANE	0.76 U	0.73 U	0.76 U	0.8 U	0.81 U	0.97 U
1,2,3-TRIMETHYLBENZENE	0.14 U	0.14 U	0.19 J	0.15 U	0.15 U	0.18 U
1,2,4-TRICHLOROBENZENE	0.23 U	0.22 U	0.23 U	0.24 U	0.24 U	0.29 U
1,2,4-TRIMETHYLBENZENE	0.55 U	0.52 U	0.55 U	0.58 U	0.58 U	0.7 U
1,2-DIBROMO-3-CHLOROPROPANE	1.1 U	1 U	1.1 U	1.2 U	1.2 U	1.4 U
1,2-DIBROMOETHANE	0.42 U	0.4 U	0.42 U	0.45 U	0.45 U	0.54 U
1,2-DICHLOROBENZENE	0.31 U	0.29 U	0.3 U	0.32 U	0.32 U	0.39 U
1,2-DICHLOROETHANE	0.29 U	0.27 U	0.29 U	0.3 U	0.3 U	0.37 U
1,2-DICHLOROPROPANE	0.59 U	0.56 U	0.58 U	0.62 U	0.62 U	0.75 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.3 U	0.28 U	0.29 U	0.31 U	0.31 U	0.38 U
1,3-DICHLOROPROPANE	0.29 U	0.27 U	0.29 U	0.3 U	0.3 U	0.37 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.56 U	0.53 U	0.55 U	0.59 U	0.59 U	0.71 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.8 U	0.76 U	0.79 U	0.84 U	0.84 U	1 U
2-BUTANONE	2 J	1.9 J	3.6 J	1.3 U	4.9 J	14
2-CHLOROETHYL VINYL ETHER	1.2 U	1.1 U	1.2 U	1.3 U	1.3 U	1.5 U
2-CHLOROTOLUENE	0.34 U	0.32 U	0.34 U	0.36 U	0.36 U	0.43 U
2-HEXANONE	0.53 U	0.51 U	0.53 U	0.56 U	0.56 U	0.68 U
4-CHLOROTOLUENE	0.35 U	0.33 U	0.34 U	0.37 U	0.37 U	0.44 U
4-ISOPROPYLTOLUENE	0.18 U	0.17 U	0.18 U	0.19 U	0.19 U	0.23 U
4-METHYL-2-PENTANONE	0.46 U	0.44 U	0.45 U	0.48 U	0.59 B	0.58 U
ACETONE	29 B	44 B	28 B	11 B	49 B	400 J
BENZENE	0.2 U	0.19 U	0.19 U	0.21 U	0.21 U	0.25 U
BROMOBENZENE	0.28 U	0.27 U	0.28 U	0.3 U	0.3 U	0.36 U
BROMOCHLOROMETHANE	0.6 U	0.57 U	0.6 U	0.63 U	0.64 U	0.77 U
BROMODICHLOROMETHANE	0.24 U	0.23 U	0.24 U	0.25 U	0.25 U	0.3 U
BROMOFORM	0.28 U	0.27 U	0.28 U	0.3 U	0.3 U	0.36 U
BROMOMETHANE	0.46 U	0.44 U	0.45 U	0.48 U	0.48 U	0.58 U
CARBON DISULFIDE	0.37 U	0.35 U	0.67 J	0.39 U	0.99 B	1.6 B
CARBON TETRACHLORIDE	0.31 U	0.3 U	0.31 U	0.33 U	0.33 U	0.4 U
CHLOROBENZENE	0.28 U	0.27 U	0.28 U	0.3 U	0.3 U	0.36 U
CHLORODIBROMOMETHANE	0.47 U	0.44 U	0.46 U	0.49 U	0.49 U	0.59 U
CHLOROETHANE	0.73 U	0.69 U	0.72 U	0.77 U	0.77 U	0.93 U
CHLOROFORM	0.25 U	0.23 U	0.24 U	0.26 U	0.26 U	0.31 U
CHLOROMETHANE	0.35 U	0.33 U	0.34 U	0.37 U	0.37 U	0.44 U
CIS-1,2-DICHLOROETHENE	0.31 U	0.29 U	0.3 U	0.32 U	0.32 U	0.39 U
CIS-1,3-DICHLOROPROPENE	0.29 U	0.27 U	0.29 U	0.3 U	0.3 U	0.37 U
DIBROMOMETHANE	0.53 U	0.51 U	0.53 U	0.56 U	0.56 U	0.68 U
DICHLORODIFLUOROMETHANE	0.42 U	0.4 U	0.42 U	0.45 U	0.45 U	0.54 U
DIISOPROPYL ETHER	1.3 U	1.2 U	1.3 U	1.3 U	1.3 U	1.6 U
ETHYL TERT-BUTYL ETHER	0.19 U	0.18 U	0.18 U	0.2 U	0.2 U	0.24 U
ETHYLBENZENE	0.22 U	0.21 U	0.22 U	0.23 U	0.23 U	0.28 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-790	SB-790	SB-790	SB-791	SB-791
SAMPLE ID	D-SB-790-03	D-SB-790-05	D-SB-790-07	D-SB-790-09	D-SB-791-03	D-SB-791-05
SAMPLE DATE	20100908	20100908	20100908	20100908	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1 U	0.97 U	1 U	1.1 U	1.1 U	1.3 U
ISOPROPYLBENZENE	0.14 U	0.13 U	0.13 U	0.14 U	0.14 U	0.17 U
M+P-XYLENES	1 U	0.97 U	1 U	1.1 U	1.1 U	1.3 U
METHYL TERT-BUTYL ETHER	0.36 U	0.35 U	0.36 U	0.38 U	0.39 UJ	0.46 UJ
METHYLENE CHLORIDE	0.57 U	0.54 U	0.56 U	0.6 U	0.84 B	1.1 B
NAPHTHALENE	2.1 B	2.2 B	2.9 B	0.17 U	1.6 B	1.1 B
N-BUTYLBENZENE	0.2 U	0.19 U	0.19 U	0.21 U	0.21 U	0.25 U
N-PROPYLBENZENE	0.34 U	0.32 U	0.34 U	0.36 U	0.36 U	0.43 U
O-XYLENE	0.3 U	0.28 U	0.29 U	0.31 U	0.31 U	0.38 U
SEC-BUTYLBENZENE	0.15 U	0.15 U	0.15 U	0.16 U	0.16 U	0.19 U
STYRENE	0.13 U	0.12 U	0.13 U	0.13 U	0.13 U	0.16 U
TERT-AMYL METHYL ETHER	0.31 U	0.3 U	0.31 U	0.33 U	0.33 U	0.4 U
TERT-BUTYLBENZENE	0.25 U	0.23 U	0.24 U	0.26 U	0.26 U	0.31 U
TERTIARY-BUTYL ALCOHOL	6.4 UR	6.1 UR	6.4 UR	6.8 UR	48 B	8.2 UR
TETRACHLOROETHENE	0.44 U	0.42 U	0.44 U	0.46 U	0.47 U	0.56 U
TOLUENE	0.23 U	0.22 U	0.23 U	0.24 U	0.24 U	0.29 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.57 U	0.54 U	0.56 U	0.6 U	0.6 U	0.72 U
TRANS-1,2-DICHLOROETHENE	0.35 U	0.33 U	0.34 U	0.37 U	0.37 U	0.44 U
TRANS-1,3-DICHLOROPROPENE	0.46 U	0.44 U	0.45 U	0.48 U	0.48 U	0.58 U
TRICHLOROETHENE	0.36 U	0.34 U	0.35 U	0.38 U	0.38 U	0.45 U
TRICHLOROFLUOROMETHANE	0.29 U	0.27 U	0.29 U	0.3 U	0.3 U	0.37 U
VINYL ACETATE	0.21 U	0.2 U	0.21 U	0.22 U	0.22 U	0.27 U
VINYL CHLORIDE	0.33 U	0.31 U	0.33 U	0.35 U	0.35 U	0.42 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	31 U	130 U	33 U	34 U	33 U	34 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	26 U	100 U	27 U	28 U	27 U	28 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	45 U	12 U	12 U	12 U	12 U
2,4,5-TRICHLOROPHENOL	29 U	120 U	30 U	32 U	30 U	32 U
2,4,6-TRICHLOROPHENOL	93 U	380 U	97 U	100 U	97 U	100 U
2,4-DICHLOROPHENOL	23 U	95 U	24 U	26 U	24 U	25 U
2,4-DIMETHYLPHENOL	23 U	95 U	24 U	26 U	24 U	25 U
2,4-DINITROPHENOL	93 U	380 U	97 U	100 U	97 U	100 U
2,4-DINITROTOLUENE	31 U	130 U	33 U	34 U	33 U	34 U
2,6-DINITROTOLUENE	24 U	100 U	26 U	27 U	25 U	27 U
2-CHLORONAPHTHALENE	3.8 U	16 U	4 U	4.2 U	4 U	4.2 U
2-CHLOROPHENOL	31 U	130 U	33 U	34 U	33 U	34 U
2-METHYLPHENOL	93 U	380 U	97 U	100 U	97 U	100 U
2-NITROANILINE	11 U	43 U	11 U	12 U	11 U	12 U
2-NITROPHENOL	31 U	130 U	33 U	34 U	33 U	34 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	21 U	85 U	22 U	23 U	22 U	23 U
3-NITROANILINE	19 U	76 U	19 U	20 U	19 U	20 U
4,6-DINITRO-2-METHYLPHENOL	93 U	380 U	97 U	100 U	97 U	100 U
4-BROMOPHENYL PHENYL ETHER	15 U	62 U	16 U	17 U	16 U	17 U
4-CHLORO-3-METHYLPHENOL	24 U	100 U	26 U	27 U	25 U	27 U
4-CHLOROANILINE	20 U	81 U	21 U	22 U	21 U	22 U
4-CHLOROPHENYL PHENYL ETHER	15 U	62 U	16 U	17 U	16 U	17 U
4-METHYLPHENOL	93 U	380 U	97 U	100 U	97 U	100 U
4-NITROANILINE	30 U	120 U	32 U	33 U	31 U	33 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-790	SB-790	SB-790	SB-791	SB-791
SAMPLE ID	D-SB-790-03	D-SB-790-05	D-SB-790-07	D-SB-790-09	D-SB-791-03	D-SB-791-05
SAMPLE DATE	20100908	20100908	20100908	20100908	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	93 U	380 U	97 U	100 U	97 U	100 U
ACETOPHENONE	11 U	44 U	11 U	12 U	11 U	12 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	43 U	11 U	12 U	11 U	12 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	14 U	57 U	15 U	15 U	15 U	15 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	26 U	100 U	27 U	28 U	27 U	28 U
BIS(2-CHLOROETHYL)ETHER	2.3 U	9.5 U	2.4 U	2.6 U	2.4 U	2.5 U
BIS(2-ETHYLHEXYL)PHTHALATE	22 U	90 U	23 U	24 U	23 U	52 J
BUTYL BENZYL PHTHALATE	12 U	47 U	12 U	13 U	12 U	13 U
CAPROLACTAM	43 U	180 U	45 U	47 U	45 U	47 U
CARBAZOLE	31 U	130 U	33 U	34 U	33 U	34 U
DIBENZOFURAN	14 J	58 J	29 J	4.2 U	4 U	4.2 U
DIETHYL PHTHALATE	19 U	76 U	19 U	20 U	19 U	20 U
DIMETHYL PHTHALATE	20 U	81 U	21 U	22 U	21 U	22 U
DI-N-BUTYL PHTHALATE	17 U	71 U	18 U	19 U	18 U	19 U
DI-N-OCTYL PHTHALATE	31 U	130 U	33 U	34 U	33 U	34 U
HEXACHLOROBENZENE	2.4 U	10 U	2.6 U	2.7 U	2.5 U	2.7 U
HEXACHLOROBUTADIENE	31 U	130 U	33 U	34 U	33 U	34 U
HEXACHLOROCYCLOPENTADIENE	31 U	130 U	33 U	34 U	33 U	34 U
HEXACHLOROETHANE	10 U	43 U	11 U	11 U	11 U	11 U
ISOPHORONE	15 U	62 U	16 U	17 U	16 U	17 U
NITROBENZENE	2.6 U	10 U	2.7 U	2.8 U	2.7 U	2.8 U
N-NITROSODIMETHYLAMINE	19 U	76 U	19 U	20 U	19 U	20 U
N-NITROSO-DI-N-PROPYLAMINE	31 U	130 U	33 U	34 U	33 U	34 U
N-NITROSODIPHENYLAMINE	24 U	100 U	26 U	27 U	25 U	27 U
PENTACHLOROPHENOL	93 U	380 U	97 U	100 U	97 U	100 U
PHENOL	31 U	130 U	33 U	34 U	33 U	34 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	8	16 U	64	4.2 U	8.6	4.2 U
ACENAPHTHENE	34	140	20	4.2 U	17	4.2 U
ACENAPHTHYLENE	3.8 U	16 U	4 U	4.2 U	4 U	4.2 U
ANTHRACENE	72	620	28	4.2 U	16	4.2 U
BAP EQUIVALENT-HALFND	224.06	1353.2	72.682	4.2 U	60.191	4.2 U
BAP EQUIVALENT-POS	224.06	1345.2	70.682	4.2 U	58.191	4.2 U
BENZO(A)ANTHRACENE	160	1500	48	4.2 U	46	4.2 U
BENZO(A)PYRENE	140	1000	53	4.2 U	44	4.2 U
BENZO(B)FLUORANTHENE	180	1400	82	4.2 U	65	4.2 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	77	490	34	4.2 U	33	4.2 U
BENZO(K)FLUORANTHENE	72	570	40	4.2 U	24	4.2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-790	SB-790	SB-790	SB-791	SB-791
SAMPLE ID	D-SB-790-03	D-SB-790-05	D-SB-790-07	D-SB-790-09	D-SB-791-03	D-SB-791-05
SAMPLE DATE	20100908	20100908	20100908	20100908	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	140	1500	82	1.4 U	51	1.4 U
DIBENZO(A,H)ANTHRACENE	41	16 U	4 U	4.2 U	4 U	4.2 U
FLUORANTHENE	320	3700	110	4.2 U	95	4.2 U
FLUORENE	30	180	29	4.2 U	15	4.2 U
INDENO(1,2,3-CD)PYRENE	82	480	42	4.2 U	28	4.2 U
NAPHTHALENE	13	34	45	4.2 U	13	4.2 U
PHENANTHRENE	250	2100	120	4.2 U	76	4.2 U
PYRENE	240	2900	87	4.2 U	75	4.2 U
TOTAL PAHS	1859	16614	884	0 U	606.6	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.72 U	15 U	0.75 U	0.79 U	1.5 U	0.79 U
4,4'-DDE	0.45 U	34 J	0.47 U	0.5 U	0.94 U	0.5 U
4,4'-DDT	0.73 U	15 U	0.77 U	0.8 U	1.5 U	0.8 U
ALDRIN	1.4 U	28 U	1.5 U	1.5 U	2.9 U	1.5 U
ALPHA-BHC	0.85 U	17 U	0.89 U	0.93 U	1.8 U	0.93 U
ALPHA-CHLORDANE	1.1 U	22 U	1.1 U	1.2 U	2.3 U	1.2 U
AROCLOR-1016	24 U	50 U	26 U	27 U	25 U	27 U
AROCLOR-1221	19 U	38 U	19 U	20 U	19 U	20 U
AROCLOR-1232	16 U	33 U	17 U	18 U	17 U	18 U
AROCLOR-1242	15 U	31 U	16 U	17 U	16 U	17 U
AROCLOR-1248	20 U	40 U	21 U	22 U	21 U	22 U
AROCLOR-1254	20 U	40 U	21 U	22 U	21 U	22 U
AROCLOR-1260	20 U	240	21 U	22 U	21 U	22 U
BETA-BHC	1.3 U	26 U	1.3 U	1.4 U	2.7 U	1.4 U
DELTA-BHC	1.4 U	28 U	1.5 U	1.5 U	2.9 U	1.5 U
DIELDRIN	0.55 U	11 U	0.57 U	0.6 U	1.1 U	0.6 U
ENDOSULFAN I	0.6 U	12 U	0.63 U	0.66 U	1.3 U	0.66 U
ENDOSULFAN II	0.95 U	19 U	1 U	1 U	2 U	1 U
ENDOSULFAN SULFATE	1 U	21 U	1.1 U	1.1 U	2.1 U	1.1 U
ENDRIN	0.58 U	12 U	0.61 U	0.64 U	1.2 U	0.64 U
ENDRIN ALDEHYDE	1.2 U	24 U	1.2 U	1.3 U	2.4 U	1.3 U
ENDRIN KETONE	0.73 U	15 U	0.77 U	0.8 U	1.5 U	0.8 U
GAMMA-BHC (LINDANE)	0.86 UJ	18 UJ	0.9 UJ	0.95 UJ	1.8 U	0.94 U
GAMMA-CHLORDANE	0.49 U	10 U	0.51 U	0.54 U	1 U	0.53 U
HEPTACHLOR	1.3 U	26 U	1.3 U	1.4 U	2.7 UJ	1.4 UJ
HEPTACHLOR EPOXIDE	0.93 U	19 U	0.97 U	1 U	1.9 U	1 U
METHOXYCHLOR	1.7 U	36 U	1.8 U	1.9 U	3.6 UJ	1.9 UJ
TOTAL AROCLOR	0 U	240	0 U	0 U	0 U	0 U
TOXAPHENE	22 U	450 U	23 U	24 U	46 U	24 U
METALS (MG/KG)						
ANTIMONY	0.2 B	0.2 B	0.22 J	0.23 J	0.26 B	0.14 B
ARSENIC	4.5	4.9	6.3	4.1	5.4 L	3.7 L
BARIUM	33.8	31	27.8	19.8	20.6	14.9

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-790	SB-790	SB-790	SB-790	SB-791	SB-791
SAMPLE ID	D-SB-790-03	D-SB-790-05	D-SB-790-07	D-SB-790-09	D-SB-791-03	D-SB-791-05
SAMPLE DATE	20100908	20100908	20100908	20100908	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	2.2	2	2.6	2.5	3.1 J	1.6 J
CADMIUM	0.12	0.4	0.12 L	0.044 J	0.027 B	0.022 B
CHROMIUM	19.5	18.3	18.9	23.7	23.8	16.9
COBALT	13.7	14.3	24.5	4.6	10.9	4.3
COPPER	23.2	22.3	23.4	30.1 L	15.1	22
IRON	21900	20200	22200	33200	37400	22100
LEAD	16.5	30.9	20.6	9.3	13.4	5.5
MANGANESE	84.9	112	78.4	62.4	90.1 J	28.4 J
MERCURY	0.36	0.21	0.63	0.019 U	0.018 U	0.019 U
MOLYBDENUM	0.39	0.49	0.35	0.46	0.52	0.63
NICKEL	28.4	31	41.4	15.3	40.7	10.7
SELENIUM	2.3	2.4	3.5	1 J	1.4 L	0.98 L
SILVER	0.24 K	0.25 K	0.32 K	0.024 B	0.019 U	0.024 B
THALLIUM	0.042 J	0.053 J	0.051 J	0.12 B	0.082 J	0.11 J
VANADIUM	29.6	27.5	28	42	37.5	30.9
ZINC	61.1	87.5	77.9	39.2 J	40.1	31.6
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	12000	63000	230000	9800 J	41000	22000
GASOLINE RANGE ORGANICS	53 U	55 U	56 U	59 U	56 U	59 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.31 U	0.57 J	0.33 U	0.55 J	0.33 U	0.9 J
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-791	SB-791	SB-792	SB-792	SB-792	SB-792
SAMPLE ID	D-SB-791-07	D-SB-791-09	D-SB-792-03	D-SB-792-05	D-SB-792-07	D-SB-792-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.53 U	0.62 U	0.52 U	0.55 U	0.52 U	0.52 U
1,1,1-TRICHLOROETHANE	0.48 U	0.56 U	0.47 U	0.5 U	0.47 U	0.47 U
1,1,2,2-TETRACHLOROETHANE	0.29 U	0.34 U	0.29 U	0.3 U	0.28 U	0.29 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.1 U	1.3 U	1.1 U	1.2 U	1.1 U	1.1 U
1,1-DICHLOROETHANE	0.31 U	0.36 U	0.3 U	0.32 U	0.3 U	0.3 U
1,1-DICHLOROETHENE	0.44 U	0.52 U	0.44 U	0.46 U	0.44 U	0.44 U
1,1-DICHLOROPROPENE	0.26 U	0.3 U	0.25 U	0.27 U	0.25 U	0.25 U
1,2,3-TRICHLOROBENZENE	0.32 U	0.38 U	0.32 U	0.34 U	0.32 U	0.32 U
1,2,3-TRICHLOROPROPANE	0.77 U	0.9 U	0.76 U	0.8 U	0.75 U	0.76 U
1,2,3-TRIMETHYLBENZENE	0.15 U	0.17 U	0.21 J	0.15 U	0.14 U	0.14 U
1,2,4-TRICHLOROBENZENE	0.23 U	0.27 U	0.23 U	0.24 U	0.23 U	0.23 U
1,2,4-TRIMETHYLBENZENE	0.55 U	0.65 U	0.55 U	0.58 U	0.54 U	0.55 U
1,2-DIBROMO-3-CHLOROPROPANE	1.1 U	1.3 U	1.1 U	1.2 U	1.1 U	1.1 U
1,2-DIBROMOETHANE	0.43 U	0.5 U	0.42 U	0.45 U	0.42 U	0.42 U
1,2-DICHLOROBENZENE	0.31 U	0.36 U	0.3 U	0.32 U	0.3 U	0.3 U
1,2-DICHLOROETHANE	0.29 U	0.34 U	0.29 U	0.3 U	0.28 U	0.29 U
1,2-DICHLOROPROPANE	0.59 U	0.69 U	0.58 U	0.62 U	0.58 U	0.58 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.3 U	0.35 U	0.29 U	0.31 U	0.29 U	0.3 U
1,3-DICHLOROPROPANE	0.29 U	0.34 U	0.29 U	0.3 U	0.28 U	0.29 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.56 U	0.66 U	0.56 U	0.59 U	0.55 U	0.56 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.8 U	0.94 U	0.79 U	0.84 U	0.79 U	0.79 U
2-BUTANONE	3.1 J	1.4 U	52	3.7 J	1.6 J	1.2 U
2-CHLOROETHYL VINYL ETHER	1.2 U	1.4 U	1.2 U	1.3 U	1.2 U	1.2 U
2-CHLOROTOLUENE	0.34 U	0.4 U	0.34 U	0.36 U	0.34 U	0.34 U
2-HEXANONE	0.54 U	0.63 U	0.53 U	0.56 U	0.53 U	0.53 U
4-CHLOROTOLUENE	0.35 U	0.41 U	0.35 U	0.37 U	0.34 U	0.35 U
4-ISOPROPYLTOLUENE	0.18 U	0.21 U	0.18 U	0.19 U	0.18 U	0.18 U
4-METHYL-2-PENTANONE	0.46 U	0.54 U	0.45 U	0.48 U	0.45 U	0.46 U
ACETONE	220 B	68 B	240 J	160 B	18 B	310 J
BENZENE	0.2 U	0.23 U	0.19 U	0.21 U	0.19 U	0.19 U
BROMOBENZENE	0.28 U	0.33 U	0.28 U	0.29 U	0.28 U	0.28 U
BROMOCHLOROMETHANE	0.61 U	0.71 U	0.6 U	0.63 U	0.59 U	0.6 U
BROMODICHLOROMETHANE	0.24 U	0.28 U	0.24 U	0.25 U	0.23 U	0.24 U
BROMOFORM	0.28 U	0.33 U	0.28 U	0.29 U	0.28 U	0.28 U
BROMOMETHANE	0.46 U	0.54 U	0.45 U	0.48 U	0.45 U	0.46 U
CARBON DISULFIDE	0.86 B	0.94 B	2 B	0.87 B	0.83 B	0.37 U
CARBON TETRACHLORIDE	0.32 U	0.37 U	0.31 U	0.33 U	0.31 U	0.31 U
CHLOROBENZENE	0.28 U	0.33 U	0.28 U	0.29 U	0.28 U	0.28 U
CHLORODIBROMOMETHANE	0.47 U	0.55 U	0.46 U	0.49 U	0.46 U	0.46 U
CHLOROETHANE	0.73 U	0.86 U	0.72 U	0.77 U	0.72 U	0.73 U
CHLOROFORM	0.25 U	0.29 U	0.24 U	0.26 U	0.24 U	0.24 U
CHLOROMETHANE	0.35 U	0.41 U	0.35 U	0.37 U	0.34 U	0.35 U
CIS-1,2-DICHLOROETHENE	0.31 U	0.36 U	0.3 U	0.32 U	0.3 U	0.3 U
CIS-1,3-DICHLOROPROPENE	0.29 U	0.34 U	0.29 U	0.3 U	0.28 U	0.29 U
DIBROMOMETHANE	0.54 U	0.63 U	0.53 U	0.56 U	0.53 U	0.53 U
DICHLORODIFLUOROMETHANE	0.43 U	0.5 U	0.42 U	0.45 U	0.42 U	0.42 U
DIISOPROPYL ETHER	1.3 U	1.5 U	1.3 U	1.3 U	1.3 U	1.3 U
ETHYL TERT-BUTYL ETHER	0.19 U	0.22 U	0.19 U	0.2 U	0.18 U	0.19 U
ETHYLBENZENE	0.22 U	0.26 U	0.22 U	0.23 U	0.22 U	0.22 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-791	SB-791	SB-792	SB-792	SB-792	SB-792
SAMPLE ID	D-SB-791-07	D-SB-791-09	D-SB-792-03	D-SB-792-05	D-SB-792-07	D-SB-792-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1 U	1.2 U	1 U	1.1 U	1 U	1 U
ISOPROPYLBENZENE	0.14 U	0.16 U	0.13 U	0.14 U	0.13 U	0.13 U
M+P-XYLENES	1 U	1.2 U	1 U	1.1 U	1 U	1 U
METHYL TERT-BUTYL ETHER	0.37 UJ	0.43 UJ	0.36 UJ	0.38 UJ	0.36 UJ	0.36 UJ
METHYLENE CHLORIDE	0.9 B	0.98 B	0.79 B	0.78 B	0.82 B	1 B
NAPHTHALENE	0.75 B	0.93 B	2.1 B	0.8 B	0.75 B	0.76 B
N-BUTYLBENZENE	0.2 U	0.23 U	0.19 U	0.21 U	0.19 U	0.19 U
N-PROPYLBENZENE	0.34 U	0.4 U	0.34 U	0.36 U	0.34 U	0.34 U
O-XYLENE	0.3 U	0.35 U	0.29 U	0.31 U	0.29 U	0.3 U
SEC-BUTYLBENZENE	0.15 U	0.18 U	0.15 U	0.16 U	0.15 U	0.15 U
STYRENE	0.13 U	0.15 U	0.13 U	0.13 U	0.13 U	0.13 U
TERT-AMYL METHYL ETHER	0.32 UJ	0.37 U	0.31 U	0.33 U	0.31 U	0.31 UJ
TERT-BUTYLBENZENE	0.25 U	0.29 U	0.24 U	0.26 U	0.24 U	0.24 U
TERTIARY-BUTYL ALCOHOL	47 B	53 B	47 B	50 B	44 B	45 B
TETRACHLOROETHENE	0.44 U	0.52 U	0.44 U	0.46 U	0.44 U	0.44 U
TOLUENE	0.23 U	0.27 U	0.71 J	0.24 U	0.41 J	0.23 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.57 U	0.67 U	0.56 U	0.6 U	0.56 U	0.57 U
TRANS-1,2-DICHLOROETHENE	0.35 U	0.41 U	0.35 U	0.37 U	0.34 U	0.35 U
TRANS-1,3-DICHLOROPROPENE	0.46 U	0.54 U	0.45 U	0.48 U	0.45 U	0.46 U
TRICHLOROETHENE	0.36 U	0.42 U	0.35 U	0.38 U	0.35 U	0.35 U
TRICHLOROFLUOROMETHANE	0.29 U	0.34 U	0.29 U	0.3 U	0.28 U	0.29 U
VINYL ACETATE	0.21 U	0.25 U	0.21 U	0.22 U	0.21 U	0.21 U
VINYL CHLORIDE	0.33 U	0.39 U	0.33 U	0.35 U	0.33 U	0.33 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	32 U	31 U	32 U	33 U	32 U	32 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	26 U	25 U	26 U	27 U	26 U	26 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	11 U	11 U	11 U	11 U	11 U
2,4,5-TRICHLOROPHENOL	30 U	29 U	29 U	30 U	30 U	29 U
2,4,6-TRICHLOROPHENOL	95 U	92 U	94 U	97 U	96 U	94 U
2,4-DICHLOROPHENOL	24 U	23 U	23 U	24 U	24 U	23 U
2,4-DIMETHYLPHENOL	24 U	23 U	23 U	24 U	24 U	23 U
2,4-DINITROPHENOL	95 U	92 U	94 U	97 U	96 U	94 U
2,4-DINITROTOLUENE	32 U	31 U	32 U	33 U	32 U	32 U
2,6-DINITROTOLUENE	25 U	24 U	25 U	25 U	25 U	25 U
2-CHLORONAPHTHALENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
2-CHLOROPHENOL	32 U	31 U	32 U	33 U	32 U	32 U
2-METHYLPHENOL	95 U	92 U	94 U	97 U	96 U	94 U
2-NITROANILINE	11 U	10 U	11 U	11 U	11 U	11 U
2-NITROPHENOL	32 U	31 U	32 U	33 U	32 U	32 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	21 U	21 U	21 U	22 U	22 U	21 U
3-NITROANILINE	19 U	18 U	19 U	19 U	19 U	19 U
4,6-DINITRO-2-METHYLPHENOL	95 U	92 U	94 U	97 U	96 U	94 U
4-BROMOPHENYL PHENYL ETHER	15 U	15 U	15 U	16 U	16 U	15 U
4-CHLORO-3-METHYLPHENOL	25 U	24 U	25 U	25 U	25 U	25 U
4-CHLOROANILINE	20 U	19 U	20 U	21 U	20 U	20 U
4-CHLOROPHENYL PHENYL ETHER	15 U	15 U	15 U	16 U	16 U	15 U
4-METHYLPHENOL	95 U	92 U	94 U	97 U	96 U	94 U
4-NITROANILINE	31 U	30 U	30 U	31 U	31 U	30 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-791	SB-791	SB-792	SB-792	SB-792	SB-792
SAMPLE ID	D-SB-791-07	D-SB-791-09	D-SB-792-03	D-SB-792-05	D-SB-792-07	D-SB-792-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	95 U	92 U	94 U	97 U	96 U	94 U
ACETOPHENONE	11 U	11 U	11 U	11 U	11 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	10 U	11 U	11 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	14 U	14 U	14 U	14 U	14 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	26 U	25 U	26 U	27 U	26 U	26 U
BIS(2-CHLOROETHYL)ETHER	2.4 U	2.3 U	2.3 U	2.4 U	2.4 U	2.3 U
BIS(2-ETHYLHEXYL)PHTHALATE	23 U	22 U	22 U	23 U	23 U	22 U
BUTYL BENZYL PHTHALATE	12 U	11 U	12 U	12 U	12 U	12 U
CAPROLACTAM	44 U	42 U	43 U	45 U	44 U	43 U
CARBAZOLE	32 U	31 U	32 U	33 U	32 U	32 U
DIBENZOFURAN	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
DIETHYL PHTHALATE	19 U	18 U	19 U	19 U	19 U	19 U
DIMETHYL PHTHALATE	20 U	19 U	20 U	21 U	20 U	20 U
DI-N-BUTYL PHTHALATE	18 U	17 U	18 U	18 U	18 U	18 U
DI-N-OCTYL PHTHALATE	32 U	31 U	32 U	33 U	32 U	32 U
HEXACHLOROBENZENE	2.5 U	2.4 U	2.5 U	2.5 U	2.5 U	2.5 U
HEXACHLOROBUTADIENE	32 U	31 U	32 U	33 U	32 U	32 U
HEXACHLOROCYCLOPENTADIENE	32 U	31 U	32 U	33 U	32 U	32 U
HEXACHLOROETHANE	11 U	10 U	11 U	11 U	11 U	11 U
ISOPHORONE	15 U	15 U	15 U	16 U	16 U	15 U
NITROBENZENE	2.6 U	2.5 U	2.6 U	2.7 U	2.6 U	2.6 U
N-NITROSODIMETHYLAMINE	19 U	18 U	19 U	19 U	19 U	19 U
N-NITROSO-DI-N-PROPYLAMINE	32 U	31 U	32 U	33 U	32 U	32 U
N-NITROSODIPHENYLAMINE	25 U	24 U	25 U	25 U	25 U	25 U
PENTACHLOROPHENOL	95 U	92 U	94 UR	97 U	96 U	94 U
PHENOL	32 U	31 U	32 U	33 U	32 U	32 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
ACENAPHTHENE	3.9 U	3.8 U	8.2	4 U	3.9 U	3.9 U
ACENAPHTHYLENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
ANTHRACENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
BAP EQUIVALENT-HALFND	3.9 U	3.8 U	5.1073	4 U	3.9 U	3.9 U
BAP EQUIVALENT-POS	3.9 U	3.8 U	0.7978	4 U	3.9 U	3.9 U
BENZO(A)ANTHRACENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
BENZO(A)PYRENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
BENZO(B)FLUORANTHENE	3.9 U	3.8 U	7.9	4 U	3.9 U	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
BENZO(K)FLUORANTHENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-791	SB-791	SB-792	SB-792	SB-792	SB-792
SAMPLE ID	D-SB-791-07	D-SB-791-09	D-SB-792-03	D-SB-792-05	D-SB-792-07	D-SB-792-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	7.8	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
FLUORANTHENE	3.9 U	3.8 U	11	4 U	3.9 U	3.9 U
FLUORENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
INDENO(1,2,3-CD)PYRENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
NAPHTHALENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
PHENANTHRENE	3.9 U	3.8 U	3.9 U	4 U	3.9 U	3.9 U
PYRENE	3.9 U	3.8 U	8.1	4 U	3.9 U	3.9 U
TOTAL PAHS	0 U	0 U	43	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.73 U	0.71 U	0.72 U	0.75 U	0.74 U	0.73 U
4,4'-DDE	0.46 U	0.45 U	0.46 U	0.47 U	0.47 U	0.46 U
4,4'-DDT	0.75 U	0.72 U	0.74 U	0.76 U	0.75 U	0.74 U
ALDRIN	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
ALPHA-BHC	0.87 U	0.84 U	0.85 U	0.88 U	0.87 U	0.86 U
ALPHA-CHLORDANE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
AROCLOR-1016	25 U	24 U	25 U	25 U	25 U	25 U
AROCLOR-1221	19 U	18 U	19 U	19 U	19 U	19 U
AROCLOR-1232	17 U	16 U	16 U	17 U	17 U	16 U
AROCLOR-1242	15 U	15 U	15 U	16 U	16 U	15 U
AROCLOR-1248	20 U	19 U	20 U	21 U	20 U	20 U
AROCLOR-1254	20 U	19 U	20 U	21 U	20 U	20 U
AROCLOR-1260	20 U	19 U	20 U	21 U	20 U	20 U
BETA-BHC	1.3 U	1.3 U	1.3 J	1.3 U	1.3 U	1.3 U
DELTA-BHC	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
DIELDRIN	0.56 U	0.54 U	0.55 U	0.57 U	0.56 U	0.55 U
ENDOSULFAN I	0.62 U	0.59 U	0.61 U	0.63 U	0.62 U	0.61 U
ENDOSULFAN II	0.97 U	0.94 U	0.96 U	0.99 U	0.98 U	0.96 U
ENDOSULFAN SULFATE	1 U	1 U	1 U	1.1 U	1 U	1 U
ENDRIN	0.59 U	0.57 U	0.58 U	0.6 U	0.6 U	0.59 U
ENDRIN ALDEHYDE	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U
ENDRIN KETONE	0.75 U	0.72 U	0.74 U	0.76 U	0.75 U	0.74 U
GAMMA-BHC (LINDANE)	0.88 U	0.85 U	0.87 U	0.89 U	0.89 U	0.87 U
GAMMA-CHLORDANE	0.5 U	0.48 U	0.49 U	0.51 U	0.5 U	0.49 U
HEPTACHLOR	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ
HEPTACHLOR EPOXIDE	0.95 U	0.92 U	0.94 U	0.97 U	0.96 U	0.94 U
METHOXYCHLOR	1.8 UJ	1.7 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	23 U	22 U	22 U	23 U	23 U	22 U
METALS (MG/KG)						
ANTIMONY	0.3 B	0.027 UL	0.28 UL	0.23 B	0.21 B	0.22 B
ARSENIC	7.9 L	5 L	5.4 L	4.4 L	2.9 L	3.8 L
BARIUM	12.6	7.4	40.6	16.7	12.2	10.3

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-791	SB-791	SB-792	SB-792	SB-792	SB-792
SAMPLE ID	D-SB-791-07	D-SB-791-09	D-SB-792-03	D-SB-792-05	D-SB-792-07	D-SB-792-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	3.4 J	0.82 J	1.5 J	1.9 J	1.7 J	2.7 J
CADMIUM	0.019 B	0.017 B	0.24 B	0.026 B	0.0093 UL	0.02 B
CHROMIUM	31	2.2	19.6	22.3	17.9	24.8
COBALT	10.3	3.4	33	7	7.1	12.1
COPPER	24.7	4.7	31.1	20.4	13	18.2
IRON	50200	1420	18800	35700	27100	42300
LEAD	6.7	5.6	54.1	5.2	3.3	2.9
MANGANESE	161 J	7.2 J	88.8 J	53.1 J	40.2 J	30 J
MERCURY	0.018 U	0.017 U	1.3	0.018 U	0.018 U	0.018 U
MOLYBDENUM	0.8	0.072 U	0.53	0.65	0.57	0.74
NICKEL	36.2	5.3	37	18.7	19	30.1
SELENIUM	2.4 L	7.2 L	2 L	0.84 L	0.99 L	1.1 L
SILVER	0.019 U	0.018 U	1.9	0.019 U	0.019 U	0.019 U
THALLIUM	0.079 J	0.064 J	0.15 U	0.099 J	0.064 J	0.06 J
VANADIUM	51.2	2.1	29	46	35.9	67.2
ZINC	41.3	8.7	111	33.6	19	31.2
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	5400 J	3200 U	83000	8000 J	7800 J	4100 J
GASOLINE RANGE ORGANICS	55 U	53 U	54 U	56 U	55 U	54 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.32 U	0.39 J	0.32 U	0.56 J	0.32 U	0.32 U
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-793	SB-793	SB-793	SB-793	SB-794	SB-794
SAMPLE ID	D-SB-793-03	D-SB-793-05	D-SB-793-07	D-SB-793-09	D-SB-794-03	D-SB-794-05
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.57 U	0.54 U	0.59 U	0.54 U	0.48 U	0.52 U
1,1,1-TRICHLOROETHANE	0.51 U	0.49 U	0.53 U	0.49 U	0.44 U	0.47 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.3 U	0.32 U	0.3 U	0.26 U	0.28 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U
1,1-DICHLOROETHANE	0.33 U	0.31 U	0.34 U	0.31 U	0.28 U	0.3 U
1,1-DICHLOROETHENE	0.48 U	0.45 U	0.5 U	1.1 J	0.4 U	0.43 U
1,1-DICHLOROPROPENE	0.27 U	0.26 U	0.29 U	0.26 U	0.23 U	0.25 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.33 U	0.36 U	0.33 U	0.3 U	0.32 U
1,2,3-TRICHLOROPROPANE	0.82 U	0.79 U	0.86 U	0.78 U	0.7 U	0.75 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.15 U	0.16 U	0.15 U	0.13 U	0.14 U
1,2,4-TRICHLOROBENZENE	0.25 U	0.24 U	0.26 U	0.23 U	0.21 U	0.22 U
1,2,4-TRIMETHYLBENZENE	0.6 U	0.57 U	0.62 U	0.57 U	0.51 U	0.54 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U
1,2-DIBROMOETHANE	0.46 U	0.44 U	0.48 U	0.43 U	0.39 U	0.42 U
1,2-DICHLOROBENZENE	0.33 U	0.31 U	0.34 U	0.31 U	0.28 U	0.3 U
1,2-DICHLOROETHANE	0.31 U	0.3 U	0.32 U	0.3 U	0.26 U	0.28 U
1,2-DICHLOROPROPANE	0.63 U	0.6 U	0.66 U	0.6 U	0.54 U	0.57 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.32 U	0.31 U	0.33 U	0.3 U	0.27 U	0.29 U
1,3-DICHLOROPROPANE	0.31 U	0.3 U	0.32 U	0.3 U	0.26 U	0.28 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.6 U	0.58 U	0.63 U	0.57 U	0.51 U	0.55 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.86 U	0.82 U	0.9 U	0.82 U	0.73 U	0.78 U
2-BUTANONE	22	1.2 U	5.1 J	1.2 U	3 J	6.8 J
2-CHLOROETHYL VINYL ETHER	1.3 U	1.2 U	1.3 U	1.2 U	1.1 U	1.2 U
2-CHLOROTOLUENE	0.37 U	0.35 U	0.38 U	0.35 U	0.31 U	0.33 U
2-HEXANONE	0.58 U	0.55 U	0.6 U	0.55 U	0.49 U	0.52 U
4-CHLOROTOLUENE	0.38 U	0.36 U	0.39 U	0.36 U	0.32 U	0.34 U
4-ISOPROPYLTOLUENE	0.19 U	0.18 U	0.2 U	0.18 U	0.16 U	0.17 U
4-METHYL-2-PENTANONE	0.49 U	0.47 U	0.51 U	0.47 U	0.42 U	0.45 U
ACETONE	100 B	29 B	190 B	5.5 U	31 B	62 B
BENZENE	0.21 U	0.2 U	0.22 U	0.2 U	0.18 U	0.19 U
BROMOBENZENE	0.3 U	0.29 U	0.31 U	0.29 U	0.26 U	0.27 U
BROMOCHLOROMETHANE	0.65 U	0.62 U	0.68 U	0.62 U	0.55 U	0.59 U
BROMODICHLOROMETHANE	0.26 U	0.24 U	0.27 U	0.24 U	0.22 U	0.23 U
BROMOFORM	0.3 U	0.29 U	0.31 U	0.29 U	0.26 U	0.27 U
BROMOMETHANE	0.49 U	0.47 U	0.51 U	0.47 U	0.42 U	0.45 U
CARBON DISULFIDE	1.8 B	0.81 B	1 B	0.38 U	0.99 B	1 B
CARBON TETRACHLORIDE	0.34 U	0.32 U	0.35 U	0.32 U	0.29 U	0.31 U
CHLOROBENZENE	0.3 U	0.29 U	0.31 U	0.29 U	0.26 U	0.27 U
CHLORODIBROMOMETHANE	0.5 U	0.48 U	0.52 U	0.48 U	0.43 U	0.46 U
CHLOROETHANE	0.79 U	0.75 U	0.82 U	0.75 U	0.67 U	0.72 U
CHLOROFORM	0.27 U	0.25 U	0.28 U	0.25 U	0.23 U	0.24 U
CHLOROMETHANE	0.38 U	0.36 U	0.39 U	0.36 U	0.32 U	0.34 U
CIS-1,2-DICHLOROETHENE	0.33 U	0.31 U	0.34 U	0.31 U	0.28 U	0.3 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.3 U	0.32 U	0.3 U	0.26 U	0.28 U
DIBROMOMETHANE	0.58 U	0.55 U	0.6 U	0.55 U	0.49 U	0.52 U
DICHLORODIFLUOROMETHANE	0.46 U	0.44 U	0.48 U	0.43 U	0.39 U	0.42 U
DIISOPROPYL ETHER	1.4 U	1.3 U	1.4 U	1.3 U	1.2 U	1.2 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.19 U	0.21 U	0.19 U	0.17 U	0.18 U
ETHYLBENZENE	0.24 U	0.23 U	0.25 U	0.23 U	0.2 U	0.22 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-793	SB-793	SB-793	SB-793	SB-794	SB-794
SAMPLE ID	D-SB-793-03	D-SB-793-05	D-SB-793-07	D-SB-793-09	D-SB-794-03	D-SB-794-05
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1.1 U	1 U	1.1 U	1 U	0.93 U	1 U
ISOPROPYLBENZENE	0.15 U	0.14 U	0.15 U	0.14 U	0.12 U	0.13 U
M+P-XYLENES	1.1 U	1 U	1.1 U	1 U	0.93 U	1 U
METHYL TERT-BUTYL ETHER	0.39 UJ	0.38 UJ	0.41 UJ	0.37 UJ	0.33 UJ	0.36 UJ
METHYLENE CHLORIDE	0.93 B	0.83 B	1.2 B	0.76 B	0.52 U	0.56 U
NAPHTHALENE	1.1 B	0.75 B	0.84 B	0.76 B	0.15 U	0.16 U
N-BUTYLBENZENE	0.21 U	0.2 U	0.22 U	0.2 U	0.18 U	0.19 U
N-PROPYLBENZENE	0.37 U	0.35 U	0.38 U	0.35 U	0.31 U	0.33 U
O-XYLENE	0.32 U	0.31 U	0.33 U	0.3 U	0.27 U	0.29 U
SEC-BUTYLBENZENE	0.16 U	0.16 U	0.17 U	0.16 U	0.14 U	0.15 U
STYRENE	0.14 U	0.13 U	0.14 U	0.13 U	0.12 U	0.12 U
TERT-AMYL METHYL ETHER	0.34 U	0.32 U	0.35 U	0.32 U	0.29 UJ	0.31 UJ
TERT-BUTYLBENZENE	0.27 U	0.25 U	0.28 U	0.25 U	0.23 U	0.24 U
TERTIARY-BUTYL ALCOHOL	50 B	47 B	51 B	46 B	5.9 UR	6.3 UR
TETRACHLOROETHENE	0.48 U	0.45 U	0.5 U	0.45 U	0.4 U	0.43 U
TOLUENE	0.25 U	0.24 U	0.26 U	0.23 U	0.21 U	0.22 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.61 U	0.59 U	0.64 U	0.58 U	0.52 U	0.56 U
TRANS-1,2-DICHLOROETHENE	0.38 U	0.36 U	0.39 U	0.36 U	0.32 U	0.34 U
TRANS-1,3-DICHLOROPROPENE	0.49 U	0.47 U	0.51 U	0.47 U	0.42 U	0.45 U
TRICHLOROETHENE	0.38 U	0.37 U	0.4 U	0.37 U	0.33 U	0.35 U
TRICHLOROFLUOROMETHANE	0.31 U	0.3 U	0.32 U	0.3 U	0.26 U	0.28 U
VINYL ACETATE	0.23 U	0.22 U	0.24 U	0.22 U	0.19 U	0.21 U
VINYL CHLORIDE	0.36 U	0.34 U	0.37 U	0.34 U	0.3 U	0.32 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	33 U	33 U	33 U	32 U	32 UJ	34 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	27 U	27 U	27 U	26 U	26 UJ	27 U
2,2'-OXYBIS(1-CHLOROPROPANE)	12 U	12 U	12 U	11 U	11 UJ	12 U
2,4,5-TRICHLOROPHENOL	31 U	31 U	31 U	30 U	29 UJ	31 U
2,4,6-TRICHLOROPHENOL	98 U	98 U	98 U	95 U	94 UJ	99 U
2,4-DICHLOROPHENOL	24 U	25 U	24 U	24 U	24 UJ	25 U
2,4-DIMETHYLPHENOL	24 U	25 U	24 U	24 U	24 UJ	25 U
2,4-DINITROPHENOL	98 U	98 U	98 U	95 U	94 UJ	99 U
2,4-DINITROTOLUENE	33 U	33 U	33 U	32 U	32 UJ	34 U
2,6-DINITROTOLUENE	26 U	26 U	26 U	25 U	25 UJ	26 U
2-CHLORONAPHTHALENE	4 U	4.1 U	4 U	3.9 U	3.9 UJ	4.1 U
2-CHLOROPHENOL	33 U	33 U	33 U	32 U	32 UJ	34 U
2-METHYLPHENOL	98 U	98 U	98 U	95 U	94 UJ	99 U
2-NITROANILINE	11 U	11 U	11 U	11 U	11 UJ	11 U
2-NITROPHENOL	33 U	33 U	33 U	32 U	32 UJ	34 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	22 U	22 U	22 U	21 U	21 UJ	22 U
3-NITROANILINE	20 U	20 U	20 U	19 U	19 UJ	20 U
4,6-DINITRO-2-METHYLPHENOL	98 U	98 U	98 U	95 U	94 UJ	99 U
4-BROMOPHENYL PHENYL ETHER	16 U	16 U	16 U	15 U	15 UJ	16 U
4-CHLORO-3-METHYLPHENOL	26 U	26 U	26 U	25 U	25 UJ	26 U
4-CHLOROANILINE	21 U	21 U	21 U	20 U	20 UJ	21 U
4-CHLOROPHENYL PHENYL ETHER	16 U	16 U	16 U	15 U	15 UJ	16 U
4-METHYLPHENOL	98 U	98 U	98 U	95 U	94 UJ	99 U
4-NITROANILINE	32 U	32 U	32 U	31 U	31 UJ	32 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-793	SB-793	SB-793	SB-793	SB-794	SB-794
SAMPLE ID	D-SB-793-03	D-SB-793-05	D-SB-793-07	D-SB-793-09	D-SB-794-03	D-SB-794-05
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	98 U	98 U	98 U	95 U	94 UJ	99 U
ACETOPHENONE	11 U	11 U	11 U	11 U	11 UJ	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	11 U	11 U	11 U	11 UJ	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	15 U	15 U	15 U	14 U	14 UJ	15 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	27 U	27 U	27 U	26 U	26 UJ	27 U
BIS(2-CHLOROETHYL)ETHER	2.4 U	2.5 U	2.4 U	2.4 U	2.4 UJ	2.5 U
BIS(2-ETHYLHEXYL)PHTHALATE	30 J	23 U	23 U	32 J	22 UJ	24 U
BUTYL BENZYL PHTHALATE	12 U	12 U	12 U	12 U	12 UJ	12 U
CAPROLACTAM	45 U	46 U	45 U	44 U	44 UJ	46 U
CARBAZOLE	33 U	33 U	33 U	32 U	32 UJ	34 U
DIBENZOFURAN	4 U	4.1 U	4 U	3.9 U	35 J	4.1 U
DIETHYL PHTHALATE	20 U	20 U	20 U	19 U	19 UJ	20 U
DIMETHYL PHTHALATE	21 U	21 U	21 U	20 U	20 UJ	21 U
DI-N-BUTYL PHTHALATE	18 U	18 U	18 U	18 U	18 UJ	19 U
DI-N-OCTYL PHTHALATE	33 U	33 U	33 U	32 U	32 UJ	34 U
HEXACHLOROBENZENE	2.6 U	2.6 U	2.6 U	2.5 U	2.5 UJ	2.6 U
HEXACHLOROBUTADIENE	33 U	33 U	33 U	32 U	32 UJ	34 U
HEXACHLOROCYCLOPENTADIENE	33 U	33 U	33 U	32 U	32 UJ	34 U
HEXACHLOROETHANE	11 U	11 U	11 U	11 U	11 UJ	11 U
ISOPHORONE	16 U	16 U	16 U	15 U	15 UJ	16 U
NITROBENZENE	2.7 U	2.7 U	2.7 U	2.6 U	2.6 UJ	2.7 U
N-NITROSODIMETHYLAMINE	20 U	20 U	20 U	19 U	19 UJ	20 U
N-NITROSO-DI-N-PROPYLAMINE	33 U	33 U	33 U	32 U	32 UJ	34 U
N-NITROSODIPHENYLAMINE	26 U	26 U	26 U	25 U	25 UJ	26 U
PENTACHLOROPHENOL	98 U	98 U	98 U	95 U	94 UJ	99 U
PHENOL	33 U	33 U	33 U	32 U	32 UJ	34 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	4 U	4.1 U	4 U	3.9 U	59 J	4.1 U
ACENAPHTHENE	4 U	4.1 U	4 U	3.9 U	39 J	4.1 U
ACENAPHTHYLENE	4 U	4.1 U	4 U	3.9 U	3.9 UJ	4.1 U
ANTHRACENE	4 U	4.1 U	4 U	3.9 U	48 J	4.1 U
BAP EQUIVALENT-HALFND	22.569	4.1 U	4 U	3.9 U	137.41	4.1 U
BAP EQUIVALENT-POS	20.569	4.1 U	4 U	3.9 U	135.46	4.1 U
BENZO(A)ANTHRACENE	17	4.1 U	4 U	3.9 U	110 J	4.1 U
BENZO(A)PYRENE	16	4.1 U	4 U	3.9 U	100 J	4.1 U
BENZO(B)FLUORANTHENE	18	4.1 U	4 U	3.9 U	160 J	4.1 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	10	4.1 U	4 U	3.9 U	75 J	4.1 U
BENZO(K)FLUORANTHENE	13	4.1 U	4 U	3.9 U	63 J	4.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-793	SB-793	SB-793	SB-793	SB-794	SB-794
SAMPLE ID	D-SB-793-03	D-SB-793-05	D-SB-793-07	D-SB-793-09	D-SB-794-03	D-SB-794-05
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	19	1.4 U	1.3 U	1.3 U	130 J	1.4 U
DIBENZO(A,H)ANTHRACENE	4 U	4.1 U	4 U	3.9 U	3.9 UJ	4.1 U
FLUORANTHENE	36	4.1 U	4 U	3.9 U	210 J	4.1 U
FLUORENE	4 U	4.1 U	4 U	3.9 U	38 J	4.1 U
INDENO(1,2,3-CD)PYRENE	9.2	4.1 U	4 U	3.9 U	77 J	4.1 U
NAPHTHALENE	4 U	4.1 U	4 U	3.9 U	47 J	4.1 U
PHENANTHRENE	22	4.1 U	4 U	3.9 U	190 J	4.1 U
PYRENE	27	4.1 U	4 U	3.9 U	170 J	4.1 U
TOTAL PAHS	187.2	0 U	0 U	0 U	1516	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.76 U	7.6 U	0.76 U	0.74 U	3.7 U	0.77 U
4,4'-DDE	0.48 U	4.8 U	0.48 U	0.46 U	2.3 U	0.48 U
4,4'-DDT	0.77 U	7.8 U	0.77 U	0.75 U	3.7 U	0.78 U
ALDRIN	1.5 U	15 U	1.5 U	1.4 U	7.1 U	1.5 U
ALPHA-BHC	0.89 U	9 U	0.89 U	0.87 UJ	4.3 UJ	0.91 UJ
ALPHA-CHLORDANE	1.1 U	12 U	1.1 U	1.1 U	5.5 U	1.2 U
AROCLOR-1016	26 U	26 U	26 U	25 U	25 U	26 U
AROCLOR-1221	20 U	20 U	20 U	19 U	19 U	20 U
AROCLOR-1232	17 U	17 U	17 U	17 U	17 U	17 U
AROCLOR-1242	16 U	16 U	16 U	15 U	15 U	16 U
AROCLOR-1248	21 U	21 U	21 U	20 U	20 U	21 U
AROCLOR-1254	21 U	21 U	21 U	20 U	20 U	21 U
AROCLOR-1260	21 U	21 U	21 U	20 U	20 U	21 U
BETA-BHC	1.3 U	14 U	1.3 U	1.3 U	6.5 U	1.4 U
DELTA-BHC	1.5 U	15 U	1.5 U	1.4 U	7.1 U	1.5 U
DIELDRIN	0.57 U	5.8 U	0.57 U	0.56 U	2.8 U	0.58 U
ENDOSULFAN I	0.64 U	6.4 U	0.63 U	0.62 U	3.1 U	0.65 U
ENDOSULFAN II	1 U	10 U	1 U	0.98 U	4.8 U	1 U
ENDOSULFAN SULFATE	1.1 U	11 U	1.1 U	1 U	5.1 U	1.1 U
ENDRIN	0.61 U	6.2 U	0.61 U	0.6 U	2.9 U	0.62 U
ENDRIN ALDEHYDE	1.2 U	12 U	1.2 U	1.2 U	5.9 U	1.2 U
ENDRIN KETONE	0.77 U	7.8 U	0.77 U	0.75 U	3.7 U	0.78 U
GAMMA-BHC (LINDANE)	0.9 U	9.1 U	0.9 U	0.88 U	4.4 U	0.92 U
GAMMA-CHLORDANE	0.51 U	5.2 U	0.51 U	0.5 U	2.5 U	0.52 U
HEPTACHLOR	1.3 UJ	14 UJ	1.3 UJ	1.3 U	6.5 U	1.4 U
HEPTACHLOR EPOXIDE	0.98 U	9.8 U	0.98 U	0.95 U	4.7 U	0.99 U
METHOXYCHLOR	1.8 UJ	18 UJ	1.8 UJ	1.8 U	8.8 U	1.9 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	23 U	230 U	23 U	23 U	110 U	24 U
METALS (MG/KG)						
ANTIMONY	0.3 B	0.12 B	0.15 B	0.3 B	0.28 B	0.18 B
ARSENIC	5.6 L	3.6 L	4.1 L	3.6 J	5.5 J	7 J
BARIUM	26.5	15.6	10.7	15.7	40.2	11.3

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-793	SB-793	SB-793	SB-793	SB-794	SB-794
SAMPLE ID	D-SB-793-03	D-SB-793-05	D-SB-793-07	D-SB-793-09	D-SB-794-03	D-SB-794-05
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	2.2 J	0.92 J	1.4 J	2.6 J	2.3 J	1 J
CADMIUM	0.3 B	0.0096 UL	0.0095 UL	0.028 B	0.2 B	0.02 B
CHROMIUM	20.1	18.7	23.5	27.3 J	19.4 J	25.9 J
COBALT	15.7	5.3	4.7	18.2 J	30 J	4.4 J
COPPER	32.8	21.5	26.2	27.8 J	27.7 J	23.1 J
IRON	25900	27600	29300	35600 J	30900 J	36000 J
LEAD	26.4	4.7	3.7	4	33.3	4.8
MANGANESE	69.5 J	15.2 J	20.4 J	69.4 J	326 J	28.2 J
MERCURY	0.47	0.018 U	0.018 U	0.018 U	0.7	0.019 U
MOLYBDENUM	0.49	0.55	0.4	0.59	0.63	0.53
NICKEL	34.2	10.2	10.9	39.4 J	40.8 J	14 J
SELENIUM	3 L	0.73 L	0.81 L	1.3 L	1.8 L	0.49 J
SILVER	0.37	0.02 U	0.02 U	0.019 U	0.88	0.02 U
THALLIUM	0.069 J	0.069 J	0.044 J	0.1 J	0.077 U	0.05 J
VANADIUM	30.8	41.9	39.1	46 J	29.9 J	48.7 J
ZINC	68.6	20.3	17.5	43.3 L	94.1 L	21.7 L
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	47000	7900 J	5300 J	7700 J	70000	8400 J
GASOLINE RANGE ORGANICS	56 U	57 U	56 U	55 U	54 U	57 U
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.42 J	0.33 U	0.48 J	0.32 U	0.32 U	0.34 U
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-794	SB-794	SB-795	SB-795	SB-795	SB-795
SAMPLE ID	D-SB-794-07	D-SB-794-09	D-SB-795-03	D-SB-795-05	D-SB-795-07	D-SB-795-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	0.57 U	0.53 U	0.6 U	0.72 U	0.51 U	0.57 U
1,1,1-TRICHLOROETHANE	0.51 U	0.48 U	0.54 U	0.65 U	0.46 U	0.51 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.29 U	0.33 U	0.4 U	0.28 U	0.31 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.1 U	1.3 U	1.5 U	1.1 U	1.2 U
1,1-DICHLOROETHANE	0.33 U	0.31 U	0.35 U	0.42 U	0.3 U	0.33 U
1,1-DICHLOROETHENE	0.48 U	0.44 U	0.5 U	0.61 U	0.43 U	0.48 U
1,1-DICHLOROPROPENE	0.28 U	0.26 U	0.29 U	0.35 U	0.25 U	0.28 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.32 U	0.37 U	0.44 U	0.31 U	0.35 U
1,2,3-TRICHLOROPROPANE	0.83 U	0.77 U	0.87 U	1 U	0.74 U	0.83 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.15 U	0.16 U	0.2 U	0.14 U	0.16 U
1,2,4-TRICHLOROBENZENE	0.25 U	0.23 U	0.26 U	0.31 U	0.22 U	0.25 U
1,2,4-TRIMETHYLBENZENE	0.6 U	0.55 U	0.63 U	0.76 U	0.53 U	0.6 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.1 U	1.3 U	1.5 U	1.1 U	1.2 U
1,2-DIBROMOETHANE	0.46 U	0.43 U	0.48 U	0.58 U	0.41 U	0.46 U
1,2-DICHLOROBENZENE	0.33 U	0.31 U	0.35 U	0.42 U	0.3 U	0.33 U
1,2-DICHLOROETHANE	0.31 U	0.29 U	0.33 U	0.4 U	0.28 U	0.31 U
1,2-DICHLOROPROPANE	0.63 U	0.59 U	0.67 U	0.8 U	0.57 U	0.63 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.32 U	0.3 U	0.34 U	0.41 U	0.29 U	0.32 U
1,3-DICHLOROPROPANE	0.31 U	0.29 U	0.33 U	0.4 U	0.28 U	0.31 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.61 U	0.56 U	0.64 U	0.77 U	0.54 U	0.61 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.86 U	0.8 U	0.91 U	1.1 U	0.77 U	0.86 U
2-BUTANONE	1.7 J	1.2 U	1.9 J	15	2.2 J	1.3 U
2-CHLOROETHYL VINYL ETHER	1.3 U	1.2 U	1.4 U	1.6 U	1.2 U	1.3 U
2-CHLOROTOLUENE	0.37 U	0.34 U	0.39 U	0.47 U	0.33 U	0.37 U
2-HEXANONE	0.58 U	0.54 U	0.61 U	0.73 U	0.52 U	0.58 U
4-CHLOROTOLUENE	0.38 U	0.35 U	0.4 U	0.48 U	0.34 U	0.38 U
4-ISOPROPYLTOLUENE	0.19 U	0.18 U	0.2 U	0.24 U	0.17 U	0.19 U
4-METHYL-2-PENTANONE	0.5 U	0.46 U	0.52 U	0.63 U	0.44 U	0.5 U
ACETONE	15 B	5.4 U	9.2 B	70 B	15 B	5.8 U
BENZENE	0.21 U	0.2 U	0.22 U	0.27 U	0.19 U	0.21 U
BROMOBENZENE	0.3 U	0.28 U	0.32 U	0.38 U	0.27 U	0.3 U
BROMOCHLOROMETHANE	0.65 U	0.61 U	0.69 U	0.83 U	0.58 U	0.65 U
BROMODICHLOROMETHANE	0.26 U	0.24 U	0.27 U	0.33 U	0.23 U	0.26 U
BROMOFORM	0.3 U	0.28 U	0.32 U	0.38 U	0.27 U	0.3 U
BROMOMETHANE	0.5 U	0.46 U	0.52 U	0.63 U	0.44 U	0.5 U
CARBON DISULFIDE	0.87 B	0.38 U	0.99 B	2 B	0.89 B	0.85 B
CARBON TETRACHLORIDE	0.34 U	0.32 U	0.36 U	0.43 U	0.3 U	0.34 U
CHLOROBENZENE	0.3 U	0.28 U	0.32 U	0.38 U	0.27 U	0.3 U
CHLORODIBROMOMETHANE	0.51 U	0.47 U	0.53 U	0.64 U	0.45 U	0.51 U
CHLOROETHANE	0.79 U	0.73 U	0.83 U	1 U	0.71 U	0.79 U
CHLOROFORM	0.27 U	0.25 U	0.28 U	0.34 U	0.24 U	0.27 U
CHLOROMETHANE	0.38 U	0.35 U	0.4 U	0.48 U	0.34 U	0.38 U
CIS-1,2-DICHLOROETHENE	0.33 U	0.31 U	0.35 U	0.42 U	0.3 U	0.33 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.29 U	0.33 U	0.4 U	0.28 U	0.31 U
DIBROMOMETHANE	0.58 U	0.54 U	0.61 U	0.73 U	0.52 U	0.58 U
DICHLORODIFLUOROMETHANE	0.46 U	0.43 U	0.48 U	0.58 U	0.41 U	0.46 U
DIISOPROPYL ETHER	1.4 U	1.3 U	1.5 U	1.7 U	1.2 U	1.4 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.19 U	0.21 U	0.26 U	0.18 U	0.2 U
ETHYLBENZENE	0.24 U	0.22 U	0.25 U	0.3 U	0.21 U	0.24 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-794	SB-794	SB-795	SB-795	SB-795	SB-795
SAMPLE ID	D-SB-794-07	D-SB-794-09	D-SB-795-03	D-SB-795-05	D-SB-795-07	D-SB-795-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)						
HEXACHLOROBUTADIENE	1.1 U	1 U	1.2 U	1.4 U	0.99 U	1.1 U
ISOPROPYLBENZENE	0.15 U	0.14 U	0.15 U	0.19 U	0.13 U	0.15 U
M+P-XYLENES	1.1 U	1 U	1.2 U	1.4 U	0.99 U	1.1 U
METHYL TERT-BUTYL ETHER	0.4 UJ	0.37 UJ	0.42 UJ	0.5 UJ	0.35 UJ	0.4 UJ
METHYLENE CHLORIDE	0.62 U	0.57 U	2.7 B	0.78 U	0.55 U	0.93 B
NAPHTHALENE	0.8 B	0.72 B	0.84 B	1 B	0.16 U	0.8 B
N-BUTYLBENZENE	0.21 U	0.2 U	0.22 U	0.27 U	0.19 U	0.21 U
N-PROPYLBENZENE	0.37 U	0.34 U	0.39 U	0.47 U	0.33 U	0.37 U
O-XYLENE	0.32 U	0.3 U	0.34 U	0.41 U	0.29 U	0.32 U
SEC-BUTYLBENZENE	0.17 U	0.15 U	0.17 U	0.21 U	0.15 U	0.17 U
STYRENE	0.14 U	0.13 U	0.15 U	0.17 U	0.12 U	0.14 U
TERT-AMYL METHYL ETHER	0.34 UJ	0.32 UJ	0.36 UJ	0.43 UJ	0.3 UJ	0.34 U
TERT-BUTYLBENZENE	0.27 U	0.25 U	0.28 U	0.34 U	0.24 U	0.27 U
TERTIARY-BUTYL ALCOHOL	7 UR	45 B	51 B	62 B	43 B	49 B
TETRACHLOROETHENE	0.48 U	0.44 U	0.5 U	0.61 U	0.43 U	0.48 U
TOLUENE	0.25 U	0.23 U	0.26 U	0.31 U	0.22 U	0.25 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.62 U	0.57 U	0.65 U	0.78 U	0.55 U	0.62 U
TRANS-1,2-DICHLOROETHENE	0.38 U	0.35 U	0.4 U	0.48 U	0.34 U	0.38 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.46 U	0.52 U	0.63 U	0.44 U	0.5 U
TRICHLOROETHENE	0.39 U	0.36 U	0.41 U	0.49 U	0.35 U	0.39 U
TRICHLOROFLUOROMETHANE	0.31 U	0.29 U	0.33 U	0.4 U	0.28 U	0.31 U
VINYL ACETATE	0.23 U	0.21 U	0.24 U	0.29 U	0.21 U	0.23 U
VINYL CHLORIDE	0.36 U	0.33 U	0.38 U	0.45 U	0.32 U	0.36 U
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	34 U	31 U	33 U	40 U	34 U	32 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	27 U	25 U	27 U	32 U	27 U	26 U
2,2'-OXYBIS(1-CHLOROPROPANE)	12 U	11 U	12 U	14 U	12 U	11 U
2,4,5-TRICHLOROPHENOL	31 U	29 U	30 U	37 U	31 U	29 U
2,4,6-TRICHLOROPHENOL	99 U	92 U	97 U	120 U	100 U	94 U
2,4-DICHLOROPHENOL	25 U	23 U	24 U	29 U	25 U	24 U
2,4-DIMETHYLPHENOL	25 U	23 U	24 U	29 U	25 U	24 U
2,4-DINITROPHENOL	99 U	92 U	97 U	120 U	100 U	94 U
2,4-DINITROTOLUENE	34 U	31 U	33 U	40 U	34 U	32 U
2,6-DINITROTOLUENE	26 U	24 U	25 U	31 U	26 U	25 U
2-CHLORONAPHTHALENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
2-CHLOROPHENOL	34 U	31 U	33 U	40 U	34 U	32 U
2-METHYLPHENOL	99 U	92 U	97 U	120 U	100 U	94 U
2-NITROANILINE	11 U	10 U	11 U	13 U	11 U	11 U
2-NITROPHENOL	34 U	31 U	33 U	40 U	34 U	32 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	22 U	21 U	22 U	27 U	22 U	21 U
3-NITROANILINE	20 U	18 U	19 U	24 U	20 U	19 U
4,6-DINITRO-2-METHYLPHENOL	99 U	92 U	97 U	120 U	100 U	94 U
4-BROMOPHENYL PHENYL ETHER	16 U	15 U	16 U	19 U	16 U	15 U
4-CHLORO-3-METHYLPHENOL	26 U	24 U	25 U	31 U	26 U	25 U
4-CHLOROANILINE	21 U	20 U	21 U	25 U	21 U	20 U
4-CHLOROPHENYL PHENYL ETHER	16 U	15 U	16 U	19 U	16 U	15 U
4-METHYLPHENOL	99 U	92 U	97 U	120 U	100 U	94 U
4-NITROANILINE	32 U	30 U	31 U	38 U	32 U	31 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-794	SB-794	SB-795	SB-795	SB-795	SB-795
SAMPLE ID	D-SB-794-07	D-SB-794-09	D-SB-795-03	D-SB-795-05	D-SB-795-07	D-SB-795-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)						
4-NITROPHENOL	99 U	92 U	97 U	120 U	100 U	94 U
ACETOPHENONE	11 U	11 U	11 U	14 U	11 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	10 U	11 U	13 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	15 U	14 U	15 U	18 U	15 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	27 U	25 U	27 U	32 U	27 U	26 U
BIS(2-CHLOROETHYL)ETHER	2.5 U	2.3 U	2.4 U	2.9 U	2.5 U	2.4 U
BIS(2-ETHYLHEXYL)PHTHALATE	24 U	23 J	23 J	28 U	24 U	22 U
BUTYL BENZYL PHTHALATE	12 U	12 U	12 U	15 U	36 J	12 U
CAPROLACTAM	46 U	43 U	45 U	55 U	46 U	44 U
CARBAZOLE	34 U	31 U	33 U	40 U	34 U	32 U
DIBENZOFURAN	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
DIETHYL PHTHALATE	20 U	18 U	19 U	24 U	20 U	19 U
DIMETHYL PHTHALATE	21 U	20 U	21 U	25 U	21 U	20 U
DI-N-BUTYL PHTHALATE	19 U	17 U	18 U	22 U	19 U	18 U
DI-N-OCTYL PHTHALATE	34 U	31 U	33 U	40 U	34 U	32 U
HEXACHLOROBENZENE	2.6 U	2.4 U	2.5 U	3.1 U	2.6 U	2.5 U
HEXACHLOROBUTADIENE	34 U	31 U	33 U	40 U	34 U	32 U
HEXACHLOROCYCLOPENTADIENE	34 U	31 U	33 U	40 U	34 U	32 U
HEXACHLOROETHANE	11 U	10 U	11 U	13 U	11 U	11 U
ISOPHORONE	16 U	15 U	16 U	19 U	16 U	15 U
NITROBENZENE	2.7 U	2.5 U	2.7 U	3.2 U	2.7 U	2.6 U
N-NITROSODIMETHYLAMINE	20 U	18 U	19 U	24 U	20 U	19 U
N-NITROSO-DI-N-PROPYLAMINE	34 U	31 U	33 U	40 U	34 U	32 U
N-NITROSODIPHENYLAMINE	26 U	24 U	25 U	31 U	26 U	25 U
PENTACHLOROPHENOL	99 U	92 U	97 U	120 U	100 U	94 U
PHENOL	34 U	31 U	33 U	40 U	34 U	32 U
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
ACENAPHTHENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
ACENAPHTHYLENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
ANTHRACENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
BAP EQUIVALENT-HALFND	4.1 U	3.8 U	19.62065	7.3153	4.1 U	3.9 U
BAP EQUIVALENT-POS	4.1 U	3.8 U	17	1.9	4.1 U	3.9 U
BENZO(A)ANTHRACENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
BENZO(A)PYRENE	4.1 U	3.8 U	17	4.9 U	4.1 U	3.9 U
BENZO(B)FLUORANTHENE	4.1 U	3.8 U	4 U	19	4.1 U	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
BENZO(K)FLUORANTHENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-794	SB-794	SB-795	SB-795	SB-795	SB-795
SAMPLE ID	D-SB-794-07	D-SB-794-09	D-SB-795-03	D-SB-795-05	D-SB-795-07	D-SB-795-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI						
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	1.3 U	1.3 U	1.6 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
FLUORANTHENE	4.1 U	3.8 U	10	10	4.1 U	3.9 U
FLUORENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
INDENO(1,2,3-CD)PYRENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
NAPHTHALENE	4.1 U	3.8 U	11	4.9 U	4.1 U	3.9 U
PHENANTHRENE	4.1 U	3.8 U	9	4.9 U	4.1 U	3.9 U
PYRENE	4.1 U	3.8 U	4 U	4.9 U	4.1 U	3.9 U
TOTAL PAHS	0 U	0 U	47	29	0 U	0 U
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	0.77 U	0.71 U	0.75 UJ	0.91 UJ	0.77 UJ	0.73 UJ
4,4'-DDE	0.48 U	0.45 U	0.47 UJ	0.58 UJ	0.49 UJ	0.46 UJ
4,4'-DDT	0.78 U	0.73 U	0.76 U	0.93 U	0.78 U	0.74 U
ALDRIN	1.5 U	1.4 U	1.5 UJ	1.8 UJ	1.5 UJ	1.4 UJ
ALPHA-BHC	0.91 UJ	0.84 UJ	0.88 UJ	1.1 UJ	0.91 UJ	0.86 UJ
ALPHA-CHLORDANE	1.2 U	1.1 U	1.1 UJ	1.4 UJ	1.2 UJ	1.1 UJ
AROCLOR-1016	26 U	24 U	25 U	31 U	26 U	25 U
AROCLOR-1221	20 U	18 U	19 U	24 U	20 U	19 U
AROCLOR-1232	17 U	16 U	17 U	21 U	17 U	16 U
AROCLOR-1242	16 U	15 U	16 U	19 U	16 U	15 U
AROCLOR-1248	21 U	20 U	21 U	25 U	21 U	20 U
AROCLOR-1254	21 U	20 U	21 U	25 U	21 U	20 U
AROCLOR-1260	21 U	20 U	21 U	25 U	21 U	20 U
BETA-BHC	1.4 U	1.3 U	1.3 UJ	1.6 UJ	1.4 UJ	1.3 UJ
DELTA-BHC	1.5 U	1.4 U	1.5 UJ	1.8 UJ	1.5 UJ	1.4 UJ
DIELDRIN	0.58 U	0.54 U	0.57 U	0.69 U	0.59 U	0.55 U
ENDOSULFAN I	0.65 U	0.6 U	0.63 U	0.77 U	0.65 U	0.61 U
ENDOSULFAN II	1 U	0.95 U	0.99 U	1.2 U	1 U	0.97 U
ENDOSULFAN SULFATE	1.1 U	1 U	1.1 U	1.3 U	1.1 U	1 U
ENDRIN	0.62 U	0.58 U	0.61 U	0.74 U	0.62 U	0.59 U
ENDRIN ALDEHYDE	1.2 U	1.2 U	1.2 U	1.5 U	1.2 U	1.2 U
ENDRIN KETONE	0.78 U	0.73 U	0.76 U	0.93 U	0.78 U	0.74 U
GAMMA-BHC (LINDANE)	0.92 U	0.85 U	0.9 UJ	1.1 UJ	0.92 UJ	0.87 UJ
GAMMA-CHLORDANE	0.52 U	0.48 U	0.51 UJ	0.62 UJ	0.52 UJ	0.49 UJ
HEPTACHLOR	1.4 U	1.3 U	1.3 U	1.6 U	1.4 U	1.3 U
HEPTACHLOR EPOXIDE	0.99 U	0.92 U	0.97 UJ	1.2 UJ	1 UJ	0.94 UJ
METHOXYCHLOR	1.9 U	1.7 U	1.8 U	2.2 U	1.9 U	1.8 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	24 U	22 U	23 U	28 U	24 U	22 U
METALS (MG/KG)						
ANTIMONY	0.3 B	0.075 B	0.29 B	0.087 B	0.24 B	0.3 B
ARSENIC	6.1 J	5.6 J	5.8 J	3.9 J	5.7 J	4.4 J
BARIUM	8.1	11.6	25.3	20.5	23.7	12.6

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-794	SB-794	SB-795	SB-795	SB-795	SB-795
SAMPLE ID	D-SB-794-07	D-SB-794-09	D-SB-795-03	D-SB-795-05	D-SB-795-07	D-SB-795-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9
METALS (CONTINUED) (MG/KG)						
BERYLLIUM	1.1 J	0.46 J	6.6 J	0.97 J	4.2 J	1.3 J
CADMIUM	0.0097 UL	0.009 UL	0.042 B	0.015 B	0.11 B	0.012 B
CHROMIUM	29.7 J	8.1 J	25.6 J	16.7 J	20.9 J	21.7 J
COBALT	6 J	3 J	27.3 J	6.7 J	20.7 J	7.7 J
COPPER	29.7 J	6.6 J	40.9 J	18.1 J	32.9 J	16.6 J
IRON	46500 J	4650 J	39700 J	20800 J	37200 J	27300 J
LEAD	4.6	4.1	12.4	8.2	10.5	6.4
MANGANESE	44.9 J	5.9 J	110 J	28.1 J	74.5 J	74 J
MERCURY	0.019 U	0.017 U	0.018 U	0.022 U	0.023 J	0.018 U
MOLYBDENUM	0.57	0.073 U	0.45	0.86	0.39	0.41
NICKEL	16.7 J	4.7 J	53.2 J	13.3 J	42.5 J	20.2 J
SELENIUM	0.63 L	2.1 L	4.1 L	0.69 J	4.1 L	1.4 L
SILVER	0.02 U	0.018 U	0.028 B	0.024 U	0.034 B	0.019 U
THALLIUM	0.036 J	0.11 J	0.079 J	0.084 J	0.09 J	0.08 J
VANADIUM	55 J	7.9 J	42.7 J	33.3 J	32.7 J	38.5 J
ZINC	19.2 L	7 L	123 L	28.1 L	108 L	24.6 L
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	5100 J	3200 UJ	11000 J	33000	4200 J	5300 J
GASOLINE RANGE ORGANICS	57 U	53 UJ	56 UJ	68 UJ	57 UJ	54 UJ
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	0.45 J	0.33 J	0.43 J	0.51 J	0.34 U	0.32 U
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-796	SB-796	SB-796	SB-796
SAMPLE ID	D-SB-796-03	D-SB-796-05	D-SB-796-07	D-SB-796-09
SAMPLE DATE	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
VOLATILES (UG/KG)				
1,1,1,2-TETRACHLOROETHANE	0.48 U	0.61 U	0.59 U	0.55 U
1,1,1-TRICHLOROETHANE	0.43 U	0.55 U	0.53 U	0.5 U
1,1,2,2-TETRACHLOROETHANE	0.26 U	0.33 U	0.32 U	0.3 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1 U	1.3 U	1.2 U	1.2 U
1,1-DICHLOROETHANE	0.28 U	0.35 U	0.34 U	0.32 U
1,1-DICHLOROETHENE	0.4 U	0.51 U	0.49 U	0.46 U
1,1-DICHLOROPROPENE	0.23 U	0.3 U	0.28 U	0.27 U
1,2,3-TRICHLOROBENZENE	0.29 U	0.37 U	0.36 U	0.34 U
1,2,3-TRICHLOROPROPANE	0.69 U	0.89 U	0.85 U	0.8 U
1,2,3-TRIMETHYLBENZENE	0.13 U	0.17 U	0.16 U	0.15 U
1,2,4-TRICHLOROBENZENE	0.21 U	0.27 U	0.26 U	0.24 U
1,2,4-TRIMETHYLBENZENE	0.5 U	0.64 U	0.61 U	0.58 U
1,2-DIBROMO-3-CHLOROPROPANE	1 U	1.3 U	1.2 U	1.2 U
1,2-DIBROMOETHANE	0.38 U	0.49 U	0.47 U	0.45 U
1,2-DICHLOROBENZENE	0.28 U	0.35 U	0.34 U	0.32 U
1,2-DICHLOROETHANE	0.26 U	0.33 U	0.32 U	0.3 U
1,2-DICHLOROPROPANE	0.53 U	0.68 U	0.65 U	0.62 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.27 U	0.34 U	0.33 U	0.31 U
1,3-DICHLOROPROPANE	0.26 U	0.33 U	0.32 U	0.3 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.51 U	0.65 U	0.62 U	0.59 U
1,4-DIOXANE	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.72 U	0.93 U	0.89 U	0.84 U
2-BUTANONE	2.7 J	8.1 J	1.3 U	1.3 J
2-CHLOROETHYL VINYL ETHER	1.1 U	1.4 U	1.3 U	1.2 U
2-CHLOROTOLUENE	0.31 U	0.39 U	0.38 U	0.36 U
2-HEXANONE	0.48 U	0.62 U	0.6 U	0.56 U
4-CHLOROTOLUENE	0.31 U	0.4 U	0.39 U	0.37 U
4-ISOPROPYLTOLUENE	0.16 U	0.21 U	0.2 U	0.19 U
4-METHYL-2-PENTANONE	0.41 U	0.53 U	0.51 U	0.48 U
ACETONE	35 B	88 B	16 B	6.2 B
BENZENE	0.18 U	0.23 U	0.22 U	0.21 U
BROMOBENZENE	0.25 U	0.32 U	0.31 U	0.29 U
BROMOCHLOROMETHANE	0.54 U	0.7 U	0.67 U	0.63 U
BROMODICHLOROMETHANE	0.21 U	0.28 U	0.26 U	0.25 U
BROMOFORM	0.25 U	0.32 U	0.31 U	0.29 U
BROMOMETHANE	0.41 U	0.53 U	0.51 U	0.48 U
CARBON DISULFIDE	0.78 B	1.5 B	0.88 B	0.81 B
CARBON TETRACHLORIDE	0.28 U	0.36 U	0.35 U	0.33 U
CHLOROBENZENE	0.25 U	0.32 U	0.31 U	0.29 U
CHLORODIBROMOMETHANE	0.42 U	0.54 U	0.52 U	0.49 U
CHLOROETHANE	0.66 U	0.85 U	0.81 U	0.77 U
CHLOROFORM	0.22 U	0.29 U	0.27 U	0.26 U
CHLOROMETHANE	0.31 U	0.4 U	0.39 U	0.37 U
CIS-1,2-DICHLOROETHENE	0.28 U	0.35 U	0.34 U	0.32 U
CIS-1,3-DICHLOROPROPENE	0.26 U	0.33 U	0.32 U	0.3 U
DIBROMOMETHANE	0.48 U	0.62 U	0.6 U	0.56 U
DICHLORODIFLUOROMETHANE	0.38 U	0.49 U	0.47 U	0.45 U
DIISOPROPYL ETHER	1.2 U	1.5 U	1.4 U	1.3 U
ETHYL TERT-BUTYL ETHER	0.17 U	0.22 U	0.21 U	0.2 U
ETHYLBENZENE	0.2 U	0.26 U	0.25 U	0.23 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-796	SB-796	SB-796	SB-796
SAMPLE ID	D-SB-796-03	D-SB-796-05	D-SB-796-07	D-SB-796-09
SAMPLE DATE	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
VOLATILES (CONTINUED) (UG/KG)				
HEXACHLOROBUTADIENE	0.92 U	1.2 U	1.1 U	1.1 U
ISOPROPYLBENZENE	0.12 U	0.16 U	0.15 U	0.14 U
M+P-XYLENES	0.92 U	1.2 U	1.1 U	1.1 U
METHYL TERT-BUTYL ETHER	0.33 UJ	0.42 UJ	0.41 UJ	0.38 UJ
METHYLENE CHLORIDE	0.75 B	0.98 B	1 B	1 B
NAPHTHALENE	0.7 B	0.83 B	0.83 B	0.77 B
N-BUTYLBENZENE	0.18 U	0.23 U	0.22 U	0.21 U
N-PROPYLBENZENE	0.31 U	0.39 U	0.38 U	0.36 U
O-XYLENE	0.27 U	0.34 U	0.33 U	0.31 U
SEC-BUTYLBENZENE	0.14 U	0.18 U	0.17 U	0.16 U
STYRENE	0.12 U	0.15 U	0.14 U	0.13 U
TERT-AMYL METHYL ETHER	0.28 U	0.36 U	0.35 U	0.33 U
TERT-BUTYLBENZENE	0.22 U	0.29 U	0.27 U	0.26 U
TERTIARY-BUTYL ALCOHOL	41 B	52 B	50 B	47 B
TETRACHLOROETHENE	0.4 U	0.51 U	0.49 U	0.46 U
TOLUENE	0.21 U	0.27 U	0.26 U	0.24 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA
TOTAL XYLENES	0.51 U	0.66 U	0.63 U	0.6 U
TRANS-1,2-DICHLOROETHENE	0.31 U	0.4 U	0.39 U	0.37 U
TRANS-1,3-DICHLOROPROPENE	0.41 U	0.53 U	0.51 U	0.48 U
TRICHLOROETHENE	0.32 U	0.41 U	0.4 U	0.37 U
TRICHLOROFLUOROMETHANE	0.26 U	0.33 U	0.32 U	0.3 U
VINYL ACETATE	0.19 U	0.25 U	0.24 U	0.22 U
VINYL CHLORIDE	0.3 U	0.38 U	0.37 U	0.35 U
SEMIVOLATILES (UG/KG)				
1,1-BIPHENYL	31 U	37 U	32 U	31 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	26 U	30 U	26 U	25 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	13 U	11 U	11 U
2,4,5-TRICHLOROPHENOL	29 U	34 U	29 U	29 U
2,4,6-TRICHLOROPHENOL	93 U	110 U	93 U	93 U
2,4-DICHLOROPHENOL	23 U	27 U	23 U	23 U
2,4-DIMETHYLPHENOL	23 U	27 U	23 U	23 U
2,4-DINITROPHENOL	93 U	110 U	93 U	93 U
2,4-DINITROTOLUENE	31 U	37 U	32 U	31 U
2,6-DINITROTOLUENE	24 U	29 U	25 U	24 U
2-CHLORONAPHTHALENE	3.8 U	4.5 U	3.9 U	3.8 U
2-CHLOROPHENOL	31 U	37 U	32 U	31 U
2-METHYLPHENOL	93 U	110 U	93 U	93 U
2-NITROANILINE	11 U	12 U	11 U	11 U
2-NITROPHENOL	31 U	37 U	32 U	31 U
3&4-METHYLPHENOL	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	21 U	25 U	21 U	21 U
3-NITROANILINE	19 U	22 U	19 U	19 U
4,6-DINITRO-2-METHYLPHENOL	93 U	110 U	93 U	93 U
4-BROMOPHENYL PHENYL ETHER	15 U	18 U	15 U	15 U
4-CHLORO-3-METHYLPHENOL	24 U	29 U	25 U	24 U
4-CHLOROANILINE	20 U	23 U	20 U	20 U
4-CHLOROPHENYL PHENYL ETHER	15 U	18 U	15 U	15 U
4-METHYLPHENOL	93 U	110 U	93 U	93 U
4-NITROANILINE	30 U	36 U	30 U	30 U

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-796	SB-796	SB-796	SB-796
SAMPLE ID	D-SB-796-03	D-SB-796-05	D-SB-796-07	D-SB-796-09
SAMPLE DATE	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
SEMIVOLATILES (CONTINUED) (UG/KG)				
4-NITROPHENOL	93 U	110 U	93 U	93 U
ACETOPHENONE	11 U	13 U	11 U	11 U
ANILINE	NA	NA	NA	NA
ATRAZINE	11 U	12 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA
BENZALDEHYDE	14 U	16 U	14 U	14 U
BENZIDINE	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	26 U	30 U	26 U	25 U
BIS(2-CHLOROETHYL)ETHER	2.3 U	2.7 U	2.3 U	2.3 U
BIS(2-ETHYLHEXYL)PHTHALATE	22 U	27 J	22 U	22 U
BUTYL BENZYL PHTHALATE	12 U	14 U	12 U	12 U
CAPROLACTAM	43 U	51 U	43 U	43 U
CARBAZOLE	31 U	37 U	32 U	31 U
DIBENZOFURAN	3.8 U	4.5 U	3.9 U	3.8 U
DIETHYL PHTHALATE	19 U	22 U	19 U	19 U
DIMETHYL PHTHALATE	20 U	23 U	20 U	20 U
DI-N-BUTYL PHTHALATE	17 U	21 U	18 U	17 U
DI-N-OCTYL PHTHALATE	31 U	37 U	32 U	31 U
HEXACHLOROBENZENE	2.4 U	2.9 U	2.5 U	2.4 U
HEXACHLOROBUTADIENE	31 U	37 U	32 U	31 U
HEXACHLOROCYCLOPENTADIENE	31 U	37 U	32 U	31 U
HEXACHLOROETHANE	10 U	12 U	11 U	10 U
ISOPHORONE	15 U	18 U	15 U	15 U
NITROBENZENE	2.6 U	3 U	2.6 U	2.5 U
N-NITROSODIMETHYLAMINE	19 U	22 U	19 U	19 U
N-NITROSO-DI-N-PROPYLAMINE	31 U	37 U	32 U	31 U
N-NITROSODIPHENYLAMINE	24 U	29 U	25 U	24 U
PENTACHLOROPHENOL	93 U	110 U	93 U	93 U
PHENOL	31 U	37 U	32 U	31 U
PYRIDINE	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.8 U	4.5 U	3.9 U	3.8 U
ACENAPHTHENE	3.8 U	4.5 U	3.9 U	3.8 U
ACENAPHTHYLENE	3.8 U	4.5 U	3.9 U	3.8 U
ANTHRACENE	3.8 U	4.5 U	3.9 U	3.8 U
BAP EQUIVALENT-HALFND	74.721	4.5 U	3.9 U	3.8 U
BAP EQUIVALENT-POS	72.821	4.5 U	3.9 U	3.8 U
BENZO(A)ANTHRACENE	36	4.5 U	3.9 U	3.8 U
BENZO(A)PYRENE	58	4.5 U	3.9 U	3.8 U
BENZO(B)FLUORANTHENE	66	4.5 U	3.9 U	3.8 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	33	4.5 U	3.9 U	3.8 U
BENZO(K)FLUORANTHENE	28	4.5 U	3.9 U	3.8 U
C1-CHRYSENES	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-796	SB-796	SB-796	SB-796
SAMPLE ID	D-SB-796-03	D-SB-796-05	D-SB-796-07	D-SB-796-09
SAMPLE DATE	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUEI				
C2-NAPHTHALENES	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
CHRYSENE	41	1.5 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	3.8 U	4.5 U	3.9 U	3.8 U
FLUORANTHENE	42	4.5 U	3.9 U	3.8 U
FLUORENE	3.8 U	4.5 U	3.9 U	3.8 U
INDENO(1,2,3-CD)PYRENE	43	4.5 U	3.9 U	3.8 U
NAPHTHALENE	3.8 U	4.5 U	3.9 U	3.8 U
PHENANTHRENE	18	4.5 U	3.9 U	3.8 U
PYRENE	37	4.5 U	3.9 U	3.8 U
TOTAL PAHS	402	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)				
4,4'-DDD	1.4 U	4.2 U	0.72 U	0.72 U
4,4'-DDE	0.91 U	2.7 U	0.46 U	0.45 U
4,4'-DDT	1.5 U	4.3 U	0.74 U	0.73 U
ALDRIN	2.8 U	8.2 U	1.4 U	1.4 U
ALPHA-BHC	1.7 U	5 U	0.85 U	0.85 U
ALPHA-CHLORDANE	2.2 U	6.4 U	1.1 U	1.1 U
AROCLOR-1016	24 U	29 U	25 U	24 U
AROCLOR-1221	19 U	22 U	19 U	19 U
AROCLOR-1232	16 U	19 U	16 U	16 U
AROCLOR-1242	15 U	18 U	15 U	15 U
AROCLOR-1248	20 U	23 U	20 U	20 U
AROCLOR-1254	20 U	23 U	20 U	20 U
AROCLOR-1260	20 U	23 U	20 U	20 U
BETA-BHC	2.6 U	7.5 U	1.3 U	1.3 U
DELTA-BHC	2.8 U	8.2 U	1.4 U	1.4 U
DIELDRIN	1.1 U	3.2 U	0.55 U	0.54 U
ENDOSULFAN I	1.2 U	3.6 U	0.61 U	0.6 U
ENDOSULFAN II	1.9 U	5.6 U	0.96 U	0.95 U
ENDOSULFAN SULFATE	2 U	5.9 U	1 U	1 U
ENDRIN	1.2 U	3.4 U	0.58 U	0.58 U
ENDRIN ALDEHYDE	2.3 U	6.8 U	1.2 U	1.2 U
ENDRIN KETONE	1.5 U	4.3 U	0.74 U	0.73 U
GAMMA-BHC (LINDANE)	1.7 U	5.1 U	0.86 U	0.86 U
GAMMA-CHLORDANE	0.98 U	2.9 U	0.49 U	0.49 U
HEPTACHLOR	2.6 U	7.5 U	1.3 U	1.3 U
HEPTACHLOR EPOXIDE	1.9 U	5.5 U	0.93 U	0.93 U
METHOXYCHLOR	3.5 U	10 U	1.8 U	1.7 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U
TOXAPHENE	44 U	130 U	22 U	22 U
METALS (MG/KG)				
ANTIMONY	0.19 J	0.2 J	0.21 J	0.19 J
ARSENIC	3.4	9.4	3.1	4.3
BARIUM	38.2	32.5	9.8	11.4

Table A-3
Summary of Analytical Results for Subsurface Soils, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-796	SB-796	SB-796	SB-796
SAMPLE ID	D-SB-796-03	D-SB-796-05	D-SB-796-07	D-SB-796-09
SAMPLE DATE	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	3	5	7	9
BOTTOM DEPTH	3	5	7	9
METALS (CONTINUED) (MG/KG)				
BERYLLIUM	1.3	2.3	1.3	2.3
CADMIUM	0.24	0.016 B	0.016 B	0.025 B
CHROMIUM	15.3	32.2	15.8	22.7
COBALT	9.3	6.7	3.5	8.9
COPPER	16.7	51.9	17.4	30.3
IRON	15400	50200	28100	36700
LEAD	17.1	9.6	3.4	3.3
MANGANESE	44.6	23.5	20	20.9
MERCURY	0.51	0.021 U	0.018 U	0.017 U
MOLYBDENUM	0.4	1.2	0.57	0.78
NICKEL	17.3	12.1	10.1	28.3
SELENIUM	1.3	1.6	1.3	1.4
SILVER	0.31	0.038 J	0.019 U	0.019 U
THALLIUM	0.065 B	0.13 B	0.053 B	0.057 B
VANADIUM	24.8	57.6	41.8	68.5
ZINC	95.4	44.8	10.3	27
PETROLEUM HYDROCARBONS (UG/KG)				
DIESEL RANGE ORGANICS	160000	57000	5600 J	5600 J
GASOLINE RANGE ORGANICS	53 U	63 U	54 U	53 U
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	0.31 U	0.37 U	0.32 U	0.37 J
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-031 SB-31-05 20031118 NORMAL SO NORMAL SB 5 5	SB-032 SB-32-05 20031121 NORMAL SO NORMAL SB 5 5	SB-033 SB-33-05 20031121 NORMAL SO NORMAL SB 5 5	SB-057 F-SB-57RE-10 20090917 NORMAL SO NORMAL SB 10 10	SB-057 F-SB-57RE-3 20090917 NORMAL SO NORMAL SB 3 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	6 U	7 U	7 U	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	7 U	7 U	NA	NA
2-BUTANONE	4700000	2800000	N	59 U	13 J	6 J	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		6 U	7 U	7 U	NA	NA
ACETONE	7000000	6100000	N	59 U	77 J	59 J	NA	NA
BENZENE	12000	1100	C	6 U	7 U	7 U	NA	NA
BROMOMETHANE	11000	730	N	6 U	7 U	7 U	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	7 U	7 U	NA	NA
ETHYLBENZENE	780000	5400	C	6 U	7 U	7 U	NA	NA
ISOPROPYLBENZENE	780000	210000	N	6 U	7 U	7 U	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	18 U	20 U	20 U	NA	NA
METHYLENE CHLORIDE	85000	11000	C	5 J	12 J	11 J	NA	NA
NAPHTHALENE	160000	3600	C	6 U	7 U	7 U	NA	NA
N-PROPYLBENZENE	NC	340000	N	6 U	7 U	7 U	NA	NA
O-XYLENE	1600000 [4]	380000	N	18 U	20 U	20 U	NA	NA
TOLUENE	630000	500000	N	6 U	7 U	7 U	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	400 U	450 U	450 U	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	400 U	450 U	450 U	NA	NA
CARBAZOLE	32000	NC		400 U	450 U	120 J	NA	NA
DIBENZOFURAN	7800	7800	N	400 U	450 U	65 J	NA	NA
DIMETHYL PHTHALATE	NC	NC		400 U	450 U	450 U	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	400 U	450 U	450 U	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		400 U	450 U	450 U	NA	NA
PHENOL	2300000	1800000	N	400 U	450 U	450 U	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	400 U	450 U	450 U	NA	NA
ACENAPHTHENE	470000	340000	N	400 U	110 J	110 J	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	400 U	450 U	450 U	NA	NA
ANTHRACENE	2300000	1700000	N	400 U	84 J	260 J	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	400 U	**441**	**944**	1.7 U	1.4 U
BAP EQUIVALENT-POS	22	15	C	400 U	**216**	**696**	1.7 U	1.4 U
BENZO(A)ANTHRACENE	220	150	C	400 U	**190 J**	**640**	1.2 U	1 U
BENZO(A)PYRENE	22	15	C	400 U	**170 J**	**570**	1.7 U	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	400 U	**170 J**	**560**	1.6 U	1.3 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	400 U	450 U	220 J	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	400 U	180 J	580	2.2 U	1.8 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-031	SB-032	SB-033	SB-057	SB-057
SAMPLE ID				SB-31-05	SB-32-05	SB-33-05	F-SB-57RE-10	F-SB-57RE-3
SAMPLE DATE				20031118	20031121	20031121	20090917	20090917
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	5	5	10	3
BOTTOM DEPTH				5	5	5	10	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	400 U	200 J	610	1.2 U	0.98 U
DIBENZO(A,H)ANTHRACENE	22	15	C	400 U	450 U	450 U	1.7 U	1.4 U
FLUORANTHENE	310000	230000	N	400 U	430 J	1000	NA	NA
FLUORENE	310000	230000	N	400 U	83 J	150 J	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	400 U	79 J	450 U	2 U	1.6 U
NAPHTHALENE	160000	3600	C	400 U	95 J	450 U	NA	NA
PHENANTHRENE	2300000	170000	N[7]	400 U	380 J	910	NA	NA
PYRENE	230000	170000	N	400 U	450	1000	NA	NA
TOTAL PAHS	NC	NC		0 U	2621	6610	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	59 U	67 U	68 U	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	3 UL	3.4 UL	3.4 UL	NA	NA
ARSENIC	0.43	0.39	C	0.59 UR	**2.5 L**	**4.9 L**	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	4.9	3.4 U	3.4 U	NA	NA
CADMIUM	3.9	7	N	3 U	3.4 U	3.4 U	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	27 L	18 J	23 J	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	22	33	54	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		24 L	68	120	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.12 U	1.7	**3.3**	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	46 L	22	23	NA	NA
SELENIUM	39	39	N	11 L	3.4 U	3.4 U	NA	NA
SILVER	39	39	N	3 U	3.4 UR	3.4 UR	NA	NA
THALLIUM	0.55	NC		2.4 UL	2.7 U	2.7 U	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	130 J	140	180	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		24000 U	43000	27000 U	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		120 U	130 U	140 U	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		84	74	73	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-057 F-SB-57RE-4 20090917 NORMAL SO NORMAL SB 4 4	SB-057 F-SB-57RE-5 20090917 NORMAL SO NORMAL SB 5 5	SB-057 F-SB-57RE-6 20090917 NORMAL SO NORMAL SB 6 6	SB-057 F-SB-57RE-7 20090917 NORMAL SO NORMAL SB 7 7	SB-057 F-SB-57RE-8 20090917 NORMAL SO NORMAL SB 8 8
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-057 F-SB-57RE-4 20090917 NORMAL SO NORMAL SB 4 4	SB-057 F-SB-57RE-5 20090917 NORMAL SO NORMAL SB 5 5	SB-057 F-SB-57RE-6 20090917 NORMAL SO NORMAL SB 6 6	SB-057 F-SB-57RE-7 20090917 NORMAL SO NORMAL SB 7 7	SB-057 F-SB-57RE-8 20090917 NORMAL SO NORMAL SB 8 8
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.8 U	1.8 U	1.9 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-057 F-SB-57RE-9 20090917 NORMAL SO NORMAL SB 9 9	SB-057 SB-57-05 20040913 NORMAL SO NORMAL SB 5 5	SB-057 SB-57-10 20040913 NORMAL SO NORMAL SB 10 10	SB-058 F-SB-58RE-10 20090917 NORMAL SO NORMAL SB 10 10	SB-058 F-SB-58RE-3 20090917 NORMAL SO NORMAL SB 3 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	6 U	6 U	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	6 U	6 U	NA	NA
2-BUTANONE	4700000	2800000	N	NA	56 U	64 U	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	6 U	6 U	NA	NA
ACETONE	7000000	6100000	N	NA	56 U	64 U	NA	NA
BENZENE	12000	1100	C	NA	6 U	6 U	NA	NA
BROMOMETHANE	11000	730	N	NA	6 U	6 U	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	6 U	6 U	NA	NA
ETHYLBENZENE	780000	5400	C	NA	6 U	6 U	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	6 U	6 U	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	11 U	13 U	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	6 U	6 U	NA	NA
NAPHTHALENE	160000	3600	C	NA	6 U	6 U	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	6 U	6 U	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	6 U	6 U	NA	NA
TOLUENE	630000	500000	N	NA	6 U	6 U	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	370 U	430 U	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	370 U	430 U	NA	NA
CARBAZOLE	32000	NC		NA	370 U	430 U	NA	NA
DIBENZOFURAN	7800	7800	N	NA	370 U	430 U	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	370 U	430 U	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	370 U	430 U	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	370 U	430 U	NA	NA
PHENOL	2300000	1800000	N	NA	370 U	670	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	370 U	430 U	NA	NA
ACENAPHTHENE	470000	340000	N	NA	370 U	430 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	370 U	430 U	NA	NA
ANTHRACENE	2300000	1700000	N	NA	370 U	430 U	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	370 U	430 U	**41.6**	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	370 U	430 U	**40.7**	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	370 U	430 U	35	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	370 U	430 U	**30**	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	370 U	430 U	42	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	370 U	430 U	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	370 U	430 U	17	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-057	SB-057	SB-057	SB-058	SB-058
SAMPLE ID				F-SB-57RE-9	SB-57-05	SB-57-10	F-SB-58RE-10	F-SB-58RE-3
SAMPLE DATE				20090917	20040913	20040913	20090917	20090917
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				9	5	10	10	3
BOTTOM DEPTH				9	5	10	10	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	370 U	430 U	40	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	370 U	430 U	1.8 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	370 U	430 U	NA	NA
FLUORENE	310000	230000	N	NA	370 U	430 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	370 U	430 U	28	1.8 U
NAPHTHALENE	160000	3600	C	NA	370 U	430 U	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	370 U	430 U	NA	NA
PYRENE	230000	170000	N	NA	370 U	430 U	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	192	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	22 U	NA	NA	NA
AROCLOR-1260	320	220	C	NA	280 U	320 U	NA	NA
BETA-BHC	350	270	C	NA	22 U	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	0 U	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	2.7 UR	3.1 UR	NA	NA
ARSENIC	0.43	0.39	C	NA	**0.65 L**	**1.8 L**	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	2.7 U	3.1 U	NA	NA
CADMIUM	3.9	7	N	NA	2.7 UL	3.1 UL	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	8.6 L	9.5 L	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	16	6.4	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	3.2 J	3.7 J	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	0.11 UL	0.12 UL	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	2.7 U	3.8 K	NA	NA
SELENIUM	39	39	N	NA	2.7 UL	3.1 UL	NA	NA
SILVER	39	39	N	NA	2.7 UR	3.1 UR	NA	NA
THALLIUM	0.55	NC		NA	2.2 UL	2.4 UL	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	27 UL	31 UL	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	11000 U	12000 U	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	110 U	130 U	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058 F-SB-58RE-4 20090917 NORMAL SO NORMAL SB 4 4	SB-058 F-SB-58RE-5 20090917 NORMAL SO NORMAL SB 5 5	SB-058 F-SB-58RE-6 20090917 NORMAL SO NORMAL SB 6 6	SB-058 F-SB-58RE-7 20090917 NORMAL SO NORMAL SB 7 7	SB-058 F-SB-58RE-8 20090917 ORIG SO NORMAL SB 8 8
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	1.5 U	1.5 U	158	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	157	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	98	1.2 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	120	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	180	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	1.9 U	2 U	77	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-058 F-SB-58RE-4 20090917 NORMAL SO NORMAL SB 4 4**	**SB-058 F-SB-58RE-5 20090917 NORMAL SO NORMAL SB 5 5**	**SB-058 F-SB-58RE-6 20090917 NORMAL SO NORMAL SB 6 6**	**SB-058 F-SB-58RE-7 20090917 NORMAL SO NORMAL SB 7 7**	**SB-058 F-SB-58RE-8 20090917 ORIG SO NORMAL SB 8 8**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1 U	1 U	1 U	98	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	1.7 U	87	1.9 UJ
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	660	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058 F-SB-58RE-8-AVG 20090917 AVG SO NORMAL SB 8 8	SB-058 F-SB-58RE-8-D 20090917 DUP SO NORMAL SB 8 8	SB-058 F-SB-58RE-9 20090917 NORMAL SO NORMAL SB 9 9	SB-058 SB-58-05 20040913 NORMAL SO NORMAL SB 5 5	SB-058 SB-58-10 20040913 NORMAL SO NORMAL SB 10 10
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	6 U	6 U
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	6 U	6 U
2-BUTANONE	4700000	2800000	N	NA	NA	NA	63 U	63 U
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	6 U	6 U
ACETONE	7000000	6100000	N	NA	NA	NA	63 U	63 U
BENZENE	12000	1100	C	NA	NA	NA	6 U	6 U
BROMOMETHANE	11000	730	N	NA	NA	NA	6 U	6 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	6 U	6 U
ETHYLBENZENE	780000	5400	C	NA	NA	NA	6 U	6 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	6 U	6 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	13 U	13 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	6 U	6 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	6 U	6 U
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	6 U	6 U
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	6 U	6 U
TOLUENE	630000	500000	N	NA	NA	NA	6 U	6 U
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	420 U	420 U
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	420 U	420 U
CARBAZOLE	32000	NC		NA	NA	NA	420 U	420 U
DIBENZOFURAN	7800	7800	N	NA	NA	NA	420 U	420 U
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	62 J	420 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	420 U	420 U
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	420 U	420 U
PHENOL	2300000	1800000	N	NA	NA	NA	420 U	690
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	420 U	420 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	420 U	420 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	420 U	420 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	420 U	420 U
BAP EQUIVALENT-HALFND	22	15	C	6.2	11.6	**438**	**331**	420 U
BAP EQUIVALENT-POS	22	15	C	5.8	10.7	**437**	**100**	420 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	**290**	99 J	420 U
BENZO(A)PYRENE	22	15	C	4.9	9	**340**	**83 J**	420 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	**460**	66 J	420 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	420 U	420 U
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	180	86 J	420 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058 F-SB-58RE-8-AVG 20090917 AVG SO NORMAL SB 8 8	SB-058 F-SB-58RE-8-D 20090917 DUP SO NORMAL SB 8 8	SB-058 F-SB-58RE-9 20090917 NORMAL SO NORMAL SB 9 9	SB-058 SB-58-05 20040913 NORMAL SO NORMAL SB 5 5	SB-058 SB-58-10 20040913 NORMAL SO NORMAL SB 10 10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.1 U	310	100 J	420 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.5 U	420 U	420 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	150 J	420 U
FLUORENE	310000	230000	N	NA	NA	NA	420 U	420 U
INDENO(1,2,3-CD)PYRENE	220	150	C	8.975	17 J	**200**	420 U	420 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	420 U	420 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	80 J	420 U
PYRENE	230000	170000	N	NA	NA	NA	140 J	420 U
TOTAL PAHS	NC	NC		13	26	1780	804	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	25 U	NA
AROCLOR-1260	320	220	C	NA	NA	NA	310 U	310 U
BETA-BHC	350	270	C	NA	NA	NA	25 U	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	3.1 UR	2.9 UR
ARSENIC	0.43	0.39	C	NA	NA	NA	**2.3 L**	**4.1 L**
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	3.1 U	2.9 U
CADMIUM	3.9	7	N	NA	NA	NA	3.1 UL	2.9 UL
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	19 L	15 L
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	13	21
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	9.3 J	7.9 J
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	0.12 UL	0.11 UL
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	8.6	18
SELENIUM	39	39	N	NA	NA	NA	3.1 UL	2.9 UL
SILVER	39	39	N	NA	NA	NA	3.1 UR	2.9 UR
THALLIUM	0.55	NC		NA	NA	NA	2.5 UL	2.3 UL
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	68 J	41 J
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	13000 U	13000 U
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	130 U	130 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058A F-SB-58REA-10 20091103 NORMAL SO NORMAL SB 10 10	SB-058A F-SB-58REA-4 20091103 NORMAL SO NORMAL SB 4 4	SB-058A F-SB-58REA-6 20091103 NORMAL SO NORMAL SB 6 6	SB-058A F-SB-58REA-8 20091103 NORMAL SO NORMAL SB 8 8	SB-058B F-SB-58REB-10 20091103 NORMAL SO NORMAL SB 10 10
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**27.2**	**15.9155**	**121**	**29.8**	**15.7**
BAP EQUIVALENT-POS	22	15	C	**26.4**	**15.015**	**121**	**29.0**	14.6
BENZO(A)ANTHRACENE	220	150	C	11	15	74	22	13
BENZO(A)PYRENE	22	15	C	**20**	12	**73**	**22**	12
BENZO(B)FLUORANTHENE	220	150	C	30	15	84	35	13
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.1 U	26	9.7	2.6 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-058A F-SB-58REA-10 20091103 NORMAL SO NORMAL SB 10 10**	**SB-058A F-SB-58REA-4 20091103 NORMAL SO NORMAL SB 4 4**	**SB-058A F-SB-58REA-6 20091103 NORMAL SO NORMAL SB 6 6**	**SB-058A F-SB-58REA-8 20091103 NORMAL SO NORMAL SB 8 8**	**SB-058B F-SB-58REB-10 20091103 NORMAL SO NORMAL SB 10 10**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	15	15	82	29	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	27	1.6 U	2 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	23	1.8 U	47	12	2.3 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		99	57	413	129.7	38
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058B F-SB-58REB-4 20091103 ORIG SO NORMAL SB 4 4	SB-058B F-SB-58REB-4-AVG 20091103 AVG SO NORMAL SB 4 4	SB-058B F-SB-58REB-4-D 20091103 DUP SO NORMAL SB 4 4	SB-058B F-SB-58REB-6 20091103 NORMAL SO NORMAL SB 6 6	SB-058B F-SB-58REB-8 20091103 NORMAL SO NORMAL SB 8 8
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**40.6**	**29.8**	**19.1**	**84.8**	2.7
BAP EQUIVALENT-POS	22	15	C	**39.8**	**29.1**	**18.3**	**84.8**	0.9
BENZO(A)ANTHRACENE	220	150	C	23	18.5	14	60	1.1 U
BENZO(A)PYRENE	22	15	C	**30**	**22**	14	**58**	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	44	30.5	17	77	9
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	12	11.5	11	30	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058B	SB-058B	SB-058B	SB-058B	SB-058B
SAMPLE ID				F-SB-58REB-4	F-SB-58REB-4-AVG	F-SB-58REB-4-D	F-SB-58REB-6	F-SB-58REB-8
SAMPLE DATE				20091103	20091103	20091103	20091103	20091103
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				4	4	4	6	8
BOTTOM DEPTH				4	4	4	6	8
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	21	18	15	65	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	9.3	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	30	20.5	11	34	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		160	121	82	333.3	9
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058C	SB-058C	SB-058C	SB-058C	SB-058D
SAMPLE ID				F-SB-58REC-10	F-SB-58REC-4	F-SB-58REC-6	F-SB-58REC-8	F-SB-58RED-10
SAMPLE DATE				20091103	20091103	20091103	20091103	20091103
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				10	4	6	8	10
BOTTOM DEPTH				10	4	6	8	10
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**16.7**	**25.0**	**43.6**	4.9	**16.7**
BAP EQUIVALENT-POS	22	15	C	**15.7**	**24.2**	**42.8**	3.2	**15.8**
BENZO(A)ANTHRACENE	220	150	C	1.2 U	7.8 J	23	8.4	1.1 U
BENZO(A)PYRENE	22	15	C	14	**19**	**33**	1.6 U	14
BENZO(B)FLUORANTHENE	220	150	C	17	23	44	23	18
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	2 U	12	2.1 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058C	SB-058C	SB-058C	SB-058C	SB-058D
SAMPLE ID				F-SB-58REC-10	F-SB-58REC-4	F-SB-58REC-6	F-SB-58REC-8	F-SB-58RED-10
SAMPLE DATE				20091103	20091103	20091103	20091103	20091103
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				10	4	6	8	10
BOTTOM DEPTH				10	4	6	8	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	10	23	13	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	21	30	1.9 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		31	80.8	165	44.4	32
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058D F-SB-58RED-4 20091103 NORMAL SO NORMAL SB 4 4	SB-058D F-SB-58RED-6 20091103 NORMAL SO NORMAL SB 6 6	SB-058D F-SB-58RED-8 20091103 NORMAL SO NORMAL SB 8 8	SB-059 SB-59-05 20040923 NORMAL SO NORMAL SB 5 5	SB-059 SB-59-10 20040923 NORMAL SO NORMAL SB 10 10
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	6 U	6 U
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	6 U	6 U
2-BUTANONE	4700000	2800000	N	NA	NA	NA	56 U	58 U
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	6 U	6 U
ACETONE	7000000	6100000	N	NA	NA	NA	56 U	58 U
BENZENE	12000	1100	C	NA	NA	NA	6 U	6 U
BROMOMETHANE	11000	730	N	NA	NA	NA	6 U	6 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	6 U	6 U
ETHYLBENZENE	780000	5400	C	NA	NA	NA	6 U	6 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	6 U	6 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	11 U	12 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	6 J	11 J
NAPHTHALENE	160000	3600	C	NA	NA	NA	6 U	6 U
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	6 U	6 U
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	6 U	6 U
TOLUENE	630000	500000	N	NA	NA	NA	6 U	6 U
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	3800 U	3900 U
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	3800 U	3900 U
CARBAZOLE	32000	NC		NA	NA	NA	3800 U	3900 U
DIBENZOFURAN	7800	7800	N	NA	NA	NA	3800 U	3900 U
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	3800 U	3900 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	3800 U	3900 U
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	3800 U	3900 U
PHENOL	2300000	1800000	N	NA	NA	NA	3800 U	3900 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	3800 U	3900 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	3800 U	3900 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	3800 U	3900 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	3800 U	3900 U
BAP EQUIVALENT-HALFND	22	15	C	**92.6**	**475**	**38.0**	**3098**	**2918**
BAP EQUIVALENT-POS	22	15	C	**91.9**	**475**	**37.2**	**799**	**773**
BENZO(A)ANTHRACENE	220	150	C	55	**360**	24	**480 J**	**490 J**
BENZO(A)PYRENE	22	15	C	**71**	**320**	**29**	**750 J**	**670 J**
BENZO(B)FLUORANTHENE	220	150	C	100	**380**	34	3800 U	**480 J**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	3800 U	3900 U
BENZO(K)FLUORANTHENE	2200	1500	C	37	160	10	3800 U	560 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-058D F-SB-58RED-4 20091103 NORMAL SO NORMAL SB 4 4**	**SB-058D F-SB-58RED-6 20091103 NORMAL SO NORMAL SB 6 6**	**SB-058D F-SB-58RED-8 20091103 NORMAL SO NORMAL SB 8 8**	**SB-059 SB-59-05 20040923 NORMAL SO NORMAL SB 5 5**	**SB-059 SB-59-10 20040923 NORMAL SO NORMAL SB 10 10**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	63	300	24	760 J	690 J
DIBENZO(A,H)ANTHRACENE	22	15	C	1.4 U	62	1.6 U	3800 U	3900 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	730 J	670 J
FLUORENE	310000	230000	N	NA	NA	NA	3800 U	3900 U
INDENO(1,2,3-CD)PYRENE	220	150	C	50	170	23	3800 U	3900 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	3800 U	3900 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	3800 U	3900 U
PYRENE	230000	170000	N	NA	NA	NA	1700 J	1500 J
TOTAL PAHS	NC	NC		376	1752	144	4420	5060
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	280 U	290 U
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	2.6 UL	2.9 UL
ARSENIC	0.43	0.39	C	NA	NA	NA	3.9	2.5
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	2.6 U	2.9 U
CADMIUM	3.9	7	N	NA	NA	NA	2.6 U	2.9 U
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	30 J	14 J
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	8.3	8.1
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	9.5	6.4
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	0.11 U	0.11 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	8	7.4
SELENIUM	39	39	N	NA	NA	NA	2.6 U	2.9 U
SILVER	39	39	N	NA	NA	NA	2.6 UR	2.9 UR
THALLIUM	0.55	NC		NA	NA	NA	2.1 U	2.3 U
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	26 UL	29 UL
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	12000	12000 U
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	110 U	120 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060 D-SB-60RE-10 20090915 NORMAL SO NORMAL SB 10 10	SB-060 D-SB-60RE-3 20090915 NORMAL SO NORMAL SB 3 3	SB-060 D-SB-60RE-4 20090915 NORMAL SO NORMAL SB 4 4	SB-060 D-SB-60RE-5 20090915 NORMAL SO NORMAL SB 5 5	SB-060 D-SB-60RE-6 20090915 NORMAL SO NORMAL SB 6 6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	3.4	**27.3**	**2034**	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.8	**26.5**	**2034**	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	8.8	20	**1700**	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	**21**	**1400**	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	9.2	22	**1800**	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2 U	10	660	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-060** **D-SB-60RE-10** **20090915** **NORMAL** **SO** **NORMAL** **SB** **10** **10**	**SB-060** **D-SB-60RE-3** **20090915** **NORMAL** **SO** **NORMAL** **SB** **3** **3**	**SB-060** **D-SB-60RE-4** **20090915** **NORMAL** **SO** **NORMAL** **SB** **4** **4**	**SB-060** **D-SB-60RE-5** **20090915** **NORMAL** **SO** **NORMAL** **SB** **5** **5**	**SB-060** **D-SB-60RE-6** **20090915** **NORMAL** **SO** **NORMAL** **SB** **6** **6**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1 U	9.7	26	1300	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	**210**	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	12	**660**	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	27.7	111	7730	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060 D-SB-60RE-7 20090915 NORMAL SO NORMAL SB 7 7	SB-060 D-SB-60RE-8 20090915 ORIG SO NORMAL SB 8 8	SB-060 D-SB-60RE-8-AVG 20090915 AVG SO NORMAL SB 8 8	SB-060 D-SB-60RE-8-D 20090915 DUP SO NORMAL SB 8 8	SB-060 D-SB-60RE-9 20090915 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.7 U	1.7 U	1.65 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.7 U	1.7 U	1.65 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.7 U	1.7 U	1.65 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	2.2 U	2.15 U	2.1 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060 D-SB-60RE-7 20090915 NORMAL SO NORMAL SB 7 7	SB-060 D-SB-60RE-8 20090915 ORIG SO NORMAL SB 8 8	SB-060 D-SB-60RE-8-AVG 20090915 AVG SO NORMAL SB 8 8	SB-060 D-SB-60RE-8-D 20090915 DUP SO NORMAL SB 8 8	SB-060 D-SB-60RE-9 20090915 NORMAL SO NORMAL SB 9 9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.7 U	1.65 U	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.9 U	1.85 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060 SB-60-05 20040924 NORMAL SO NORMAL SB 5 5	SB-060 SB-60-10 20040924 NORMAL SO NORMAL SB 10 10	SB-060A D-SB-60REA-3 20091012 ORIG SO NORMAL SB 3 3	SB-060A D-SB-60REA-3-AVG 20091012 AVG SO NORMAL SB 3 3	SB-060A D-SB-60REA-3-D 20091012 DUP SO NORMAL SB 3 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	6 UL	6 UL	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 UL	6 UL	NA	NA	NA
2-BUTANONE	4700000	2800000	N	60 UL	59 UL	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		6 UL	6 UL	NA	NA	NA
ACETONE	7000000	6100000	N	60 UL	59 UL	NA	NA	NA
BENZENE	12000	1100	C	6 UL	6 UL	NA	NA	NA
BROMOMETHANE	11000	730	N	6 UL	6 UL	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 UL	6 UL	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 UL	6 UL	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	6 UL	6 UL	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	12 UL	12 UL	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	6 UL	6 UL	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 UL	6 UL	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	6 UL	6 UL	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 UL	6 UL	NA	NA	NA
TOLUENE	630000	500000	N	6 UL	6 UL	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	420 U	400 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	420 U	400 U	NA	NA	NA
CARBAZOLE	32000	NC		420 U	400 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	420 U	400 U	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		420 U	400 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	420 U	400 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		420 U	400 U	NA	NA	NA
PHENOL	2300000	1800000	N	420 U	400 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	420 U	400 U	NA	NA	NA
ACENAPHTHENE	470000	340000	N	420 U	400 U	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	420 U	400 U	NA	NA	NA
ANTHRACENE	2300000	1700000	N	420 U	400 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	420 U	400 U	**361**	**852**	**1343**
BAP EQUIVALENT-POS	22	15	C	420 U	400 U	**361**	**852**	**1343**
BENZO(A)ANTHRACENE	220	150	C	420 U	400 U	**240 J**	**495**	**750 J**
BENZO(A)PYRENE	22	15	C	420 U	400 U	**240 J**	**530**	**820 J**
BENZO(B)FLUORANTHENE	220	150	C	420 U	400 U	**300 J**	**900**	**1500 J**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	420 U	400 U	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	420 U	400 U	140 J	310	480 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-060** **SB-60-05** **20040924** **NORMAL** **SO** **NORMAL** **SB** **5** **5**	**SB-060** **SB-60-10** **20040924** **NORMAL** **SO** **NORMAL** **SB** **10** **10**	**SB-060A** **D-SB-60REA-3** **20091012** **ORIG** **SO** **NORMAL** **SB** **3** **3**	**SB-060A** **D-SB-60REA-3-AVG** **20091012** **AVG** **SO** **NORMAL** **SB** **3** **3**	**SB-060A** **D-SB-60REA-3-D** **20091012** **DUP** **SO** **NORMAL** **SB** **3** **3**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	420 U	400 U	270 J	685	1100 J
DIBENZO(A,H)ANTHRACENE	22	15	C	420 U	400 U	**50 J**	**140**	**230 J**
FLUORANTHENE	310000	230000	N	420 U	45 J	NA	NA	NA
FLUORENE	310000	230000	N	420 U	400 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	420 U	400 U	150 J	**385**	**620 J**
NAPHTHALENE	160000	3600	C	420 U	400 U	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	420 U	400 U	NA	NA	NA
PYRENE	230000	170000	N	420 U	400 U	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	45	1390	3445	5500
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	300 U	290 U	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	3.1 UL	2.6 UL	NA	NA	NA
ARSENIC	0.43	0.39	C	**1 K**	**2.4**	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	3.1 U	2.6 U	NA	NA	NA
CADMIUM	3.9	7	N	3.1 U	2.6 U	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	60 J	120 J	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	15 J	21 J	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		11 K	24 K	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.12 U	0.14	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	21 K	10 K	NA	NA	NA
SELENIUM	39	39	N	3.1 U	2.6 U	NA	NA	NA
SILVER	39	39	N	3.1 UR	2.6 UR	NA	NA	NA
THALLIUM	0.55	NC		2.5 U	2.1 U	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	58 L	110	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		12000 U	12000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		120 U	120 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060A D-SB-60REA-5 20091012 NORMAL SO NORMAL SB 5 5	SB-060A D-SB-60REA-7 20091012 NORMAL SO NORMAL SB 7 7	SB-060B D-SB-60REB-3 20091013 NORMAL SO NORMAL SB 3 3	SB-060B D-SB-60REB-5 20091013 NORMAL SO NORMAL SB 5 5	SB-060B D-SB-60REB-7 20091013 NORMAL SO NORMAL SB 7 7
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**19.9**	1.5 U	1.5 U	**44.8**	**32.7**
BAP EQUIVALENT-POS	22	15	C	**18.9**	1.5 U	1.5 U	**44.0**	**31.9**
BENZO(A)ANTHRACENE	220	150	C	14	1.1 U	1.1 U	29	25
BENZO(A)PYRENE	22	15	C	**16**	1.5 U	1.5 U	**35**	**25**
BENZO(B)FLUORANTHENE	220	150	C	15	1.4 U	1.4 U	39	28
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	2 U	1.9 U	17	14
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060A	SB-060A	SB-060B	SB-060B	SB-060B
SAMPLE ID				D-SB-60REA-5	D-SB-60REA-7	D-SB-60REB-3	D-SB-60REB-5	D-SB-60REB-7
SAMPLE DATE				20091012	20091012	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	7	3	5	7
BOTTOM DEPTH				5	7	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	20	1.1 U	1 U	26	25
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.5 U	1.5 U	1.7 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.8 U	1.7 U	20	14
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		65	0 U	0 U	166	131
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060C	SB-060C	SB-060C	SB-060D	SB-060D
SAMPLE ID				D-SB-60REC-3	D-SB-60REC-5	D-SB-60REC-7	D-SB-60RED-3	D-SB-60RED-5
SAMPLE DATE				20091013	20091013	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	3	5
BOTTOM DEPTH				3	5	7	3	5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	13.8	1.5 U	**203**	**42.3**
BAP EQUIVALENT-POS	22	15	C	1.6 U	12.8	1.5 U	**203**	**42.3**
BENZO(A)ANTHRACENE	220	150	C	1.2 U	8.2	1.1 U	**170**	31
BENZO(A)PYRENE	22	15	C	1.6 U	12	1.5 U	**140**	**26**
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	1.4 U	140	27
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	2 U	59	16
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060C D-SB-60REC-3 20091013 NORMAL SO NORMAL SB 3 3	SB-060C D-SB-60REC-5 20091013 NORMAL SO NORMAL SB 5 5	SB-060C D-SB-60REC-7 20091013 NORMAL SO NORMAL SB 7 7	SB-060D D-SB-60RED-3 20091013 NORMAL SO NORMAL SB 3 3	SB-060D D-SB-60RED-5 20091013 NORMAL SO NORMAL SB 5 5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	13	1.1 U	180	32
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.5 U	24	8.6
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.8 U	70	17
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	33.2	0 U	783	157.6
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060D D-SB-60RED-7 20091013 ORIG SO NORMAL SB 7 7	SB-060D D-SB-60RED-7-AVG 20091013 AVG SO NORMAL SB 7 7	SB-060D D-SB-60RED-7-D 20091013 DUP SO NORMAL SB 7 7	SB-061 D-SB-61RE-10 20090916 NORMAL SO NORMAL SB 10 10	SB-061 D-SB-61RE-3 20090916 NORMAL SO NORMAL SB 3 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	1.55 U	1.5 U	**346**	2.9
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.55 U	1.5 U	**346**	1.3
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	120	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.55 U	1.5 U	**250**	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	**290**	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	99	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060D D-SB-60RED-7 20091013 ORIG SO NORMAL SB 7 7	SB-060D D-SB-60RED-7-AVG 20091013 AVG SO NORMAL SB 7 7	SB-060D D-SB-60RED-7-D 20091013 DUP SO NORMAL SB 7 7	SB-061 D-SB-61RE-10 20090916 NORMAL SO NORMAL SB 10 10	SB-061 D-SB-61RE-3 20090916 NORMAL SO NORMAL SB 3 3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.05 U	1 U	150	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.55 U	1.5 U	36	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.75 U	1.7 U	180	13
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	1125	13
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061 D-SB-61RE-4 20090916 NORMAL SO NORMAL SB 4 4	SB-061 D-SB-61RE-5 20090916 NORMAL SO NORMAL SB 5 5	SB-061 D-SB-61RE-6 20090916 NORMAL SO NORMAL SB 6 6	SB-061 D-SB-61RE-7 20090916 NORMAL SO NORMAL SB 7 7	SB-061 D-SB-61RE-8 20090916 NORMAL SO NORMAL SB 8 8
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	3.2	**101**	1.6 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.6	**101**	1.6 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	28	1.2 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	**73**	1.6 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	84	1.5 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	21	2.1 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061	SB-061	SB-061	SB-061	SB-061
SAMPLE ID				D-SB-61RE-4	D-SB-61RE-5	D-SB-61RE-6	D-SB-61RE-7	D-SB-61RE-8
SAMPLE DATE				20090916	20090916	20090916	20090916	20090916
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				4	5	6	7	8
BOTTOM DEPTH				4	5	6	7	8
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1 U	55	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	12	1.6 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	16	49	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		16	322	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061 D-SB-61RE-9 20090916 NORMAL SO NORMAL SB 9 9	SB-061 SB-61-05 20040924 NORMAL SO NORMAL SB 5 5	SB-061 SB-61-10 20040924 NORMAL SO NORMAL SB 10 10	SB-061A D-SB-61REA-3 20091012 ORIG SO NORMAL SB 3 3	SB-061A D-SB-61REA-3-AVG 20091012 AVG SO NORMAL SB 3 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	7 UL	6 UL	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	7 UL	6 UL	NA	NA
2-BUTANONE	4700000	2800000	N	NA	66 UL	60 UL	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	7 UL	6 UL	NA	NA
ACETONE	7000000	6100000	N	NA	66 UL	60 UL	NA	NA
BENZENE	12000	1100	C	NA	7 UL	6 UL	NA	NA
BROMOMETHANE	11000	730	N	NA	7 UL	6 UL	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	7 UL	6 UL	NA	NA
ETHYLBENZENE	780000	5400	C	NA	7 UL	6 UL	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	7 UL	6 UL	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	13 UL	12 UL	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	7 UL	6 UL	NA	NA
NAPHTHALENE	160000	3600	C	NA	7 UL	6 UL	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	7 UL	6 UL	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	7 UL	6 UL	NA	NA
TOLUENE	630000	500000	N	NA	7 UL	6 UL	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	450 U	41 J	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	450 U	400 U	NA	NA
CARBAZOLE	32000	NC		NA	450 U	400 U	NA	NA
DIBENZOFURAN	7800	7800	N	NA	450 U	400 U	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	450 U	400 U	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	450 U	400 U	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	450 U	400 U	NA	NA
PHENOL	2300000	1800000	N	NA	450 U	400 U	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	450 U	400 U	NA	NA
ACENAPHTHENE	470000	340000	N	NA	450 U	400 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	450 U	400 U	NA	NA
ANTHRACENE	2300000	1700000	N	NA	450 U	400 U	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	450 U	400 U	1.5 U	1.55 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	450 U	400 U	1.5 U	1.55 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	450 U	400 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	450 U	400 U	1.5 U	1.55 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	450 U	400 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	450 U	400 U	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	450 U	400 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061	SB-061	SB-061	SB-061A	SB-061A
SAMPLE ID				D-SB-61RE-9	SB-61-05	SB-61-10	D-SB-61REA-3	D-SB-61REA-3-AVG
SAMPLE DATE				20090916	20040924	20040924	20091012	20091012
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				9	5	10	3	3
BOTTOM DEPTH				9	5	10	3	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	450 U	400 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	450 U	400 U	1.5 U	1.55 U
FLUORANTHENE	310000	230000	N	NA	450 U	400 U	NA	NA
FLUORENE	310000	230000	N	NA	450 U	400 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	450 U	400 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	450 U	400 U	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	450 U	400 U	NA	NA
PYRENE	230000	170000	N	NA	450 U	400 U	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	330 U	290 U	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	0 U	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	3.2 UL	2.6 UL	NA	NA
ARSENIC	0.43	0.39	C	NA	1.8	0.51 U	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	3.2 U	2.6 U	NA	NA
CADMIUM	3.9	7	N	NA	3.2 U	2.6 U	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	19 J	12 J	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	8.7 J	4 J	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	6.3 K	2.6 U	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	0.13 U	0.1 U	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	3.2 U	3.7 K	NA	NA
SELENIUM	39	39	N	NA	3.2 U	2.6 U	NA	NA
SILVER	39	39	N	NA	3.2 UR	2.6 UR	NA	NA
THALLIUM	0.55	NC		NA	2.6 U	2.1 U	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	32 UL	26 UL	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	13000 U	12000 U	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	140 U	120 U	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061A D-SB-61REA-3-D 20091012 DUP SO NORMAL SB 3 3	SB-061A D-SB-61REA-5 20091012 NORMAL SO NORMAL SB 5 5	SB-061A D-SB-61REA-7 20091012 NORMAL SO NORMAL SB 7 7	SB-061A D-SB-61REA-9 20091012 NORMAL SO NORMAL SB 9 9	SB-061B D-SB-61REB-3 20091012 NORMAL SO NORMAL SB 3 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	1.5 U	1.5 U	**48.1**	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	1.5 U	**47.3**	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	21	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	1.5 U	**39**	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	39	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	17	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061A	SB-061A	SB-061A	SB-061A	SB-061B
SAMPLE ID				D-SB-61REA-3-D	D-SB-61REA-5	D-SB-61REA-7	D-SB-61REA-9	D-SB-61REB-3
SAMPLE DATE				20091012	20091012	20091012	20091012	20091012
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	3
BOTTOM DEPTH				3	5	7	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1 U	34	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.7 U	21	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	171	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061B D-SB-61REB-5 20091012 NORMAL SO NORMAL SB 5 5	SB-061B D-SB-61REB-7 20091012 NORMAL SO NORMAL SB 7 7	SB-061B D-SB-61REB-9 20091012 NORMAL SO NORMAL SB 9 9	SB-061C D-SB-61REC-3 20091012 NORMAL SO NORMAL SB 3 3	SB-061C D-SB-61REC-5 20091012 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	1.5 U	**256**	1.5 U	14.1
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	**256**	1.5 U	13.2
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	91	1.1 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	**180**	1.5 U	11
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	**210**	1.4 U	12
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	65	2 U	2.2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-061B D-SB-61REB-5 20091012 NORMAL SO NORMAL SB 5 5**	**SB-061B D-SB-61REB-7 20091012 NORMAL SO NORMAL SB 7 7**	**SB-061B D-SB-61REB-9 20091012 NORMAL SO NORMAL SB 9 9**	**SB-061C D-SB-61REC-3 20091012 NORMAL SO NORMAL SB 3 3**	**SB-061C D-SB-61REC-5 20091012 NORMAL SO NORMAL SB 5 5**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1 U	110	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	33	1.5 U	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.7 U	120	1.8 U	10
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	809	0 U	33
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061C D-SB-61REC-7 20091012 NORMAL SO NORMAL SB 7 7	SB-061C D-SB-61REC-9 20091012 NORMAL SO NORMAL SB 9 9	SB-061D D-SB-61RED-3 20091012 NORMAL SO NORMAL SB 3 3	SB-061D D-SB-61RED-5 20091012 NORMAL SO NORMAL SB 5 5	SB-061D D-SB-61RED-7 20091012 NORMAL SO NORMAL SB 7 7
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	656	1.6 U	10.4	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	656	1.6 U	9.5	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	150	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	450	1.6 U	8.4	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	440	1.4 U	11	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	150	2 U	2 U	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-061C D-SB-61REC-7 20091012 NORMAL SO NORMAL SB 7 7**	**SB-061C D-SB-61REC-9 20091012 NORMAL SO NORMAL SB 9 9**	**SB-061D D-SB-61RED-3 20091012 NORMAL SO NORMAL SB 3 3**	**SB-061D D-SB-61RED-5 20091012 NORMAL SO NORMAL SB 5 5**	**SB-061D D-SB-61RED-7 20091012 NORMAL SO NORMAL SB 7 7**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1 U	220	1.1 U	8.7	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	**110**	1.6 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	**350**	1.8 U	1.8 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	1870	0 U	28.1	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-061D** **D-SB-61RED-9** **20091012** **NORMAL** **SO** **NORMAL** **SB** **9** **9**
VOLATILES (UG/KG)				
1,1-DICHLOROETHENE	390000	24000	N	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA
2-BUTANONE	4700000	2800000	N	NA
4-ISOPROPYLTOLUENE	NC	NC		NA
ACETONE	7000000	6100000	N	NA
BENZENE	12000	1100	C	NA
BROMOMETHANE	11000	730	N	NA
CARBON DISULFIDE	780000	82000	N	NA
ETHYLBENZENE	780000	5400	C	NA
ISOPROPYLBENZENE	780000	210000	N	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA
METHYLENE CHLORIDE	85000	11000	C	NA
NAPHTHALENE	160000	3600	C	NA
N-PROPYLBENZENE	NC	340000	N	NA
O-XYLENE	1600000 [4]	380000	N	NA
TOLUENE	630000	500000	N	NA
TOTAL XYLENES	1600000	63000	N	NA
SEMIVOLATILES (UG/KG)				
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA
CARBAZOLE	32000	NC		NA
DIBENZOFURAN	7800	7800	N	NA
DIMETHYL PHTHALATE	NC	NC		NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA
PHENOL	2300000	1800000	N	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	NC	22000	C	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA
ACENAPHTHENE	470000	340000	N	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA
ANTHRACENE	2300000	1700000	N	NA
BAP EQUIVALENT-HALFND	22	15	C	**31.2**
BAP EQUIVALENT-POS	22	15	C	**30.4**
BENZO(A)ANTHRACENE	220	150	C	22
BENZO(A)PYRENE	22	15	C	**24**
BENZO(B)FLUORANTHENE	220	150	C	28
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA
BENZO(K)FLUORANTHENE	2200	1500	C	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA
C1-FLUORENES	NC	NC		NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
C2-FLUORENES	NC	NC		NA
C2-NAPHTHALENES	NC	NC		NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
C3-FLUORENES	NC	NC		NA
C3-NAPHTHALENES	NC	NC		NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA
C4-NAPHTHALENES	NC	NC		NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-061D** **D-SB-61RED-9** **20091012** **NORMAL** **SO** **NORMAL** **SB** **9** **9**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)				
CHRYSENE	22000	15000	C	25
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U
FLUORANTHENE	310000	230000	N	NA
FLUORENE	310000	230000	N	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	13
NAPHTHALENE	160000	3600	C	NA
PHENANTHRENE	2300000	170000	N[7]	NA
PYRENE	230000	170000	N	NA
TOTAL PAHS	NC	NC		123
PESTICIDES/PCBS (UG/KG)				
4,4'-DDE	1900	1400	C	NA
AROCLOR-1260	320	220	C	NA
BETA-BHC	350	270	C	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA
METALS (MG/KG)				
ANTIMONY	3.1	3.1	N	NA
ARSENIC	0.43	0.39	C	NA
BARIUM	1600	1500	N	NA
BERYLLIUM	16	16	N	NA
CADMIUM	3.9	7	N	NA
CHROMIUM	12000 [10]	12000	N[10]	NA
COBALT	NC	2.3	N	NA
COPPER	310	310	N	NA
IRON	5500	5500	N	NA
LEAD	400	400		NA
MANGANESE	160	180	N	NA
MERCURY	2.3 [11]	2.3	N[12]	NA
MOLYBDENUM	NC	39	N	NA
NICKEL	160	150	N	NA
SELENIUM	39	39	N	NA
SILVER	39	39	N	NA
THALLIUM	0.55	NC		NA
VANADIUM	7.8	39	N[13]	NA
ZINC	2300	2300	N	NA
PETROLEUM HYDROCARBONS (UG/KG)				
DIESEL RANGE ORGANICS	230000	NC		NA
GASOLINE RANGE ORGANICS	230000	NC		NA
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	NC	NC		NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	23	0.29	C	NA
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	780	780	N	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062 D-SB-62RE-10 20090914 NORMAL SO NORMAL SB 10 10	SB-062 D-SB-62RE-3 20090914 NORMAL SO NORMAL SB 3 3	SB-062 D-SB-62RE-4 20090914 NORMAL SO NORMAL SB 4 4	SB-062 D-SB-62RE-5 20090914 NORMAL SO NORMAL SB 5 5	SB-062 D-SB-62RE-6 20090914 NORMAL SO NORMAL SB 6 6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	**44.1**	**69.4**	**153**	**214**
BAP EQUIVALENT-POS	22	15	C	1.5 U	**43.3**	**68.7**	**152**	**213**
BENZO(A)ANTHRACENE	220	150	C	1.1 U	29	48	92	130
BENZO(A)PYRENE	22	15	C	1.5 U	**34**	**54**	**120**	**170**
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	41	63	140	**180**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	17	30	60	89
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-062 D-SB-62RE-10 20090914 NORMAL SO NORMAL SB 10 10**	**SB-062 D-SB-62RE-3 20090914 NORMAL SO NORMAL SB 3 3**	**SB-062 D-SB-62RE-4 20090914 NORMAL SO NORMAL SB 4 4**	**SB-062 D-SB-62RE-5 20090914 NORMAL SO NORMAL SB 5 5**	**SB-062 D-SB-62RE-6 20090914 NORMAL SO NORMAL SB 6 6**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	34	52	100	140
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	21	32	82	110
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	176	279	594	819
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062 D-SB-62RE-7 20090914 NORMAL SO NORMAL SB 7 7	SB-062 D-SB-62RE-8 20090914 NORMAL SO NORMAL SB 8 8	SB-062 D-SB-62RE-9 20090914 NORMAL SO NORMAL SB 9 9	SB-062 SB-62-05 20040923 NORMAL SO NORMAL SB 5 5	SB-062 SB-62-10 20040923 NORMAL SO NORMAL SB 10 10
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	6 U	6 U
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	6 U	6 U
2-BUTANONE	4700000	2800000	N	NA	NA	NA	58 U	58 U
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	6 U	6 U
ACETONE	7000000	6100000	N	NA	NA	NA	58 U	58 U
BENZENE	12000	1100	C	NA	NA	NA	6 U	6 U
BROMOMETHANE	11000	730	N	NA	NA	NA	6 U	6 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	6 U	6 U
ETHYLBENZENE	780000	5400	C	NA	NA	NA	6 U	6 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	6 U	6 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	12 U	12 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	6 U	10 J
NAPHTHALENE	160000	3600	C	NA	NA	NA	6 U	6 U
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	6 U	6 U
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	6 U	6 U
TOLUENE	630000	500000	N	NA	NA	NA	6 U	6 U
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	400 U	390 U
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	400 U	390 U
CARBAZOLE	32000	NC		NA	NA	NA	400 U	390 U
DIBENZOFURAN	7800	7800	N	NA	NA	NA	400 U	390 U
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	400 U	390 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	400 U	390 U
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	400 U	390 U
PHENOL	2300000	1800000	N	NA	NA	NA	400 U	390 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	400 U	390 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	400 U	390 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	400 U	390 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	400 U	390 U
BAP EQUIVALENT-HALFND	22	15	C	**77.1**	**65.6**	**1347**	400 U	390 U
BAP EQUIVALENT-POS	22	15	C	**76.4**	**64.8**	**1346**	400 U	390 U
BENZO(A)ANTHRACENE	220	150	C	54	46	**590**	400 U	390 U
BENZO(A)PYRENE	22	15	C	**59**	**51**	**1100**	400 U	390 U
BENZO(B)FLUORANTHENE	220	150	C	76	57	**1100**	400 U	390 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	400 U	390 U
BENZO(K)FLUORANTHENE	2200	1500	C	34	30	460	400 U	390 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-062 D-SB-62RE-7 20090914 NORMAL SO NORMAL SB 7 7**	**SB-062 D-SB-62RE-8 20090914 NORMAL SO NORMAL SB 8 8**	**SB-062 D-SB-62RE-9 20090914 NORMAL SO NORMAL SB 9 9**	**SB-062 SB-62-05 20040923 NORMAL SO NORMAL SB 5 5**	**SB-062 SB-62-10 20040923 NORMAL SO NORMAL SB 10 10**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	57	48	670	400 U	390 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	400 U	390 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	400 U	390 U
FLUORENE	310000	230000	N	NA	NA	NA	400 U	390 U
INDENO(1,2,3-CD)PYRENE	220	150	C	40	32	**720**	400 U	390 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	400 U	390 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	400 U	390 U
PYRENE	230000	170000	N	NA	NA	NA	45 J	390 U
TOTAL PAHS	NC	NC		320	264	4640	45	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	290 U	290 U
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	2.5 UL	2.7 UL
ARSENIC	0.43	0.39	C	NA	NA	NA	**1.7**	0.53 U
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	2.5 U	2.7 U
CADMIUM	3.9	7	N	NA	NA	NA	2.5 U	2.7 U
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	16 J	3.6 J
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	11	2.7 U
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	7.8	2.7 U
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	0.1 U	0.11 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	11	2.7 U
SELENIUM	39	39	N	NA	NA	NA	2.5 U	2.7 U
SILVER	39	39	N	NA	NA	NA	2.5 UR	2.7 UR
THALLIUM	0.55	NC		NA	NA	NA	2 U	2.1 U
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	38 J	27 UL
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	12000 U	12000 U
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	120 U	120 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062A D-SB-62REA-3 20091015 NORMAL SO NORMAL SB 3 3	SB-062A D-SB-62REA-5 20091015 NORMAL SO NORMAL SB 5 5	SB-062A D-SB-62REA-7 20091015 NORMAL SO NORMAL SB 7 7	SB-062A D-SB-62REA-9 20091015 NORMAL SO NORMAL SB 9 9	SB-062B D-SB-62REB-3 20091015 NORMAL SO NORMAL SB 3 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**61.3**	**4212**	**239**	**4863**	**62.3**
BAP EQUIVALENT-POS	22	15	C	**60.5**	**4212**	**239**	**4863**	**61.5**
BENZO(A)ANTHRACENE	220	150	C	46	**2400**	130	**4500**	46
BENZO(A)PYRENE	22	15	C	**47**	**3000**	**170**	**3300**	**47**
BENZO(B)FLUORANTHENE	220	150	C	61	**3100**	**190**	**5300**	64
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	27	970	70	950	26
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062A D-SB-62REA-3 20091015 NORMAL SO NORMAL SB 3 3	SB-062A D-SB-62REA-5 20091015 NORMAL SO NORMAL SB 5 5	SB-062A D-SB-62REA-7 20091015 NORMAL SO NORMAL SB 7 7	SB-062A D-SB-62REA-9 20091015 NORMAL SO NORMAL SB 9 9	SB-062B D-SB-62REB-3 20091015 NORMAL SO NORMAL SB 3 3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	47	2100	140	3800	47
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	**520**	**27**	**430**	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	25	**1300**	92	**1400**	32
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		253	13390	819	19680	262
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062B D-SB-62REB-5 20091015 NORMAL SO NORMAL SB 5 5	SB-062B D-SB-62REB-7 20091015 ORIG SO NORMAL SB 7 7	SB-062B D-SB-62REB-7-AVG 20091015 AVG SO NORMAL SB 7 7	SB-062B D-SB-62REB-7-D 20091015 DUP SO NORMAL SB 7 7	SB-062B D-SB-62REB-9 20091015 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**282**	**434**	**264**	**94.8**	1.5 U
BAP EQUIVALENT-POS	22	15	C	**282**	**434**	**264**	**94.8**	1.5 U
BENZO(A)ANTHRACENE	220	150	C	**200**	**320 J**	**185**	50 J	1.1 U
BENZO(A)PYRENE	22	15	C	**200**	**300 J**	**184**	**68 J**	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	**220**	**340 J**	**200.5**	61 J	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	110	160 J	99.5	39 J	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062B D-SB-62REB-5 20091015 NORMAL SO NORMAL SB 5 5	SB-062B D-SB-62REB-7 20091015 ORIG SO NORMAL SB 7 7	SB-062B D-SB-62REB-7-AVG 20091015 AVG SO NORMAL SB 7 7	SB-062B D-SB-62REB-7-D 20091015 DUP SO NORMAL SB 7 7	SB-062B D-SB-62REB-9 20091015 NORMAL SO NORMAL SB 9 9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	180	310 J	181	52 J	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	**28**	**51 J**	**31**	11 J	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	110	150 J	96.5	43 J	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		1048	1631	977.5	324	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062C D-SB-62REC-3 20091015 NORMAL SO NORMAL SB 3 3	SB-062C D-SB-62REC-5 20091015 NORMAL SO NORMAL SB 5 5	SB-062C D-SB-62REC-7 20091015 NORMAL SO NORMAL SB 7 7	SB-062C D-SB-62REC-9 20091015 NORMAL SO NORMAL SB 9 9	SB-062D D-SB-62RED-5 20091014 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**174**	**45.8**	**131**	1.5 U	**58.1**
BAP EQUIVALENT-POS	22	15	C	**174**	**45.1**	**121**	1.5 U	**57.3**
BENZO(A)ANTHRACENE	220	150	C	130	32	110	1.1 U	36
BENZO(A)PYRENE	22	15	C	**120**	**35**	**110**	1.5 U	**45**
BENZO(B)FLUORANTHENE	220	150	C	**160**	40	15 U	1.4 U	57
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	60	16	21 U	2 U	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062C	SB-062C	SB-062C	SB-062C	SB-062D
SAMPLE ID				D-SB-62REC-3	D-SB-62REC-5	D-SB-62REC-7	D-SB-62REC-9	D-SB-62RED-5
SAMPLE DATE				20091015	20091015	20091015	20091015	20091014
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	5
BOTTOM DEPTH				3	5	7	9	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	130	22	11 U	1.1 U	30
DIBENZO(A,H)ANTHRACENE	22	15	C	18	1.5 U	16 U	1.5 U	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	59	27	18 U	1.8 U	28
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		677	172	220	0 U	211
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062D D-SB-62RED-7 20091014 NORMAL SO NORMAL SB 7 7	SB-062D D-SB-62RED-9 20091014 NORMAL SO NORMAL SB 9 9	SB-063 D-SB-63RE-10 20090915 NORMAL SO NORMAL SB 10 10	SB-063 D-SB-63RE-3 20090915 NORMAL SO NORMAL SB 3 3	SB-063 D-SB-63RE-4 20090915 NORMAL SO NORMAL SB 4 4
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**26.5**	1.5 U	1.7 U	**379**	**157**
BAP EQUIVALENT-POS	22	15	C	9.9	1.5 U	1.7 U	**379**	**157**
BENZO(A)ANTHRACENE	220	150	C	11 U	1.1 U	1.2 U	**260**	90
BENZO(A)PYRENE	22	15	C	15 U	1.5 U	1.7 U	**260**	**110**
BENZO(B)FLUORANTHENE	220	150	C	99	1.4 U	1.6 U	**340**	110
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	20 U	2 U	2.2 U	100	61
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID				D-SB-62RED-7	D-SB-62RED-9	D-SB-63RE-10	D-SB-63RE-3	D-SB-63RE-4
SAMPLE DATE				20091014	20091014	20090915	20090915	20090915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				7	9	10	3	4
BOTTOM DEPTH				7	9	10	3	4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	11 U	1 U	1.2 U	270	110
DIBENZO(A,H)ANTHRACENE	22	15	C	15 U	1.5 U	1.7 U	44	19
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	18 U	1.7 U	1.9 U	140	69
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		99	0 U	0 U	1414	569
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-063 D-SB-63RE-5 20090915 NORMAL SO NORMAL SB 5 5	SB-063 D-SB-63RE-6 20090915 NORMAL SO NORMAL SB 6 6	SB-063 D-SB-63RE-7 20090915 NORMAL SO NORMAL SB 7 7	SB-063 D-SB-63RE-8 20090915 NORMAL SO NORMAL SB 8 8	SB-063 D-SB-63RE-9 20090915 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	9.4	1.7 U	**40.4**	**20.9**	1.7 U
BAP EQUIVALENT-POS	22	15	C	8.4	1.7 U	**39.7**	**20.0**	1.7 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	21	13	1.3 U
BENZO(A)PYRENE	22	15	C	8.4	1.7 U	**32**	**16**	1.7 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	36	17	1.6 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.2 U	13	2.2 U	2.3 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-063 D-SB-63RE-5 20090915 NORMAL SO NORMAL SB 5 5**	**SB-063 D-SB-63RE-6 20090915 NORMAL SO NORMAL SB 6 6**	**SB-063 D-SB-63RE-7 20090915 NORMAL SO NORMAL SB 7 7**	**SB-063 D-SB-63RE-8 20090915 NORMAL SO NORMAL SB 8 8**	**SB-063 D-SB-63RE-9 20090915 NORMAL SO NORMAL SB 9 9**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.1 U	32	18	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.7 U	1.5 U	1.7 U	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.9 U	18	9.9	2 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		8.4	0 U	152	73.9	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-063 SB-63-05 20040924 NORMAL SO NORMAL SB 5 5	SB-063 SB-63-10 20040924 NORMAL SO NORMAL SB 10 10	SB-063A D-SB-63REA-4 20091013 NORMAL SO NORMAL SB 4 4	SB-063A D-SB-63REA-6 20091013 NORMAL SO NORMAL SB 6 6	SB-063B D-SB-63REB-4 20091013 NORMAL SO NORMAL SB 4 4
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	6 UL	7 UL	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 UL	7 UL	NA	NA	NA
2-BUTANONE	4700000	2800000	N	60 UL	68 UL	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		6 UL	7 UL	NA	NA	NA
ACETONE	7000000	6100000	N	60 UL	68 UL	NA	NA	NA
BENZENE	12000	1100	C	6 UL	7 UL	NA	NA	NA
BROMOMETHANE	11000	730	N	6 UL	7 UL	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 UL	7 UL	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 UL	7 UL	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	6 UL	7 UL	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	12 UL	14 UL	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	6 UL	7 UL	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 UL	7 UL	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	6 UL	7 UL	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 UL	7 UL	NA	NA	NA
TOLUENE	630000	500000	N	6 UL	7 UL	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	410 U	450 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	410 U	450 U	NA	NA	NA
CARBAZOLE	32000	NC		410 U	450 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	410 U	450 U	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		410 U	450 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	410 U	450 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		76 J	450 U	NA	NA	NA
PHENOL	2300000	1800000	N	410 U	450 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	410 U	450 U	NA	NA	NA
ACENAPHTHENE	470000	340000	N	410 U	450 U	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	410 U	450 U	NA	NA	NA
ANTHRACENE	2300000	1700000	N	410 U	450 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**354**	450 U	11.5	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	**149**	450 U	10.5	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	110 J	450 U	1.1 U	1.1 U	1.2 U
BENZO(A)PYRENE	22	15	C	**120 J**	450 U	9.4	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	84 J	450 U	11	1.4 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	110 J	450 U	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	140 J	450 U	2 U	2 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-063	SB-063	SB-063A	SB-063A	SB-063B
SAMPLE ID				SB-63-05	SB-63-10	D-SB-63REA-4	D-SB-63REA-6	D-SB-63REB-4
SAMPLE DATE				20040924	20040924	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	10	4	6	4
BOTTOM DEPTH				5	10	4	6	4
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	150 J	450 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	410 U	450 U	1.6 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	150 J	450 U	NA	NA	NA
FLUORENE	310000	230000	N	410 U	450 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	79 J	450 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	410 U	450 U	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	49 J	450 U	NA	NA	NA
PYRENE	230000	170000	N	250 J	450 U	NA	NA	NA
TOTAL PAHS	NC	NC		1242	0 U	20.4	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	300 U	330 U	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	3 UL	3.2 UL	NA	NA	NA
ARSENIC	0.43	0.39	C	1.2 K	0.65 U	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	3 U	3.2 U	NA	NA	NA
CADMIUM	3.9	7	N	3 U	3.2 U	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	22 J	22 J	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	13 J	13 J	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		9 K	4.5 K	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.12 U	0.12 U	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	16 K	15 K	NA	NA	NA
SELENIUM	39	39	N	3 U	3.2 U	NA	NA	NA
SILVER	39	39	N	3 UR	3.2 UR	NA	NA	NA
THALLIUM	0.55	NC		2.4 U	2.6 U	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	36 L	32 UL	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		12000 U	13000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		120 U	140 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-063B D-SB-63REB-6 20091013 NORMAL SO NORMAL SB 6 6	SB-063C D-SB-63REC-4 20091013 NORMAL SO NORMAL SB 4 4	SB-063C D-SB-63REC-6 20091013 NORMAL SO NORMAL SB 6 6	SB-063D D-SB-63RED-4 20091013 NORMAL SO NORMAL SB 4 4	SB-063D D-SB-63RED-6 20091013 NORMAL SO NORMAL SB 6 6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	**46.3**	1.5 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	**45.5**	1.5 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	36	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	**35**	1.5 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	49	1.4 U	1.5 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	12	2 U	2.1 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-063B	SB-063C	SB-063C	SB-063D	SB-063D
SAMPLE ID				D-SB-63REB-6	D-SB-63REC-4	D-SB-63REC-6	D-SB-63RED-4	D-SB-63RED-6
SAMPLE DATE				20091013	20091013	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				6	4	6	4	6
BOTTOM DEPTH				6	4	6	4	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	37	1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	18	1.7 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	187	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-064 SB-64-05 20040924 NORMAL SO NORMAL SB 5 5	SB-065 D-SB-65RE-10 20090916 NORMAL SO NORMAL SB 10 10	SB-065 D-SB-65RE-3 20090916 NORMAL SO NORMAL SB 3 3	SB-065 D-SB-65RE-5 20090916 ORIG SO NORMAL SB 5 5	SB-065 D-SB-65RE-5-AVG 20090916 AVG SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	6 UL	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 UL	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	61 UL	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		6 UL	NA	NA	NA	NA
ACETONE	7000000	6100000	N	61 UL	NA	NA	NA	NA
BENZENE	12000	1100	C	6 UL	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	6 UL	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 UL	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 UL	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	6 UL	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	12 UL	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	6 UL	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 UL	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	6 UL	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 UL	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 UL	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	410 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	410 U	NA	NA	NA	NA
CARBAZOLE	32000	NC		410 U	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	410 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		410 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	410 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		410 U	NA	NA	NA	NA
PHENOL	2300000	1800000	N	410 U	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	410 U	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	410 U	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	410 U	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	410 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	410 U	1.5 U	**15.1**	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	410 U	1.5 U	14.3	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	410 U	1.1 U	9.1	1.2 U	1.2 U
BENZO(A)PYRENE	22	15	C	410 U	1.5 U	11	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	410 U	1.4 U	14	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	410 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	410 U	2 U	2 U	2.1 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-064 SB-64-05 20040924 NORMAL SO NORMAL SB 5 5	SB-065 D-SB-65RE-10 20090916 NORMAL SO NORMAL SB 10 10	SB-065 D-SB-65RE-3 20090916 NORMAL SO NORMAL SB 3 3	SB-065 D-SB-65RE-5 20090916 ORIG SO NORMAL SB 5 5	SB-065 D-SB-65RE-5-AVG 20090916 AVG SO NORMAL SB 5 5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	410 U	1.1 U	11	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	410 U	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	410 U	NA	NA	NA	NA
FLUORENE	310000	230000	N	410 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	410 U	1.8 U	9.8	1.9 U	1.9 U
NAPHTHALENE	160000	3600	C	410 U	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	410 U	NA	NA	NA	NA
PYRENE	230000	170000	N	410 U	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	54.9	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	300 U	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	3 UL	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	**0.79 K**	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	3 U	NA	NA	NA	NA
CADMIUM	3.9	7	N	3 U	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	26 J	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	22 J	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		13 K	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.14	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	18 K	NA	NA	NA	NA
SELENIUM	39	39	N	3 U	NA	NA	NA	NA
SILVER	39	39	N	3 UR	NA	NA	NA	NA
THALLIUM	0.55	NC		2.4 U	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	30 UL	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		12000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		120 U	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-065 D-SB-65RE-5-D 20090916 DUP SO NORMAL SB 5 5	SB-065 D-SB-65RE-6 20090916 NORMAL SO NORMAL SB 6 6	SB-065 D-SB-65RE-7 20090916 NORMAL SO NORMAL SB 7 7	SB-065 D-SB-65RE-8 20090916 NORMAL SO NORMAL SB 8 8	SB-065 D-SB-65RE-9 20090916 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.4 U	1.4 U	1.4 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2 U	2 U	2 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-065 D-SB-65RE-5-D 20090916 DUP SO NORMAL SB 5 5	SB-065 D-SB-65RE-6 20090916 NORMAL SO NORMAL SB 6 6	SB-065 D-SB-65RE-7 20090916 NORMAL SO NORMAL SB 7 7	SB-065 D-SB-65RE-8 20090916 NORMAL SO NORMAL SB 8 8	SB-065 D-SB-65RE-9 20090916 NORMAL SO NORMAL SB 9 9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.8 U	1.7 U	1.7 U	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-065	SB-065	SB-066	SB-066	SB-066
SAMPLE ID				SB-65-05	SB-65-10	D-SB-66RE-3	D-SB-66RE-4	D-SB-66RE-5
SAMPLE DATE				20040917	20040917	20090914	20090914	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	10	3	4	5
BOTTOM DEPTH				5	10	3	4	5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	6 U	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	6 U	NA	NA	NA
2-BUTANONE	4700000	2800000	N	62 U	60 U	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		6 U	6 U	NA	NA	NA
ACETONE	7000000	6100000	N	62 U	60 U	NA	NA	NA
BENZENE	12000	1100	C	6 U	6 U	NA	NA	NA
BROMOMETHANE	11000	730	N	6 U	6 U	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	6 U	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 U	6 U	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	6 U	6 U	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	12 U	12 U	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	8 J	8 J	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 U	6 U	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	6 U	6 U	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 U	6 U	NA	NA	NA
TOLUENE	630000	500000	N	6 U	6 U	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	420 U	400 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	420 U	400 U	NA	NA	NA
CARBAZOLE	32000	NC		420 U	400 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	420 U	400 U	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		420 U	400 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	420 U	400 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		420 UJ	400 UJ	NA	NA	NA
PHENOL	2300000	1800000	N	420 U	400 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	420 U	400 U	NA	NA	NA
ACENAPHTHENE	470000	340000	N	420 U	400 U	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	420 U	400 U	NA	NA	NA
ANTHRACENE	2300000	1700000	N	420 U	400 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	420 U	400 U	1.5 U	1.5 U	**46.9**
BAP EQUIVALENT-POS	22	15	C	420 U	400 U	1.5 U	1.5 U	**46.1**
BENZO(A)ANTHRACENE	220	150	C	420 U	400 U	1.1 U	1.1 U	53
BENZO(A)PYRENE	22	15	C	420 UJ	400 UJ	1.5 U	1.5 U	**35**
BENZO(B)FLUORANTHENE	220	150	C	420 UJ	400 UJ	1.4 U	1.4 U	39
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	420 UJ	400 UJ	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	420 UJ	400 UJ	1.9 U	2 U	17
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-065** **SB-65-05** **20040917** **NORMAL** **SO** **NORMAL** **SB** **5** **5**	**SB-065** **SB-65-10** **20040917** **NORMAL** **SO** **NORMAL** **SB** **10** **10**	**SB-066** **D-SB-66RE-3** **20090914** **NORMAL** **SO** **NORMAL** **SB** **3** **3**	**SB-066** **D-SB-66RE-4** **20090914** **NORMAL** **SO** **NORMAL** **SB** **4** **4**	**SB-066** **D-SB-66RE-5** **20090914** **NORMAL** **SO** **NORMAL** **SB** **5** **5**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	420 U	400 U	1 U	1.1 U	58
DIBENZO(A,H)ANTHRACENE	22	15	C	420 UJ	400 UJ	1.5 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	420 U	400 U	NA	NA	NA
FLUORENE	310000	230000	N	420 U	400 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	420 UJ	400 UJ	1.7 U	1.8 U	17
NAPHTHALENE	160000	3600	C	420 U	400 U	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	420 U	400 U	NA	NA	NA
PYRENE	230000	170000	N	420 U	400 U	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	219
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	310 U	290 U	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	3.1 UR	2.9 UR	NA	NA	NA
ARSENIC	0.43	0.39	C	**2 L**	0.58 UL	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	3.1 UL	2.9 UL	NA	NA	NA
CADMIUM	3.9	7	N	3.1 UL	2.9 UL	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	35	16	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	23 L	17 L	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		6.5 L	3 L	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.12 U	0.12 U	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	23	14	NA	NA	NA
SELENIUM	39	39	N	3.1 UL	2.9 UL	NA	NA	NA
SILVER	39	39	N	3.1 UR	2.9 UR	NA	NA	NA
THALLIUM	0.55	NC		2.5 UL	2.3 UL	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	31 U	29 U	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		13000 U	12000	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		130 U	120 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066 D-SB-66RE-6 20090914 NORMAL SO NORMAL SB 6 6	SB-066 D-SB-66RE-7 20090914 NORMAL SO NORMAL SB 7 7	SB-066 D-SB-66RE-8 20090914 ORIG SO NORMAL SB 8 8	SB-066 D-SB-66RE-8-AVG 20090914 AVG SO NORMAL SB 8 8	SB-066 D-SB-66RE-8-D 20090914 DUP SO NORMAL SB 8 8
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**45.4**	1.6 U	1.5 U	1.55 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	**44.6**	1.6 U	1.5 U	1.55 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	61	1.2 U	1.1 U	1.15 U	1.2 U
BENZO(A)PYRENE	22	15	C	**33**	1.6 U	1.5 U	1.55 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	38	1.5 U	1.4 U	1.45 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	15	2.1 U	2 U	2.05 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066	SB-066	SB-066	SB-066	SB-066
SAMPLE ID				D-SB-66RE-6	D-SB-66RE-7	D-SB-66RE-8	D-SB-66RE-8-AVG	D-SB-66RE-8-D
SAMPLE DATE				20090914	20090914	20090914	20090914	20090914
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				6	7	8	8	8
BOTTOM DEPTH				6	7	8	8	8
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	75	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.5 U	1.55 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	15	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		237	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066	SB-066	SB-066A	SB-066B	SB-066C
SAMPLE ID				SB-66-05	SB-66-10	D-SB-66REA-4	D-SB-66REB-4	D-SB-66REC-4
SAMPLE DATE				20040923	20040923	20091014	20091014	20091014
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	10	4	4	4
BOTTOM DEPTH				5	10	4	4	4
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	6 U	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	6 U	NA	NA	NA
2-BUTANONE	4700000	2800000	N	57 U	59 U	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		6 U	6 U	NA	NA	NA
ACETONE	7000000	6100000	N	57 U	59 U	NA	NA	NA
BENZENE	12000	1100	C	6 U	6 U	NA	NA	NA
BROMOMETHANE	11000	730	N	6 U	6 U	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	6 U	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 U	6 U	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	6 U	6 U	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	11 U	12 U	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	10 J	8 J	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 U	6 U	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	6 U	6 U	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 U	6 U	NA	NA	NA
TOLUENE	630000	500000	N	6 U	6 U	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	390 U	400 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	390 U	400 U	NA	NA	NA
CARBAZOLE	32000	NC		390 U	400 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	390 U	400 U	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		390 U	400 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	61 J	76 J	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		390 U	400 U	NA	NA	NA
PHENOL	2300000	1800000	N	390 U	400 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	390 U	400 U	NA	NA	NA
ACENAPHTHENE	470000	340000	N	390 U	400 U	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	390 U	400 U	NA	NA	NA
ANTHRACENE	2300000	1700000	N	390 U	400 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	390 U	400 U	1.5 U	3.3	1.5 U
BAP EQUIVALENT-POS	22	15	C	390 U	400 U	1.5 U	1.7	1.5 U
BENZO(A)ANTHRACENE	220	150	C	390 U	400 U	1.1 U	7.7	1.1 U
BENZO(A)PYRENE	22	15	C	390 U	400 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	390 U	400 U	1.4 U	9.7	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	390 U	400 U	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	390 U	400 U	2 U	1.9 U	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-066** **SB-66-05** **20040923** **NORMAL** **SO** **NORMAL** **SB** **5** **5**	**SB-066** **SB-66-10** **20040923** **NORMAL** **SO** **NORMAL** **SB** **10** **10**	**SB-066A** **D-SB-66REA-4** **20091014** **NORMAL** **SO** **NORMAL** **SB** **4** **4**	**SB-066B** **D-SB-66REB-4** **20091014** **NORMAL** **SO** **NORMAL** **SB** **4** **4**	**SB-066C** **D-SB-66REC-4** **20091014** **NORMAL** **SO** **NORMAL** **SB** **4** **4**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	390 U	400 U	1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	390 U	400 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	390 U	400 U	NA	NA	NA
FLUORENE	310000	230000	N	390 U	400 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	390 U	400 U	1.7 U	1.7 U	1.7 U
NAPHTHALENE	160000	3600	C	390 U	400 U	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	390 U	400 U	NA	NA	NA
PYRENE	230000	170000	N	390 U	400 U	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	17.4	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	290 U	290 U	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	2.7 UL	3 UL	NA	NA	NA
ARSENIC	0.43	0.39	C	**1.4**	**1.5**	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	2.7 U	3 U	NA	NA	NA
CADMIUM	3.9	7	N	2.7 U	3 U	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	22 J	11 J	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	23	7.7	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		7.8	6.3	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.11 U	0.12 U	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	2.7 U	7.7	NA	NA	NA
SELENIUM	39	39	N	4	3 U	NA	NA	NA
SILVER	39	39	N	2.7 UR	3 UR	NA	NA	NA
THALLIUM	0.55	NC		2.2 U	2.4 U	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	27 UL	35 J	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		12000 U	12000 U	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		110 U	120 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066D D-SB-66RED-3 20091014 NORMAL SO NORMAL SB 3 3	SB-066D D-SB-66RED-4 20091014 ORIG SO NORMAL SB 4 4	SB-066D D-SB-66RED-4-AVG 20091014 AVG SO NORMAL SB 4 4	SB-066D D-SB-66RED-4-D 20091014 DUP SO NORMAL SB 4 4	SB-067 SB-67-05 20040927 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	7 UL
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	7 UL
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	72 UL
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	7 UL
ACETONE	7000000	6100000	N	NA	NA	NA	NA	72 UL
BENZENE	12000	1100	C	NA	NA	NA	NA	7 UL
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	7 UL
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	7 UL
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	7 UL
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	7 UL
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	14 UL
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	7 UL
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	7 UL
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	7 UL
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	7 UL
TOLUENE	630000	500000	N	NA	NA	NA	NA	7 UL
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	490 U
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	490 U
CARBAZOLE	32000	NC		NA	NA	NA	NA	490 U
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	490 U
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	490 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	490 U
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	490 U
PHENOL	2300000	1800000	N	NA	NA	NA	NA	490 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	490 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	490 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	490 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	490 U
BAP EQUIVALENT-HALFND	22	15	C	**62.2**	1.5 U	8.4	**16.0**	490 U
BAP EQUIVALENT-POS	22	15	C	**62.2**	1.5 U	7.99	**15.2**	490 U
BENZO(A)ANTHRACENE	220	150	C	37	1.1 U	6.775	13	490 U
BENZO(A)PYRENE	22	15	C	**39**	1.5 U	1.5 U	1.5 U	490 U
BENZO(B)FLUORANTHENE	220	150	C	47	1.4 U	7.85	15	490 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	490 U
BENZO(K)FLUORANTHENE	2200	1500	C	23	2 U	7	13	490 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066D	SB-066D	SB-066D	SB-066D	SB-067
SAMPLE ID				D-SB-66RED-3	D-SB-66RED-4	D-SB-66RED-4-AVG	D-SB-66RED-4-D	SB-67-05
SAMPLE DATE				20091014	20091014	20091014	20091014	20040927
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				3	4	4	4	5
BOTTOM DEPTH				3	4	4	4	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	32	1.1 U	1.1 U	1.1 U	490 U
DIBENZO(A,H)ANTHRACENE	22	15	C	12	1.5 U	5.875	11	490 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	490 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	490 U
INDENO(1,2,3-CD)PYRENE	220	150	C	25	1.8 U	6.95	13	490 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	490 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	490 U
PYRENE	230000	170000	N	NA	NA	NA	NA	490 U
TOTAL PAHS	NC	NC		215	0 U	32.5	65	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	360 U
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	3.6 UL
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	**1.2 K**
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	3.6 U
CADMIUM	3.9	7	N	NA	NA	NA	NA	3.6 U
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	41 J
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	9.1 J
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	4.3 K
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	0.14 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	3.6 U
SELENIUM	39	39	N	NA	NA	NA	NA	3.6 U
SILVER	39	39	N	NA	NA	NA	NA	3.6 UR
THALLIUM	0.55	NC		NA	NA	NA	NA	2.9 U
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	36 UL
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	17000
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	150 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-067	SB-239	SB-239	SB-239	SB-239
SAMPLE ID				SB-67-10	D-SB-239RE-10	D-SB-239RE-3	D-SB-239RE-4	D-SB-239RE-5
SAMPLE DATE				20040927	20091006	20090914	20090914	20090914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				10	10	3	4	5
BOTTOM DEPTH				10	10	3	4	5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	6 UL	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 UL	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	59 UL	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		6 UL	NA	NA	NA	NA
ACETONE	7000000	6100000	N	59 UL	NA	NA	NA	NA
BENZENE	12000	1100	C	6 UL	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	6 UL	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 UL	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 UL	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	6 UL	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	12 UL	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	6 UL	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 UL	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	6 UL	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 UL	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 UL	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	410 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	410 U	NA	NA	NA	NA
CARBAZOLE	32000	NC		410 U	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	410 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		410 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	410 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		410 U	NA	NA	NA	NA
PHENOL	2300000	1800000	N	410 U	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	410 U	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	410 U	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	410 U	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	410 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	410 U	**26.3**	3.3	**26.2**	**23.6**
BAP EQUIVALENT-POS	22	15	C	410 U	**21.2**	1.7	**26.2**	**22.9**
BENZO(A)ANTHRACENE	220	150	C	410 U	14 J	8.3	13	21
BENZO(A)PYRENE	22	15	C	410 U	**16 J**	1.5 U	12	**17**
BENZO(B)FLUORANTHENE	220	150	C	410 U	22 J	8.6	14	22
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	410 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	410 U	9.8 U	1.9 U	13	14
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-067** **SB-67-10** **20040927** **NORMAL** **SO** **NORMAL** **SB** **10** **10**	**SB-239** **D-SB-239RE-10** **20091006** **NORMAL** **SO** **NORMAL** **SB** **10** **10**	**SB-239** **D-SB-239RE-3** **20090914** **NORMAL** **SO** **NORMAL** **SB** **3** **3**	**SB-239** **D-SB-239RE-4** **20090914** **NORMAL** **SO** **NORMAL** **SB** **4** **4**	**SB-239** **D-SB-239RE-5** **20090914** **NORMAL** **SO** **NORMAL** **SB** **5** **5**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	410 U	14 J	1 U	15	23
DIBENZO(A,H)ANTHRACENE	22	15	C	410 U	10 U	1.5 U	10	1.5 U
FLUORANTHENE	310000	230000	N	410 U	NA	NA	NA	NA
FLUORENE	310000	230000	N	410 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	410 U	16 J	1.7 U	14	14
NAPHTHALENE	160000	3600	C	410 U	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	410 U	NA	NA	NA	NA
PYRENE	230000	170000	N	410 U	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	82	16.9	91	111
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	300 U	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	2.7 UL	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	**1.2 K**	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	2.7 U	NA	NA	NA	NA
CADMIUM	3.9	7	N	2.7 U	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	13 J	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	31 J	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		11 K	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.11 U	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	27 K	NA	NA	NA	NA
SELENIUM	39	39	N	2.7 U	NA	NA	NA	NA
SILVER	39	39	N	2.7 UR	NA	NA	NA	NA
THALLIUM	0.55	NC		2.2 U	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	50 L	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		12000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		120 U	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-239	SB-239	SB-239	SB-239	SB-240
SAMPLE ID				D-SB-239RE-6	D-SB-239RE-7	D-SB-239RE-8	D-SB-239RE-9	D-SB-240RE-10
SAMPLE DATE				20090914	20091006	20091006	20091006	20090915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				6	7	8	9	10
BOTTOM DEPTH				6	7	8	9	10
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**208**	**417**	**367**	**1801**	**112**
BAP EQUIVALENT-POS	22	15	C	**208**	**417**	**367**	**1801**	**112**
BENZO(A)ANTHRACENE	220	150	C	120	**190**	**180**	**930**	88
BENZO(A)PYRENE	22	15	C	**140**	**300**	**260**	**1200**	**76**
BENZO(B)FLUORANTHENE	220	150	C	**170**	**350**	**300**	**1400**	110
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	67	8.4 U	8.2 U	8.2 U	36
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-239	SB-239	SB-239	SB-239	SB-240
SAMPLE ID				D-SB-239RE-6	D-SB-239RE-7	D-SB-239RE-8	D-SB-239RE-9	D-SB-240RE-10
SAMPLE DATE				20090914	20091006	20091006	20091006	20090915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				6	7	8	9	10
BOTTOM DEPTH				6	7	8	9	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	130	190	180	850	80
DIBENZO(A,H)ANTHRACENE	22	15	C	30	42	41	270	12
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	84	210	180	970	41
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		741	1282	1141	5620	443
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240 D-SB-240RE-3 20090914 NORMAL SO NORMAL SB 3 3	SB-240 D-SB-240RE-4 20090914 NORMAL SO NORMAL SB 4 4	SB-240 D-SB-240RE-6 20090915 NORMAL SO NORMAL SB 6 6	SB-240 D-SB-240RE-7 20090914 NORMAL SO NORMAL SB 7 7	SB-240 D-SB-240RE-8 20090914 ORIG SO NORMAL SB 8 8
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**203**	**135**	**187**	**5503**	2.8
BAP EQUIVALENT-POS	22	15	C	**203**	**135**	**187**	**5503**	0.99
BENZO(A)ANTHRACENE	220	150	C	**160**	91	130	**4600**	1.2 UJ
BENZO(A)PYRENE	22	15	C	**140**	**91**	**130**	**3800**	1.6 UJ
BENZO(B)FLUORANTHENE	220	150	C	**190**	120	**160**	**4700**	9.9 J
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	81	49	61	**1900**	2.1 UJ
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-240 D-SB-240RE-3 20090914 NORMAL SO NORMAL SB 3 3**	**SB-240 D-SB-240RE-4 20090914 NORMAL SO NORMAL SB 4 4**	**SB-240 D-SB-240RE-6 20090915 NORMAL SO NORMAL SB 6 6**	**SB-240 D-SB-240RE-7 20090914 NORMAL SO NORMAL SB 7 7**	**SB-240 D-SB-240RE-8 20090914 ORIG SO NORMAL SB 8 8**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	160	100	140	3900	1.1 UJ
DIBENZO(A,H)ANTHRACENE	22	15	C	**21**	**17**	**20**	**570**	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	65	52	77	**1800**	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		817	520	718	21270	9.9
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240 D-SB-240RE-8-AVG 20090914 AVG SO NORMAL SB 8 8	SB-240 D-SB-240RE-8-D 20090914 DUP SO NORMAL SB 8 8	SB-240A D-SB-240REA-3 20091014 NORMAL SO NORMAL SB 3 3	SB-240A D-SB-240REA-5 20091014 NORMAL SO NORMAL SB 5 5	SB-240A D-SB-240REA-7 20091014 ORIG SO NORMAL SB 7 7
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**15.5**	**28.3**	**46.8**	**326**	4.6
BAP EQUIVALENT-POS	22	15	C	14.3	**27.6**	**46.0**	**326**	2.9
BENZO(A)ANTHRACENE	220	150	C	12.3	24 J	40	**240**	15
BENZO(A)PYRENE	22	15	C	10.9	**21 J**	**35**	**230**	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	16.95	24 J	48	**240**	14
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	9.025	17 J	20	86	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240	SB-240	SB-240A	SB-240A	SB-240A
SAMPLE ID				D-SB-240RE-8-AVG	D-SB-240RE-8-D	D-SB-240REA-3	D-SB-240REA-5	D-SB-240REA-7
SAMPLE DATE				20090914	20090914	20091014	20091014	20091014
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	8	3	5	7
BOTTOM DEPTH				8	8	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	11.775	23 J	36	310	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.55 U	1.5 U	1.5 U	36	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	8.45	16	20	110	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		67.45	125	199	1252	29
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240A D-SB-240REA-7-AVG 20091014 AVG SO NORMAL SB 7 7	SB-240A D-SB-240REA-7-D 20091014 DUP SO NORMAL SB 7 7	SB-240A D-SB-240REA-9 20091014 NORMAL SO NORMAL SB 9 9	SB-240B D-SB-240REB-3 20091013 NORMAL SO NORMAL SB 3 3	SB-240B D-SB-240REB-5 20091013 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	10.0	**15.3**	3.4	**37.9**	2.4
BAP EQUIVALENT-POS	22	15	C	8.7	14.5	1.8	**37.1**	0.79
BENZO(A)ANTHRACENE	220	150	C	15	15	8.7	29	1.1 U
BENZO(A)PYRENE	22	15	C	5.4	10	1.5 U	**29**	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	17	20	9.2	37	7.9
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	2 U	17	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-240A D-SB-240REA-7-AVG 20091014 AVG SO NORMAL SB 7 7**	**SB-240A D-SB-240REA-7-D 20091014 DUP SO NORMAL SB 7 7**	**SB-240A D-SB-240REA-9 20091014 NORMAL SO NORMAL SB 9 9**	**SB-240B D-SB-240REB-3 20091013 NORMAL SO NORMAL SB 3 3**	**SB-240B D-SB-240REB-5 20091013 NORMAL SO NORMAL SB 5 5**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	42	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	5.45	10	1.8 U	13	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		42	55	17.9	167	7.9
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240B D-SB-240REB-7 20091013 NORMAL SO NORMAL SB 7 7	SB-240B D-SB-240REB-9 20091013 NORMAL SO NORMAL SB 9 9	SB-240C D-SB-240REC-3 20091013 ORIG SO NORMAL SB 3 3	SB-240C D-SB-240REC-3-AVG 20091013 AVG SO NORMAL SB 3 3	SB-240C D-SB-240REC-3-D 20091013 DUP SO NORMAL SB 3 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	1.5 U	**108**	**67.4**	**26.7**
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	**108**	**67.0**	**25.9**
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	65 J	42.5	20 J
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	**71 J**	**45.5**	**20 J**
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	110 J	68	26 J
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2 U	31 J	21.5	12 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240B	SB-240B	SB-240C	SB-240C	SB-240C
SAMPLE ID				D-SB-240REB-7	D-SB-240REB-9	D-SB-240REC-3	D-SB-240REC-3-AVG	D-SB-240REC-3-D
SAMPLE DATE				20091013	20091013	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				7	9	3	3	3
BOTTOM DEPTH				7	9	3	3	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	1.1 U	66 J	43.5	21 J
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	15 J	7.875	1.5 UJ
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	42 J	27	12 J
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	400	255.5	111
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240C D-SB-240REC-5 20091013 NORMAL SO NORMAL SB 5 5	SB-240C D-SB-240REC-7 20091013 NORMAL SO NORMAL SB 7 7	SB-240C D-SB-240REC-9 20091013 NORMAL SO NORMAL SB 9 9	SB-240D D-SB-240RED-3 20091013 NORMAL SO NORMAL SB 3 3	SB-240D D-SB-240RED-5 20091013 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**4899**	1.5 U	**17.1**	**49.6**	**5759**
BAP EQUIVALENT-POS	22	15	C	**4899**	1.5 U	**16.3**	**48.8**	**5759**
BENZO(A)ANTHRACENE	220	150	C	**4100**	1.1 U	10	39	**1700**
BENZO(A)PYRENE	22	15	C	**3400**	1.5 U	13	**38**	**3800**
BENZO(B)FLUORANTHENE	220	150	C	**4600**	1.3 U	13	44	**4500**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1500	1.9 U	8	27	**1700**
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240C	SB-240C	SB-240C	SB-240D	SB-240D
SAMPLE ID				D-SB-240REC-5	D-SB-240REC-7	D-SB-240REC-9	D-SB-240RED-3	D-SB-240RED-5
SAMPLE DATE				20091013	20091013	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5
BOTTOM DEPTH				5	7	9	3	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	3500	1 U	13	41	2000
DIBENZO(A,H)ANTHRACENE	22	15	C	**440**	1.5 U	1.6 U	1.5 U	**1000**
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**1700**	1.7 U	8.8	22	**3200**
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		19240	0 U	65.8	211	17900
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-240D D-SB-240RED-7 20091013 NORMAL SO NORMAL SB 7 7**	**SB-240D D-SB-240RED-9 20091013 NORMAL SO NORMAL SB 9 9**
VOLATILES (UG/KG)					
1,1-DICHLOROETHENE	390000	24000	N	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA
ACETONE	7000000	6100000	N	NA	NA
BENZENE	12000	1100	C	NA	NA
BROMOMETHANE	11000	730	N	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA
TOLUENE	630000	500000	N	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA
SEMIVOLATILES (UG/KG)					
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA
CARBAZOLE	32000	NC		NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA
PHENOL	2300000	1800000	N	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)					
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	14.1	**809**
BAP EQUIVALENT-POS	22	15	C	13.2	**809**
BENZO(A)ANTHRACENE	220	150	C	8.8	**410**
BENZO(A)PYRENE	22	15	C	11	**560**
BENZO(B)FLUORANTHENE	220	150	C	13	**610**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	230
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA
C1-FLUORENES	NC	NC		NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA
C2-FLUORENES	NC	NC		NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA
C3-FLUORENES	NC	NC		NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-240D D-SB-240RED-7 20091013 NORMAL SO NORMAL SB 7 7**	**SB-240D D-SB-240RED-9 20091013 NORMAL SO NORMAL SB 9 9**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)					
CHRYSENE	22000	15000	C	9.7	420
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	**110**
FLUORANTHENE	310000	230000	N	NA	NA
FLUORENE	310000	230000	N	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	**340**
NAPHTHALENE	160000	3600	C	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA
PYRENE	230000	170000	N	NA	NA
TOTAL PAHS	NC	NC		42.5	2680
PESTICIDES/PCBS (UG/KG)					
4,4'-DDE	1900	1400	C	NA	NA
AROCLOR-1260	320	220	C	NA	NA
BETA-BHC	350	270	C	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA
METALS (MG/KG)					
ANTIMONY	3.1	3.1	N	NA	NA
ARSENIC	0.43	0.39	C	NA	NA
BARIUM	1600	1500	N	NA	NA
BERYLLIUM	16	16	N	NA	NA
CADMIUM	3.9	7	N	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA
COBALT	NC	2.3	N	NA	NA
COPPER	310	310	N	NA	NA
IRON	5500	5500	N	NA	NA
LEAD	400	400		NA	NA
MANGANESE	160	180	N	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA
MOLYBDENUM	NC	39	N	NA	NA
NICKEL	160	150	N	NA	NA
SELENIUM	39	39	N	NA	NA
SILVER	39	39	N	NA	NA
THALLIUM	0.55	NC		NA	NA
VANADIUM	7.8	39	N[13]	NA	NA
ZINC	2300	2300	N	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)					
DIESEL RANGE ORGANICS	230000	NC		NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA
MISCELLANEOUS PARAMETERS (%)					
PERCENT SOLIDS	NC	NC		NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)					
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)					
MERCURY (METHYL)	780	780	N	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243	SB-243	SB-243	SB-243	SB-243
SAMPLE ID				D-SB-243RE-10	D-SB-243RE-3	D-SB-243RE-4	D-SB-243RE-5	D-SB-243RE-6
SAMPLE DATE				20090915	20090915	20090915	20090915	20090915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				10	3	4	5	6
BOTTOM DEPTH				10	3	4	5	6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	**61.8**	**21.5**	**20.4**	**32.2**
BAP EQUIVALENT-POS	22	15	C	1.6 U	**60.9**	**20.7**	**19.6**	**31.4**
BENZO(A)ANTHRACENE	220	150	C	1.2 U	29	11	11	22
BENZO(A)PYRENE	22	15	C	1.6 U	**50**	**17**	**16**	**24**
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	48	15	12	27
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	18	2.1 U	12	20
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243	SB-243	SB-243	SB-243	SB-243
SAMPLE ID				D-SB-243RE-10	D-SB-243RE-3	D-SB-243RE-4	D-SB-243RE-5	D-SB-243RE-6
SAMPLE DATE				20090915	20090915	20090915	20090915	20090915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				10	3	4	5	6
BOTTOM DEPTH				10	3	4	5	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.1 U	39	12	12	28
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.7 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	30	11	12	23
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	214	66	75	144
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243 D-SB-243RE-7 20090915 NORMAL SO NORMAL SB 7 7	SB-243 D-SB-243RE-8 20090915 ORIG SO NORMAL SB 8 8	SB-243 D-SB-243RE-8-AVG 20090915 AVG SO NORMAL SB 8 8	SB-243 D-SB-243RE-8-D 20090915 DUP SO NORMAL SB 8 8	SB-243 D-SB-243RE-9 20090915 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**15.3**	1.6 U	2.5	4.2	1.7 U
BAP EQUIVALENT-POS	22	15	C	14.4	1.6 U	1.6	2.3	1.7 U
BENZO(A)ANTHRACENE	220	150	C	10	1.2 UJ	5.8	11 J	1.2 U
BENZO(A)PYRENE	22	15	C	12	1.6 U	1.7 U	1.8 U	1.7 U
BENZO(B)FLUORANTHENE	220	150	C	14	1.5 UJ	6.375	12 J	1.6 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	2.25 U	2.4 U	2.2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243	SB-243	SB-243	SB-243	SB-243
SAMPLE ID				D-SB-243RE-7	D-SB-243RE-8	D-SB-243RE-8-AVG	D-SB-243RE-8-D	D-SB-243RE-9
SAMPLE DATE				20090915	20090915	20090915	20090915	20090915
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				7	8	8	8	9
BOTTOM DEPTH				7	8	8	8	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	12	1.1 UJ	5.775	11 J	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.7 U	1.8 U	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.95 U	2.1 U	2 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		48	0 U	17	34	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243A D-SB-243REA-4 20091012 NORMAL SO NORMAL SB 4 4	SB-243B D-SB-243REB-4 20091012 NORMAL SO NORMAL SB 4 4	SB-243C D-SB-243REC-4 20091012 NORMAL SO NORMAL SB 4 4	SB-243D D-SB-243RED-4 20091012 ORIG SO NORMAL SB 4 4	SB-243D D-SB-243RED-4-AVG 20091012 AVG SO NORMAL SB 4 4
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**85.9**	2.6	1.7 U	**25.6**	**21.6**
BAP EQUIVALENT-POS	22	15	C	**85.9**	0.86	1.7 U	**24.8**	**20.8**
BENZO(A)ANTHRACENE	220	150	C	50	1.2 U	1.2 U	20 J	15
BENZO(A)PYRENE	22	15	C	**56**	1.6 U	1.7 U	**19**	**16.5**
BENZO(B)FLUORANTHENE	220	150	C	95	8.6	1.5 U	21	19.5
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	28	2.1 U	2.2 U	10	5.5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-243A** **D-SB-243REA-4** **20091012** **NORMAL** **SO** **NORMAL** **SB** **4** **4**	**SB-243B** **D-SB-243REB-4** **20091012** **NORMAL** **SO** **NORMAL** **SB** **4** **4**	**SB-243C** **D-SB-243REC-4** **20091012** **NORMAL** **SO** **NORMAL** **SB** **4** **4**	**SB-243D** **D-SB-243RED-4** **20091012** **ORIG** **SO** **NORMAL** **SB** **4** **4**	**SB-243D** **D-SB-243RED-4-AVG** **20091012** **AVG** **SO** **NORMAL** **SB** **4** **4**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)									
CHRYSENE	22000	15000	C	74	1.1 U	1.1 U	20	18
DIBENZO(A,H)ANTHRACENE	22	15	C	11	1.6 U	1.7 U	1.6 U	1.55 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	40	1.8 U	1.9 U	16 J	8.45
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		354	8.6	0 U	106	82
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243D	SB-244	SB-244	SB-245	SB-245
SAMPLE ID				D-SB-243RED-4-D	SB-244-05	SB-244-10	SB-245-05	SB-245-10
SAMPLE DATE				20091012	20050607	20050607	20050607	20050607
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				4	5	10	5	10
BOTTOM DEPTH				4	5	10	5	10
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**17.7**	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	**16.8**	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	10 J	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	14	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	18	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243D	SB-244	SB-244	SB-245	SB-245
SAMPLE ID				D-SB-243RED-4-D	SB-244-05	SB-244-10	SB-245-05	SB-245-10
SAMPLE DATE				20091012	20050607	20050607	20050607	20050607
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				4	5	10	5	10
BOTTOM DEPTH				4	5	10	5	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	16	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 UJ	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		58	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	38 U	38 U	39 U	38 U
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	0 U	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-246 SB-246-05 20050607 NORMAL SO NORMAL SB 5 5	SB-246 SB-246-10 20050607 NORMAL SO NORMAL SB 10 10	SB-247 SB-247-05 20050607 NORMAL SO NORMAL SB 5 5	SB-247 SB-247-10 20050607 NORMAL SO NORMAL SB 10 10	SB-248 SB-248-05 20050607 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-246	SB-246	SB-247	SB-247	SB-248
SAMPLE ID				SB-246-05	SB-246-10	SB-247-05	SB-247-10	SB-248-05
SAMPLE DATE				20050607	20050607	20050607	20050607	20050607
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	10	5	10	5
BOTTOM DEPTH				5	10	5	10	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	38 U	40 U	40 U	42 U	40 U
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	0.7	1	0.8
ARSENIC	0.43	0.39	C	NA	NA	**4**	0.8 U	**6**
BARIUM	1600	1500	N	NA	NA	30	24	31
BERYLLIUM	16	16	N	NA	NA	2.5	1.3	1.8
CADMIUM	3.9	7	N	NA	NA	0.2	0.4	0.1
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	22.1	20.4	24.6
COBALT	NC	2.3	N	NA	NA	**10.7**	**6.2**	**11.4**
COPPER	310	310	N	NA	NA	21	34	21
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	18	7	9
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	0.1 K	0.002 U	0.06 K
MOLYBDENUM	NC	39	N	NA	NA	0.5 U	0.6 U	0.6 B
NICKEL	160	150	N	NA	NA	30	12	13
SELENIUM	39	39	N	NA	NA	2	4	5
SILVER	39	39	N	NA	NA	0.05 U	0.06 U	0.06 U
THALLIUM	0.55	NC		NA	NA	1 U	1 U	1 U
VANADIUM	7.8	39	N[13]	NA	NA	**33**	**28.4**	**40.3**
ZINC	2300	2300	N	NA	NA	57	83	65
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	0.37 UL	NA	0.36 UL
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	0.31 K	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-248	SB-249	SB-249	SB-318	SB-318
SAMPLE ID				SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506
SAMPLE DATE				20050607	20050607	20050607	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				10	5	10	2	5
BOTTOM DEPTH				10	5	10	3	6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	NA	NA	NA	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-248	SB-249	SB-249	SB-318	SB-318
SAMPLE ID				SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506
SAMPLE DATE				20050607	20050607	20050607	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				10	5	10	2	5
BOTTOM DEPTH				10	5	10	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	38 U	40 U	39 U	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	0.3 U	0.4	0.4 U	NA	NA
ARSENIC	0.43	0.39	C	**8**	3 B	**7**	NA	NA
BARIUM	1600	1500	N	13	42	17	NA	NA
BERYLLIUM	16	16	N	2.5	2.7	2.7	NA	NA
CADMIUM	3.9	7	N	0.1	0.3	0.2	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	37.2	18	49.3	NA	NA
COBALT	NC	2.3	N	**30.1**	**19.6**	**3.4**	NA	NA
COPPER	310	310	N	16	20	7	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		6	13	18	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.002 U	0.4 K	0.002 U	0.02 UL	0.029 L
MOLYBDENUM	NC	39	N	0.5 B	0.6 U	0.9 B	NA	NA
NICKEL	160	150	N	52	37	12	NA	NA
SELENIUM	39	39	N	4	4	5	NA	NA
SILVER	39	39	N	0.05 U	0.06 U	0.06 U	NA	NA
THALLIUM	0.55	NC		1 U	1 U	1 U	NA	NA
VANADIUM	7.8	39	N[13]	**51**	**24.5**	**90.5**	NA	NA
ZINC	2300	2300	N	39	137	10	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	85.3	88.6
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	0.35 UL	NA	0.35 UL	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	0.474 K	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-318	SB-319	SB-319	SB-319	SB-320
SAMPLE ID				SB-318-0809	SB-319-0203	SB-319-0506	SB-319-0809	SB-320-0203
SAMPLE DATE				20071031	20071031	20071031	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	2	5	8	2
BOTTOM DEPTH				9	3	6	9	3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	15	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	15	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	15 J	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-318	SB-319	SB-319	SB-319	SB-320
SAMPLE ID				SB-318-0809	SB-319-0203	SB-319-0506	SB-319-0809	SB-320-0203
SAMPLE DATE				20071031	20071031	20071031	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	2	5	8	2
BOTTOM DEPTH				9	3	6	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	15	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.055 L	0.043 L	0.024 L	0.026 L	0.028 L
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		85.2	89.3	87.9	85.1	88.4
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-320 SB-320-0506 20071031 NORMAL SO NORMAL SB 5 6	SB-320 SB-320-0809 20071031 NORMAL SO NORMAL SB 8 9	SB-321 SB-321-0203 20071031 NORMAL SO NORMAL SB 2 3	SB-321 SB-321-0506 20071031 NORMAL SO NORMAL SB 5 6	SB-321 SB-321-0809 20071031 NORMAL SO NORMAL SB 8 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	1.5 U	**940**	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	**940**	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	**940**	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-320	SB-320	SB-321	SB-321	SB-321
SAMPLE ID				SB-320-0506	SB-320-0809	SB-321-0203	SB-321-0506	SB-321-0809
SAMPLE DATE				20071031	20071031	20071031	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	8	2	5	8
BOTTOM DEPTH				6	9	3	6	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	940	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.019 UL	0.035 L	0.06 L	0.02 UL	0.02 UL
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		88.9	86.9	89.2	85.4	85
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-322 SB-322-0203 20071031 NORMAL SO NORMAL SB 2 3	SB-322 SB-322-0506 20071031 NORMAL SO NORMAL SB 5 6	SB-322 SB-322-0809 20071031 NORMAL SO NORMAL SB 8 9	SB-323 SB-323-0203 20071031 NORMAL SO NORMAL SB 2 3	SB-323 SB-323-0506 20071031 NORMAL SO NORMAL SB 5 6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	13	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	13	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	13 J	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-322	SB-322	SB-322	SB-323	SB-323
SAMPLE ID				SB-322-0203	SB-322-0506	SB-322-0809	SB-323-0203	SB-323-0506
SAMPLE DATE				20071031	20071031	20071031	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	5	8	2	5
BOTTOM DEPTH				3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		13	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.019 UL	0.035 L	0.019 UL	0.019 UL	0.019 UL
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		85.5	86.8	86.5	89.6	86.6
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-323	SB-324	SB-324	SB-324	SB-325
SAMPLE ID				SB-323-0809	SB-324-0203	SB-324-0506	SB-324-0809	SB-325-0203
SAMPLE DATE				20071031	20071031	20071031	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	2	5	8	2
BOTTOM DEPTH				9	3	6	9	3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	72
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	72
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	72 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-323	SB-324	SB-324	SB-324	SB-325
SAMPLE ID				SB-323-0809	SB-324-0203	SB-324-0506	SB-324-0809	SB-325-0203
SAMPLE DATE				20071031	20071031	20071031	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	2	5	8	2
BOTTOM DEPTH				9	3	6	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	72
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.057 L	0.036 L	0.031 L	0.034 L	0.057 L
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		83.1	89.6	87.5	87	88.2
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-325	SB-325	SB-326	SB-326	SB-326
SAMPLE ID				SB-325-0506	SB-325-0809	SB-326-0203	SB-326-0506	SB-326-0809
SAMPLE DATE				20071031	20071031	20071031	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	8	2	5	8
BOTTOM DEPTH				6	9	3	6	9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.5 U	1.5 U	**25**	1.5 U	**110**
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	**25**	1.5 U	**110**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	**25 J**	1.5 U	**110 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-325	SB-325	SB-326	SB-326	SB-326
SAMPLE ID				SB-325-0506	SB-325-0809	SB-326-0203	SB-326-0506	SB-326-0809
SAMPLE DATE				20071031	20071031	20071031	20071031	20071031
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	8	2	5	8
BOTTOM DEPTH				6	9	3	6	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	25	0 U	110
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.019 UL	0.02 UL	0.093 L	0.021 L	0.064 L
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		89.2	84.6	88	88.8	84.2
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-327	SB-327	SB-327	SB-328	SB-328
SAMPLE ID				SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	5	8	2	5
BOTTOM DEPTH				3	6	9	3	6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**130**	380 U	390 U	**170**	400 U
BAP EQUIVALENT-POS	22	15	C	**130**	380 U	390 U	**170**	400 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**130 J**	380 U	390 U	**170 J**	400 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-327	SB-327	SB-327	SB-328	SB-328
SAMPLE ID				SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	5	8	2	5
BOTTOM DEPTH				3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		130	0 U	0 U	170	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.27	0.029 B	0.02 B	0.33	0.023 B
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		82.8	85.9	84.6	86.9	82.6
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-328 SB-328-0809 20071101 NORMAL SO NORMAL SB 8 9	SB-329 SB-329-0203 20071101 NORMAL SO NORMAL SB 2 3	SB-329 SB-329-0506 20071101 NORMAL SO NORMAL SB 5 6	SB-329 SB-329-0809 20071101 NORMAL SO NORMAL SB 8 9	SB-330 SB-330-0203 20071101 NORMAL SO NORMAL SB 2 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**35**	**27**	410 U	390 U	**110**
BAP EQUIVALENT-POS	22	15	C	**35**	**27**	410 U	390 U	**110**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**35 J**	**27 J**	410 U	390 U	**110 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-328	SB-329	SB-329	SB-329	SB-330
SAMPLE ID				SB-328-0809	SB-329-0203	SB-329-0506	SB-329-0809	SB-330-0203
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	2	5	8	2
BOTTOM DEPTH				9	3	6	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		35	27	0 U	0 U	110
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.025 B	0.031 B	0.041 B	0.025 B	0.041 B
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		84.2	82.1	80.1	84.1	82.4
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-330	SB-330	SB-331	SB-331	SB-331
SAMPLE ID				SB-330-0506	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	8	2	5	8
BOTTOM DEPTH				6	9	3	6	9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**110**	380 U	**20**	390 U	400 U
BAP EQUIVALENT-POS	22	15	C	**110**	380 U	**20**	390 U	400 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**110 J**	380 U	**20 J**	390 U	400 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-330	SB-330	SB-331	SB-331	SB-331
SAMPLE ID				SB-330-0506	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	8	2	5	8
BOTTOM DEPTH				6	9	3	6	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		110	0 U	20	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.1 B	0.035 B	0.059 B	0.035 B	0.04 B
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		80.1	86.7	86.1	84.9	82.7
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-332	SB-332	SB-332	SB-333	SB-333
SAMPLE ID				SB-332-0203	SB-332-0506	SB-332-0809	SB-333-0203	SB-333-0506
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	5	8	2	5
BOTTOM DEPTH				3	6	9	3	6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**38**	410 U	**64**	410 U	380 U
BAP EQUIVALENT-POS	22	15	C	**38**	410 U	**64**	410 U	380 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**38 J**	410 U	**64 J**	410 U	380 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-332 SB-332-0203 20071101 NORMAL SO NORMAL SB 2 3**	**SB-332 SB-332-0506 20071101 NORMAL SO NORMAL SB 5 6**	**SB-332 SB-332-0809 20071101 NORMAL SO NORMAL SB 8 9**	**SB-333 SB-333-0203 20071101 NORMAL SO NORMAL SB 2 3**	**SB-333 SB-333-0506 20071101 NORMAL SO NORMAL SB 5 6**
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		38	0 U	64	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.064 B	0.034 B	0.035 B	0.062 B	0.036 B
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		86.1	80.8	82.3	81	86.4
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-333 SB-333-0809 20071101 NORMAL SO NORMAL SB 8 9	SB-334 SB-334-0203 20071101 NORMAL SO NORMAL SB 2 3	SB-334 SB-334-0506 20071101 NORMAL SO NORMAL SB 5 6	SB-334 SB-334-0809 20071101 NORMAL SO NORMAL SB 8 9	SB-335 SB-335-0203 20071101 NORMAL SO NORMAL SB 2 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	380 U	**88**	**64**	**30**	**20**
BAP EQUIVALENT-POS	22	15	C	380 U	**88**	**64**	**30**	**20**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	380 U	**88 J**	**64 J**	**30 J**	**20 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-333	SB-334	SB-334	SB-334	SB-335
SAMPLE ID				SB-333-0809	SB-334-0203	SB-334-0506	SB-334-0809	SB-335-0203
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	2	5	8	2
BOTTOM DEPTH				9	3	6	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	88	64	30	20
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.025 B	0.38	0.07 B	0.061 B	0.3
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		86.6	86.3	80.7	78.4	83.5
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-335 SB-335-0506 20071101 NORMAL SO NORMAL SB 5 6	SB-335 SB-335-0809 20071101 NORMAL SO NORMAL SB 8 9	SB-336 SB-336-0203 20071101 NORMAL SO NORMAL SB 2 3	SB-336 SB-336-0506 20071101 NORMAL SO NORMAL SB 5 6	SB-336 SB-336-0809 20071101 NORMAL SO NORMAL SB 8 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	13	400 U	380 U	420 U	**24**
BAP EQUIVALENT-POS	22	15	C	13	400 U	380 U	420 U	**24**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	13 J	400 U	380 U	420 U	**24 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-335	SB-335	SB-336	SB-336	SB-336
SAMPLE ID				SB-335-0506	SB-335-0809	SB-336-0203	SB-336-0506	SB-336-0809
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	8	2	5	8
BOTTOM DEPTH				6	9	3	6	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		13	0 U	0 U	0 U	24
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.06 B	0.027 B	0.066 B	0.04 B	0.35
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		82.6	83.2	87.3	79.2	81.7
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-337 SB-337-0203 20071101 NORMAL SO NORMAL SB 2 3	SB-337 SB-337-0506 20071101 NORMAL SO NORMAL SB 5 6	SB-337 SB-337-0809 20071101 NORMAL SO NORMAL SB 8 9	SB-338 SB-338-0203 20071101 NORMAL SO NORMAL SB 2 3	SB-338 SB-338-0506 20071101 NORMAL SO NORMAL SB 5 6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	13	**700**	4200 U	**40**	**50**
BAP EQUIVALENT-POS	22	15	C	13	**700**	4200 U	**40**	**50**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	13 J	**700 J**	4200 U	**40 J**	**50 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-337	SB-337	SB-337	SB-338	SB-338
SAMPLE ID				SB-337-0203	SB-337-0506	SB-337-0809	SB-338-0203	SB-338-0506
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	5	8	2	5
BOTTOM DEPTH				3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		13	700	0 U	40	50
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.4	0.093 B	0.82	0.42	0.042 B
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		84.8	80.3	79.4	82.4	81.7
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-338 SB-338-0809 20071101 NORMAL SO NORMAL SB 8 9	SB-339 SB-339-0203 20071101 NORMAL SO NORMAL SB 2 3	SB-339 SB-339-0506 20071101 NORMAL SO NORMAL SB 5 6	SB-339 SB-339-0809 20071101 NORMAL SO NORMAL SB 8 9	SB-340 SB-340-0203 20071101 NORMAL SO NORMAL SB 2 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	400 U	14	1.6 U	1.5 U	**110**
BAP EQUIVALENT-POS	22	15	C	400 U	14	1.6 U	1.5 U	**110**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	400 U	14 J	1.6 U	1.5 U	**110 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-338	SB-339	SB-339	SB-339	SB-340
SAMPLE ID				SB-338-0809	SB-339-0203	SB-339-0506	SB-339-0809	SB-340-0203
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	2	5	8	2
BOTTOM DEPTH				9	3	6	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	14	0 U	0 U	110
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.055 B	0.13 B	0.22 J	0.025 B	0.11 B
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		81.8	88.4	80.2	86.7	87.3
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-340 SB-340-0506 20071101 NORMAL SO NORMAL SB 5 6	SB-340 SB-340-0809 20071101 NORMAL SO NORMAL SB 8 9	SB-341 SB-341-0203 20071101 NORMAL SO NORMAL SB 2 3	SB-341 SB-341-0506 20071101 NORMAL SO NORMAL SB 5 6	SB-341 SB-341-0809 20071101 NORMAL SO NORMAL SB 8 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**30**	1.7 U	**23**	**25**	**38**
BAP EQUIVALENT-POS	22	15	C	**30**	1.7 U	**23**	**25**	**38**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**30 J**	1.7 U	**23 J**	**25 J**	**38 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-340	SB-340	SB-341	SB-341	SB-341
SAMPLE ID				SB-340-0506	SB-340-0809	SB-341-0203	SB-341-0506	SB-341-0809
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	8	2	5	8
BOTTOM DEPTH				6	9	3	6	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		30	0 U	23	25	38
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.39 L	0.042 B	0.073 B	0.29 L	0.31 L
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		82.3	77.7	85.3	77.8	66.1
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-342	SB-342	SB-342	SB-343	SB-343
SAMPLE ID				SB-342-0203	SB-342-0506	SB-342-0809	SB-343-0203	SB-343-0506
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	5	8	2	5
BOTTOM DEPTH				3	6	9	3	6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	**78**	**17**	2.1 U	11	1.7 U
BAP EQUIVALENT-POS	22	15	C	**78**	**17**	2.1 U	11	1.7 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**78 J**	**17 J**	2.1 U	11 J	1.7 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-342	SB-342	SB-342	SB-343	SB-343
SAMPLE ID				SB-342-0203	SB-342-0506	SB-342-0809	SB-343-0203	SB-343-0506
SAMPLE DATE				20071101	20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				2	5	8	2	5
BOTTOM DEPTH				3	6	9	3	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		78	17	0 U	11	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.19 J	0.84 L	0.043 B	0.15 B	0.19 J
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		84.1	73.7	62.5	79.6	75.4
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-343	SB-344	SB-344	SB-344
SAMPLE ID				SB-343-0809	SB-344-0203	SB-344-0506	SB-344-0809
SAMPLE DATE				20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB
TOP DEPTH				8	2	5	8
BOTTOM DEPTH				9	3	6	9
VOLATILES (UG/KG)							
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	C	1.6 U	1.6 U	1.6 U	1.8 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	1.6 U	1.8 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	1.6 U	1.8 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-343	SB-344	SB-344	SB-344
SAMPLE ID				SB-343-0809	SB-344-0203	SB-344-0506	SB-344-0809
SAMPLE DATE				20071101	20071101	20071101	20071101
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB
TOP DEPTH				8	2	5	8
BOTTOM DEPTH				9	3	6	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)							
CHRYSENE	22000	15000	C	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)							
4,4'-DDE	1900	1400	C	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.034 B	0.14 B	0.034 B	0.052 B
MOLYBDENUM	NC	39	N	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NC	NC		79.4	81.3	80.1	73.4
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		D-TP-1 D-TP-1-1-4-6 20100920 NORMAL SO NORMAL SB 4 6	D-TP-1 D-TP-1-2-8-10 20100920 NORMAL SO NORMAL SB 8 10	D-TP-1 D-TP-1-3-8-10 20100920 NORMAL SO NORMAL SB 8 10	D-TP-1 D-TP-1-4-4-6 20100920 NORMAL SO NORMAL SB 4 6	D-TP-1 D-TP-1-5-4-6 20100920 NORMAL SO NORMAL SB 4 6
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	3.8 U	3.9 U	280	3.9 U	3.7 U
2-METHYLNAPHTHALENE	31000	31000	N	3.8 U	3.9 U	420	8	3.7 U
ACENAPHTHENE	470000	340000	N	3.8 U	3.9 U	69	3.9 U	3.7 U
ACENAPHTHYLENE	470000	340000	N[6]	3.8 U	3.9 U	50	9.1	3.7 U
ANTHRACENE	2300000	1700000	N	3.8 U	3.9 U	52	11	3.7 U
BAP EQUIVALENT-HALFND	22	15	C	3.8 U	3.9 U	**66.8**	**71.6**	3.7 U
BAP EQUIVALENT-POS	22	15	C	3.8 U	3.9 U	**64.8**	**69.6**	3.7 U
BENZO(A)ANTHRACENE	220	150	C	3.8 U	3.9 U	29	40	3.7 U
BENZO(A)PYRENE	22	15	C	3.8 U	3.9 U	**54 J**	**54 J**	3.7 U
BENZO(B)FLUORANTHENE	220	150	C	3.8 U	3.9 U	39	70	3.7 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.8 U	13	41	29	3.7 U
BENZO(K)FLUORANTHENE	2200	1500	C	3.8 U	3.9 U	19	35	3.7 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		77 U	NA	NA	NA	75 U
C1-FLUORANTHENES/PYRENES	NC	NC		77 U	NA	NA	NA	75 U
C1-FLUORENES	NC	NC		77 U	NA	NA	NA	75 U
C1-PHENANTHRENES/ANTHRACENES	NC	NC		77 U	NA	NA	NA	75 U
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		77 U	NA	NA	NA	75 U
C2-FLUORENES	NC	NC		77 U	NA	NA	NA	75 U
C2-NAPHTHALENES	NC	NC		77 U	NA	NA	NA	75 U
C2-PHENANTHRENES/ANTHRACENES	NC	NC		77 U	NA	NA	NA	75 U
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		77 U	NA	NA	NA	75 U
C3-FLUORENES	NC	NC		77 U	NA	NA	NA	75 U
C3-NAPHTHALENES	NC	NC		77 U	NA	NA	NA	75 U
C3-PHENANTHRENES/ANTHRACENES	NC	NC		77 U	NA	NA	NA	75 U
C4-NAPHTHALENES	NC	NC		77 U	NA	NA	NA	75 U
C4-PHENANTHRENES/ANTHRACENES	NC	NC		77 U	NA	NA	NA	75 U

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		D-TP-1	D-TP-1	D-TP-1	D-TP-1	D-TP-1
SAMPLE ID				D-TP-1-1-4-6	D-TP-1-2-8-10	D-TP-1-3-8-10	D-TP-1-4-4-6	D-TP-1-5-4-6
SAMPLE DATE				20100920	20100920	20100920	20100920	20100920
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				4	8	8	4	4
BOTTOM DEPTH				6	10	10	6	6
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.3 U	1.3 U	44	51	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.8 U	3.9 U	4 U	3.9 U	3.7 U
FLUORANTHENE	310000	230000	N	3.8 U	3.9 U	60	110	3.7 U
FLUORENE	310000	230000	N	3.8 U	3.9 U	100	3.9 U	3.7 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.8 U	3.9 U	38 J	42 J	3.7 U
NAPHTHALENE	160000	3600	C	3.8 U	3.9 U	320	9.5	3.7 U
PHENANTHRENE	2300000	170000	N[7]	3.8 U	3.9 U	200	62	3.7 U
PYRENE	230000	170000	N	3.8 U	13	95	86	3.7 U
TOTAL PAHS	NC	NC		0 U	26	1630	616.6	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		D-TP-1 D-TP-1-6-8-10 20100920 NORMAL SO NORMAL SB 8 10	D-TP-2 D-TP-2-1-8-10 20100920 NORMAL SO NORMAL SB 8 10	D-TP-2 D-TP-2-2-6-7 20100920 NORMAL SO NORMAL SB 6 7	D-TP-2 D-TP-2-3-6-7 20100920 NORMAL SO NORMAL SB 6 7	D-TP-2 D-TP-2-4-8-10 20100921 NORMAL SO NORMAL SB 8 10
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA
BROMOMETHANE	11000	730	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	63000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	4 U	300	NA	610	3.8 U
2-METHYLNAPHTHALENE	31000	31000	N	4 U	320	NA	600	3.8 U
ACENAPHTHENE	470000	340000	N	4 U	88	NA	170	3.8 U
ACENAPHTHYLENE	470000	340000	N[6]	95	340	NA	420	3.8 U
ANTHRACENE	2300000	1700000	N	38	370	NA	490	3.8 U
BAP EQUIVALENT-HALFND	22	15	C	**178**	**507**	NA	**684**	3.8 U
BAP EQUIVALENT-POS	22	15	C	**177**	**503**	NA	**680**	3.8 U
BENZO(A)ANTHRACENE	220	150	C	4 U	**440**	NA	**650**	3.8 U
BENZO(A)PYRENE	22	15	C	**120 J**	**400 J**	NA	**540 J**	3.8 U
BENZO(B)FLUORANTHENE	220	150	C	110	**380**	NA	**480**	3.8 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	110	230	NA	300	3.8 U
BENZO(K)FLUORANTHENE	2200	1500	C	35	130	NA	210	3.8 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	3300 J	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	5900 J	NA	NA
C1-FLUORENES	NC	NC		NA	NA	1100 J	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	6900 J	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	1500 J	NA	NA
C2-FLUORENES	NC	NC		NA	NA	870 J	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	4100 J	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	3900 J	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	520 J	NA	NA
C3-FLUORENES	NC	NC		NA	NA	600 J	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	2800 J	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	1700 J	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	1300 J	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	520 J	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		D-TP-1	D-TP-2	D-TP-2	D-TP-2	D-TP-2
SAMPLE ID				D-TP-1-6-8-10	D-TP-2-1-8-10	D-TP-2-2-6-7	D-TP-2-3-6-7	D-TP-2-4-8-10
SAMPLE DATE				20100920	20100920	20100920	20100920	20100921
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				8	8	6	6	8
BOTTOM DEPTH				10	10	7	7	10
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	79	480	NA	660	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	**38 J**	8.2 U	NA	8 U	3.8 U
FLUORANTHENE	310000	230000	N	82	990	NA	1500	3.8 U
FLUORENE	310000	230000	N	4 U	380	NA	590	3.8 U
INDENO(1,2,3-CD)PYRENE	220	150	C	79 J	**190 J**	NA	**240 J**	3.8 U
NAPHTHALENE	160000	3600	C	8.9	280	NA	570	3.8 U
PHENANTHRENE	2300000	170000	N[7]	16	1700	NA	2700	3.8 U
PYRENE	230000	170000	N	140	1300	NA	2100	3.8 U
TOTAL PAHS	NC	NC		950.9	8018	NA	12220	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA
BETA-BHC	350	270	C	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		D-TP-2 D-TP-2-5-6-7 20100921 NORMAL SO NORMAL SB 6 7	D-TP-2 D-TP-2-6-6-7 20100921 NORMAL SO NORMAL SB 6 7	SB-790 D-SB-790-03 20100908 NORMAL SO NORMAL SB 3 3	SB-790 D-SB-790-05 20100908 NORMAL SO NORMAL SB 5 5	SB-790 D-SB-790-07 20100908 NORMAL SO NORMAL SB 7 7
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	0.44 U	0.42 U	0.44 U
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	0.14 U	0.14 U	0.19 J
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	0.55 U	0.52 U	0.55 U
2-BUTANONE	4700000	2800000	N	NA	NA	2 J	1.9 J	3.6 J
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	0.18 U	0.17 U	0.18 U
ACETONE	7000000	6100000	N	NA	NA	29 B	44 B	28 B
BENZENE	12000	1100	C	NA	NA	0.2 U	0.19 U	0.19 U
BROMOMETHANE	11000	730	N	NA	NA	0.46 U	0.44 U	0.45 U
CARBON DISULFIDE	780000	82000	N	NA	NA	0.37 U	0.35 U	0.67 J
ETHYLBENZENE	780000	5400	C	NA	NA	0.22 U	0.21 U	0.22 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	0.14 U	0.13 U	0.13 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	1 U	0.97 U	1 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	0.57 U	0.54 U	0.56 U
NAPHTHALENE	160000	3600	C	NA	NA	2.1 B	2.2 B	2.9 B
N-PROPYLBENZENE	NC	340000	N	NA	NA	0.34 U	0.32 U	0.34 U
O-XYLENE	1600000 [4]	380000	N	NA	NA	0.3 U	0.28 U	0.29 U
TOLUENE	630000	500000	N	NA	NA	0.23 U	0.22 U	0.23 U
TOTAL XYLENES	1600000	63000	N	NA	NA	0.57 U	0.54 U	0.56 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	22 U	90 U	23 U
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	12 U	47 U	12 U
CARBAZOLE	32000	NC		NA	NA	31 U	130 U	33 U
DIBENZOFURAN	7800	7800	N	NA	NA	14 J	58 J	29 J
DIMETHYL PHTHALATE	NC	NC		NA	NA	20 U	81 U	21 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	17 U	71 U	18 U
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	31 U	130 U	33 U
PHENOL	2300000	1800000	N	NA	NA	31 U	130 U	33 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	4.1 U	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	4.1 U	NA	8	16 U	64
ACENAPHTHENE	470000	340000	N	4.1 U	NA	34	140	20
ACENAPHTHYLENE	470000	340000	N[6]	4.1 U	NA	3.8 U	16 U	4 U
ANTHRACENE	2300000	1700000	N	4.1 U	NA	72	620	28
BAP EQUIVALENT-HALFND	22	15	C	4.1 U	NA	**224**	**1353**	**72.7**
BAP EQUIVALENT-POS	22	15	C	4.1 U	NA	**224**	**1345**	**70.7**
BENZO(A)ANTHRACENE	220	150	C	4.1 U	NA	**160**	**1500**	48
BENZO(A)PYRENE	22	15	C	4.1 U	NA	**140**	**1000**	**53**
BENZO(B)FLUORANTHENE	220	150	C	4.1 U	NA	**180**	**1400**	82
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4.1 U	NA	77	490	34
BENZO(K)FLUORANTHENE	2200	1500	C	4.1 U	NA	72	570	40
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	84 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	84 U	NA	NA	NA
C1-FLUORENES	NC	NC		NA	84 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	84 U	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	84 U	NA	NA	NA
C2-FLUORENES	NC	NC		NA	84 U	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	84 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	84 U	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	84 U	NA	NA	NA
C3-FLUORENES	NC	NC		NA	84 U	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	84 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	84 U	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	84 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	84 U	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		D-TP-2	D-TP-2	SB-790	SB-790	SB-790
SAMPLE ID				D-TP-2-5-6-7	D-TP-2-6-6-7	D-SB-790-03	D-SB-790-05	D-SB-790-07
SAMPLE DATE				20100921	20100921	20100908	20100908	20100908
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				6	6	3	5	7
BOTTOM DEPTH				7	7	3	5	7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.4 U	NA	140	1500	82
DIBENZO(A,H)ANTHRACENE	22	15	C	4.1 U	NA	**41**	16 U	4 U
FLUORANTHENE	310000	230000	N	4.1 U	NA	320	3700	110
FLUORENE	310000	230000	N	4.1 U	NA	30	180	29
INDENO(1,2,3-CD)PYRENE	220	150	C	4.1 U	NA	82	**480**	42
NAPHTHALENE	160000	3600	C	4.1 U	NA	13	34	45
PHENANTHRENE	2300000	170000	N[7]	4.1 U	NA	250	2100	120
PYRENE	230000	170000	N	4.1 U	NA	240	2900	87
TOTAL PAHS	NC	NC		0 U	NA	1859	16614	884
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	NA	NA	0.45 U	34 J	0.47 U
AROCLOR-1260	320	220	C	NA	NA	20 U	**240**	21 U
BETA-BHC	350	270	C	NA	NA	1.3 U	26 U	1.3 U
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	0 U	**240**	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	0.2 B	0.2 B	0.22 J
ARSENIC	0.43	0.39	C	NA	NA	**4.5**	**4.9**	**6.3**
BARIUM	1600	1500	N	NA	NA	33.8	31	27.8
BERYLLIUM	16	16	N	NA	NA	2.2	2	2.6
CADMIUM	3.9	7	N	NA	NA	0.12	0.4	0.12 L
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	19.5	18.3	18.9
COBALT	NC	2.3	N	NA	NA	**13.7**	**14.3**	**24.5**
COPPER	310	310	N	NA	NA	23.2	22.3	23.4
IRON	5500	5500	N	NA	NA	**21900**	**20200**	**22200**
LEAD	400	400		NA	NA	16.5	30.9	20.6
MANGANESE	160	180	N	NA	NA	84.9	112	78.4
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	0.36	0.21	0.63
MOLYBDENUM	NC	39	N	NA	NA	0.39	0.49	0.35
NICKEL	160	150	N	NA	NA	28.4	31	41.4
SELENIUM	39	39	N	NA	NA	2.3	2.4	3.5
SILVER	39	39	N	NA	NA	0.24 K	0.25 K	0.32 K
THALLIUM	0.55	NC		NA	NA	0.042 J	0.053 J	0.051 J
VANADIUM	7.8	39	N[13]	NA	NA	**29.6**	**27.5**	**28**
ZINC	2300	2300	N	NA	NA	61.1	87.5	77.9
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	12000	63000	230000
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	53 U	55 U	56 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	0.31 U	**0.57 J**	0.33 U
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-790 D-SB-790-09 20100908 NORMAL SO NORMAL SB 9 9	SB-791 D-SB-791-03 20100909 NORMAL SO NORMAL SB 3 3	SB-791 D-SB-791-05 20100909 NORMAL SO NORMAL SB 5 5	SB-791 D-SB-791-07 20100909 NORMAL SO NORMAL SB 7 7	SB-791 D-SB-791-09 20100909 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	0.46 U	0.47 U	0.56 U	0.44 U	0.52 U
1,2,3-TRIMETHYLBENZENE	NC	NC		0.15 U	0.15 U	0.18 U	0.15 U	0.17 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.58 U	0.58 U	0.7 U	0.55 U	0.65 U
2-BUTANONE	4700000	2800000	N	1.3 U	4.9 J	14	3.1 J	1.4 U
4-ISOPROPYLTOLUENE	NC	NC		0.19 U	0.19 U	0.23 U	0.18 U	0.21 U
ACETONE	7000000	6100000	N	11 B	49 B	400 J	220 B	68 B
BENZENE	12000	1100	C	0.21 U	0.21 U	0.25 U	0.2 U	0.23 U
BROMOMETHANE	11000	730	N	0.48 U	0.48 U	0.58 U	0.46 U	0.54 U
CARBON DISULFIDE	780000	82000	N	0.39 U	0.99 B	1.6 B	0.86 B	0.94 B
ETHYLBENZENE	780000	5400	C	0.23 U	0.23 U	0.28 U	0.22 U	0.26 U
ISOPROPYLBENZENE	780000	210000	N	0.14 U	0.14 U	0.17 U	0.14 U	0.16 U
M+P-XYLENES	1600000 [4]	63000	N[5]	1.1 U	1.1 U	1.3 U	1 U	1.2 U
METHYLENE CHLORIDE	85000	11000	C	0.6 U	0.84 B	1.1 B	0.9 B	0.98 B
NAPHTHALENE	160000	3600	C	0.17 U	1.6 B	1.1 B	0.75 B	0.93 B
N-PROPYLBENZENE	NC	340000	N	0.36 U	0.36 U	0.43 U	0.34 U	0.4 U
O-XYLENE	1600000 [4]	380000	N	0.31 U	0.31 U	0.38 U	0.3 U	0.35 U
TOLUENE	630000	500000	N	0.24 U	0.24 U	0.29 U	0.23 U	0.27 U
TOTAL XYLENES	1600000	63000	N	0.6 U	0.6 U	0.72 U	0.57 U	0.67 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	24 U	23 U	52 J	23 U	22 U
BUTYL BENZYL PHTHALATE	NC	260000	C	13 U	12 U	13 U	12 U	11 U
CARBAZOLE	32000	NC		34 U	33 U	34 U	32 U	31 U
DIBENZOFURAN	7800	7800	N	4.2 U	4 U	4.2 U	3.9 U	3.8 U
DIMETHYL PHTHALATE	NC	NC		22 U	21 U	22 U	20 U	19 U
DI-N-BUTYL PHTHALATE	780000	610000	N	19 U	18 U	19 U	18 U	17 U
DI-N-OCTYL PHTHALATE	NC	NC		34 U	33 U	34 U	32 U	31 U
PHENOL	2300000	1800000	N	34 U	33 U	34 U	32 U	31 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	4.2 U	8.6	4.2 U	3.9 U	3.8 U
ACENAPHTHENE	470000	340000	N	4.2 U	17	4.2 U	3.9 U	3.8 U
ACENAPHTHYLENE	470000	340000	N[6]	4.2 U	4 U	4.2 U	3.9 U	3.8 U
ANTHRACENE	2300000	1700000	N	4.2 U	16	4.2 U	3.9 U	3.8 U
BAP EQUIVALENT-HALFND	22	15	C	4.2 U	**60.2**	4.2 U	3.9 U	3.8 U
BAP EQUIVALENT-POS	22	15	C	4.2 U	**58.2**	4.2 U	3.9 U	3.8 U
BENZO(A)ANTHRACENE	220	150	C	4.2 U	46	4.2 U	3.9 U	3.8 U
BENZO(A)PYRENE	22	15	C	4.2 U	**44**	4.2 U	3.9 U	3.8 U
BENZO(B)FLUORANTHENE	220	150	C	4.2 U	65	4.2 U	3.9 U	3.8 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4.2 U	33	4.2 U	3.9 U	3.8 U
BENZO(K)FLUORANTHENE	2200	1500	C	4.2 U	24	4.2 U	3.9 U	3.8 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-790	SB-791	SB-791	SB-791	SB-791
SAMPLE ID				D-SB-790-09	D-SB-791-03	D-SB-791-05	D-SB-791-07	D-SB-791-09
SAMPLE DATE				20100908	20100909	20100909	20100909	20100909
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				9	3	5	7	9
BOTTOM DEPTH				9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.4 U	51	1.4 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4.2 U	4 U	4.2 U	3.9 U	3.8 U
FLUORANTHENE	310000	230000	N	4.2 U	95	4.2 U	3.9 U	3.8 U
FLUORENE	310000	230000	N	4.2 U	15	4.2 U	3.9 U	3.8 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4.2 U	28	4.2 U	3.9 U	3.8 U
NAPHTHALENE	160000	3600	C	4.2 U	13	4.2 U	3.9 U	3.8 U
PHENANTHRENE	2300000	170000	N[7]	4.2 U	76	4.2 U	3.9 U	3.8 U
PYRENE	230000	170000	N	4.2 U	75	4.2 U	3.9 U	3.8 U
TOTAL PAHS	NC	NC		0 U	606.6	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	0.5 U	0.94 U	0.5 U	0.46 U	0.45 U
AROCLOR-1260	320	220	C	22 U	21 U	22 U	20 U	19 U
BETA-BHC	350	270	C	1.4 U	2.7 U	1.4 U	1.3 U	1.3 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	0.23 J	0.26 B	0.14 B	0.3 B	0.027 UL
ARSENIC	0.43	0.39	C	**4.1**	**5.4 L**	**3.7 L**	**7.9 L**	**5 L**
BARIUM	1600	1500	N	19.8	20.6	14.9	12.6	7.4
BERYLLIUM	16	16	N	2.5	3.1 J	1.6 J	3.4 J	0.82 J
CADMIUM	3.9	7	N	0.044 J	0.027 B	0.022 B	0.019 B	0.017 B
CHROMIUM	12000 [10]	12000	N[10]	23.7	23.8	16.9	31	2.2
COBALT	NC	2.3	N	**4.6**	**10.9**	**4.3**	**10.3**	**3.4**
COPPER	310	310	N	30.1 L	15.1	22	24.7	4.7
IRON	5500	5500	N	**33200**	**37400**	**22100**	**50200**	1420
LEAD	400	400		9.3	13.4	5.5	6.7	5.6
MANGANESE	160	180	N	62.4	90.1 J	28.4 J	**161 J**	7.2 J
MERCURY	2.3 [11]	2.3	N[12]	0.019 U	0.018 U	0.019 U	0.018 U	0.017 U
MOLYBDENUM	NC	39	N	0.46	0.52	0.63	0.8	0.072 U
NICKEL	160	150	N	15.3	40.7	10.7	36.2	5.3
SELENIUM	39	39	N	1 J	1.4 L	0.98 L	2.4 L	7.2 L
SILVER	39	39	N	0.024 B	0.019 U	0.024 B	0.019 U	0.018 U
THALLIUM	0.55	NC		0.12 B	0.082 J	0.11 J	0.079 J	0.064 J
VANADIUM	7.8	39	N[13]	**42**	**37.5**	**30.9**	**51.2**	2.1
ZINC	2300	2300	N	39.2 J	40.1	31.6	41.3	8.7
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		9800 J	41000	22000	5400 J	3200 U
GASOLINE RANGE ORGANICS	230000	NC		59 U	56 U	59 U	55 U	53 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	**0.55 J**	0.33 U	**0.9 J**	0.32 U	**0.39 J**
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-792 D-SB-792-03 20100909 NORMAL SO NORMAL SB 3 3	SB-792 D-SB-792-05 20100909 NORMAL SO NORMAL SB 5 5	SB-792 D-SB-792-07 20100909 NORMAL SO NORMAL SB 7 7	SB-792 D-SB-792-09 20100909 NORMAL SO NORMAL SB 9 9	SB-793 D-SB-793-03 20100909 NORMAL SO NORMAL SB 3 3
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	0.44 U	0.46 U	0.44 U	0.44 U	0.48 U
1,2,3-TRIMETHYLBENZENE	NC	NC		0.21 J	0.15 U	0.14 U	0.14 U	0.16 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.55 U	0.58 U	0.54 U	0.55 U	0.6 U
2-BUTANONE	4700000	2800000	N	52	3.7 J	1.6 J	1.2 U	22
4-ISOPROPYLTOLUENE	NC	NC		0.18 U	0.19 U	0.18 U	0.18 U	0.19 U
ACETONE	7000000	6100000	N	240 J	160 B	18 B	310 J	100 B
BENZENE	12000	1100	C	0.19 U	0.21 U	0.19 U	0.19 U	0.21 U
BROMOMETHANE	11000	730	N	0.45 U	0.48 U	0.45 U	0.46 U	0.49 U
CARBON DISULFIDE	780000	82000	N	2 B	0.87 B	0.83 B	0.37 U	1.8 B
ETHYLBENZENE	780000	5400	C	0.22 U	0.23 U	0.22 U	0.22 U	0.24 U
ISOPROPYLBENZENE	780000	210000	N	0.13 U	0.14 U	0.13 U	0.13 U	0.15 U
M+P-XYLENES	1600000 [4]	63000	N[5]	1 U	1.1 U	1 U	1 U	1.1 U
METHYLENE CHLORIDE	85000	11000	C	0.79 B	0.78 B	0.82 B	1 B	0.93 B
NAPHTHALENE	160000	3600	C	2.1 B	0.8 B	0.75 B	0.76 B	1.1 B
N-PROPYLBENZENE	NC	340000	N	0.34 U	0.36 U	0.34 U	0.34 U	0.37 U
O-XYLENE	1600000 [4]	380000	N	0.29 U	0.31 U	0.29 U	0.3 U	0.32 U
TOLUENE	630000	500000	N	0.71 J	0.24 U	0.41 J	0.23 U	0.25 U
TOTAL XYLENES	1600000	63000	N	0.56 U	0.6 U	0.56 U	0.57 U	0.61 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	22 U	23 U	23 U	22 U	30 J
BUTYL BENZYL PHTHALATE	NC	260000	C	12 U	12 U	12 U	12 U	12 U
CARBAZOLE	32000	NC		32 U	33 U	32 U	32 U	33 U
DIBENZOFURAN	7800	7800	N	3.9 U	4 U	3.9 U	3.9 U	4 U
DIMETHYL PHTHALATE	NC	NC		20 U	21 U	20 U	20 U	21 U
DI-N-BUTYL PHTHALATE	780000	610000	N	18 U	18 U	18 U	18 U	18 U
DI-N-OCTYL PHTHALATE	NC	NC		32 U	33 U	32 U	32 U	33 U
PHENOL	2300000	1800000	N	32 U	33 U	32 U	32 U	33 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	4 U	3.9 U	3.9 U	4 U
ACENAPHTHENE	470000	340000	N	8.2	4 U	3.9 U	3.9 U	4 U
ACENAPHTHYLENE	470000	340000	N[6]	3.9 U	4 U	3.9 U	3.9 U	4 U
ANTHRACENE	2300000	1700000	N	3.9 U	4 U	3.9 U	3.9 U	4 U
BAP EQUIVALENT-HALFND	22	15	C	5.1	4 U	3.9 U	3.9 U	**22.6**
BAP EQUIVALENT-POS	22	15	C	0.80	4 U	3.9 U	3.9 U	**20.6**
BENZO(A)ANTHRACENE	220	150	C	3.9 U	4 U	3.9 U	3.9 U	17
BENZO(A)PYRENE	22	15	C	3.9 U	4 U	3.9 U	3.9 U	**16**
BENZO(B)FLUORANTHENE	220	150	C	7.9	4 U	3.9 U	3.9 U	18
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.9 U	4 U	3.9 U	3.9 U	10
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 U	4 U	3.9 U	3.9 U	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-792	SB-792	SB-792	SB-792	SB-793
SAMPLE ID				D-SB-792-03	D-SB-792-05	D-SB-792-07	D-SB-792-09	D-SB-793-03
SAMPLE DATE				20100909	20100909	20100909	20100909	20100909
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	3
BOTTOM DEPTH				3	5	7	9	3
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	7.8	1.3 U	1.3 U	1.3 U	19
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	4 U	3.9 U	3.9 U	4 U
FLUORANTHENE	310000	230000	N	11	4 U	3.9 U	3.9 U	36
FLUORENE	310000	230000	N	3.9 U	4 U	3.9 U	3.9 U	4 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	4 U	3.9 U	3.9 U	9.2
NAPHTHALENE	160000	3600	C	3.9 U	4 U	3.9 U	3.9 U	4 U
PHENANTHRENE	2300000	170000	N[7]	3.9 U	4 U	3.9 U	3.9 U	22
PYRENE	230000	170000	N	8.1	4 U	3.9 U	3.9 U	27
TOTAL PAHS	NC	NC		43	0 U	0 U	0 U	187.2
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	0.46 U	0.47 U	0.47 U	0.46 U	0.48 U
AROCLOR-1260	320	220	C	20 U	21 U	20 U	20 U	21 U
BETA-BHC	350	270	C	1.3 J	1.3 U	1.3 U	1.3 U	1.3 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	0.28 UL	0.23 B	0.21 B	0.22 B	0.3 B
ARSENIC	0.43	0.39	C	**5.4 L**	**4.4 L**	**2.9 L**	**3.8 L**	**5.6 L**
BARIUM	1600	1500	N	40.6	16.7	12.2	10.3	26.5
BERYLLIUM	16	16	N	1.5 J	1.9 J	1.7 J	2.7 J	2.2 J
CADMIUM	3.9	7	N	0.24 B	0.026 B	0.0093 UL	0.02 B	0.3 B
CHROMIUM	12000 [10]	12000	N[10]	19.6	22.3	17.9	24.8	20.1
COBALT	NC	2.3	N	**33**	**7**	**7.1**	**12.1**	**15.7**
COPPER	310	310	N	31.1	20.4	13	18.2	32.8
IRON	5500	5500	N	**18800**	**35700**	**27100**	**42300**	**25900**
LEAD	400	400		54.1	5.2	3.3	2.9	26.4
MANGANESE	160	180	N	88.8 J	53.1 J	40.2 J	30 J	69.5 J
MERCURY	2.3 [11]	2.3	N[12]	1.3	0.018 U	0.018 U	0.018 U	0.47
MOLYBDENUM	NC	39	N	0.53	0.65	0.57	0.74	0.49
NICKEL	160	150	N	37	18.7	19	30.1	34.2
SELENIUM	39	39	N	2 L	0.84 L	0.99 L	1.1 L	3 L
SILVER	39	39	N	1.9	0.019 U	0.019 U	0.019 U	0.37
THALLIUM	0.55	NC		0.15 U	0.099 J	0.064 J	0.06 J	0.069 J
VANADIUM	7.8	39	N[13]	**29**	**46**	**35.9**	**67.2**	**30.8**
ZINC	2300	2300	N	111	33.6	19	31.2	68.6
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		83000	8000 J	7800 J	4100 J	47000
GASOLINE RANGE ORGANICS	230000	NC		54 U	56 U	55 U	54 U	56 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	0.32 U	**0.56 J**	0.32 U	0.32 U	**0.42 J**
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-793 D-SB-793-05 20100909 NORMAL SO NORMAL SB 5 5	SB-793 D-SB-793-07 20100909 NORMAL SO NORMAL SB 7 7	SB-793 D-SB-793-09 20100909 NORMAL SO NORMAL SB 9 9	SB-794 D-SB-794-03 20100909 NORMAL SO NORMAL SB 3 3	SB-794 D-SB-794-05 20100909 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	0.45 U	0.5 U	1.1 J	0.4 U	0.43 U
1,2,3-TRIMETHYLBENZENE	NC	NC		0.15 U	0.16 U	0.15 U	0.13 U	0.14 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.57 U	0.62 U	0.57 U	0.51 U	0.54 U
2-BUTANONE	4700000	2800000	N	1.2 U	5.1 J	1.2 U	3 J	6.8 J
4-ISOPROPYLTOLUENE	NC	NC		0.18 U	0.2 U	0.18 U	0.16 U	0.17 U
ACETONE	7000000	6100000	N	29 B	190 B	5.5 U	31 B	62 B
BENZENE	12000	1100	C	0.2 U	0.22 U	0.2 U	0.18 U	0.19 U
BROMOMETHANE	11000	730	N	0.47 U	0.51 U	0.47 U	0.42 U	0.45 U
CARBON DISULFIDE	780000	82000	N	0.81 B	1 B	0.38 U	0.99 B	1 B
ETHYLBENZENE	780000	5400	C	0.23 U	0.25 U	0.23 U	0.2 U	0.22 U
ISOPROPYLBENZENE	780000	210000	N	0.14 U	0.15 U	0.14 U	0.12 U	0.13 U
M+P-XYLENES	1600000 [4]	63000	N[5]	1 U	1.1 U	1 U	0.93 U	1 U
METHYLENE CHLORIDE	85000	11000	C	0.83 B	1.2 B	0.76 B	0.52 U	0.56 U
NAPHTHALENE	160000	3600	C	0.75 B	0.84 B	0.76 B	0.15 U	0.16 U
N-PROPYLBENZENE	NC	340000	N	0.35 U	0.38 U	0.35 U	0.31 U	0.33 U
O-XYLENE	1600000 [4]	380000	N	0.31 U	0.33 U	0.3 U	0.27 U	0.29 U
TOLUENE	630000	500000	N	0.24 U	0.26 U	0.23 U	0.21 U	0.22 U
TOTAL XYLENES	1600000	63000	N	0.59 U	0.64 U	0.58 U	0.52 U	0.56 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	23 U	23 U	32 J	22 UJ	24 U
BUTYL BENZYL PHTHALATE	NC	260000	C	12 U	12 U	12 U	12 UJ	12 U
CARBAZOLE	32000	NC		33 U	33 U	32 U	32 UJ	34 U
DIBENZOFURAN	7800	7800	N	4.1 U	4 U	3.9 U	35 J	4.1 U
DIMETHYL PHTHALATE	NC	NC		21 U	21 U	20 U	20 UJ	21 U
DI-N-BUTYL PHTHALATE	780000	610000	N	18 U	18 U	18 U	18 UJ	19 U
DI-N-OCTYL PHTHALATE	NC	NC		33 U	33 U	32 U	32 UJ	34 U
PHENOL	2300000	1800000	N	33 U	33 U	32 U	32 UJ	34 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	4.1 U	4 U	3.9 U	59 J	4.1 U
ACENAPHTHENE	470000	340000	N	4.1 U	4 U	3.9 U	39 J	4.1 U
ACENAPHTHYLENE	470000	340000	N[6]	4.1 U	4 U	3.9 U	3.9 UJ	4.1 U
ANTHRACENE	2300000	1700000	N	4.1 U	4 U	3.9 U	48 J	4.1 U
BAP EQUIVALENT-HALFND	22	15	C	4.1 U	4 U	3.9 U	**137**	4.1 U
BAP EQUIVALENT-POS	22	15	C	4.1 U	4 U	3.9 U	**135**	4.1 U
BENZO(A)ANTHRACENE	220	150	C	4.1 U	4 U	3.9 U	110 J	4.1 U
BENZO(A)PYRENE	22	15	C	4.1 U	4 U	3.9 U	**100 J**	4.1 U
BENZO(B)FLUORANTHENE	220	150	C	4.1 U	4 U	3.9 U	**160 J**	4.1 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4.1 U	4 U	3.9 U	75 J	4.1 U
BENZO(K)FLUORANTHENE	2200	1500	C	4.1 U	4 U	3.9 U	63 J	4.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-793	SB-793	SB-793	SB-794	SB-794
SAMPLE ID				D-SB-793-05	D-SB-793-07	D-SB-793-09	D-SB-794-03	D-SB-794-05
SAMPLE DATE				20100909	20100909	20100909	20100909	20100909
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5
BOTTOM DEPTH				5	7	9	3	5
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.4 U	1.3 U	1.3 U	130 J	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4.1 U	4 U	3.9 U	3.9 UJ	4.1 U
FLUORANTHENE	310000	230000	N	4.1 U	4 U	3.9 U	210 J	4.1 U
FLUORENE	310000	230000	N	4.1 U	4 U	3.9 U	38 J	4.1 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4.1 U	4 U	3.9 U	77 J	4.1 U
NAPHTHALENE	160000	3600	C	4.1 U	4 U	3.9 U	47 J	4.1 U
PHENANTHRENE	2300000	170000	N[7]	4.1 U	4 U	3.9 U	190 J	4.1 U
PYRENE	230000	170000	N	4.1 U	4 U	3.9 U	170 J	4.1 U
TOTAL PAHS	NC	NC		0 U	0 U	0 U	1516	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	4.8 U	0.48 U	0.46 U	2.3 U	0.48 U
AROCLOR-1260	320	220	C	21 U	21 U	20 U	20 U	21 U
BETA-BHC	350	270	C	14 U	1.3 U	1.3 U	6.5 U	1.4 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	0.12 B	0.15 B	0.3 B	0.28 B	0.18 B
ARSENIC	0.43	0.39	C	**3.6 L**	**4.1 L**	**3.6 J**	**5.5 J**	**7 J**
BARIUM	1600	1500	N	15.6	10.7	15.7	40.2	11.3
BERYLLIUM	16	16	N	0.92 J	1.4 J	2.6 J	2.3 J	1 J
CADMIUM	3.9	7	N	0.0096 UL	0.0095 UL	0.028 B	0.2 B	0.02 B
CHROMIUM	12000 [10]	12000	N[10]	18.7	23.5	27.3 J	19.4 J	25.9 J
COBALT	NC	2.3	N	**5.3**	**4.7**	**18.2 J**	**30 J**	**4.4 J**
COPPER	310	310	N	21.5	26.2	27.8 J	27.7 J	23.1 J
IRON	5500	5500	N	**27600**	**29300**	**35600 J**	**30900 J**	**36000 J**
LEAD	400	400		4.7	3.7	4	33.3	4.8
MANGANESE	160	180	N	15.2 J	20.4 J	69.4 J	**326 J**	28.2 J
MERCURY	2.3 [11]	2.3	N[12]	0.018 U	0.018 U	0.018 U	0.7	0.019 U
MOLYBDENUM	NC	39	N	0.55	0.4	0.59	0.63	0.53
NICKEL	160	150	N	10.2	10.9	39.4 J	40.8 J	14 J
SELENIUM	39	39	N	0.73 L	0.81 L	1.3 L	1.8 L	0.49 J
SILVER	39	39	N	0.02 U	0.02 U	0.019 U	0.88	0.02 U
THALLIUM	0.55	NC		0.069 J	0.044 J	0.1 J	0.077 U	0.05 J
VANADIUM	7.8	39	N[13]	**41.9**	**39.1**	**46 J**	**29.9 J**	**48.7 J**
ZINC	2300	2300	N	20.3	17.5	43.3 L	94.1 L	21.7 L
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		7900 J	5300 J	7700 J	70000	8400 J
GASOLINE RANGE ORGANICS	230000	NC		57 U	56 U	55 U	54 U	57 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	0.33 U	**0.48 J**	0.32 U	0.32 U	0.34 U
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-4
Detected Concentrations Table for Subsurface Soil, 2 -10 feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-794 D-SB-794-07 20100909 NORMAL SO NORMAL SB 7 7	SB-794 D-SB-794-09 20100909 NORMAL SO NORMAL SB 9 9	SB-795 D-SB-795-03 20100909 NORMAL SO NORMAL SB 3 3	SB-795 D-SB-795-05 20100909 NORMAL SO NORMAL SB 5 5	SB-795 D-SB-795-07 20100909 NORMAL SO NORMAL SB 7 7
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	0.48 U	0.44 U	0.5 U	0.61 U	0.43 U
1,2,3-TRIMETHYLBENZENE	NC	NC		0.16 U	0.15 U	0.16 U	0.2 U	0.14 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.6 U	0.55 U	0.63 U	0.76 U	0.53 U
2-BUTANONE	4700000	2800000	N	1.7 J	1.2 U	1.9 J	15	2.2 J
4-ISOPROPYLTOLUENE	NC	NC		0.19 U	0.18 U	0.2 U	0.24 U	0.17 U
ACETONE	7000000	6100000	N	15 B	5.4 U	9.2 B	70 B	15 B
BENZENE	12000	1100	C	0.21 U	0.2 U	0.22 U	0.27 U	0.19 U
BROMOMETHANE	11000	730	N	0.5 U	0.46 U	0.52 U	0.63 U	0.44 U
CARBON DISULFIDE	780000	82000	N	0.87 B	0.38 U	0.99 B	2 B	0.89 B
ETHYLBENZENE	780000	5400	C	0.24 U	0.22 U	0.25 U	0.3 U	0.21 U
ISOPROPYLBENZENE	780000	210000	N	0.15 U	0.14 U	0.15 U	0.19 U	0.13 U
M+P-XYLENES	1600000 [4]	63000	N[5]	1.1 U	1 U	1.2 U	1.4 U	0.99 U
METHYLENE CHLORIDE	85000	11000	C	0.62 U	0.57 U	2.7 B	0.78 U	0.55 U
NAPHTHALENE	160000	3600	C	0.8 B	0.72 B	0.84 B	1 B	0.16 U
N-PROPYLBENZENE	NC	340000	N	0.37 U	0.34 U	0.39 U	0.47 U	0.33 U
O-XYLENE	1600000 [4]	380000	N	0.32 U	0.3 U	0.34 U	0.41 U	0.29 U
TOLUENE	630000	500000	N	0.25 U	0.23 U	0.26 U	0.31 U	0.22 U
TOTAL XYLENES	1600000	63000	N	0.62 U	0.57 U	0.65 U	0.78 U	0.55 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	24 U	23 J	23 J	28 U	24 U
BUTYL BENZYL PHTHALATE	NC	260000	C	12 U	12 U	12 U	15 U	36 J
CARBAZOLE	32000	NC		34 U	31 U	33 U	40 U	34 U
DIBENZOFURAN	7800	7800	N	4.1 U	3.8 U	4 U	4.9 U	4.1 U
DIMETHYL PHTHALATE	NC	NC		21 U	20 U	21 U	25 U	21 U
DI-N-BUTYL PHTHALATE	780000	610000	N	19 U	17 U	18 U	22 U	19 U
DI-N-OCTYL PHTHALATE	NC	NC		34 U	31 U	33 U	40 U	34 U
PHENOL	2300000	1800000	N	34 U	31 U	33 U	40 U	34 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	4.1 U	3.8 U	4 U	4.9 U	4.1 U
ACENAPHTHENE	470000	340000	N	4.1 U	3.8 U	4 U	4.9 U	4.1 U
ACENAPHTHYLENE	470000	340000	N[6]	4.1 U	3.8 U	4 U	4.9 U	4.1 U
ANTHRACENE	2300000	1700000	N	4.1 U	3.8 U	4 U	4.9 U	4.1 U
BAP EQUIVALENT-HALFND	22	15	C	4.1 U	3.8 U	**19.6**	7.3	4.1 U
BAP EQUIVALENT-POS	22	15	C	4.1 U	3.8 U	**17.0**	1.9	4.1 U
BENZO(A)ANTHRACENE	220	150	C	4.1 U	3.8 U	4 U	4.9 U	4.1 U
BENZO(A)PYRENE	22	15	C	4.1 U	3.8 U	**17**	4.9 U	4.1 U
BENZO(B)FLUORANTHENE	220	150	C	4.1 U	3.8 U	4 U	19	4.1 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4.1 U	3.8 U	4 U	4.9 U	4.1 U
BENZO(K)FLUORANTHENE	2200	1500	C	4.1 U	3.8 U	4 U	4.9 U	4.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-794 D-SB-794-07 20100909 NORMAL SO NORMAL SB 7 7	SB-794 D-SB-794-09 20100909 NORMAL SO NORMAL SB 9 9	SB-795 D-SB-795-03 20100909 NORMAL SO NORMAL SB 3 3	SB-795 D-SB-795-05 20100909 NORMAL SO NORMAL SB 5 5	SB-795 D-SB-795-07 20100909 NORMAL SO NORMAL SB 7 7
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.4 U	1.3 U	1.3 U	1.6 U	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4.1 U	3.8 U	4 U	4.9 U	4.1 U
FLUORANTHENE	310000	230000	N	4.1 U	3.8 U	10	10	4.1 U
FLUORENE	310000	230000	N	4.1 U	3.8 U	4 U	4.9 U	4.1 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4.1 U	3.8 U	4 U	4.9 U	4.1 U
NAPHTHALENE	160000	3600	C	4.1 U	3.8 U	11	4.9 U	4.1 U
PHENANTHRENE	2300000	170000	N[7]	4.1 U	3.8 U	9	4.9 U	4.1 U
PYRENE	230000	170000	N	4.1 U	3.8 U	4 U	4.9 U	4.1 U
TOTAL PAHS	NC	NC		0 U	0 U	47	29	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	0.48 U	0.45 U	0.47 UJ	0.58 UJ	0.49 UJ
AROCLOR-1260	320	220	C	21 U	20 U	21 U	25 U	21 U
BETA-BHC	350	270	C	1.4 U	1.3 U	1.3 UJ	1.6 UJ	1.4 UJ
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	0.3 B	0.075 B	0.29 B	0.087 B	0.24 B
ARSENIC	0.43	0.39	C	**6.1 J**	**5.6 J**	**5.8 J**	**3.9 J**	**5.7 J**
BARIUM	1600	1500	N	8.1	11.6	25.3	20.5	23.7
BERYLLIUM	16	16	N	1.1 J	0.46 J	6.6 J	0.97 J	4.2 J
CADMIUM	3.9	7	N	0.0097 UL	0.009 UL	0.042 B	0.015 B	0.11 B
CHROMIUM	12000 [10]	12000	N[10]	29.7 J	8.1 J	25.6 J	16.7 J	20.9 J
COBALT	NC	2.3	N	**6 J**	**3 J**	**27.3 J**	**6.7 J**	**20.7 J**
COPPER	310	310	N	29.7 J	6.6 J	40.9 J	18.1 J	32.9 J
IRON	5500	5500	N	**46500 J**	4650 J	**39700 J**	**20800 J**	**37200 J**
LEAD	400	400		4.6	4.1	12.4	8.2	10.5
MANGANESE	160	180	N	44.9 J	5.9 J	110 J	28.1 J	74.5 J
MERCURY	2.3 [11]	2.3	N[12]	0.019 U	0.017 U	0.018 U	0.022 U	0.023 J
MOLYBDENUM	NC	39	N	0.57	0.073 U	0.45	0.86	0.39
NICKEL	160	150	N	16.7 J	4.7 J	53.2 J	13.3 J	42.5 J
SELENIUM	39	39	N	0.63 L	2.1 L	4.1 L	0.69 J	4.1 L
SILVER	39	39	N	0.02 U	0.018 U	0.028 B	0.024 U	0.034 B
THALLIUM	0.55	NC		0.036 J	0.11 J	0.079 J	0.084 J	0.09 J
VANADIUM	7.8	39	N[13]	**55 J**	**7.9 J**	**42.7 J**	**33.3 J**	**32.7 J**
ZINC	2300	2300	N	19.2 L	7 L	123 L	28.1 L	108 L
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		5100 J	3200 UJ	11000 J	33000	4200 J
GASOLINE RANGE ORGANICS	230000	NC		57 U	53 UJ	56 UJ	68 UJ	57 UJ
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	**0.45 J**	**0.33 J**	**0.43 J**	**0.51 J**	0.34 U
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-795 D-SB-795-09 20100909 NORMAL SO NORMAL SB 9 9	SB-796 D-SB-796-03 20100910 NORMAL SO NORMAL SB 3 3	SB-796 D-SB-796-05 20100910 NORMAL SO NORMAL SB 5 5	SB-796 D-SB-796-07 20100910 NORMAL SO NORMAL SB 7 7	SB-796 D-SB-796-09 20100910 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)								
1,1-DICHLOROETHENE	390000	24000	N	0.48 U	0.4 U	0.51 U	0.49 U	0.46 U
1,2,3-TRIMETHYLBENZENE	NC	NC		0.16 U	0.13 U	0.17 U	0.16 U	0.15 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.6 U	0.5 U	0.64 U	0.61 U	0.58 U
2-BUTANONE	4700000	2800000	N	1.3 U	2.7 J	8.1 J	1.3 U	1.3 J
4-ISOPROPYLTOLUENE	NC	NC		0.19 U	0.16 U	0.21 U	0.2 U	0.19 U
ACETONE	7000000	6100000	N	5.8 U	35 B	88 B	16 B	6.2 B
BENZENE	12000	1100	C	0.21 U	0.18 U	0.23 U	0.22 U	0.21 U
BROMOMETHANE	11000	730	N	0.5 U	0.41 U	0.53 U	0.51 U	0.48 U
CARBON DISULFIDE	780000	82000	N	0.85 B	0.78 B	1.5 B	0.88 B	0.81 B
ETHYLBENZENE	780000	5400	C	0.24 U	0.2 U	0.26 U	0.25 U	0.23 U
ISOPROPYLBENZENE	780000	210000	N	0.15 U	0.12 U	0.16 U	0.15 U	0.14 U
M+P-XYLENES	1600000 [4]	63000	N[5]	1.1 U	0.92 U	1.2 U	1.1 U	1.1 U
METHYLENE CHLORIDE	85000	11000	C	0.93 B	0.75 B	0.98 B	1 B	1 B
NAPHTHALENE	160000	3600	C	0.8 B	0.7 B	0.83 B	0.83 B	0.77 B
N-PROPYLBENZENE	NC	340000	N	0.37 U	0.31 U	0.39 U	0.38 U	0.36 U
O-XYLENE	1600000 [4]	380000	N	0.32 U	0.27 U	0.34 U	0.33 U	0.31 U
TOLUENE	630000	500000	N	0.25 U	0.21 U	0.27 U	0.26 U	0.24 U
TOTAL XYLENES	1600000	63000	N	0.62 U	0.51 U	0.66 U	0.63 U	0.6 U
SEMIVOLATILES (UG/KG)								
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	22 U	22 U	27 J	22 U	22 U
BUTYL BENZYL PHTHALATE	NC	260000	C	12 U	12 U	14 U	12 U	12 U
CARBAZOLE	32000	NC		32 U	31 U	37 U	32 U	31 U
DIBENZOFURAN	7800	7800	N	3.9 U	3.8 U	4.5 U	3.9 U	3.8 U
DIMETHYL PHTHALATE	NC	NC		20 U	20 U	23 U	20 U	20 U
DI-N-BUTYL PHTHALATE	780000	610000	N	18 U	17 U	21 U	18 U	17 U
DI-N-OCTYL PHTHALATE	NC	NC		32 U	31 U	37 U	32 U	31 U
PHENOL	2300000	1800000	N	32 U	31 U	37 U	32 U	31 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	3.8 U	4.5 U	3.9 U	3.8 U
ACENAPHTHENE	470000	340000	N	3.9 U	3.8 U	4.5 U	3.9 U	3.8 U
ACENAPHTHYLENE	470000	340000	N[6]	3.9 U	3.8 U	4.5 U	3.9 U	3.8 U
ANTHRACENE	2300000	1700000	N	3.9 U	3.8 U	4.5 U	3.9 U	3.8 U
BAP EQUIVALENT-HALFND	22	15	C	3.9 U	**74.7**	4.5 U	3.9 U	3.8 U
BAP EQUIVALENT-POS	22	15	C	3.9 U	**72.8**	4.5 U	3.9 U	3.8 U
BENZO(A)ANTHRACENE	220	150	C	3.9 U	36	4.5 U	3.9 U	3.8 U
BENZO(A)PYRENE	22	15	C	3.9 U	**58**	4.5 U	3.9 U	3.8 U
BENZO(B)FLUORANTHENE	220	150	C	3.9 U	66	4.5 U	3.9 U	3.8 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.9 U	33	4.5 U	3.9 U	3.8 U
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 U	28	4.5 U	3.9 U	3.8 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-795	SB-796	SB-796	SB-796	SB-796
SAMPLE ID				D-SB-795-09	D-SB-796-03	D-SB-796-05	D-SB-796-07	D-SB-796-09
SAMPLE DATE				20100909	20100910	20100910	20100910	20100910
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				9	3	5	7	9
BOTTOM DEPTH				9	3	5	7	9
POLYCYCLIC AROMATIC HYDROCARBONS (CONTINUED) (UG/KG)								
CHRYSENE	22000	15000	C	1.3 U	41	1.5 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	3.8 U	4.5 U	3.9 U	3.8 U
FLUORANTHENE	310000	230000	N	3.9 U	42	4.5 U	3.9 U	3.8 U
FLUORENE	310000	230000	N	3.9 U	3.8 U	4.5 U	3.9 U	3.8 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	43	4.5 U	3.9 U	3.8 U
NAPHTHALENE	160000	3600	C	3.9 U	3.8 U	4.5 U	3.9 U	3.8 U
PHENANTHRENE	2300000	170000	N[7]	3.9 U	18	4.5 U	3.9 U	3.8 U
PYRENE	230000	170000	N	3.9 U	37	4.5 U	3.9 U	3.8 U
TOTAL PAHS	NC	NC		0 U	402	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDE	1900	1400	C	0.46 UJ	0.91 U	2.7 U	0.46 U	0.45 U
AROCLOR-1260	320	220	C	20 U	20 U	23 U	20 U	20 U
BETA-BHC	350	270	C	1.3 UJ	2.6 U	7.5 U	1.3 U	1.3 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	0.3 B	0.19 J	0.2 J	0.21 J	0.19 J
ARSENIC	0.43	0.39	C	**4.4 J**	**3.4**	**9.4**	**3.1**	**4.3**
BARIUM	1600	1500	N	12.6	38.2	32.5	9.8	11.4
BERYLLIUM	16	16	N	1.3 J	1.3	2.3	1.3	2.3
CADMIUM	3.9	7	N	0.012 B	0.24	0.016 B	0.016 B	0.025 B
CHROMIUM	12000 [10]	12000	N[10]	21.7 J	15.3	32.2	15.8	22.7
COBALT	NC	2.3	N	**7.7 J**	**9.3**	**6.7**	**3.5**	**8.9**
COPPER	310	310	N	16.6 J	16.7	51.9	17.4	30.3
IRON	5500	5500	N	**27300 J**	**15400**	**50200**	**28100**	**36700**
LEAD	400	400		6.4	17.1	9.6	3.4	3.3
MANGANESE	160	180	N	74 J	44.6	23.5	20	20.9
MERCURY	2.3 [11]	2.3	N[12]	0.018 U	0.51	0.021 U	0.018 U	0.017 U
MOLYBDENUM	NC	39	N	0.41	0.4	1.2	0.57	0.78
NICKEL	160	150	N	20.2 J	17.3	12.1	10.1	28.3
SELENIUM	39	39	N	1.4 L	1.3	1.6	1.3	1.4
SILVER	39	39	N	0.019 U	0.31	0.038 J	0.019 U	0.019 U
THALLIUM	0.55	NC		0.08 J	0.065 B	0.13 B	0.053 B	0.057 B
VANADIUM	7.8	39	N[13]	**38.5 J**	**24.8**	**57.6**	**41.8**	**68.5**
ZINC	2300	2300	N	24.6 L	95.4	44.8	10.3	27
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		5300 J	160000	57000	5600 J	5600 J
GASOLINE RANGE ORGANICS	230000	NC		54 UJ	53 U	63 U	54 U	53 U
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	0.32 U	0.31 U	0.37 U	0.32 U	**0.37 J**
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the ESV are shaded black with white font. Concentrations exceeding the adjusted RSL for residential soil are shaded blue with black font. Concentrations exceeding both the ESV and the RSL are shaded red with white font.
4 - The value is for xylenes.
5 - The value is for xylene, mixture.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - The value is for PCB (total).
9 - The value is for polychlorinated biphenyls (high risk).
10 - The value is for trivalent chromium.
11 - The value is for mercury (inorganic/mercuric dichloride).
12 - The value is for mercuric chloride.
13 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-60RE-11	D-SB-60RE-12	D-SB-60RE-13	D-SB-60RE-14	D-SB-60RE-15	D-SB-61RE-11	D-SB-61RE-12	D-SB-61RE-13	D-SB-61RE-14	D-SB-61RE-15	D-SB-61REA-11
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14	15	11
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-60RE-11	D-SB-60RE-12	D-SB-60RE-13	D-SB-60RE-14	D-SB-60RE-15	D-SB-61RE-11	D-SB-61RE-12	D-SB-61RE-13	D-SB-61RE-14	D-SB-61RE-15	D-SB-61REA-11
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14	15	11
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	26	1.5 U	1.5 U	21	1.5 U	181	578	1.5 U	168
BAP EQUIVALENT-POS	1.5 U	1.5 U	26	1.5 U	1.5 U	20	1.5 U	181	577	1.5 U	168
BENZO(A)ANTHRACENE	1.1 U	1.1 U	23	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	86
BENZO(A)PYRENE	1.5 U	1.5 U	20	1.5 U	1.5 U	16	1.5 U	150	490	1.5 U	120
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	23	1.4 U	1.4 U	16	1.4 U	170	510	1.4 U	130
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	10	2 U	2 U	2 U	2 U	57	180	2 U	49
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1.1 U	27	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	110
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.7 U	1.6 U	1.5 U	19
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-60RE-11	D-SB-60RE-12	D-SB-60RE-13	D-SB-60RE-14	D-SB-60RE-15	D-SB-61RE-11	D-SB-61RE-12	D-SB-61RE-13	D-SB-61RE-14	D-SB-61RE-15	D-SB-61REA-11
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14	15	11
INDENO(1,2,3-CD)PYRENE	1.7 U	1.8 U	8.7	1.7 U	1.8 U	22	1.8 U	130	340	1.8 U	64
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	111.7	0 U	0 U	54	0 U	507	1520	0 U	578
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-60RE-11	D-SB-60RE-12	D-SB-60RE-13	D-SB-60RE-14	D-SB-60RE-15	D-SB-61RE-11	D-SB-61RE-12	D-SB-61RE-13	D-SB-61RE-14	D-SB-61RE-15	D-SB-61REA-11
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14	15	11
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-061A	SB-061A	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REA-13	D-SB-61REA-15	D-SB-61REB-11	D-SB-61REB-13	D-SB-61REB-15	D-SB-61REC-11	D-SB-61REC-13	D-SB-61REC-15	D-SB-61RED-11	D-SB-61RED-13	D-SB-61RED-15
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-061A	SB-061A	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REA-13	D-SB-61REA-15	D-SB-61REB-11	D-SB-61REB-13	D-SB-61REB-15	D-SB-61REC-11	D-SB-61REC-13	D-SB-61REC-15	D-SB-61RED-11	D-SB-61RED-13	D-SB-61RED-15
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	154	1078	16	1.5 U	9.2	1.5 U	1.5 U	429	47
BAP EQUIVALENT-POS	1.5 U	1.5 U	154	1078	15	1.5 U	8.2	1.5 U	1.5 U	429	46
BENZO(A)ANTHRACENE	1.1 U	1.1 U	44	290	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	250	33
BENZO(A)PYRENE	1.5 U	1.5 U	110	750	13	1.5 U	8.2	1.5 U	1.5 U	300	36
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	100	750	13	1.4 U	1.3 U	1.4 U	1.4 U	340	40
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	2 U	65	410	2 U	1.9 U	1.9 U	2 U	2 U	130	17
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1 U	84	410	1 U	1 U	1 U	1 U	1 U	290	40
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	21	170	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	50	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-061A	SB-061A	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REA-13	D-SB-61REA-15	D-SB-61REB-11	D-SB-61REB-13	D-SB-61REB-15	D-SB-61REC-11	D-SB-61REC-13	D-SB-61REC-15	D-SB-61RED-11	D-SB-61RED-13	D-SB-61RED-15
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
INDENO(1,2,3-CD)PYRENE	1.7 U	1.7 U	75	490	7.7	1.7 U	1.7 U	1.7 U	1.7 U	180	22
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	499	3270	33.7	0 U	8.2	0 U	0 U	1540	188
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-061A	SB-061A	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C	SB-061D	SB-061D	SB-061D
SAMPLE ID	D-SB-61REA-13	D-SB-61REA-15	D-SB-61REB-11	D-SB-61REB-13	D-SB-61REB-15	D-SB-61REC-11	D-SB-61REC-13	D-SB-61REC-15	D-SB-61RED-11	D-SB-61RED-13	D-SB-61RED-15
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A	SB-062A	SB-062A	SB-062A	SB-062B
SAMPLE ID	D-SB-62RE-11	D-SB-62RE-12	D-SB-62RE-13	D-SB-62RE-14	D-SB-62RE-15	D-SB-62REA-11	D-SB-62REA-11-AVG	D-SB-62REA-11-D	D-SB-62REA-13	D-SB-62REA-15	D-SB-62REB-11
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	11	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	11	11	13	15	11
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A	SB-062A	SB-062A	SB-062A	SB-062A	SB-062B
SAMPLE ID	D-SB-62RE-11	D-SB-62RE-12	D-SB-62RE-13	D-SB-62RE-14	D-SB-62RE-15	D-SB-62REA-11	D-SB-62REA-11-AVG	D-SB-62REA-11-D	D-SB-62REA-13	D-SB-62REA-15	D-SB-62REB-11
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	11	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	11	11	13	15	11
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.7 U	2213	74	480	147	123	100	90	11	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.7 U	2212	73	479	147	123	100	90	9.8	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.2 U	930	34	210	110	93.5	77	71	8.5	1.1 U
BENZO(A)PYRENE	1.5 U	1.7 U	1800	59	390	100	84	68	69	8	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.5 U	1900	60	390	130	113.5	97	98	9.9	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2.2 U	750	20	150	56	46	36	31	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.2 U	1200	42	260	95	80	65	65	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.7 U	3.2 U	1.7 U	1.7 U	17	14	11	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A	SB-062A	SB-062A	SB-062A	SB-062B
SAMPLE ID	D-SB-62RE-11	D-SB-62RE-12	D-SB-62RE-13	D-SB-62RE-14	D-SB-62RE-15	D-SB-62REA-11	D-SB-62REA-11-AVG	D-SB-62REA-11-D	D-SB-62REA-13	D-SB-62REA-15	D-SB-62REB-11
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	11	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	11	11	13	15	11
INDENO(1,2,3-CD)PYRENE	1.8 U	1.9 U	1200	41	270	50	42	34	34	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	7780	256	1670	558	473	388	368	26.4	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A	SB-062A	SB-062A	SB-062A	SB-062B
SAMPLE ID	D-SB-62RE-11	D-SB-62RE-12	D-SB-62RE-13	D-SB-62RE-14	D-SB-62RE-15	D-SB-62REA-11	D-SB-62REA-11-AVG	D-SB-62REA-11-D	D-SB-62REA-13	D-SB-62REA-15	D-SB-62REB-11
SAMPLE DATE	20090914	20090914	20090914	20090914	20090914	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	11	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	11	11	13	15	11
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62REB-13	D-SB-62REB-15	D-SB-62REC-11	D-SB-62REC-13	D-SB-62REC-15	D-SB-62RED-11	D-SB-62RED-13	D-SB-62RED-15	D-SB-63RE-11	D-SB-63RE-12	D-SB-63RE-13
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	12	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	12	13
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62REB-13	D-SB-62REB-15	D-SB-62REC-11	D-SB-62REC-13	D-SB-62REC-15	D-SB-62RED-11	D-SB-62RED-13	D-SB-62RED-15	D-SB-63RE-11	D-SB-63RE-12	D-SB-63RE-13
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	12	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	12	13
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	101	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	124
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	100	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	124
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	63	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	54
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	80	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	90
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	88	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	94
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2 U	33	2 U	2 U	2 U	2 U	2 U	2 U	40
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	58	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	73
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	13
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62REB-13	D-SB-62REB-15	D-SB-62REC-11	D-SB-62REC-13	D-SB-62REC-15	D-SB-62RED-11	D-SB-62RED-13	D-SB-62RED-15	D-SB-63RE-11	D-SB-63RE-12	D-SB-63RE-13
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	12	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	12	13
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.8 U	48	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	56
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	370	0 U	0 U	0 U	0 U	0 U	0 U	420
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062D	SB-062D	SB-062D	SB-063	SB-063	SB-063
SAMPLE ID	D-SB-62REB-13	D-SB-62REB-15	D-SB-62REC-11	D-SB-62REC-13	D-SB-62REC-15	D-SB-62RED-11	D-SB-62RED-13	D-SB-62RED-15	D-SB-63RE-11	D-SB-63RE-12	D-SB-63RE-13
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091014	20091014	20091014	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	12	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	12	13
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-063	SB-063	SB-065	SB-065	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066	SB-239
SAMPLE ID	D-SB-63RE-14	D-SB-63RE-15	D-SB-65RE-11	D-SB-65RE-12	D-SB-65RE-13	D-SB-65RE-14	D-SB-65RE-15	D-SB-66RE-11	D-SB-66RE-12	D-SB-66RE-15	D-SB-239RE-11
SAMPLE DATE	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20090915	20090914	20090914	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	14	15	11	12	13	14	15	11	12	15	11
BOTTOM DEPTH	14	15	11	12	13	14	15	11	12	15	11
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-063	SB-063	SB-065	SB-065	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066	SB-239
SAMPLE ID	D-SB-63RE-14	D-SB-63RE-15	D-SB-65RE-11	D-SB-65RE-12	D-SB-65RE-13	D-SB-65RE-14	D-SB-65RE-15	D-SB-66RE-11	D-SB-66RE-12	D-SB-66RE-15	D-SB-239RE-11
SAMPLE DATE	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20090915	20090914	20090914	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	14	15	11	12	13	14	15	11	12	15	11
BOTTOM DEPTH	14	15	11	12	13	14	15	11	12	15	11
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	44	45	43	185
BAP EQUIVALENT-POS	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	43	45	42	185
BENZO(A)ANTHRACENE	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	45	43	47	110
BENZO(A)PYRENE	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	33	34	32	110
BENZO(B)FLUORANTHENE	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	34	43	29	250
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	1.9 U	2 U	2 U	2.1 U	2 U	2 U	18	15	23	100
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	48	50	48	170
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.6 U	29
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-063	SB-063	SB-065	SB-065	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066	SB-239
SAMPLE ID	D-SB-63RE-14	D-SB-63RE-15	D-SB-65RE-11	D-SB-65RE-12	D-SB-65RE-13	D-SB-65RE-14	D-SB-65RE-15	D-SB-66RE-11	D-SB-66RE-12	D-SB-66RE-15	D-SB-239RE-11
SAMPLE DATE	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20090915	20090914	20090914	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	14	15	11	12	13	14	15	11	12	15	11
BOTTOM DEPTH	14	15	11	12	13	14	15	11	12	15	11
INDENO(1,2,3-CD)PYRENE	1.8 U	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	19	19	19	88
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	197	204	198	857
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-063	SB-063	SB-065	SB-065	SB-065	SB-065	SB-065	SB-066	SB-066	SB-066	SB-239
SAMPLE ID	D-SB-63RE-14	D-SB-63RE-15	D-SB-65RE-11	D-SB-65RE-12	D-SB-65RE-13	D-SB-65RE-14	D-SB-65RE-15	D-SB-66RE-11	D-SB-66RE-12	D-SB-66RE-15	D-SB-239RE-11
SAMPLE DATE	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20090915	20090914	20090914	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	14	15	11	12	13	14	15	11	12	15	11
BOTTOM DEPTH	14	15	11	12	13	14	15	11	12	15	11
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-239	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240B	SB-240B
SAMPLE ID	D-SB-239RE-12	D-SB-240RE-11	D-SB-240RE-12	D-SB-240RE-13	D-SB-240RE-14	D-SB-240RE-15	D-SB-240REA-11	D-SB-240REA-13	D-SB-240REA-15	D-SB-240REB-11	D-SB-240REB-13
SAMPLE DATE	20091015	20090914	20090914	20090914	20090914	20090914	20091014	20091014	20091014	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	13	14	15	11	13	15	11	13
BOTTOM DEPTH	12	11	12	13	14	15	11	13	15	11	13
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-239	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240B	SB-240B
SAMPLE ID	D-SB-239RE-12	D-SB-240RE-11	D-SB-240RE-12	D-SB-240RE-13	D-SB-240RE-14	D-SB-240RE-15	D-SB-240REA-11	D-SB-240REA-13	D-SB-240REA-15	D-SB-240REB-11	D-SB-240REB-13
SAMPLE DATE	20091015	20090914	20090914	20090914	20090914	20090914	20091014	20091014	20091014	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	13	14	15	11	13	15	11	13
BOTTOM DEPTH	12	11	12	13	14	15	11	13	15	11	13
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	121	198	42	337	25	22	1.5 U	1.6 U	21	1.7 U	2 U
BAP EQUIVALENT-POS	121	198	42	337	24	21	1.5 U	1.6 U	20	1.7 U	2 U
BENZO(A)ANTHRACENE	82	140	32	210	18	18	1.1 U	1.2 U	1.2 U	1.2 U	1.4 U
BENZO(A)PYRENE	85	130	32	230	19	16	1.5 U	1.6 U	19	1.7 U	2 U
BENZO(B)FLUORANTHENE	110	180	40	250	23	19	1.4 U	1.5 U	9.3	1.5 U	1.8 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	36	61	16	110	8.8	2.2 U	2 U	2.1 U	2.2 U	2.2 U	2.6 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	74	130	40	240	27	21	1.1 U	1.1 U	1.2 U	1.1 U	1.4 U
DIBENZO(A,H)ANTHRACENE	12	27	1.5 U	43	1.6 U	1.7 U	1.5 U	1.6 U	1.7 U	1.7 U	2 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-239	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240B	SB-240B
SAMPLE ID	D-SB-239RE-12	D-SB-240RE-11	D-SB-240RE-12	D-SB-240RE-13	D-SB-240RE-14	D-SB-240RE-15	D-SB-240REA-11	D-SB-240REA-13	D-SB-240REA-15	D-SB-240REB-11	D-SB-240REB-13
SAMPLE DATE	20091015	20090914	20090914	20090914	20090914	20090914	20091014	20091014	20091014	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	13	14	15	11	13	15	11	13
BOTTOM DEPTH	12	11	12	13	14	15	11	13	15	11	13
INDENO(1,2,3-CD)PYRENE	47	87	22	170	12	12	1.8 U	1.8 U	2 U	1.9 U	2.3 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	446	755	182	1253	107.8	86	0 U	0 U	28.3	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-239	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240A	SB-240A	SB-240A	SB-240B	SB-240B
SAMPLE ID	D-SB-239RE-12	D-SB-240RE-11	D-SB-240RE-12	D-SB-240RE-13	D-SB-240RE-14	D-SB-240RE-15	D-SB-240REA-11	D-SB-240REA-13	D-SB-240REA-15	D-SB-240REB-11	D-SB-240REB-13
SAMPLE DATE	20091015	20090914	20090914	20090914	20090914	20090914	20091014	20091014	20091014	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	13	14	15	11	13	15	11	13
BOTTOM DEPTH	12	11	12	13	14	15	11	13	15	11	13
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-240C	SB-240C	SB-240C	SB-240D	SB-240D	SB-240D	SB-240D	SB-240D	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-240REC-11	D-SB-240REC-13	D-SB-240REC-15	D-SB-240RED-11	D-SB-240RED-11-AVG	D-SB-240RED-11-D	D-SB-240RED-13	D-SB-240RED-15	D-SB-243RE-11	D-SB-243RE-12	D-SB-243RE-13
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	11	11	13	15	11	12	13
BOTTOM DEPTH	11	13	15	11	11	11	13	15	11	12	13
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240C	SB-240C	SB-240C	SB-240D	SB-240D	SB-240D	SB-240D	SB-240D	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-240REC-11	D-SB-240REC-13	D-SB-240REC-15	D-SB-240RED-11	D-SB-240RED-11-AVG	D-SB-240RED-11-D	D-SB-240RED-13	D-SB-240RED-15	D-SB-243RE-11	D-SB-243RE-12	D-SB-243RE-13
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	11	11	13	15	11	12	13
BOTTOM DEPTH	11	13	15	11	11	11	13	15	11	12	13
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	58	1.9 U	288	161	34	622	1.6 U	1.6 U	1.6 U	91
BAP EQUIVALENT-POS	1.6 U	57	1.9 U	284	159	33	622	1.6 U	1.6 U	1.6 U	91
BENZO(A)ANTHRACENE	1.2 U	30	1.4 U	200 J	113.5	27 J	270	1.2 U	1.2 U	1.1 U	43
BENZO(A)PYRENE	1.6 U	46	1.9 U	220 J	122.5	25 J	440	1.6 U	1.6 U	1.6 U	64
BENZO(B)FLUORANTHENE	1.5 U	48	1.7 U	280 J	157.5	35 J	450	1.5 U	1.5 U	1.4 U	70
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	27	2.5 U	120 J	65.5	11 J	220	2.1 U	2.1 U	2 U	25
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	35	1.3 U	240 J	134	28 J	330	1.1 U	1.1 U	1.1 U	59
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.9 U	6.2 U	3.85 U	1.5 U	81	1.6 U	1.6 U	1.6 U	11
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-240C	SB-240C	SB-240C	SB-240D	SB-240D	SB-240D	SB-240D	SB-240D	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-240REC-11	D-SB-240REC-13	D-SB-240REC-15	D-SB-240RED-11	D-SB-240RED-11-AVG	D-SB-240RED-11-D	D-SB-240RED-13	D-SB-240RED-15	D-SB-243RE-11	D-SB-243RE-12	D-SB-243RE-13
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	11	11	13	15	11	12	13
BOTTOM DEPTH	11	13	15	11	11	11	13	15	11	12	13
INDENO(1,2,3-CD)PYRENE	1.9 U	30	2.2 U	150 J	83.5	17 J	260	1.8 U	1.9 U	1.8 U	43
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	216	0 U	1210	676.5	143	2051	0 U	0 U	0 U	315
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-240C	SB-240C	SB-240C	SB-240D	SB-240D	SB-240D	SB-240D	SB-240D	SB-243	SB-243	SB-243
SAMPLE ID	D-SB-240REC-11	D-SB-240REC-13	D-SB-240REC-15	D-SB-240RED-11	D-SB-240RED-11-AVG	D-SB-240RED-11-D	D-SB-240RED-13	D-SB-240RED-15	D-SB-243RE-11	D-SB-243RE-12	D-SB-243RE-13
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	11	11	13	15	11	12	13
BOTTOM DEPTH	11	13	15	11	11	11	13	15	11	12	13
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-766	SB-766	SB-766	SB-767	SB-767	SB-767	SB-768	SB-768	SB-768
SAMPLE ID	D-SB-243RE-14	D-SB-243RE-15	D-SB-766-11	D-SB-766-13	D-SB-766-15	D-SB-767-11	D-SB-767-13	D-SB-767-15	D-SB-768-11	D-SB-768-13	D-SB-768-15
SAMPLE DATE	20090915	20090915	20100827	20100827	20100827	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	14	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	14	15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-243	SB-243	SB-766	SB-766	SB-766	SB-767	SB-767	SB-767	SB-768	SB-768	SB-768
SAMPLE ID	D-SB-243RE-14	D-SB-243RE-15	D-SB-766-11	D-SB-766-13	D-SB-766-15	D-SB-767-11	D-SB-767-13	D-SB-767-15	D-SB-768-11	D-SB-768-13	D-SB-768-15
SAMPLE DATE	20090915	20090915	20100827	20100827	20100827	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	14	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	14	15	11	13	15	11	13	15	11	13	15
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	15 U	160	4.4 U	4.1 U	4.2 U	4 U	3.9 U	11	4 U
2-METHYLNAPHTHALENE	NA	NA	15 U	260	4.4 U	4.1 U	4.2 U	4 U	3.9 U	23	4 U
ACENAPHTHENE	NA	NA	110	58	4.4 U	4.1 U	33 J	4 U	3.9 U	38 J	4 U
ACENAPHTHYLENE	NA	NA	370	34	4.4 U	4.1 U	140	4 U	3.9 U	200	4 U
ANTHRACENE	NA	NA	270	71	4.4 U	4.1 U	85 J	4 U	3.9 U	120 J	4 U
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	717	123	4.4 U	4.1 U	253	4 U	3.9 U	362	4 U
BAP EQUIVALENT-POS	1.6 U	1.6 U	710	121	4.4 U	4.1 U	251	4 U	3.9 U	360	4 U
BENZO(A)ANTHRACENE	1.2 U	1.1 U	470 J	85	4.4 UJ	4.1 U	160	4 U	3.9 U	190	4 U
BENZO(A)PYRENE	1.6 U	1.6 U	560 J	99	4.4 UJ	4.1 U	200 J	4 U	3.9 U	290 J	4 U
BENZO(B)FLUORANTHENE	1.5 U	1.4 U	620 J	130	4.4 UJ	4.1 U	230 J	4 U	3.9 U	320 J	4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	440 J	3.9 U	4.4 UJ	4.1 U	140 J	4 U	3.9 U	220 J	4 U
BENZO(K)FLUORANTHENE	2.1 U	2 U	340 J	50	4.4 UJ	4.1 U	110 J	4 U	3.9 U	140 J	4 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	89 U	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	510 J	100	1.5 UJ	1.4 U	170	1.3 U	1.3 U	230	1.3 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	15 UJ	3.9 U	4.4 UJ	4.1 U	4.2 U	4 U	3.9 U	4.1 U	4 U
FLUORANTHENE	NA	NA	650	230	34	4.1 U	180 J	4 U	3.9 U	240 J	4 U
FLUORENE	NA	NA	15 U	72	4.4 U	4.1 U	33 J	4 U	3.9 U	4.1 U	4 U

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-766	SB-766	SB-766	SB-767	SB-767	SB-767	SB-768	SB-768	SB-768
SAMPLE ID	D-SB-243RE-14	D-SB-243RE-15	D-SB-766-11	D-SB-766-13	D-SB-766-15	D-SB-767-11	D-SB-767-13	D-SB-767-15	D-SB-768-11	D-SB-768-13	D-SB-768-15
SAMPLE DATE	20090915	20090915	20100827	20100827	20100827	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	14	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	14	15	11	13	15	11	13	15	11	13	15
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	370 J	3.9 U	4.4 UJ	4.1 U	110 J	4 U	3.9 U	170 J	4 U
NAPHTHALENE	NA	NA	56	400	4.4 U	4.1 U	11	4 U	3.9 U	26	4 U
PHENANTHRENE	NA	NA	370	210	4.4 U	4.1 U	53 J	4 U	3.9 U	59 J	4 U
PYRENE	NA	NA	1200 J	210	18 J	4.1 U	330	4 U	3.9 U	550	4 U
TOTAL PAHS	0 U	0 U	6336	2009	52	0 U	1985	0 U	0 U	2816	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-243	SB-243	SB-766	SB-766	SB-766	SB-767	SB-767	SB-767	SB-768	SB-768	SB-768
SAMPLE ID	D-SB-243RE-14	D-SB-243RE-15	D-SB-766-11	D-SB-766-13	D-SB-766-15	D-SB-767-11	D-SB-767-13	D-SB-767-15	D-SB-768-11	D-SB-768-13	D-SB-768-15
SAMPLE DATE	20090915	20090915	20100827	20100827	20100827	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	14	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	14	15	11	13	15	11	13	15	11	13	15
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-769	SB-770	SB-770	SB-771	SB-771	SB-771	SB-772	SB-772	SB-772
SAMPLE ID	D-SB-769-11	D-SB-769-13	D-SB-769-15	D-SB-770-13	D-SB-770-15	D-SB-771-11	D-SB-771-13	D-SB-771-15	D-SB-772-11	D-SB-772-13	D-SB-772-15
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100910	20100910	20100910	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-769	SB-770	SB-770	SB-771	SB-771	SB-771	SB-772	SB-772	SB-772
SAMPLE ID	D-SB-769-11	D-SB-769-13	D-SB-769-15	D-SB-770-13	D-SB-770-15	D-SB-771-11	D-SB-771-13	D-SB-771-15	D-SB-772-11	D-SB-772-13	D-SB-772-15
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100910	20100910	20100910	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	13	15	11	13	15	11	13	15
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	4 U	4 U	4 U	56	11	4 U	4.1 U	4 U	43	59	190
2-METHYLNAPHTHALENE	4 U	4 U	4 U	94	21	4 U	4.1 U	4 U	63	61	390
ACENAPHTHENE	4 U	4 U	4 U	65	3.8 U	4 U	4.1 U	4 U	84	28	900
ACENAPHTHYLENE	4 U	27	4 U	400	43	4 U	4.1 U	4 U	4.2 U	14	20 U
ANTHRACENE	4 U	10	4 U	260	26	4 U	4.1 U	4 U	24	52	1600
BAP EQUIVALENT-HALFND	4 U	46	4 U	1871	300	4 U	4.1 U	4 U	30	80	1351
BAP EQUIVALENT-POS	4 U	44	4 U	1871	298	4 U	4.1 U	4 U	28	78	1341
BENZO(A)ANTHRACENE	4 U	4 U	4 U	940	230	4 U	4.1 U	4 U	29	76	2400
BENZO(A)PYRENE	4 U	37	4 U	1300	220	4 U	4.1 U	4 U	19	59	810
BENZO(B)FLUORANTHENE	4 U	37 J	4 U	1400 J	350 J	4 U	4.1 U	4 U	31 J	68 J	2200 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	30	4 U	1200	320	4 U	4.1 U	4 U	14	37	580
BENZO(K)FLUORANTHENE	4 U	4 U	4 U	660	73	4 U	4.1 U	4 U	15	24	860
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	370 J	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	410 J	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	140 J	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	240 J	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	170 J	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	99 J	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	130 J	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	23	1.3 U	1100	210	1.3 U	1.4 U	1.3 U	29	84	2200
DIBENZO(A,H)ANTHRACENE	4 U	4 U	4 U	250 J	3.8 U	4 U	4.1 U	4 U	4.2 U	4.3 U	20 U
FLUORANTHENE	4 U	25	4 U	1600	270	4 U	4.1 U	4 U	65	170	7100
FLUORENE	4 U	4 U	4 U	96	3.8 U	4 U	4.1 U	4 U	45	68	950

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-769	SB-770	SB-770	SB-771	SB-771	SB-771	SB-772	SB-772	SB-772
SAMPLE ID	D-SB-769-11	D-SB-769-13	D-SB-769-15	D-SB-770-13	D-SB-770-15	D-SB-771-11	D-SB-771-13	D-SB-771-15	D-SB-772-11	D-SB-772-13	D-SB-772-15
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100910	20100910	20100910	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	13	15	11	13	15	11	13	15
INDENO(1,2,3-CD)PYRENE	4 U	34 J	4 U	790 J	190 J	4 U	4.1 U	4 U	24 J	40 J	600 J
NAPHTHALENE	4 U	4 U	4 U	130	24	4 U	4.1 U	4 U	95	28	990
PHENANTHRENE	4 U	4 U	4 U	640	82	4 U	4.1 U	4 U	110	310	5600
PYRENE	4 U	54	4 U	2300	480	4 U	4.1 U	4 U	49	210	5200
TOTAL PAHS	0 U	277	0 U	13225	2539	0 U	0 U	0 U	696	1329	32380
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-769	SB-769	SB-769	SB-770	SB-770	SB-771	SB-771	SB-771	SB-772	SB-772	SB-772
SAMPLE ID	D-SB-769-11	D-SB-769-13	D-SB-769-15	D-SB-770-13	D-SB-770-15	D-SB-771-11	D-SB-771-13	D-SB-771-15	D-SB-772-11	D-SB-772-13	D-SB-772-15
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100910	20100910	20100910	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	13	15	11	13	15	11	13	15
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-773	SB-773	SB-773	SB-774	SB-774	SB-774	SB-774	SB-774
SAMPLE ID	D-SB-773-11	D-SB-773-13	D-SB-773-15	D-SB-774-11	D-SB-774-13	D-SB-774-15	D-SB-774-15-AVG	D-SB-774-15-D
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	15	15
BOTTOM DEPTH	11	13	15	11	13	15	15	15
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-773	SB-773	SB-773	SB-774	SB-774	SB-774	SB-774	SB-774
SAMPLE ID	D-SB-773-11	D-SB-773-13	D-SB-773-15	D-SB-774-11	D-SB-774-13	D-SB-774-15	D-SB-774-15-AVG	D-SB-774-15-D
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	15	15
BOTTOM DEPTH	11	13	15	11	13	15	15	15
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	4.1 U	4.1 U	11	4 U	29	17	16	15
2-METHYLNAPHTHALENE	9	4.1 U	14	8.5	48	25	27.5	30
ACENAPHTHENE	4.1 U	4.1 U	4 U	13	240	90	105	120
ACENAPHTHYLENE	4.1 U	4.1 U	8.2	4 U	7.7 U	3.8 U	3.8 U	3.8 U
ANTHRACENE	4.1 U	4.1 U	17	20	440	200	165	130
BAP EQUIVALENT-HALFND	4.1 U	4.1 U	43	97	888	499	449	399
BAP EQUIVALENT-POS	4.1 U	4.1 U	41	97	888	499	449	399
BENZO(A)ANTHRACENE	4.1 U	4.1 U	24	65	730	480	395	310
BENZO(A)PYRENE	4.1 U	4.1 U	34	63	590	340	310	280
BENZO(B)FLUORANTHENE	4.1 U	4.1 U	22	95	800	460	405	350
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4.1 U	4.1 U	12	51	350	190	185	180
BENZO(K)FLUORANTHENE	4.1 U	4.1 U	4 U	33	300	230	205	180
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	130 J	250	370 J
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	160 J	385	610 J
C1-FLUORENES	NA	NA	NA	NA	NA	78 U	78 U	78 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	78 UJ	199.5	360 J
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	84 J	117	150 J
C2-FLUORENES	NA	NA	NA	NA	NA	78 U	78 U	78 U
C2-NAPHTHALENES	NA	NA	NA	NA	NA	78 U	78 U	78 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	78 U	99.5	160 J
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	78 U	59.5	80 J
C3-FLUORENES	NA	NA	NA	NA	NA	78 U	78 U	78 U
C3-NAPHTHALENES	NA	NA	NA	NA	NA	78 U	78 U	78 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	78 U	67.5	96 J
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	78 U	78 U	78 U
C4-NAPHTHALENES	NA	NA	NA	NA	NA	78 U	78 U	78 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	78 U	78 U	78 U
CHRYSENE	1.4 U	1.4 U	26	73	750	480	405	330
DIBENZO(A,H)ANTHRACENE	4.1 U	4.1 U	4 U	13	110	44	40	36
FLUORANTHENE	9.9	4.1 U	47	120	1800	1300 J	1000	700 J
FLUORENE	4.1 U	4.1 U	18	13	220	95	91	87

LOCATION	SB-773	SB-773	SB-773	SB-774	SB-774	SB-774	SB-774	SB-774
SAMPLE ID	D-SB-773-11	D-SB-773-13	D-SB-773-15	D-SB-774-11	D-SB-774-13	D-SB-774-15	D-SB-774-15-AVG	D-SB-774-15-D
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	15	15
BOTTOM DEPTH	11	13	15	11	13	15	15	15
INDENO(1,2,3-CD)PYRENE	4.1 U	4.1 U	23	41	310	180	165	150
NAPHTHALENE	4.1 U	4.1 U	4 U	12	76	47	55	63
PHENANTHRENE	19	4.1 U	86	74	1500	870 J	680	490 J
PYRENE	12	4.1 U	64	97	1300	920 J	720	520 J
TOTAL PAHS	49.9	0 U	395.2	791.5	9564	5951	4953.5	3956
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-773	SB-773	SB-773	SB-774	SB-774	SB-774	SB-774	SB-774
SAMPLE ID	D-SB-773-11	D-SB-773-13	D-SB-773-15	D-SB-774-11	D-SB-774-13	D-SB-774-15	D-SB-774-15-AVG	D-SB-774-15-D
SAMPLE DATE	20100831	20100831	20100831	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	15	15
BOTTOM DEPTH	11	13	15	11	13	15	15	15
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

LOCATION	MRC-MW40A	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	MRC-MW40[1214]	F-SB-57RE-11	F-SB-57RE-12	F-SB-57RE-13	F-SB-57RE-14	F-SB-57RE-15	SB-57-15	F-SB-58RE-11	F-SB-58RE-12	F-SB-58RE-13	F-SB-58RE-14
SAMPLE DATE	20050525	20090917	20090917	20090917	20090917	20090917	20040913	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	13	14	15	15	11	12	13	14
BOTTOM DEPTH	14	11	12	13	14	15	15	11	12	13	14
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	58 U	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	58 U	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	58 U	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	58 U	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	12 U	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	7 B	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	6 U	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	970 U	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA

LOCATION	MRC-MW40A	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	MRC-MW40[1214]	F-SB-57RE-11	F-SB-57RE-12	F-SB-57RE-13	F-SB-57RE-14	F-SB-57RE-15	SB-57-15	F-SB-58RE-11	F-SB-58RE-12	F-SB-58RE-13	F-SB-58RE-14
SAMPLE DATE	20050525	20090917	20090917	20090917	20090917	20090917	20040913	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	13	14	15	15	11	12	13	14
BOTTOM DEPTH	14	11	12	13	14	15	15	11	12	13	14
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	970 U	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	970 U	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	970 U	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	900 U	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	970 U	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	970 U	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	970 U	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	550	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	390 U	6.3	1433	38	1.6 U
BAP EQUIVALENT-POS	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	390 U	4.4	1433	37	1.6 U
BENZO(A)ANTHRACENE	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	390 U	12	1200	33	1.2 U
BENZO(A)PYRENE	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	390 U	1.9 U	1000	27	1.6 U
BENZO(B)FLUORANTHENE	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	390 U	14	1200	38	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	390 U	2.4 U	530	2.5 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	390 U	1.3 U	1000	28	1.1 U
DIBENZO(A,H)ANTHRACENE	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	390 U	1.9 U	140	1.9 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MRC-MW40A	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	MRC-MW40[1214]	F-SB-57RE-11	F-SB-57RE-12	F-SB-57RE-13	F-SB-57RE-14	F-SB-57RE-15	SB-57-15	F-SB-58RE-11	F-SB-58RE-12	F-SB-58RE-13	F-SB-58RE-14
SAMPLE DATE	20050525	20090917	20090917	20090917	20090917	20090917	20040913	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	13	14	15	15	11	12	13	14
BOTTOM DEPTH	14	11	12	13	14	15	15	11	12	13	14
INDENO(1,2,3-CD)PYRENE	NA	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U	390 U	18	470	29	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	390 U	NA	NA	NA	NA
TOTAL PAHS	NA	0 U	0 U	0 U	0 U	0 U	0 U	44	5540	155	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	280 U	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	280 U	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	280 U	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	280 U	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	280 U	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	280 U	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	280 U	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	0 U	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	2.8 UR	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	0.66 L	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	2.8 U	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	2.8 UL	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	5.7 L	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	2.8 U	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	2.8 UJ	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	0.11 UL	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	2.8 U	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	2.8 UL	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	2.8 UR	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	2.3 UL	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	28 UL	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	11000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	110 U	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	319 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MRC-MW40A	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	MRC-MW40[1214]	F-SB-57RE-11	F-SB-57RE-12	F-SB-57RE-13	F-SB-57RE-14	F-SB-57RE-15	SB-57-15	F-SB-58RE-11	F-SB-58RE-12	F-SB-58RE-13	F-SB-58RE-14
SAMPLE DATE	20050525	20090917	20090917	20090917	20090917	20090917	20040913	20090917	20090917	20090917	20090917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	13	14	15	15	11	12	13	14
BOTTOM DEPTH	14	11	12	13	14	15	15	11	12	13	14
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-058	SB-058	SB-058	SB-058A	SB-058A	SB-058B	SB-058B	SB-058C	SB-058C	SB-058D	SB-058D
SAMPLE ID	F-SB-58RE-15	SB-58-15	SB-58-20	F-SB-58REA-12	F-SB-58REA-14	F-SB-58REB-12	F-SB-58REB-14	F-SB-58REC-12	F-SB-58REC-14	F-SB-58RED-12	F-SB-58RED-14
SAMPLE DATE	20090917	20040913	20040913	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	20	12	14	12	14	12	14	12	14
BOTTOM DEPTH	15	15	20	12	14	12	14	12	14	12	14
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	63 U	65 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	63 U	65 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	63 U	65 U	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	63 U	65 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	13 U	13 U	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	6 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	1000 U	1100 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-058	SB-058	SB-058	SB-058A	SB-058A	SB-058B	SB-058B	SB-058C	SB-058C	SB-058D	SB-058D
SAMPLE ID	F-SB-58RE-15	SB-58-15	SB-58-20	F-SB-58REA-12	F-SB-58REA-14	F-SB-58REB-12	F-SB-58REB-14	F-SB-58REC-12	F-SB-58REC-14	F-SB-58RED-12	F-SB-58RED-14
SAMPLE DATE	20090917	20040913	20040913	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	20	12	14	12	14	12	14	12	14
BOTTOM DEPTH	15	20	20	12	14	12	14	12	14	12	14
2,4-DICHLOROPHENOL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	1000 U	1100 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	1000 U	1100 U	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	1000 U	1100 U	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	950 U	1000 U	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	1000 U	1100 U	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	1000 U	1100 U	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	1000 U	1100 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	410 U	590	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	410 U	440 U	52	1.5 U	2.1 U	498	44	263	50	50
BAP EQUIVALENT-POS	1.6 U	410 U	440 U	51	1.5 U	2.1 U	498	43	263	49	49
BENZO(A)ANTHRACENE	1.2 U	410 U	440 U	30	1.1 U	1.6 U	210	25	200	28	32
BENZO(A)PYRENE	1.6 U	410 U	440 U	39	1.5 U	2.1 U	330	33	170	38	38
BENZO(B)FLUORANTHENE	1.5 U	410 U	440 U	51	1.4 U	2 U	480	45	230	50	46
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	410 U	440 U	19	1.9 U	2.8 U	200	12	74	8.9	14
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	410 U	440 U	29	1 U	1.5 U	270	19	180	30	24
DIBENZO(A,H)ANTHRACENE	1.6 U	410 U	440 U	1.8 U	1.5 U	2.1 U	74	1.9 U	40	1.7 U	1.8 U
FLUORANTHENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-058	SB-058	SB-058	SB-058A	SB-058A	SB-058B	SB-058B	SB-058C	SB-058C	SB-058D	SB-058D
SAMPLE ID	F-SB-58RE-15	SB-58-15	SB-58-20	F-SB-58REA-12	F-SB-58REA-14	F-SB-58REB-12	F-SB-58REB-14	F-SB-58REC-12	F-SB-58REC-14	F-SB-58RED-12	F-SB-58RED-14
SAMPLE DATE	20090917	20040913	20040913	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	20	12	14	12	14	12	14	12	14
BOTTOM DEPTH	15	15	20	12	14	12	14	12	14	12	14
INDENO(1,2,3-CD)PYRENE	1.8 U	410 U	440 U	38	1.7 U	2.5 U	230	32	88	30	34
NAPHTHALENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	410 U	440 U	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	206	0 U	0 U	1794	166	982	184.9	188
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	310 U	330 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	310 U	330 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	310 U	330 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	310 U	330 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	310 U	330 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	310 U	330 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	310 U	330 U	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	0 U	0 U	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	3.1 UR	3 UR	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	5.3 L	2.5 L	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	3.1 U	3 U	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	3.1 UL	3 UL	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	26 L	3.8 L	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	22	4.8 K	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	20 J	3 UJ	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.12 UL	0.12 UL	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	18	23	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	3.1 UL	3 UL	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	3.1 UR	3 UR	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	2.4 UL	2.4 UL	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	49 J	30 UL	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	12000 U	13000 U	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	130 U	130 U	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-058	SB-058	SB-058	SB-058A	SB-058A	SB-058B	SB-058B	SB-058C	SB-058C	SB-058D	SB-058D
SAMPLE ID	F-SB-58RE-15	SB-58-15	SB-58-20	F-SB-58REA-12	F-SB-58REA-14	F-SB-58REB-12	F-SB-58REB-14	F-SB-58REC-12	F-SB-58REC-14	F-SB-58RED-12	F-SB-58RED-14
SAMPLE DATE	20090917	20040913	20040913	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	20	12	14	12	14	12	14	12	14
BOTTOM DEPTH	15	15	20	12	14	12	14	12	14	12	14
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-059	SB-062	SB-065	SB-065	SB-067	SB-067	SB-067	SB-244	SB-245	SB-246	SB-247
SAMPLE ID	SB-59-15	SB-62-15	SB-65-15	SB-65-20	SB-67-15	SB-67-20	SB-67-25	SB-244-15	SB-245-15	SB-246-15	SB-247-15
SAMPLE DATE	20040923	20040923	20040917	20040917	20040927	20040927	20040927	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	15	20	15	20	25	15	15	15	15
BOTTOM DEPTH	15	15	15	20	15	20	25	15	15	15	15
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
2-BUTANONE	58 U	61 U	56 U	57 U	62 UL	63 UL	60 UL	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
2-CHLOROTOLUENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
2-HEXANONE	58 U	61 U	56 U	57 U	62 UL	63 UL	60 UL	NA	NA	NA	NA
4-CHLOROTOLUENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
4-METHYL-2-PENTANONE	58 U	61 U	56 U	57 U	62 UL	63 UL	60 UL	NA	NA	NA	NA
ACETONE	58 U	61 U	56 U	57 U	62 UL	63 UL	60 UL	NA	NA	NA	NA
BENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
BROMOBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
BROMOFORM	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
BROMOMETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CARBON DISULFIDE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CHLOROBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CHLOROETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CHLOROFORM	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CHLOROMETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
DIBROMOMETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
M+P-XYLENES	12 U	12 U	11 U	11 U	12 UL	13 UL	12 UL	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
METHYLENE CHLORIDE	9 J	9 J	8 J	9 J	6 UL	6 UL	6 UL	NA	NA	NA	NA
NAPHTHALENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
N-BUTYLBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
N-PROPYLBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
O-XYLENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
STYRENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
TOLUENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
TRICHLOROETHENE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
VINYL ACETATE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
VINYL CHLORIDE	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	9800 U	1000 U	950 U	970 U	1000 U	11000 U	1000 U	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-059	SB-062	SB-065	SB-065	SB-067	SB-067	SB-067	SB-244	SB-245	SB-246	SB-247
SAMPLE ID	SB-59-15	SB-62-15	SB-65-15	SB-65-20	SB-67-15	SB-67-20	SB-67-25	SB-244-15	SB-245-15	SB-246-15	SB-247-15
SAMPLE DATE	20040923	20040923	20040917	20040917	20040927	20040927	20040927	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	15	20	15	20	25	15	15	15	15
BOTTOM DEPTH	15	15	20	20	15	20	25	15	15	15	15
2,4-DICHLOROPHENOL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
2,4-DINITROPHENOL	9800 U	1000 U	950 U	970 U	1000 U	11000 U	1000 U	NA	NA	NA	NA
2,4-DINITROTOLUENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
2,6-DINITROTOLUENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
2-CHLORONAPHTHALENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
2-CHLOROPHENOL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
2-METHYLPHENOL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
2-NITROANILINE	9800 U	1000 U	950 U	970 U	1000 U	11000 U	1000 U	NA	NA	NA	NA
2-NITROPHENOL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
3&4-METHYLPHENOL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
3-NITROANILINE	9800 U	1000 U	950 U	970 U	1000 U	11000 U	1000 U	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	9000 U	940 U	880 U	890 U	950 U	9700 U	930 U	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
4-CHLOROANILINE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	9800 U	1000 U	950 U	970 U	1000 U	11000 U	1000 U	NA	NA	NA	NA
4-NITROPHENOL	9800 U	1000 U	950 U	970 U	1000 U	11000 U	1000 U	NA	NA	NA	NA
ACETOPHENONE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
CAPROLACTAM	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
CARBAZOLE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
DIBENZOFURAN	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
DIETHYL PHTHALATE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
HEXACHLOROBENZENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
HEXACHLOROETHANE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
ISOPHORONE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
NITROBENZENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
PENTACHLOROPHENOL	9800 U	1000 U	950 U	970 U	1000 U	11000 U	1000 U	NA	NA	NA	NA
PHENOL	3900 U	520	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
ACENAPHTHENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
ACENAPHTHYLENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
ANTHRACENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	3021	410 U	380 U	390 U	410 U	3182	410 U	NA	NA	NA	NA
BAP EQUIVALENT-POS	876	410 U	380 U	390 U	410 U	431	410 U	NA	NA	NA	NA
BENZO(A)ANTHRACENE	520 J	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
BENZO(A)PYRENE	770 J	410 U	380 U	390 U	410 U	430 J	410 U	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	460 J	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	690 J	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	770 J	410 U	380 U	390 U	410 U	510 J	410 U	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
FLUORANTHENE	740 J	410 U	380 U	390 U	410 U	510 J	410 U	NA	NA	NA	NA
FLUORENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA

LOCATION	SB-059	SB-062	SB-065	SB-065	SB-067	SB-067	SB-067	SB-244	SB-245	SB-246	SB-247
SAMPLE ID	SB-59-15	SB-62-15	SB-65-15	SB-65-20	SB-67-15	SB-67-20	SB-67-25	SB-244-15	SB-245-15	SB-246-15	SB-247-15
SAMPLE DATE	20040923	20040923	20040917	20040917	20040927	20040927	20040927	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	15	20	15	20	25	15	15	15	15
BOTTOM DEPTH	15	15	15	20	15	20	25	15	15	15	15
INDENO(1,2,3-CD)PYRENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
NAPHTHALENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
PHENANTHRENE	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA	NA	NA	NA
PYRENE	1800 J	410 U	380 U	390 U	410 U	790 J	410 U	NA	NA	NA	NA
TOTAL PAHS	5750	0 U	0 U	0 U	0 U	2240	0 U	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	290 U	300 U	280 U	290 U	310 U	310 U	300 U	38 U	39 U	40 U	38 U
AROCLOR-1221	290 U	300 U	280 U	290 U	310 U	310 U	300 U	38 U	39 U	40 U	38 U
AROCLOR-1232	290 U	300 U	280 U	290 U	310 U	310 U	300 U	38 U	39 U	40 U	38 U
AROCLOR-1242	290 U	300 U	280 U	290 U	310 U	310 U	300 U	38 U	39 U	40 U	38 U
AROCLOR-1248	290 U	300 U	280 U	290 U	310 U	310 U	300 U	38 U	39 U	40 U	38 U
AROCLOR-1254	290 U	300 U	280 U	290 U	310 U	310 U	300 U	38 U	39 U	40 U	38 U
AROCLOR-1260	290 U	300 U	280 U	290 U	310 U	310 U	300 U	38 U	39 U	40 U	38 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	2.5 UL	2.6 UL	2.8 UR	2.8 U	2.9 UL	2.7 UL	2.6 UL	NA	NA	NA	NA
ARSENIC	2.8	0.71	0.57 UL	0.57 U	2.5	1.2 K	0.52 U	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	2.5 U	2.6 U	2.8 UL	2.8 U	2.9 U	2.7 U	2.6 U	NA	NA	NA	NA
CADMIUM	2.5 U	2.6 U	2.8 UL	2.8 U	2.9 U	2.7 U	2.6 U	NA	NA	NA	NA
CHROMIUM	27 J	6.4 J	2.8 U	2.8 U	14 J	19 J	16 J	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	15	3	5 L	3.4 L	11 J	9.7 J	4.9 J	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	11	2.6 U	2.8 UL	2.8 UJ	6.5 K	7.5 K	2.6 U	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.1 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.1 U	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	15	2.6 U	6.6	3.5 K	10 K	4.3 K	7.6 K	NA	NA	NA	NA
SELENIUM	2.5 U	2.6 U	2.8 UL	2.8 U	2.9 U	2.7 U	2.6 U	NA	NA	NA	NA
SILVER	2.5 UR	2.6 UR	2.8 UR	2.8 UL	2.9 UR	2.7 UR	2.6 UR	NA	NA	NA	NA
THALLIUM	2 U	2.1 U	2.3 UL	2.3 UL	2.3 U	2.2 U	2.1 U	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	50 J	26 UL	28 U	28 UL	29 UL	27 UL	26 UL	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	11000 U	12000 U	11000 U	12000 U	12000 U	13000 U	12000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	120 U	120 U	110 U	110 U	120 U	130 U	120 U	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-059	SB-062	SB-065	SB-065	SB-067	SB-067	SB-067	SB-244	SB-245	SB-246	SB-247
SAMPLE ID	SB-59-15	SB-62-15	SB-65-15	SB-65-20	SB-67-15	SB-67-20	SB-67-25	SB-244-15	SB-245-15	SB-246-15	SB-247-15
SAMPLE DATE	20040923	20040923	20040917	20040917	20040927	20040927	20040927	20050607	20050607	20050607	20050607
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	15	20	15	20	25	15	15	15	15
BOTTOM DEPTH	15	15	15	20	15	20	25	15	15	15	15
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-248	SB-249	SB-775	SB-775	SB-775	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	SB-248-15	SB-249-15	D-SB-775-11	D-SB-775-13	D-SB-775-15	D-SB-776-11	D-SB-776-13	D-SB-776-15	D-SB-777-11	D-SB-777-13	D-SB-777-15
SAMPLE DATE	20050607	20050607	20100831	20100831	20100831	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-248	SB-249	SB-775	SB-775	SB-775	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	SB-248-15	SB-249-15	D-SB-775-11	D-SB-775-13	D-SB-775-15	D-SB-776-11	D-SB-776-13	D-SB-776-15	D-SB-777-11	D-SB-777-13	D-SB-777-15
SAMPLE DATE	20050607	20050607	20100831	20100831	20100831	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	15	11	13	15	11	13	15	11	13	15
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U	3.8 U	13	3.9 U
2-METHYLNAPHTHALENE	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U	3.8 U	20	3.9 U
ACENAPHTHENE	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U	3.8 U	87	3.9 U
ACENAPHTHYLENE	NA	NA	15	49	4.2 U	28	37	3.9 U	3.8 U	4 U	3.9 U
ANTHRACENE	NA	NA	3.9 U	20	4.2 U	10	15	3.9 U	3.8 U	89	3.9 U
BAP EQUIVALENT-HALFND	NA	NA	113	175	4.2 U	88	97	3.9 U	22	269	3.9 U
BAP EQUIVALENT-POS	NA	NA	113	173	4.2 U	88	97	3.9 U	20	269	3.9 U
BENZO(A)ANTHRACENE	NA	NA	31	88	4.2 U	37	33	3.9 U	16	220	3.9 U
BENZO(A)PYRENE	NA	NA	71	140	4.2 U	51	59	3.9 U	15	180	3.9 U
BENZO(B)FLUORANTHENE	NA	NA	78	150	4.2 U	52	56	3.9 U	20	270	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	51	100	4.2 U	41	48	3.9 U	11	110	3.9 U
BENZO(K)FLUORANTHENE	NA	NA	26	61	4.2 U	18	24	3.9 U	11	100	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C1-FLUORENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C2-FLUORENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C2-NAPHTHALENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C3-FLUORENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C3-NAPHTHALENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C4-NAPHTHALENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	79 U
CHRYSENE	NA	NA	50	130	1.4 U	26	41	1.3 U	18	250	1.3 U
DIBENZO(A,H)ANTHRACENE	NA	NA	26	3.9 U	4.2 U	25	25	3.9 U	3.8 U	28	3.9 U
FLUORANTHENE	NA	NA	43	120	4.2 U	26	37	3.9 U	36	580	3.9 U
FLUORENE	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U	3.8 U	85	3.9 U

LOCATION	SB-248	SB-249	SB-775	SB-775	SB-775	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	SB-248-15	SB-249-15	D-SB-775-11	D-SB-775-13	D-SB-775-15	D-SB-776-11	D-SB-776-13	D-SB-776-15	D-SB-777-11	D-SB-777-13	D-SB-777-15
SAMPLE DATE	20050607	20050607	20100831	20100831	20100831	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	15	11	13	15	11	13	15	11	13	15
INDENO(1,2,3-CD)PYRENE	NA	NA	51	88	4.2 U	30	36	3.9 U	9.6	110	3.9 U
NAPHTHALENE	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U	3.8 U	38	3.9 U
PHENANTHRENE	NA	NA	3.9 U	8.3	4.2 U	4.1 U	4.3 U	3.9 U	23	370	3.9 U
PYRENE	NA	NA	110	300	4.2 U	120	150	3.9 U	29	440	3.9 U
TOTAL PAHS	NA	NA	552	1254.3	0 U	464	561	0 U	188.6	2977	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	38 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	38 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	38 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	38 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	38 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	38 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	38 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	2 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	28.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	0.6 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	0.04 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.8 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	61.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	0.35 UL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-248	SB-249	SB-775	SB-775	SB-775	SB-776	SB-776	SB-776	SB-777	SB-777	SB-777
SAMPLE ID	SB-248-15	SB-249-15	D-SB-775-11	D-SB-775-13	D-SB-775-15	D-SB-776-11	D-SB-776-13	D-SB-776-15	D-SB-777-11	D-SB-777-13	D-SB-777-15
SAMPLE DATE	20050607	20050607	20100831	20100831	20100831	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	15	11	13	15	11	13	15	11	13	15
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-778	SB-778	SB-778	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780	SB-781	SB-781
SAMPLE ID	D-SB-778-11	D-SB-778-13	D-SB-778-15	D-SB-779-11	D-SB-779-13	D-SB-779-15	D-SB-780-11	D-SB-780-13	D-SB-780-15	D-SB-781-11	D-SB-781-13
SAMPLE DATE	20100831	20100831	20100831	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-778	SB-778	SB-778	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780	SB-781	SB-781
SAMPLE ID	D-SB-778-11	D-SB-778-13	D-SB-778-15	D-SB-779-11	D-SB-779-13	D-SB-779-15	D-SB-780-11	D-SB-780-13	D-SB-780-15	D-SB-781-11	D-SB-781-13
SAMPLE DATE	20100831	20100831	20100831	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	4 U	41	4 U	4.2 U	3.9 U	3.9 U	3.8 U	4.3 U	3.9 U	3.7 U	4.1 U
2-METHYLNAPHTHALENE	4 U	76	4 U	4.2 U	3.9 U	3.9 U	3.8 U	4.3 U	3.9 U	3.7 U	4.1 U
ACENAPHTHENE	4 U	86	4 U	4.2 U	3.9 U	3.9 U	3.8 U	4.3 U	3.9 U	3.7 U	4.1 U
ACENAPHTHYLENE	4 U	2700	8.9	4.2 U	11	3.9 U	3.8 U	69	3.9 U	3.7 U	93
ANTHRACENE	4 U	1200	4 U	4.2 U	3.9 U	3.9 U	3.8 U	37	3.9 U	3.7 U	36
BAP EQUIVALENT-HALFND	4 U	6217	16	4.2 U	43	3.9 U	3.8 U	198	26	3.7 U	131
BAP EQUIVALENT-POS	4 U	6217	13	4.2 U	43	3.9 U	3.8 U	198	24	3.7 U	129
BENZO(A)ANTHRACENE	4 U	2500	4 U	4.2 U	16	3.9 U	3.8 U	97	18	3.7 U	58
BENZO(A)PYRENE	4 U	4400	12	4.2 U	23	3.9 U	3.8 U	130	19	3.7 U	99
BENZO(B)FLUORANTHENE	4 U	4600	12	4.2 U	23 J	3.9 U	3.8 U	120 J	20 J	3.7 U	140 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	3800	10	4.2 U	16	3.9 U	3.8 U	100	16	3.7 U	160
BENZO(K)FLUORANTHENE	4 U	1400	4 U	4.2 U	11	3.9 U	3.8 U	55	11	3.7 U	56
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	80 U	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	3000	1.3 U	1.4 U	18	1.3 U	1.3 U	120	22	1.2 U	82
DIBENZO(A,H)ANTHRACENE	4 U	820	4 U	4.2 U	15 J	3.9 U	3.8 U	38 J	3.9 U	3.7 U	4.1 U
FLUORANTHENE	4 U	1900	4 U	4.2 U	23	3.9 U	3.8 U	180	34	3.7 U	72
FLUORENE	4 U	190	4 U	4.2 U	3.9 U	3.9 U	3.8 U	14	3.9 U	3.7 U	4.1 U

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-778	SB-778	SB-778	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780	SB-781	SB-781
SAMPLE ID	D-SB-778-11	D-SB-778-13	D-SB-778-15	D-SB-779-11	D-SB-779-13	D-SB-779-15	D-SB-780-11	D-SB-780-13	D-SB-780-15	D-SB-781-11	D-SB-781-13
SAMPLE DATE	20100831	20100831	20100831	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13
INDENO(1,2,3-CD)PYRENE	4 U	2700	4 U	4.2 U	11 J	3.9 U	3.8 U	75 J	11 J	3.7 U	99 J
NAPHTHALENE	4 U	78	4 U	4.2 U	3.9 U	3.9 U	3.8 U	4.3 U	3.9 U	3.7 U	4.1 U
PHENANTHRENE	4 U	280	4 U	4.2 U	3.9 U	3.9 U	3.8 U	41	3.9 U	3.7 U	14
PYRENE	4 U	4500	12	4.2 U	50	3.9 U	3.8 U	280	55	3.7 U	180
TOTAL PAHS	0 U	34230	54.9	0 U	217	0 U	0 U	1356	206	0 U	1089
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-778	SB-778	SB-778	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780	SB-781	SB-781
SAMPLE ID	D-SB-778-11	D-SB-778-13	D-SB-778-15	D-SB-779-11	D-SB-779-13	D-SB-779-15	D-SB-780-11	D-SB-780-13	D-SB-780-15	D-SB-781-11	D-SB-781-13
SAMPLE DATE	20100831	20100831	20100831	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-781	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783	SB-784	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-781-15	D-SB-782-11	D-SB-782-13	D-SB-782-15	D-SB-783-11	D-SB-783-13	D-SB-783-15	D-SB-784-11	D-SB-784-13	D-SB-784-15	D-SB-785-11
SAMPLE DATE	20100901	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	0.52 U	0.59 U	0.5 U	0.52 U	0.57 U	0.71 U	0.56 U	0.53 U	0.57 U	0.56 U
1,1,1-TRICHLOROETHANE	NA	0.47 U	0.53 U	0.45 U	0.47 U	0.52 U	0.64 U	0.51 U	0.48 U	0.51 U	0.5 U
1,1,2,2-TETRACHLOROETHANE	NA	0.28 U	0.32 U	0.27 U	0.29 U	0.31 U	0.39 U	0.31 U	0.29 U	0.31 U	0.31 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	1.1 U	1.2 U	1 U	1.1 U	1.2 U	1.5 U	1.2 U	1.1 U	1.2 U	1.2 U
1,1-DICHLOROETHANE	NA	0.3 U	0.34 U	0.29 U	0.3 U	0.33 U	0.41 U	0.33 U	0.31 U	0.33 U	0.32 U
1,1-DICHLOROETHENE	NA	0.43 U	0.49 U	0.42 U	0.44 U	0.48 U	0.59 U	0.47 U	0.44 U	0.47 U	0.47 U
1,1-DICHLOROPROPENE	NA	0.25 U	0.28 U	0.24 U	0.25 U	0.28 U	0.34 U	0.27 U	0.26 U	0.27 U	0.27 U
1,2,3-TRICHLOROBENZENE	NA	0.32 U	0.36 U	0.31 U	0.32 U	0.35 U	0.43 U	0.35 U	0.32 U	0.35 U	0.34 U
1,2,3-TRICHLOROPROPANE	NA	0.75 U	0.85 U	0.73 U	0.76 U	0.83 U	1 U	0.82 U	0.77 U	0.82 U	0.81 U
1,2,3-TRIMETHYLBENZENE	NA	0.14 U	0.16 U	0.14 U	0.14 U	0.16 U	0.19 U	0.15 U	0.14 U	0.16 U	0.15 U
1,2,4-TRICHLOROBENZENE	NA	0.23 U	0.26 U	0.22 U	0.23 U	0.25 U	0.31 U	0.25 U	0.23 U	0.25 U	0.24 U
1,2,4-TRIMETHYLBENZENE	NA	0.54 U	0.62 U	0.52 U	0.55 U	0.6 U	0.74 U	0.59 U	0.55 U	0.59 U	0.58 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	1.1 U	1.2 U	1 U	1.1 U	1.2 U	1.5 U	1.2 U	1.1 U	1.2 U	1.2 U
1,2-DIBROMOETHANE	NA	0.42 U	0.47 U	0.4 U	0.42 U	0.46 U	0.57 U	0.45 U	0.43 U	0.46 U	0.45 U
1,2-DICHLOROBENZENE	NA	0.3 U	0.34 U	0.29 U	0.3 U	0.33 U	0.41 U	0.33 U	0.31 U	0.33 U	0.32 U
1,2-DICHLOROETHANE	NA	0.28 U	0.32 U	0.27 U	0.29 U	0.31 U	0.39 U	0.31 U	0.29 U	0.31 U	0.31 U
1,2-DICHLOROPROPANE	NA	0.58 U	0.65 U	0.56 U	0.58 U	0.64 U	0.79 U	0.63 U	0.59 U	0.63 U	0.62 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	0.29 U	0.33 U	0.28 U	0.29 U	0.32 U	0.4 U	0.32 U	0.3 U	0.32 U	0.31 U
1,3-DICHLOROPROPANE	NA	0.28 U	0.32 U	0.27 U	0.29 U	0.31 U	0.39 U	0.31 U	0.29 U	0.31 U	0.31 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	0.55 U	0.63 U	0.53 U	0.55 U	0.61 U	0.75 U	0.6 U	0.56 U	0.6 U	0.59 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	0.78 U	0.89 U	0.76 U	0.79 U	0.87 U	1.1 U	0.85 U	0.8 U	0.86 U	0.85 U
2-BUTANONE	NA	1.2 U	1.3 U	1.1 U	1.2 U	1.3 U	1.6 U	1.3 U	1.2 U	1.3 U	1.6 J
2-CHLOROETHYL VINYL ETHER	NA	1.2 U	1.3 U	1.1 U	1.2 U	1.3 U	1.6 U	1.3 U	1.2 U	1.3 U	1.3 U
2-CHLOROTOLUENE	NA	0.33 U	0.38 U	0.32 U	0.34 U	0.37 U	0.46 U	0.36 U	0.34 U	0.37 U	0.36 U
2-HEXANONE	NA	0.53 U	0.6 U	0.51 U	0.53 U	0.58 U	0.72 U	0.57 U	0.54 U	0.57 U	0.57 U
4-CHLOROTOLUENE	NA	0.34 U	0.39 U	0.33 U	0.34 U	0.38 U	0.47 U	0.37 U	0.35 U	0.37 U	0.37 U
4-ISOPROPYLTOLUENE	NA	0.18 U	0.2 U	0.17 U	0.18 U	0.19 U	0.24 U	0.19 U	0.18 U	0.19 U	0.19 U
4-METHYL-2-PENTANONE	NA	0.45 U	0.51 U	0.44 U	0.45 U	0.5 U	0.62 U	0.49 U	0.46 U	0.49 U	0.49 U
ACETONE	NA	5.3 U	6 U	5.1 U	5.3 U	5.8 B	7.2 U	5.7 U	5.4 U	5.7 U	37 B
BENZENE	NA	0.19 U	0.22 U	0.19 U	0.19 U	0.21 U	0.26 U	0.21 U	0.2 U	0.21 U	0.21 U
BROMOBENZENE	NA	0.28 U	0.31 U	0.27 U	0.28 U	0.3 U	0.38 U	0.3 U	0.28 U	0.3 U	0.3 U
BROMOCHLOROMETHANE	NA	0.59 U	0.67 U	0.57 U	0.6 U	0.66 U	0.81 U	0.64 U	0.6 U	0.65 U	0.64 U
BROMODICHLOROMETHANE	NA	0.23 U	0.27 U	0.23 U	0.24 U	0.26 U	0.32 U	0.25 U	0.24 U	0.26 U	0.25 U
BROMOFORM	NA	0.28 U	0.31 U	0.27 U	0.28 U	0.3 U	0.38 U	0.3 U	0.28 U	0.3 U	0.3 U
BROMOMETHANE	NA	0.45 U	0.51 U	0.44 U	0.45 U	0.5 U	0.62 U	0.49 U	0.46 U	0.49 U	0.49 U
CARBON DISULFIDE	NA	0.37 U	0.42 U	0.35 U	0.37 U	0.41 U	0.5 U	0.4 U	0.37 U	0.4 U	0.81 B
CARBON TETRACHLORIDE	NA	0.31 U	0.35 U	0.3 U	0.31 U	0.34 U	0.42 U	0.34 U	0.31 U	0.34 U	0.33 U
CHLOROBENZENE	NA	0.28 U	0.31 U	0.27 U	0.28 U	0.3 U	0.38 U	0.3 U	0.28 U	0.3 U	0.3 U
CHLORODIBROMOMETHANE	NA	0.46 U	0.52 U	0.44 U	0.46 U	0.51 U	0.63 U	0.5 U	0.47 U	0.5 U	0.49 U
CHLOROETHANE	NA	0.72 U	0.81 U	0.69 U	0.72 U	0.79 U	0.98 U	0.78 U	0.73 U	0.78 U	0.77 U
CHLOROFORM	NA	0.24 U	0.27 U	0.23 U	0.24 U	0.27 U	0.33 U	0.26 U	0.25 U	0.26 U	0.26 U
CHLOROMETHANE	NA	0.34 U	0.39 U	0.33 U	0.34 U	0.38 U	0.47 U	0.37 U	0.35 U	0.37 U	0.37 U
CIS-1,2-DICHLOROETHENE	NA	0.3 U	0.34 U	0.29 U	0.3 U	0.33 U	0.41 U	0.33 U	0.31 U	0.33 U	0.32 U
CIS-1,3-DICHLOROPROPENE	NA	0.28 U	0.32 U	0.27 U	0.29 U	0.31 U	0.39 U	0.31 U	0.29 U	0.31 U	0.31 U
DIBROMOMETHANE	NA	0.53 U	0.6 U	0.51 U	0.53 U	0.58 U	0.72 U	0.57 U	0.54 U	0.57 U	0.57 U
DICHLORODIFLUOROMETHANE	NA	0.42 U	0.47 U	0.4 U	0.42 U	0.46 U	0.57 U	0.45 U	0.43 U	0.46 U	0.45 U
DIISOPROPYL ETHER	NA	1.3 U	1.4 U	1.2 U	1.3 U	1.4 U	1.7 U	1.4 U	1.3 U	1.4 U	1.3 U
ETHYL TERT-BUTYL ETHER	NA	0.18 U	0.21 U	0.18 U	0.18 U	0.2 U	0.25 U	0.2 U	0.19 U	0.2 U	0.2 U
ETHYLBENZENE	NA	0.22 U	0.25 U	0.21 U	0.22 U	0.24 U	0.3 U	0.24 U	0.22 U	0.24 U	0.23 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	1 U	1.1 U	0.97 U	1 U	1.1 U	1.4 U	1.1 U	1 U	1.1 U	1.1 U
ISOPROPYLBENZENE	NA	0.13 U	0.15 U	0.13 U	0.13 U	0.15 U	0.18 U	0.15 U	0.14 U	0.15 U	0.14 U
M+P-XYLENES	NA	1 U	1.1 U	0.97 U	1 U	1.1 U	1.4 U	1.1 U	1 U	1.1 U	1.1 U
METHYL TERT-BUTYL ETHER	NA	0.36 U	0.41 U	0.35 U	0.36 U	0.4 U	0.49 U	0.39 U	0.37 U	0.39 U	0.39 U
METHYLENE CHLORIDE	NA	0.56 U	0.63 U	0.54 U	0.56 U	0.62 U	0.77 U	0.61 U	0.57 U	0.61 U	0.6 U
NAPHTHALENE	NA	0.16 U	0.18 U	0.15 U	0.16 U	0.18 U	0.22 U	0.17 U	0.16 U	0.17 U	0.8 B
N-BUTYLBENZENE	NA	0.19 U	0.22 U	0.19 U	0.19 U	0.21 U	0.26 U	0.21 U	0.2 U	0.21 U	0.21 U
N-PROPYLBENZENE	NA	0.33 U	0.38 U	0.32 U	0.34 U	0.37 U	0.46 U	0.36 U	0.34 U	0.37 U	0.36 U
O-XYLENE	NA	0.29 U	0.33 U	0.28 U	0.29 U	0.32 U	0.4 U	0.32 U	0.3 U	0.32 U	0.31 U
SEC-BUTYLBENZENE	NA	0.15 U	0.17 U	0.15 U	0.15 U	0.17 U	0.21 U	0.16 U	0.15 U	0.16 U	0.16 U
STYRENE	NA	0.13 U	0.14 U	0.12 U	0.13 U	0.14 U	0.17 U	0.14 U	0.13 U	0.14 U	0.13 U
TERT-AMYL METHYL ETHER	NA	0.31 U	0.35 U	0.3 U	0.31 U	0.34 U	0.42 U	0.34 U	0.31 U	0.34 U	0.33 UJ
TERT-BUTYLBENZENE	NA	0.24 U	0.27 U	0.23 U	0.24 U	0.27 U	0.33 U	0.26 U	0.25 U	0.26 U	0.26 U
TERTIARY-BUTYL ALCOHOL	NA	6.3 UR	7.2 UR	6.1 UR	6.4 UR	7 UR	8.7 UR	6.9 UR	6.5 UR	6.9 UR	47 B
TETRACHLOROETHENE	NA	0.43 U	0.49 U	0.42 U	0.44 U	0.48 U	0.59 U	0.47 U	0.44 U	0.47 U	0.47 U
TOLUENE	NA	0.23 U	0.26 U	0.22 U	0.23 U	0.25 U	0.31 U	0.25 U	0.23 U	0.25 U	0.28 J
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	0.56 U	0.63 U	0.54 U	0.56 U	0.62 U	0.77 U	0.61 U	0.57 U	0.61 U	0.6 U
TRANS-1,2-DICHLOROETHENE	NA	0.34 U	0.39 U	0.33 U	0.34 U	0.38 U	0.47 U	0.37 U	0.35 U	0.37 U	0.37 U
TRANS-1,3-DICHLOROPROPENE	NA	0.45 U	0.51 U	0.44 U	0.45 U	0.5 U	0.62 U	0.49 U	0.46 U	0.49 U	0.49 U
TRICHLOROETHENE	NA	0.35 U	0.4 U	0.34 U	0.35 U	0.39 U	0.48 U	0.38 U	0.36 U	0.38 U	0.38 U
TRICHLOROFLUOROMETHANE	NA	0.28 U	0.32 U	0.27 U	0.29 U	0.31 U	0.39 U	0.31 U	0.29 U	0.31 U	0.31 U
VINYL ACETATE	NA	0.21 U	0.24 U	0.2 U	0.21 U	0.23 U	0.29 U	0.23 U	0.21 U	0.23 U	0.22 U
VINYL CHLORIDE	NA	0.33 U	0.37 U	0.31 U	0.33 U	0.36 U	0.45 U	0.35 U	0.33 U	0.36 U	0.35 U
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	25 U	27 U	25 U	26 U	27 U	27 U	26 U	26 U	27 U	26 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	11 U	12 U	11 U	11 U	12 U	12 U	11 U	11 U	12 U	11 U
2,4,5-TRICHLOROPHENOL	NA	29 U	31 U	29 U	30 U	30 U	30 U	29 U	29 U	31 U	30 U
2,4,6-TRICHLOROPHENOL	NA	93 U	100 U	92 U	95 U	97 U	97 U	94 U	93 U	99 U	95 U

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-781	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-781-15	D-SB-782-11	D-SB-782-13	D-SB-782-15	D-SB-783-11	D-SB-783-13	D-SB-783-15	D-SB-784-11	D-SB-784-13	D-SB-784-15	D-SB-785-11
SAMPLE DATE	20100901	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11
2,4-DICHLOROPHENOL	NA	23 U	25 U	23 U	24 U	24 U	24 U	24 U	23 U	25 U	24 U
2,4-DIMETHYLPHENOL	NA	23 U	25 U	23 U	24 U	24 U	24 U	24 U	23 U	25 U	24 U
2,4-DINITROPHENOL	NA	93 U	100 U	92 U	95 U	97 U	97 U	94 U	93 U	99 U	95 U
2,4-DINITROTOLUENE	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
2,6-DINITROTOLUENE	NA	24 U	26 U	24 U	25 U	26 U	26 U	25 U	24 U	26 U	25 U
2-CHLORONAPHTHALENE	NA	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
2-CHLOROPHENOL	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
2-METHYLPHENOL	NA	93 U	100 U	92 U	95 U	97 U	97 U	94 U	93 U	99 U	95 U
2-NITROANILINE	NA	11 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
2-NITROPHENOL	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	21 U	22 U	21 U	21 U	22 U	22 U	21 U	21 U	22 U	21 U
3-NITROANILINE	NA	19 U	20 U	18 U	19 U	19 U	19 U	19 U	19 U	20 U	19 U
4,6-DINITRO-2-METHYLPHENOL	NA	93 U	100 U	92 U	95 U	97 U	97 U	94 U	93 U	99 U	95 U
4-BROMOPHENYL PHENYL ETHER	NA	15 U	16 U	15 U	15 U	16 U	16 U	15 U	15 U	16 U	15 U
4-CHLORO-3-METHYLPHENOL	NA	24 U	26 U	24 U	25 U	26 U	26 U	25 U	24 U	26 U	25 U
4-CHLOROANILINE	NA	20 U	21 U	20 U	20 U	21 U	21 U	20 U	20 U	21 U	20 U
4-CHLOROPHENYL PHENYL ETHER	NA	15 U	16 U	15 U	15 U	16 U	16 U	15 U	15 U	16 U	15 U
4-METHYLPHENOL	NA	93 U	100 U	92 U	95 U	97 U	97 U	94 U	93 U	99 U	95 U
4-NITROANILINE	NA	30 U	32 U	30 U	31 U	32 U	32 U	31 U	30 U	32 U	31 U
4-NITROPHENOL	NA	93 U	100 U	92 U	95 U	97 U	97 U	94 U	93 U	99 U	95 U
ACETOPHENONE	NA	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	11 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	14 U	15 U	14 U	14 U	15 U	15 U	14 U	14 U	15 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	25 U	27 U	25 U	26 U	27 U	27 U	26 U	26 U	27 U	26 U
BIS(2-CHLOROETHYL)ETHER	NA	2.3 U	2.5 U	2.3 U	2.4 U	2.4 U	2.4 U	2.4 U	2.3 U	2.5 U	2.4 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	22 U	24 U	22 U	22 U	23 U	23 U	22 U	78	23 U	22 U
BUTYL BENZYL PHTHALATE	NA	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	22 J	12 U
CAPROLACTAM	NA	43 U	46 U	43 U	44 U	45 U	45 U	44 U	43 U	46 U	44 U
CARBAZOLE	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
DIBENZOFURAN	NA	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
DIETHYL PHTHALATE	NA	19 U	20 U	18 U	19 U	19 U	19 U	19 U	19 U	20 U	19 U
DIMETHYL PHTHALATE	NA	20 U	21 U	20 U	20 U	21 U	21 U	20 U	20 U	21 U	20 U
DI-N-BUTYL PHTHALATE	NA	17 U	19 U	17 U	18 U	18 U	18 U	18 U	17 U	18 U	18 U
DI-N-OCTYL PHTHALATE	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
HEXACHLOROBENZENE	NA	2.4 U	2.6 U	2.4 U	2.5 U	2.6 U	2.6 U	2.5 U	2.4 U	2.6 U	2.5 U
HEXACHLOROBUTADIENE	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
HEXACHLOROCYCLOPENTADIENE	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
HEXACHLOROETHANE	NA	10 U	11 U	10 U	11 U	11 U	11 U	11 U	10 U	11 U	11 U
ISOPHORONE	NA	15 U	16 U	15 U	15 U	16 U	16 U	15 U	15 U	16 U	15 U
NITROBENZENE	NA	2.5 U	2.7 U	2.5 U	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	2.6 U
N-NITROSODIMETHYLAMINE	NA	19 U	20 U	18 U	19 U	19 U	19 U	19 U	19 U	20 U	19 U
N-NITROSO-DI-N-PROPYLAMINE	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
N-NITROSODIPHENYLAMINE	NA	24 U	26 U	24 U	25 U	26 U	26 U	25 U	24 U	26 U	25 U
PENTACHLOROPHENOL	NA	93 U	100 U	92 U	95 U	97 U	97 U	94 U	93 U	99 U	95 U
PHENOL	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U	31 U	33 U	32 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	3.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
ACENAPHTHENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
ACENAPHTHYLENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
ANTHRACENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
BAP EQUIVALENT-HALFND	3.9 U	3.8 U	5.8	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
BAP EQUIVALENT-POS	3.9 U	3.8 U	1.3	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
BENZO(A)ANTHRACENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
BENZO(A)PYRENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
BENZO(B)FLUORANTHENE	3.9 U	3.8 U	13	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
BENZO(K)FLUORANTHENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	8.7	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
FLUORANTHENE	3.9 U	3.8 U	15	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
FLUORENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-781	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-781-15	D-SB-782-11	D-SB-782-13	D-SB-782-15	D-SB-783-11	D-SB-783-13	D-SB-783-15	D-SB-784-11	D-SB-784-13	D-SB-784-15	D-SB-785-11
SAMPLE DATE	20100901	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11
INDENO(1,2,3-CD)PYRENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
NAPHTHALENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
PHENANTHRENE	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
PYRENE	3.9 U	3.8 U	15	3.8 U	3.9 U	4 U	4 U	3.9 U	3.8 U	4.1 U	3.9 U
TOTAL PAHS	0 U	0 U	51.7	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	0.72 U	0.77 U	0.71 U	0.73 UJ	0.75 UJ	0.75 UJ	0.73 U	0.72 U	0.76 U	0.73 UJ
4,4'-DDE	NA	0.45 U	0.49 U	0.45 U	0.46 U	0.47 U	0.47 U	0.46 U	0.45 U	0.48 U	0.46 U
4,4'-DDT	NA	0.73 U	0.79 U	0.73 U	0.75 U	0.77 U	0.77 U	0.74 U	0.73 U	0.78 U	0.75 UJ
ALDRIN	NA	1.4 U	1.5 U	1.4 U	1.4 UJ	1.5 UJ	1.5 UJ	1.4 U	1.4 U	1.5 U	1.4 U
ALPHA-BHC	NA	0.85 U	0.91 U	0.84 U	0.86 UJ	0.89 UJ	0.89 UJ	0.86 U	0.85 U	0.9 U	0.86 U
ALPHA-CHLORDANE	NA	1.1 U	1.2 U	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.2 U	1.1 U
AROCLOR-1016	NA	24 U	26 U	24 U	25 U	26 U	26 U	25 U	24 U	26 U	25 U
AROCLOR-1221	NA	19 U	20 U	18 U	19 U	19 U	19 U	19 U	19 U	20 U	19 U
AROCLOR-1232	NA	16 U	17 U	16 U	17 U	17 U	17 U	17 U	16 U	17 U	17 U
AROCLOR-1242	NA	15 U	16 U	15 U	15 U	16 U	16 U	15 U	15 U	16 U	15 U
AROCLOR-1248	NA	20 U	21 U	20 U	20 U	21 U	21 U	20 U	20 U	21 U	20 U
AROCLOR-1254	NA	20 U	21 U	20 U	20 U	21 U	21 U	20 U	20 U	21 U	20 U
AROCLOR-1260	NA	20 U	21 U	20 U	20 U	21 U	21 U	20 U	20 U	21 U	20 U
BETA-BHC	NA	1.3 U	1.4 U	1.3 U	1.3 UJ	1.3 UJ	1.3 UJ	1.3 U	1.3 U	1.4 U	1.3 U
DELTA-BHC	NA	1.4 U	1.5 U	1.4 U	1.4 UJ	1.5 UJ	1.5 UJ	1.4 U	1.4 U	1.5 U	1.4 U
DIELDRIN	NA	0.54 U	0.59 U	0.54 U	0.56 UJ	0.57 UJ	0.57 UJ	0.55 U	0.55 U	0.58 U	0.56 U
ENDOSULFAN I	NA	0.6 U	0.65 U	0.6 U	0.62 UJ	0.63 UJ	0.63 UJ	0.61 U	0.61 U	0.64 U	0.62 U
ENDOSULFAN II	NA	0.95 U	1 U	0.94 U	0.97 UJ	1 UJ	1 UJ	0.97 U	0.96 U	1 U	0.97 U
ENDOSULFAN SULFATE	NA	1 U	1.1 U	1 U	1 UJ	1.1 UJ	1.1 UJ	1 U	1 U	1.1 U	1 U
ENDRIN	NA	0.58 U	0.62 U	0.58 U	0.59 UJ	0.61 UJ	0.61 UJ	0.59 U	0.58 U	0.62 U	0.59 U
ENDRIN ALDEHYDE	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
ENDRIN KETONE	NA	0.73 U	0.79 U	0.73 U	0.75 U	0.77 U	0.77 U	0.74 U	0.73 U	0.78 U	0.75 U
GAMMA-BHC (LINDANE)	NA	0.86 U	0.92 U	0.85 U	0.88 UJ	0.9 UJ	0.9 UJ	0.87 U	0.86 U	0.91 U	0.88 U
GAMMA-CHLORDANE	NA	0.49 U	0.52 U	0.48 U	0.5 UJ	0.51 UJ	0.51 UJ	0.5 U	0.49 U	0.52 U	0.5 U
HEPTACHLOR	NA	1.3 U	1.4 U	1.3 U	1.3 UJ	1.3 UJ	1.3 UJ	1.3 U	1.3 U	1.4 U	1.3 U
HEPTACHLOR EPOXIDE	NA	0.93 U	1 U	0.92 U	0.95 UJ	0.97 UJ	0.97 UJ	0.94 U	0.93 U	0.99 U	0.95 U
METHOXYCHLOR	NA	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U
TOTAL AROCLOR	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	22 U	24 U	22 U	22 U	23 U	23 U	22 U	22 U	23 U	22 UJ
METALS (MG/KG)											
ANTIMONY	NA	0.22 B	0.19 B	0.072 B	0.11 B	0.084 B	0.36 J	0.12 B	0.18 B	0.39 J	0.28 J
ARSENIC	NA	3.9 J	4.6 J	2.6 J	2.1 J	2.4 J	4.3 J	1.3 J	2.5 J	7.2 J	3.2 L
BARIUM	NA	11.2	20.7	19.2	12.6	14.2	18	7	13.1	20.6	12.7 J
BERYLLIUM	NA	3.4	2.8	2.7	1.1	1.1	3	1.8	2.7	5	6.4 J
CADMIUM	NA	0.077 J	0.054 J	0.096 J	0.011 B	0.012 B	0.019 B	0.012 B	0.014 B	0.023 B	0.0092 U
CHROMIUM	NA	20 J	17.8 J	13.4 J	10.1 J	11.4 J	21.6 J	14.4 J	25.7 J	32.5 J	28.8 J
COBALT	NA	10.9 J	5.9 J	8.2 J	4.3 J	3 J	8.1 J	7.2 J	9.2 J	14.3 J	8
COPPER	NA	17.9 J	18.8 J	6.4 J	8.6 J	23.1 J	21.9 J	39 J	16.6 J	37 J	23.5
IRON	NA	31000 J	19200 J	5110 J	8650 J	6580 J	32800 J	23200 J	31400 J	60600 J	38700 J
LEAD	NA	4.9	10.4	5.6	4.8	6	6.7	4.4	4.4	6.3	6.7
MANGANESE	NA	33.6	31.6	9.7	30.9	14.9	64.2	52.5	55.4	142	66.4
MERCURY	NA	0.017 U	0.019 U	0.017 U	0.018 U	0.018 U	0.018 U	0.018 U	0.017 U	0.018 U	0.018 U
MOLYBDENUM	NA	0.43	0.67	0.073 U	0.12 J	0.17 J	0.51	0.15 J	0.44	0.82	0.32
NICKEL	NA	31.6 J	15.7 J	17.6 J	9.1 J	6.3 J	24.4 J	18.1 J	25.4 J	37.6 J	22.4 J
SELENIUM	NA	2.3	2	4.5	1.3	1.5	1.8	1	0.89	1.4	1.1 J
SILVER	NA	0.019 UL	0.082 J	0.018 UL	0.019 UL	0.019 UL	0.019 UL	0.019 UL	0.019 UL	0.026 J	0.019 UJ
THALLIUM	NA	0.11 B	0.13 B	0.14 B	0.077 B	0.1 B	0.089 B	0.07 B	0.074 B	0.11 B	0.12
VANADIUM	NA	41 J	29.7 J	6.6 J	13.8 J	17.7 J	36.3 J	14.9 J	42.2 J	50.4 J	30.7
ZINC	NA	47.9 J	47 J	46.5 J	25 J	21.9 J	48.5 J	83.2 J	45.7 J	81.3 J	65.8
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	3200 B	6600 B	6500 B	4400 J	3400 U	3400 U	3300 U	3300 U	3500 U	3300 UJ
GASOLINE RANGE ORGANICS	NA	53 U	57 U	53 U	54 U	56 U	56 U	54 U	54 U	57 U	54 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	0.83 J	0.34 U	0.34 J	0.32 U	0.33 U	0.33 U	0.35 J	0.63 J	0.33 U	0.88 J
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-781	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783	SB-784	SB-784	SB-784	SB-785
SAMPLE ID	D-SB-781-15	D-SB-782-11	D-SB-782-13	D-SB-782-15	D-SB-783-11	D-SB-783-13	D-SB-783-15	D-SB-784-11	D-SB-784-13	D-SB-784-15	D-SB-785-11
SAMPLE DATE	20100901	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-785	SB-785	SB-786	SB-786	SB-786	SB-787	SB-787	SB-787	SB-788	SB-788	SB-788
SAMPLE ID	D-SB-785-13	D-SB-785-15	D-SB-786-11	D-SB-786-13	D-SB-786-15	D-SB-787-11	D-SB-787-13	D-SB-787-15	D-SB-788-11	D-SB-788-13	D-SB-788-15
SAMPLE DATE	20100908	20100908	20100903	20100903	20100908	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	0.57 U	0.55 U	6.3 U	8.1 U	0.5 U	0.5 U	0.52 U	0.52 U	0.72 U	0.61 U	0.49 U
1,1,1-TRICHLOROETHANE	0.52 U	0.5 U	15 U	19 U	0.45 U	0.45 U	0.47 U	0.47 U	0.65 U	0.55 U	0.45 U
1,1,2,2-TETRACHLOROETHANE	0.31 U	0.3 U	6.2 U	8 U	0.27 U	0.28 U	0.29 U	0.29 U	0.4 U	0.33 U	0.27 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.2 U	27 U	35 U	1 U	1.1 U	1.1 U	1.1 U	1.5 U	1.3 U	1 U
1,1-DICHLOROETHANE	0.33 U	0.32 U	12 U	15 U	0.29 U	0.29 U	0.3 U	0.3 U	0.42 U	0.35 U	0.29 U
1,1-DICHLOROETHENE	0.48 U	0.46 U	13 U	16 U	0.42 U	0.42 U	0.44 U	0.44 U	0.61 U	0.51 U	0.41 U
1,1-DICHLOROPROPENE	0.28 U	0.27 U	7 U	8.9 U	0.24 U	0.24 U	0.25 U	0.25 U	0.35 U	0.29 U	0.24 U
1,2,3-TRICHLOROBENZENE	0.35 U	0.34 U	7 U	8.9 U	0.3 U	0.31 U	0.32 U	0.32 U	0.44 U	0.37 U	0.3 U
1,2,3-TRICHLOROPROPANE	0.83 U	0.8 U	15 U	19 U	0.72 U	0.73 U	0.76 U	0.76 U	1.1 U	0.88 U	0.72 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.15 U	0.12 U	3.2 J	0.16 J	0.14 U	0.14 U	0.14 U	0.2 U	0.17 U	0.14 U
1,2,4-TRICHLOROBENZENE	0.25 U	0.24 U	5.1 U	6.5 U	0.22 U	0.22 U	0.23 U	0.23 U	0.32 U	0.26 U	0.22 U
1,2,4-TRIMETHYLBENZENE	0.6 U	0.58 U	3.5 U	4.5 U	0.52 U	0.53 U	0.55 U	0.55 U	0.76 U	0.64 U	0.52 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.2 U	35 U	45 U	1 U	1.1 U	1.1 U	1.1 U	1.5 U	1.3 U	1 U
1,2-DIBROMOETHANE	0.46 U	0.44 U	7 U	8.9 U	0.4 U	0.41 U	0.42 U	0.42 U	0.58 U	0.49 U	0.4 U
1,2-DICHLOROBENZENE	0.33 U	0.32 U	6 U	7.7 U	0.29 U	0.29 U	0.3 U	0.3 U	0.42 U	0.35 U	0.29 U
1,2-DICHLOROETHANE	0.31 U	0.3 U	7 U	8.9 U	0.27 U	0.28 U	0.29 U	0.29 U	0.4 U	0.33 U	0.27 U
1,2-DICHLOROPROPANE	0.64 U	0.61 U	5.7 U	7.3 U	0.55 U	0.56 U	0.58 U	0.58 U	0.81 U	0.68 U	0.55 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.32 U	0.31 U	3.3 U	4.3 U	0.28 U	0.28 U	0.29 U	0.3 U	0.41 U	0.34 U	0.28 U
1,3-DICHLOROPROPANE	0.31 U	0.3 U	15 U	20 U	0.27 U	0.28 U	0.29 U	0.29 U	0.4 U	0.33 U	0.27 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.61 U	0.59 U	5.6 U	7.1 U	0.53 U	0.53 U	0.55 U	0.56 U	0.77 U	0.65 U	0.53 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.87 U	0.83 U	16 U	21 U	0.75 U	0.76 U	0.79 U	0.79 U	1.1 U	0.92 U	0.75 U
2-BUTANONE	1.3 U	3.3 J	120 B	38 U	1.1 U	1.1 U	1.2 U	1.7 J	1.6 U	1.9 J	1.3 J
2-CHLOROETHYL VINYL ETHER	1.3 U	1.2 U	30 U	38 U	1.1 U	1.1 U	1.2 U	1.2 U	1.6 U	1.4 U	1.1 U
2-CHLOROTOLUENE	0.37 U	0.36 U	6.3 U	8 U	0.32 U	0.32 U	0.34 U	0.34 U	0.47 U	0.39 U	0.32 U
2-HEXANONE	0.58 U	0.56 U	14 U	18 U	0.5 U	0.51 U	0.53 U	0.53 U	0.74 U	0.62 U	0.5 U
4-CHLOROTOLUENE	0.38 U	0.36 U	6.9 U	8.8 U	0.33 U	0.33 U	0.34 U	0.35 U	0.48 U	0.4 U	0.33 U
4-ISOPROPYLTOLUENE	0.19 U	0.19 U	3.3 U	4.3 U	0.17 U	0.17 U	0.18 U	0.18 U	0.25 U	0.21 U	0.17 U
4-METHYL-2-PENTANONE	0.5 U	0.48 U	33 U	43 U	0.43 U	0.44 U	0.45 U	0.46 U	0.63 U	0.53 U	0.43 U
ACETONE	28 B	200 B	260 B	350 B	16 B	29 B	100 B	200 B	18 B	22 B	230
BENZENE	0.21 U	0.2 U	10 J	20 J	3.4 J	0.19 U	0.19 U	0.19 U	0.27 U	0.23 U	0.18 U
BROMOBENZENE	0.3 U	0.29 U	9.1 U	12 U	0.26 U	0.27 U	0.28 U	0.28 U	0.39 U	0.32 U	0.26 U
BROMOCHLOROMETHANE	0.66 U	0.63 U	9.1 U	12 U	0.57 U	0.58 U	0.6 U	0.6 U	0.83 U	0.7 U	0.57 U
BROMODICHLOROMETHANE	0.26 U	0.25 U	6.9 U	8.8 U	0.22 U	0.23 U	0.24 U	0.24 U	0.33 U	0.27 U	0.22 U
BROMOFORM	0.3 U	0.29 U	13 U	17 U	0.26 U	0.27 U	0.28 U	0.28 U	0.39 U	0.32 U	0.26 U
BROMOMETHANE	0.5 U	0.48 U	20 U	26 U	0.43 U	0.44 U	0.45 U	0.46 U	0.63 U	0.53 U	0.43 U
CARBON DISULFIDE	1.2 B	0.39 U	8.4 U	11 U	0.35 U	0.73 B	0.37 U	0.78 B	1.1 B	1.1 B	0.35 U
CARBON TETRACHLORIDE	0.34 U	0.33 U	4.5 U	5.7 U	0.3 U	0.3 U	0.31 U	0.31 U	0.43 U	0.36 U	0.3 U
CHLOROBENZENE	0.3 U	0.29 U	4.5 U	5.7 U	0.26 U	0.27 U	0.28 U	0.28 U	0.39 U	0.32 U	0.26 U
CHLORODIBROMOMETHANE	0.51 U	0.49 U	8.4 U	11 U	0.44 U	0.45 U	0.46 U	0.46 U	0.64 U	0.54 U	0.44 U
CHLOROETHANE	0.79 U	0.76 U	42 U	54 U	0.69 U	0.7 U	0.72 U	0.73 U	1 U	0.84 U	0.69 U
CHLOROFORM	0.27 U	0.26 U	6.1 U	7.9 U	0.23 U	0.23 U	0.24 U	0.24 U	0.34 U	0.28 U	0.23 U
CHLOROMETHANE	0.7 J	0.36 U	9.8 U	13 U	0.33 U	0.33 U	0.34 U	0.35 U	0.48 U	0.4 U	0.33 U
CIS-1,2-DICHLOROETHENE	0.33 U	0.32 U	4.8 U	6.2 U	0.29 U	0.29 U	0.3 U	0.3 U	0.42 U	0.35 U	0.29 U
CIS-1,3-DICHLOROPROPENE	0.31 U	0.3 U	5.5 U	7.1 U	0.27 U	0.28 U	0.29 U	0.29 U	0.4 U	0.33 U	0.27 U
DIBROMOMETHANE	0.58 U	0.56 U	9.8 U	13 U	0.5 U	0.51 U	0.53 U	0.53 U	0.74 U	0.62 U	0.5 U
DICHLORODIFLUOROMETHANE	0.46 U	0.44 U	11 U	14 U	0.4 U	0.41 U	0.42 U	0.42 U	0.58 U	0.49 U	0.4 U
DIISOPROPYL ETHER	1.4 U	1.3 U	35 U	45 U	1.2 U	1.2 U	1.3 U	1.3 U	1.8 U	1.5 U	1.2 U
ETHYL TERT-BUTYL ETHER	0.2 U	0.2 U	0.15 U	0.2 U	0.18 U	0.18 U	0.18 U	0.19 U	0.26 U	0.22 U	0.18 U
ETHYLBENZENE	0.24 U	0.23 U	3.8 U	9.2 J	0.35 J	0.21 U	0.22 U	0.22 U	0.3 U	0.25 U	0.21 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	1.1 U	1.1 U	9.8 U	13 U	0.96 U	0.97 U	1 U	1 U	1.4 U	1.2 U	0.96 U
ISOPROPYLBENZENE	0.15 U	0.14 U	4.5 U	5.8 U	0.13 U	0.13 U	0.13 U	0.13 U	0.19 U	0.16 U	0.13 U
M+P-XYLENES	1.1 U	1.1 U	12 J	20 J	0.96 U	0.97 U	1 U	1 U	1.4 U	1.2 U	0.96 U
METHYL TERT-BUTYL ETHER	0.4 U	0.38 UJ	4.9 UJ	6.3 UJ	0.34 UJ	0.35 UJ	0.36 UJ	0.36 UJ	0.5 UJ	0.42 UJ	0.34 UJ
METHYLENE CHLORIDE	0.62 U	0.59 U	74 J	77 J	0.54 U	0.54 U	0.56 U	0.57 U	0.78 U	0.66 U	0.53 U
NAPHTHALENE	0.81 B	0.81 B	260	530	47	0.76 B	0.77 B	0.76 B	1.1 B	0.87 B	0.73 B
N-BUTYLBENZENE	0.21 U	0.2 U	5.6 U	7.1 U	0.18 U	0.19 U	0.19 U	0.19 U	0.27 U	0.23 U	0.18 U
N-PROPYLBENZENE	0.37 U	0.36 U	9.8 U	13 U	0.32 U	0.32 U	0.34 U	0.34 U	0.47 U	0.39 U	0.32 U
O-XYLENE	0.32 U	0.31 U	6.3 J	12 J	0.57 J	0.28 U	0.29 U	0.3 U	0.41 U	0.34 U	0.28 U
SEC-BUTYLBENZENE	0.17 U	0.16 U	3.3 U	4.2 U	0.14 U	0.15 U	0.15 U	0.15 U	0.21 U	0.18 U	0.14 U
STYRENE	0.14 U	0.13 U	3.9 U	5 U	0.12 U	0.12 U	0.13 U	0.13 U	0.18 U	0.15 U	0.12 U
TERT-AMYL METHYL ETHER	0.34 UJ	0.33 UJ	0.26 UJ	0.33 UJ	0.3 UJ	0.3 UJ	0.31 UJ	0.31 UJ	0.43 UJ	0.36 UJ	0.3 UJ
TERT-BUTYLBENZENE	0.27 U	0.26 U	4.5 U	5.8 U	0.23 U	0.23 U	0.24 U	0.24 U	0.34 U	0.28 U	0.23 U
TERTIARY-BUTYL ALCOHOL	49 B	6.7 UR	2200 B	2800 B	43 B	6.2 UR	45 B	45 B	8.9 UR	52 B	6.1 UR
TETRACHLOROETHENE	0.48 U	0.46 U	8.4 U	11 U	0.42 U	0.42 U	0.44 U	0.44 U	0.61 U	0.51 U	0.41 U
TOLUENE	0.25 U	0.24 U	13 J	31 J	0.58 J	0.22 U	0.23 U	0.23 U	0.43 J	0.4 J	0.22 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.62 U	0.59 U	18 J	32 J	1 J	0.54 U	0.56 U	0.57 U	0.78 U	0.66 U	0.53 U
TRANS-1,2-DICHLOROETHENE	0.38 U	0.36 U	6.4 U	8.2 U	0.33 U	0.33 U	0.34 U	0.35 U	0.48 U	0.4 U	0.33 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.48 U	14 U	18 U	0.43 U	0.44 U	0.45 U	0.46 U	0.63 U	0.53 U	0.43 U
TRICHLOROETHENE	0.39 U	0.37 U	6.8 U	8.7 U	0.34 U	0.34 U	0.35 U	0.35 U	0.49 U	0.41 U	0.33 U
TRICHLOROFLUOROMETHANE	0.31 U	0.3 U	11 U	14 U	0.27 U	0.28 U	0.29 U	0.29 U	0.4 U	0.33 U	0.27 U
VINYL ACETATE	0.23 U	0.22 U	16 U	21 U	0.2 U	0.2 U	0.21 U	0.21 U	0.29 U	0.24 U	0.2 U
VINYL CHLORIDE	0.36 U	0.35 U	13 U	16 U	0.31 U	0.32 U	0.33 U	0.33 U	0.46 U	0.38 U	0.31 U
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	27 U	26 U	25 U	27 U	25 U	25 U	26 U	25 U	26 U	27 U	25 U
2,2'-OXYBIS(1-CHLOROPROPANE)	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U
2,4,5-TRICHLOROPHENOL	30 U	29 U	29 U	30 U	28 U	29 U	29 U	28 U	30 U	31 U	29 U
2,4,6-TRICHLOROPHENOL	97 U	93 U	91 U	97 U	90 U	91 U	93 U	90 U	96 U	99 U	92 U

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-785	SB-785	SB-786	SB-786	SB-786	SB-787	SB-787	SB-787	SB-788	SB-788	SB-788
SAMPLE ID	D-SB-785-13	D-SB-785-15	D-SB-786-11	D-SB-786-13	D-SB-786-15	D-SB-787-11	D-SB-787-13	D-SB-787-15	D-SB-788-11	D-SB-788-13	D-SB-788-15
SAMPLE DATE	20100908	20100908	20100903	20100903	20100908	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
2,4-DICHLOROPHENOL	24 U	23 U	23 U	24 U	22 U	23 U	23 U	22 U	24 U	25 U	23 U
2,4-DIMETHYLPHENOL	24 U	23 U	23 U	24 U	22 U	23 U	23 U	22 U	24 U	25 U	23 U
2,4-DINITROPHENOL	97 U	93 U	91 U	97 U	90 U	91 U	93 U	90 U	96 U	99 U	92 U
2,4-DINITROTOLUENE	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
2,6-DINITROTOLUENE	26 U	25 U	24 U	25 U	24 U	24 U	25 U	24 U	25 U	26 U	24 U
2-CHLORONAPHTHALENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
2-CHLOROPHENOL	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
2-METHYLPHENOL	97 U	93 U	91 U	97 U	90 U	91 U	93 U	90 U	96 U	99 U	92 U
2-NITROANILINE	11 U	11 U	10 U	11 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U
2-NITROPHENOL	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	22 U	21 U	21 U	22 U	20 U	21 U	21 U	20 U	22 U	22 U	21 U
3-NITROANILINE	19 U	19 U	18 U	19 U	18 U	18 U	19 U	18 U	19 U	20 U	18 U
4,6-DINITRO-2-METHYLPHENOL	97 U	93 U	91 U	97 U	90 U	91 U	93 U	90 U	96 U	99 U	92 U
4-BROMOPHENYL PHENYL ETHER	16 U	15 U	15 U	16 U	15 U	15 U	15 U	15 U	16 U	16 U	15 U
4-CHLORO-3-METHYLPHENOL	26 U	25 U	24 U	25 U	24 U	24 U	25 U	24 U	25 U	26 U	24 U
4-CHLOROANILINE	21 U	20 U	19 U	21 U	19 U	19 U	20 U	19 U	20 U	21 U	20 U
4-CHLOROPHENYL PHENYL ETHER	16 U	15 U	15 U	16 U	15 U	15 U	15 U	15 U	16 U	16 U	15 U
4-METHYLPHENOL	97 U	93 U	91 U	97 U	90 U	91 U	93 U	90 U	96 U	99 U	92 U
4-NITROANILINE	32 U	30 U	30 U	31 U	29 U	30 U	30 U	29 U	31 U	32 U	30 U
4-NITROPHENOL	97 U	93 U	91 U	97 U	90 U	91 U	93 U	90 U	96 U	99 U	92 U
ACETOPHENONE	11 U	11 U	11 U	11 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	11 U	10 U	11 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	15 U	14 U	14 U	14 U	13 U	14 U	14 U	13 U	14 U	15 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	27 U	26 U	25 U	27 U	25 U	25 U	26 U	25 U	26 U	27 U	25 U
BIS(2-CHLOROETHYL)ETHER	2.4 U	2.3 U	2.3 U	2.4 U	2.2 U	2.3 U	2.3 U	2.2 U	2.4 U	2.5 U	2.3 U
BIS(2-ETHYLHEXYL)PHTHALATE	23 U	22 U	22 U	23 U	21 U	22 U	22 U	21 U	23 U	24 U	22 U
BUTYL BENZYL PHTHALATE	12 U	12 U	11 U	12 U	11 U	11 U	12 U	11 U	12 U	12 U	12 U
CAPROLACTAM	45 U	43 U	42 U	45 U	42 U	42 U	43 U	42 U	45 U	46 U	43 U
CARBAZOLE	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
DIBENZOFURAN	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
DIETHYL PHTHALATE	19 U	19 U	18 U	19 U	18 U	18 U	19 U	18 U	19 U	20 U	18 U
DIMETHYL PHTHALATE	21 U	20 U	19 U	21 U	19 U	19 U	20 U	19 U	20 U	21 U	20 U
DI-N-BUTYL PHTHALATE	18 U	18 U	17 U	18 U	17 U	17 U	18 U	17 U	18 U	19 U	17 U
DI-N-OCTYL PHTHALATE	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
HEXACHLOROBENZENE	2.6 U	2.5 U	2.4 U	2.5 U	2.4 U	2.4 U	2.5 U	2.4 U	2.5 U	2.6 U	2.4 U
HEXACHLOROBUTADIENE	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
HEXACHLOROCYCLOPENTADIENE	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
HEXACHLOROETHANE	11 U	11 U	10 U	11 U	10 U	10 U	11 U	10 U	11 U	11 U	10 U
ISOPHORONE	16 U	15 U	15 U	16 U	15 U	15 U	15 U	15 U	16 U	16 U	15 U
NITROBENZENE	2.7 U	2.6 U	2.5 U	2.7 U	2.5 U	2.5 U	2.6 U	2.5 U	2.6 U	2.7 U	2.5 U
N-NITROSODIMETHYLAMINE	19 U	19 U	18 U	19 U	18 U	18 U	19 U	18 U	19 U	20 U	18 U
N-NITROSO-DI-N-PROPYLAMINE	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
N-NITROSODIPHENYLAMINE	26 U	25 U	24 U	25 U	24 U	24 U	25 U	24 U	25 U	26 U	24 U
PENTACHLOROPHENOL	97 U	93 U	91 U	97 U	90 U	91 U	93 U	90 U	96 U	99 U	92 U
PHENOL	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U	32 U	33 U	31 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
ACENAPHTHENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
ACENAPHTHYLENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
ANTHRACENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
BAP EQUIVALENT-HALFND	18	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
BAP EQUIVALENT-POS	16	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
BENZO(A)ANTHRACENE	12	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
BENZO(A)PYRENE	12	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
BENZO(B)FLUORANTHENE	17	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	12	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
BENZO(K)FLUORANTHENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	11	1.3 U	1.3 U	1.3 U	1.2 U	1.3 U	1.3 U	1.2 U	1.3 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
FLUORANTHENE	14	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
FLUORENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U

LOCATION	SB-785	SB-785	SB-786	SB-786	SB-786	SB-787	SB-787	SB-787	SB-788	SB-788	SB-788
SAMPLE ID	D-SB-785-13	D-SB-785-15	D-SB-786-11	D-SB-786-13	D-SB-786-15	D-SB-787-11	D-SB-787-13	D-SB-787-15	D-SB-788-11	D-SB-788-13	D-SB-788-15
SAMPLE DATE	20100908	20100908	20100903	20100903	20100908	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
INDENO(1,2,3-CD)PYRENE	9.1	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
NAPHTHALENE	4 U	3.9 U	3.8 U	11	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
PHENANTHRENE	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
PYRENE	14	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U	4 U	4.1 U	3.8 U
TOTAL PAHS	101.1	0 U	0 U	11	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	0.75 UJ	0.72 UJ	0.71 U	0.75 U	0.7 UJ	0.71 UJ	0.72 UJ	0.7 UJ	0.75 UJ	0.77 UJ	0.72 UJ
4,4'-DDE	0.47 U	0.46 U	0.45 U	0.47 U	0.44 U	0.45 U	0.46 U	0.44 U	0.47 U	0.48 U	0.45 U
4,4'-DDT	0.77 UJ	0.74 UJ	0.72 U	0.76 U	0.71 UJ	0.72 UJ	0.74 UJ	0.71 UJ	0.76 UJ	0.78 UJ	0.73 UJ
ALDRIN	1.5 U	1.4 U	1.4 U	1.4 U	1.3 U	1.4 U	1.4 U	1.3 U	1.4 U	1.5 U	1.4 U
ALPHA-BHC	0.89 U	0.85 U	0.83 UJ	0.88 UJ	0.82 U	0.83 U	0.85 U	0.82 U	0.88 U	0.9 U	0.84 U
ALPHA-CHLORDANE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
AROCLOR-1016	26 U	25 U	24 U	25 U	24 U	24 U	25 U	24 U	25 U	26 U	24 U
AROCLOR-1221	19 U	19 U	18 U	19 U	18 U	18 U	19 U	18 U	19 U	20 U	18 U
AROCLOR-1232	17 U	16 U	16 U	17 U	16 U	16 U	16 U	16 U	17 U	17 U	16 U
AROCLOR-1242	16 U	15 U	15 U	16 U	15 U	15 U	15 U	15 U	16 U	16 U	15 U
AROCLOR-1248	21 U	20 U	19 U	21 U	19 U	19 U	20 U	19 U	20 U	21 U	20 U
AROCLOR-1254	21 U	20 U	19 U	21 U	19 U	19 U	20 U	19 U	20 U	21 U	20 U
AROCLOR-1260	21 U	20 U	19 U	21 U	19 U	19 U	20 U	19 U	20 U	21 U	20 U
BETA-BHC	1.3 U	1.3 U	1.3 UJ	1.3 UJ	1.2 U	1.3 U	1.3 U	1.2 U	1.3 U	1.4 U	1.3 U
DELTA-BHC	1.5 U	1.4 U	1.4 U	1.4 U	1.3 U	1.4 U	1.4 U	1.3 U	1.4 U	1.5 U	1.4 U
DIELDRIN	0.57 U	0.55 U	0.54 U	0.57 U	0.53 U	0.54 U	0.55 U	0.53 U	0.57 U	0.58 U	0.54 U
ENDOSULFAN I	0.63 U	0.61 U	0.59 U	0.63 U	0.58 U	0.59 U	0.61 U	0.58 U	0.63 U	0.64 U	0.6 U
ENDOSULFAN II	1 U	0.96 U	0.94 U	0.99 U	0.92 U	0.94 U	0.96 U	0.92 U	0.99 U	1 U	0.95 U
ENDOSULFAN SULFATE	1.1 U	1 U	0.99 U	1.1 U	0.98 U	0.99 U	1 U	0.98 U	1 U	1.1 U	1 U
ENDRIN	0.61 U	0.58 U	0.57 U	0.6 U	0.56 U	0.57 U	0.58 U	0.56 U	0.6 UJ	0.62 UJ	0.58 UJ
ENDRIN ALDEHYDE	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U
ENDRIN KETONE	0.77 U	0.74 U	0.72 U	0.76 U	0.71 U	0.72 U	0.74 U	0.71 U	0.76 U	0.78 U	0.73 U
GAMMA-BHC (LINDANE)	0.9 U	0.86 U	0.85 UJ	0.89 UJ	0.83 U	0.84 U	0.86 U	0.83 U	0.89 U	0.92 U	0.86 U
GAMMA-CHLORDANE	0.51 U	0.49 U	0.48 U	0.51 U	0.47 U	0.48 U	0.49 U	0.47 U	0.51 U	0.52 U	0.49 U
HEPTACHLOR	1.3 U	1.3 U	1.3 UJ	1.3 UJ	1.2 U	1.3 U	1.3 U	1.2 U	1.3 UJ	1.4 UJ	1.3 UJ
HEPTACHLOR EPOXIDE	0.97 U	0.93 U	0.91 UJ	0.97 UJ	0.9 U	0.91 U	0.93 U	0.9 U	0.96 U	0.99 U	0.92 U
METHOXYCHLOR	1.8 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.8 U	1.7 U	1.8 UJ	1.9 UJ	1.7 UJ
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	23 UJ	22 UJ	22 U	23 U	21 UJ	22 UJ	22 UJ	21 UJ	23 U	24 U	22 U
METALS (MG/KG)											
ANTIMONY	0.12 J	0.28 J	0.027 UL	0.075 J	0.064 J	0.33 J	0.22 J	0.027 UL	0.43 J	0.31 J	0.39 J
ARSENIC	3.1 L	3.8 L	2.5	1.3	0.88 L	5 L	5.4 L	1.7 L	5.6	7.5	5.2
BARIUM	15.1 J	10.9 J	6.8 J	14.4 J	4.4 J	10.8 J	15.7 J	10.7 J	25.2	10.8	23
BERYLLIUM	4.6 J	4.5 J	0.31	0.98	0.3 J	2.8 J	3.7 J	1.7 J	0.057 U	0.058 U	5.5
CADMIUM	0.12 K	0.013 B	0.023 J	0.041 J	0.034 J	0.078 J	0.091 J	0.077 J	0.034 J	0.021 B	0.031 B
CHROMIUM	23.2 J	28.7 J	3.8	18.9	2.1 J	28.9 J	27.8 J	4.7 J	34	30.2	30.9
COBALT	13.7	8.6	1.5	8.5	1.9	7.5	11.7	4.8	12.3	5.1	11.2
COPPER	56.2	14.6	3.1 J	4.9 J	5	10.5	15.4	5	22.5 L	24 L	20.5 L
IRON	34200 J	37900 J	1830 J	13500 J	462 J	33800 J	21700 J	1020 J	49900	42200	43700
LEAD	14	4.8	2.8 J	3.8 J	1.3	12.3	8.2	3.5	9.8	6.4	8.6
MANGANESE	96	54.1	3.1 J	5.6 J	1.6	20.4	15.9	6.9	104	38.8	93.6
MERCURY	0.059 J	0.018 U	0.017 U	0.018 U	0.017 U	0.017 U	0.018 U	0.017 U	0.018 U	0.019 U	0.017 U
MOLYBDENUM	0.6	0.55	0.072 U	0.13 J	0.095 J	0.78	0.31	0.18 J	0.77	0.77	0.7
NICKEL	32.8 J	27.7 J	2.5 J	14 J	3.2 J	16.1 J	25 J	9.1 J	37.6	16.9	34.8
SELENIUM	1.1 J	1.5 L	4.6 L	2 L	0.57 J	1.5 L	1.6 L	1.8 L	1.8 J	0.6 J	1.7 J
SILVER	0.029 J	0.019 UJ	0.018 U	0.019 U	0.047 J	0.018 UJ	0.019 UJ	0.026 J	0.019 U	0.02 U	0.018 U
THALLIUM	0.094 B	0.084 B	0.037 J	0.12 L	0.064 B	0.056 B	0.11 J	0.07 B	0.15 J	0.052 J	0.13 B
VANADIUM	34.4	48.3	4.6	16.5	1.6	66.9	54.8	6	40	64.7	36.7
ZINC	114	42.5	3.4 J	16.9 J	4.7	27.2	45.3	23.5	70.5 J	26.5 J	64.2 J
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	17000	3300 U	3200 U	4300 J	3800 J	3200 UJ	3300 UJ	3100 UJ	3400 U	4600 J	3200 U
GASOLINE RANGE ORGANICS	56 U	54 U	53 U	79 J	52 U	52 U	54 U	52 U	55 U	57 U	53 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	0.33 U	0.8 J	0.31 U	0.55 J	0.3 U	0.31 U	0.32 U	0.32 J	0.32 U	0.79 J	0.31 U
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-785	SB-785	SB-786	SB-786	SB-786	SB-787	SB-787	SB-787	SB-788	SB-788	SB-788
SAMPLE ID	D-SB-785-13	D-SB-785-15	D-SB-786-11	D-SB-786-13	D-SB-786-15	D-SB-787-11	D-SB-787-13	D-SB-787-15	D-SB-788-11	D-SB-788-13	D-SB-788-15
SAMPLE DATE	20100908	20100908	20100903	20100903	20100908	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-789	SB-789	SB-789	SB-790	SB-790	SB-790	SB-791	SB-791	SB-791	SB-792	SB-792
SAMPLE ID	D-SB-789-11	D-SB-789-13	D-SB-789-15	D-SB-790-11	D-SB-790-13	D-SB-790-15	D-SB-791-11	D-SB-791-13	D-SB-791-15	D-SB-792-11	D-SB-792-13
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	0.51 U	0.52 U	0.55 U	0.57 U	0.55 U	0.51 U	0.53 U	0.65 U	0.57 U	0.54 U	0.57 U
1,1,1-TRICHLOROETHANE	0.46 U	0.47 U	0.5 U	0.52 U	0.5 U	0.46 U	0.48 U	0.59 U	0.51 U	0.49 U	0.51 U
1,1,2,2-TETRACHLOROETHANE	0.28 U	0.28 U	0.3 U	0.31 U	0.3 U	0.28 U	0.29 U	0.36 U	0.31 U	0.3 U	0.31 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.4 U	1.2 U	1.1 U	1.2 U
1,1-DICHLOROETHANE	0.3 U	0.3 U	0.32 U	0.33 U	0.32 U	0.3 U	0.31 U	0.38 U	0.33 U	0.31 U	0.33 U
1,1-DICHLOROETHENE	0.43 U	0.43 U	0.47 U	0.48 U	0.46 U	0.43 U	0.45 U	0.54 U	0.48 U	0.45 U	0.48 U
1,1-DICHLOROPROPENE	0.25 U	0.25 U	0.27 U	0.28 U	0.27 U	0.25 U	0.26 U	0.31 U	0.27 U	0.26 U	0.27 U
1,2,3-TRICHLOROBENZENE	0.31 U	0.32 U	0.34 U	0.35 U	0.34 U	0.31 U	0.33 U	0.4 U	0.35 U	0.33 U	0.35 U
1,2,3-TRICHLOROPROPANE	0.74 U	0.75 U	0.8 U	0.83 U	0.8 U	0.75 U	0.77 U	0.94 U	0.82 U	0.78 U	0.82 U
1,2,3-TRIMETHYLBENZENE	0.14 U	0.14 U	0.15 U	0.16 U	0.15 U	0.14 U	0.15 U	0.18 U	0.16 U	0.15 U	0.16 U
1,2,4-TRICHLOROBENZENE	0.22 U	0.22 U	0.24 U	0.25 U	0.24 U	0.22 U	0.23 U	0.28 U	0.25 U	0.23 U	0.25 U
1,2,4-TRIMETHYLBENZENE	0.53 U	0.54 U	0.58 U	0.6 U	0.58 U	0.54 U	0.56 U	0.68 U	0.59 U	0.56 U	0.59 U
1,2-DIBROMO-3-CHLOROPROPANE	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.4 U	1.2 U	1.1 U	1.2 U
1,2-DIBROMOETHANE	0.41 U	0.42 U	0.45 U	0.46 U	0.44 U	0.41 U	0.43 U	0.52 U	0.46 U	0.43 U	0.46 U
1,2-DICHLOROBENZENE	0.3 U	0.3 U	0.32 U	0.33 U	0.32 U	0.3 U	0.31 U	0.38 U	0.33 U	0.31 U	0.33 U
1,2-DICHLOROETHANE	0.28 U	0.28 U	0.3 U	0.31 U	0.3 U	0.28 U	0.29 U	0.36 U	0.31 U	0.3 U	0.31 U
1,2-DICHLOROPROPANE	0.57 U	0.57 U	0.62 U	0.64 U	0.61 U	0.57 U	0.59 U	0.72 U	0.63 U	0.6 U	0.63 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.29 U	0.29 U	0.31 U	0.32 U	0.31 U	0.29 U	0.3 U	0.37 U	0.32 U	0.3 U	0.32 U
1,3-DICHLOROPROPANE	0.28 U	0.28 U	0.3 U	0.31 U	0.3 U	0.28 U	0.29 U	0.36 U	0.31 U	0.3 U	0.31 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.54 U	0.55 U	0.59 U	0.61 U	0.59 U	0.55 U	0.57 U	0.69 U	0.6 U	0.57 U	0.6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.77 U	0.78 U	0.84 U	0.87 U	0.84 U	0.78 U	0.8 U	0.98 U	0.86 U	0.82 U	0.86 U
2-BUTANONE	1.1 U	1.2 U	1.7 J	1.3 U	1.2 U	1.2 U	1.2 U	4 J	1.3 U	1.2 U	1.3 U
2-CHLOROETHYL VINYL ETHER	1.1 U	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.2 U	1.5 U	1.3 U	1.2 U	1.3 U
2-CHLOROTOLUENE	0.33 U	0.33 U	0.36 U	0.37 U	0.36 U	0.33 U	0.34 U	0.42 U	0.37 U	0.35 U	0.37 U
2-HEXANONE	0.52 U	0.52 U	0.56 U	0.58 U	0.56 U	0.52 U	0.54 U	0.66 U	0.58 U	0.55 U	0.58 U
4-CHLOROTOLUENE	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.34 U	0.35 U	0.43 U	0.37 U	0.36 U	0.37 U
4-ISOPROPYLTOLUENE	0.17 U	0.17 U	0.19 U	0.19 U	0.19 U	0.17 U	0.18 U	0.22 U	0.19 U	0.18 U	0.19 U
4-METHYL-2-PENTANONE	0.44 U	0.45 U	0.48 U	0.5 U	0.48 U	0.45 U	0.46 U	0.56 U	0.49 U	0.47 U	0.49 U
ACETONE	30 B	5.2 U	100	150 U	110	19 B	5.4 U	60 B	11 B	130 B	38 B
BENZENE	0.19 U	0.19 U	0.21 U	0.21 U	0.2 U	0.19 U	0.2 U	0.24 U	0.21 U	0.2 U	0.21 U
BROMOBENZENE	0.27 U	0.27 U	0.3 U	0.3 U	0.29 U	0.27 U	0.28 U	0.35 U	0.3 U	0.29 U	0.3 U
BROMOCHLOROMETHANE	0.58 U	0.59 U	0.64 U	0.66 U	0.63 U	0.59 U	0.61 U	0.74 U	0.65 U	0.62 U	0.65 U
BROMODICHLOROMETHANE	0.23 U	0.23 U	0.25 U	0.26 U	0.25 U	0.23 U	0.24 U	0.29 U	0.26 U	0.24 U	0.26 U
BROMOFORM	0.27 U	0.27 U	0.3 U	0.3 U	0.29 U	0.27 U	0.28 U	0.35 U	0.3 U	0.29 U	0.3 U
BROMOMETHANE	0.44 U	0.45 U	0.48 U	0.5 U	0.48 U	0.45 U	0.46 U	0.56 U	0.49 U	0.47 U	0.49 U
CARBON DISULFIDE	0.36 U	0.37 U	0.39 U	0.41 U	0.39 U	0.36 U	0.38 U	4.3 B	0.4 U	0.38 U	0.4 U
CARBON TETRACHLORIDE	0.3 U	0.31 U	0.33 U	0.34 U	0.33 U	0.31 U	0.32 U	0.39 U	0.34 U	0.32 U	0.34 U
CHLOROBENZENE	0.27 U	0.27 U	0.3 U	0.3 U	0.29 U	0.27 U	0.28 U	0.35 U	0.3 U	0.29 U	0.3 U
CHLORODIBROMOMETHANE	0.45 U	0.46 U	0.49 U	0.51 U	0.49 U	0.46 U	0.47 U	0.58 U	0.5 U	0.48 U	0.5 U
CHLOROETHANE	0.71 U	0.72 U	0.77 U	0.79 U	0.76 U	0.71 U	0.74 U	0.9 U	0.79 U	0.75 U	0.79 U
CHLOROFORM	0.24 U	0.24 U	0.26 U	0.27 U	0.26 U	0.24 U	0.25 U	0.3 U	0.27 U	0.25 U	0.27 U
CHLOROMETHANE	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.34 U	0.35 U	0.43 U	0.37 U	0.36 U	0.37 U
CIS-1,2-DICHLOROETHENE	0.3 U	0.3 U	0.32 U	0.33 U	0.32 U	0.3 U	0.31 U	0.38 U	0.33 U	0.31 U	0.33 U
CIS-1,3-DICHLOROPROPENE	0.28 U	0.28 U	0.3 U	0.31 U	0.3 U	0.28 U	0.29 U	0.36 U	0.31 U	0.3 U	0.31 U
DIBROMOMETHANE	0.52 U	0.52 U	0.56 U	0.58 U	0.56 U	0.52 U	0.54 U	0.66 U	0.58 U	0.55 U	0.58 U
DICHLORODIFLUOROMETHANE	0.41 U	0.42 U	0.45 U	0.46 U	0.44 U	0.41 U	0.43 U	0.52 U	0.46 U	0.43 U	0.46 U
DIISOPROPYL ETHER	1.2 U	1.2 U	1.3 U	1.4 U	1.3 U	1.2 U	1.3 U	1.6 U	1.4 U	1.3 U	1.4 U
ETHYL TERT-BUTYL ETHER	0.18 U	0.18 U	0.2 U	0.2 U	0.2 U	0.18 U	0.19 U	0.23 U	0.2 U	0.19 U	0.2 U
ETHYLBENZENE	0.21 U	0.22 U	0.23 U	0.24 U	0.23 U	0.22 U	0.22 U	0.27 U	0.24 U	0.23 U	0.24 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	0.98 U	1 U	1.1 U	1.1 U	1.1 U	0.99 U	1 U	1.3 U	1.1 U	1 U	1.1 U
ISOPROPYLBENZENE	0.13 U	0.13 U	0.14 U	0.15 U	0.14 U	0.13 U	0.14 U	0.17 U	0.15 U	0.14 U	0.15 U
M+P-XYLENES	0.98 U	1 U	1.1 U	1.1 U	1.1 U	0.99 U	1 U	1.3 U	1.1 U	1 U	1.1 U
METHYL TERT-BUTYL ETHER	0.35 U	0.36 U	0.38 U	0.4 U	0.38 U	0.36 U	0.37 UJ	0.45 UJ	0.39 UJ	0.37 UJ	0.39 UJ
METHYLENE CHLORIDE	0.55 U	0.56 U	0.6 U	0.62 U	0.6 U	0.55 U	0.81 B	0.82 B	0.9 B	1.1 B	0.77 B
NAPHTHALENE	0.16 U	0.16 U	0.17 U	0.18 U	0.17 U	0.16 U	0.79 B	1 B	0.83 B	0.8 B	0.79 B
N-BUTYLBENZENE	0.19 U	0.19 U	0.21 U	0.21 U	0.2 U	0.19 U	0.2 U	0.24 U	0.21 U	0.2 U	0.21 U
N-PROPYLBENZENE	0.33 U	0.33 U	0.36 U	0.37 U	0.36 U	0.33 U	0.34 U	0.42 U	0.37 U	0.35 U	0.37 U
O-XYLENE	0.29 U	0.29 U	0.31 U	0.32 U	0.31 U	0.29 U	0.3 U	0.37 U	0.32 U	0.3 U	0.32 U
SEC-BUTYLBENZENE	0.15 U	0.15 U	0.16 U	0.17 U	0.16 U	0.15 U	0.15 U	0.19 U	0.16 U	0.16 U	0.16 U
STYRENE	0.12 U	0.12 U	0.13 U	0.14 U	0.13 U	0.12 U	0.13 U	0.16 J	0.14 U	0.13 U	0.14 U
TERT-AMYL METHYL ETHER	0.3 U	0.31 U	0.33 U	0.34 U	0.33 U	0.31 U	0.32 U	0.39 U	0.34 U	0.32 U	0.34 U
TERT-BUTYLBENZENE	0.24 U	0.24 U	0.26 U	0.27 U	0.26 U	0.24 U	0.25 U	0.3 U	0.27 U	0.25 U	0.27 U
TERTIARY-BUTYL ALCOHOL	6.2 UR	6.3 UR	6.8 UR	7 UR	6.8 UR	6.3 UR	45 B	58 B	48 B	6.6 UR	48 B
TETRACHLOROETHENE	0.43 U	0.43 U	0.47 U	0.48 U	0.46 U	0.43 U	0.45 U	0.54 U	0.48 U	0.45 U	0.48 U
TOLUENE	0.22 U	0.22 U	0.24 U	0.25 U	0.24 U	0.22 U	0.23 U	0.28 U	0.25 U	0.23 U	0.25 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.55 U	0.56 U	0.6 U	0.62 U	0.6 U	0.55 U	0.57 U	0.7 U	0.61 U	0.58 U	0.61 U
TRANS-1,2-DICHLOROETHENE	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.34 U	0.35 U	0.43 U	0.37 U	0.36 U	0.37 U
TRANS-1,3-DICHLOROPROPENE	0.44 U	0.45 U	0.48 U	0.5 U	0.48 U	0.45 U	0.46 U	0.56 U	0.49 U	0.47 U	0.49 U
TRICHLOROETHENE	0.34 U	0.35 U	0.38 U	0.39 U	0.37 U	0.35 U	0.36 U	0.44 U	0.38 U	0.36 U	0.38 U
TRICHLOROFLUOROMETHANE	0.28 U	0.28 U	0.3 U	0.31 U	0.3 U	0.28 U	0.29 U	0.36 U	0.31 U	0.3 U	0.31 U
VINYL ACETATE	0.21 U	0.21 U	0.22 U	0.23 U	0.22 U	0.21 U	0.21 U	0.26 U	0.23 U	0.22 U	0.23 U
VINYL CHLORIDE	0.32 U	0.32 U	0.35 U	0.36 U	0.35 U	0.32 U	0.33 U	0.41 U	0.36 U	0.34 U	0.36 U
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	26 U	27 U	26 U	27 U	26 U	26 U	25 U	26 U	27 U	25 U	28 U
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U
2,4,5-TRICHLOROPHENOL	29 U	30 U	29 U	31 U	30 U	29 U	29 U	30 U	31 U	29 U	31 U
2,4,6-TRICHLOROPHENOL	94 U	96 U	93 U	98 U	96 U	93 U	93 U	95 U	99 U	93 U	100 U

LOCATION	SB-789	SB-789	SB-789	SB-790	SB-790	SB-790	SB-791	SB-791	SB-791	SB-792	SB-792
SAMPLE ID	D-SB-789-11	D-SB-789-13	D-SB-789-15	D-SB-790-11	D-SB-790-13	D-SB-790-15	D-SB-791-11	D-SB-791-13	D-SB-791-15	D-SB-792-11	D-SB-792-13
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13
2,4-DICHLOROPHENOL	23 U	24 U	23 U	25 U	24 U	23 U	23 U	24 U	25 U	23 U	25 U
2,4-DIMETHYLPHENOL	23 U	24 U	23 U	25 U	24 U	23 U	23 U	24 U	25 U	23 U	25 U
2,4-DINITROPHENOL	94 U	96 U	93 U	98 U	96 U	93 U	93 U	95 U	99 U	93 U	100 U
2,4-DINITROTOLUENE	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
2,6-DINITROTOLUENE	25 U	25 U	24 U	26 U	25 U	24 U	24 U	25 U	26 U	24 U	26 U
2-CHLORONAPHTHALENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
2-CHLOROPHENOL	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
2-METHYLPHENOL	94 U	96 U	93 U	98 U	96 U	93 U	93 U	95 U	99 U	93 U	100 U
2-NITROANILINE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
2-NITROPHENOL	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	21 U	22 U	21 U	22 U	22 U	21 U	21 U	21 U	22 U	21 U	23 U
3-NITROANILINE	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	19 U	20 U
4,6-DINITRO-2-METHYLPHENOL	94 U	96 U	93 U	98 U	96 U	93 U	93 U	95 U	99 U	93 U	100 U
4-BROMOPHENYL PHENYL ETHER	15 U	16 U	15 U	16 U	16 U	15 U	15 U	15 U	16 U	15 U	16 U
4-CHLORO-3-METHYLPHENOL	25 U	25 U	24 U	26 U	25 U	24 U	24 U	25 U	26 U	24 U	26 U
4-CHLOROANILINE	20 U	20 U	20 U	21 U	20 U	20 U	20 U	20 U	21 U	20 U	21 U
4-CHLOROPHENYL PHENYL ETHER	15 U	16 U	15 U	16 U	16 U	15 U	15 U	15 U	16 U	15 U	16 U
4-METHYLPHENOL	94 U	96 U	93 U	98 U	96 U	93 U	93 U	95 U	99 U	93 U	100 U
4-NITROANILINE	30 U	31 U	30 U	32 U	31 U	30 U	30 U	31 U	32 U	30 U	33 U
4-NITROPHENOL	94 U	96 U	93 U	98 U	96 U	93 U	93 U	95 U	99 U	93 U	100 U
ACETOPHENONE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	14 U	14 U	14 U	15 U	14 U	14 U	14 U	14 U	15 U	14 U	15 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	26 U	27 U	26 U	27 U	26 U	26 U	25 U	26 U	27 U	25 U	28 U
BIS(2-CHLOROETHYL)ETHER	2.3 U	2.4 U	2.3 U	2.5 U	2.4 U	2.3 U	2.3 U	2.4 U	2.5 U	2.3 U	2.5 U
BIS(2-ETHYLHEXYL)PHTHALATE	22 U	23 U	22 U	23 U	140	22 U	22 U	23 J	23 U	22 U	110
BUTYL BENZYL PHTHALATE	12 U	29 J	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	13 U
CAPROLACTAM	43 U	45 U	43 U	46 U	44 U	43 U	43 U	44 U	46 U	43 U	46 U
CARBAZOLE	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
DIBENZOFURAN	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
DIETHYL PHTHALATE	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	19 U	20 U
DIMETHYL PHTHALATE	20 U	20 U	20 U	21 U	20 U	20 U	20 U	20 U	21 U	20 U	21 U
DI-N-BUTYL PHTHALATE	18 U	18 U	17 U	18 U	18 U	17 U	17 U	18 U	19 U	17 U	19 U
DI-N-OCTYL PHTHALATE	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
HEXACHLOROBENZENE	2.5 U	2.5 U	2.4 U	2.6 U	2.5 U	2.4 U	2.4 U	2.5 U	2.6 U	2.4 U	2.6 U
HEXACHLOROBUTADIENE	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
HEXACHLOROCYCLOPENTADIENE	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
HEXACHLOROETHANE	11 U	11 U	10 U	11 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
ISOPHORONE	15 U	16 U	15 U	16 U	16 U	15 U	15 U	15 U	16 U	15 U	16 U
NITROBENZENE	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.5 U	2.6 U	2.7 U	2.5 U	2.8 U
N-NITROSODIMETHYLAMINE	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	19 U	20 U
N-NITROSO-DI-N-PROPYLAMINE	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
N-NITROSODIPHENYLAMINE	25 U	25 U	24 U	26 U	25 U	24 U	24 U	25 U	26 U	24 U	26 U
PENTACHLOROPHENOL	94 U	96 U	93 U	98 U	96 U	93 U	93 U	95 U	99 U	93 U	100 U
PHENOL	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U	33 U	31 U	34 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
ACENAPHTHENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
ACENAPHTHYLENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
ANTHRACENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
BAP EQUIVALENT-HALFND	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
BAP EQUIVALENT-POS	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
BENZO(A)ANTHRACENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
BENZO(A)PYRENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
BENZO(B)FLUORANTHENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
BENZO(K)FLUORANTHENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U	1.4 U
DIBENZO(A,H)ANTHRACENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
FLUORANTHENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
FLUORENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U

LOCATION	SB-789	SB-789	SB-789	SB-790	SB-790	SB-790	SB-791	SB-791	SB-791	SB-792	SB-792
SAMPLE ID	D-SB-789-11	D-SB-789-13	D-SB-789-15	D-SB-790-11	D-SB-790-13	D-SB-790-15	D-SB-791-11	D-SB-791-13	D-SB-791-15	D-SB-792-11	D-SB-792-13
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13
INDENO(1,2,3-CD)PYRENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
NAPHTHALENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
PHENANTHRENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
PYRENE	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U	4.1 U	3.8 U	4.1 U
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	0.73 UJ	0.75 UJ	0.72 UJ	0.76 U	0.74 U	0.72 UJ	0.72 U	0.74 U	0.77 U	0.72 U	0.78 U
4,4'-DDE	0.46 U	0.47 U	0.45 U	0.48 U	0.47 U	0.45 U	0.45 U	0.46 U	0.48 U	0.45 U	0.49 U
4,4'-DDT	0.74 U	0.76 U	0.73 UJ	0.78 U	0.76 U	0.73 U	0.73 U	0.75 U	0.78 U	0.73 U	0.79 U
ALDRIN	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.5 U
ALPHA-BHC	0.86 U	0.88 U	0.85 U	0.9 U	0.88 U	0.85 U	0.84 U	0.87 U	0.9 U	0.84 U	0.91 U
ALPHA-CHLORDANE	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U
AROCLOR-1016	25 U	25 U	24 U	26 U	25 U	24 U	24 U	25 U	26 U	24 U	26 U
AROCLOR-1221	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	19 U	20 U
AROCLOR-1232	16 U	17 U	16 U	17 U	17 U	16 U	16 U	17 U	17 U	16 U	18 U
AROCLOR-1242	15 U	16 U	15 U	16 U	16 U	15 U	15 U	15 U	16 U	15 U	16 U
AROCLOR-1248	20 U	20 U	20 U	21 U	20 U	20 U	20 U	20 U	21 U	20 U	21 U
AROCLOR-1254	20 U	20 U	20 U	21 U	20 U	20 U	20 U	20 U	21 U	20 U	21 U
AROCLOR-1260	20 U	20 U	20 U	21 U	20 U	20 U	20 U	20 U	21 U	20 U	21 U
BETA-BHC	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U	1.4 U
DELTA-BHC	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.5 U
DIELDRIN	0.55 U	0.57 U	0.55 U	0.58 U	0.56 U	0.55 U	0.54 U	0.56 U	0.58 U	0.54 U	0.59 U
ENDOSULFAN I	0.61 U	0.63 U	0.6 U	0.64 U	0.62 U	0.61 U	0.6 U	0.62 U	0.64 U	0.6 U	0.65 U
ENDOSULFAN II	0.96 U	0.99 U	0.95 U	1 U	0.98 U	0.96 U	0.95 U	0.97 U	1 U	0.95 U	1 U
ENDOSULFAN SULFATE	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U
ENDRIN	0.59 UJ	0.6 UJ	0.58 UJ	0.62 U	0.6 U	0.58 UJ	0.58 U	0.59 U	0.62 U	0.58 U	0.63 U
ENDRIN ALDEHYDE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.3 U
ENDRIN KETONE	0.74 U	0.76 U	0.73 U	0.78 U	0.76 U	0.73 U	0.73 U	0.75 U	0.78 U	0.73 U	0.79 U
GAMMA-BHC (LINDANE)	0.87 U	0.89 U	0.86 U	0.91 UJ	0.89 UJ	0.86 U	0.86 U	0.88 U	0.91 U	0.86 U	0.93 U
GAMMA-CHLORDANE	0.49 U	0.51 U	0.49 U	0.52 U	0.5 U	0.49 U	0.49 U	0.5 U	0.52 U	0.49 U	0.53 U
HEPTACHLOR	1.3 UJ	1.3 UJ	1.3 UJ	1.4 U	1.3 U	1.3 UJ	1.3 UJ	1.3 UJ	1.4 UJ	1.3 UJ	1.4 UJ
HEPTACHLOR EPOXIDE	0.94 U	0.96 U	0.93 U	0.98 U	0.96 U	0.93 U	0.93 U	0.95 U	0.99 U	0.93 U	1 U
METHOXYCHLOR	1.8 UJ	1.8 UJ	1.7 UJ	1.8 U	1.8 U	1.7 UJ	1.7 UJ	1.8 UJ	1.9 UJ	1.7 UJ	1.9 UJ
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	22 U	23 U	22 U	23 U	23 U	22 U	22 U	23 U	23 U	22 U	24 U
METALS (MG/KG)											
ANTIMONY	0.14 J	0.47 J	0.32 J	0.051 J	0.41 J	0.22 J	0.11 B	0.18 B	0.68 J	0.14 B	0.83 J
ARSENIC	2.8	6.8	4.5	2.1	5	3.3	3.9 L	2.8 L	8.2 L	3.3 L	5 J
BARIUM	11.3	23.6	16.7	16.1	14	20.9	7.3	7.2	14.3	11.5	10.3
BERYLLIUM	1.8	10.5	7.2	1.6	4.2	4.2	1 J	1.3 J	3.5 J	2.1 J	6.4 J
CADMIUM	0.013 B	0.041 J	0.034 J	0.0096 UL	0.025 B	0.027 B	0.015 B	0.017 B	0.025 B	0.019 B	0.027 B
CHROMIUM	13.7	33.3	27.8	9.4	22.1	22.7	15.9	20.6	56.1	26.3	54.8
COBALT	5.7	21.3	18.1	2.6	8.8	7.4	3.7	5.9	13.5	8.7	13.6
COPPER	14.5 L	48.6 L	23.5 L	12.8 L	20.1 L	18.5 L	6.1	12.5	30.2	17.8	47.9
IRON	18400	85000	43700	6230	36600	28600	17100	26600	87200	34100	134000
LEAD	4.5	10.3	5.9	3.6	7.4	4.2	5.6	4.9	18.4	6.7	15.9
MANGANESE	49	341	106	5.2	107	47.2	7.4 J	11.7 J	23.8 J	20.8 J	31.1 J
MERCURY	0.018 U	0.018 U	0.017 U	0.018 U	0.018 U	0.017 U	0.017 U	0.018 U	0.019 U	0.017 U	0.019 U
MOLYBDENUM	0.22 J	1	0.67	0.11 J	0.6	0.46	0.28	0.61	1.5	0.54	1.5
NICKEL	15.7	54.1	41.7	5.4	27.6	24.6	9.3	17.7	27.9	16.1	37.5
SELENIUM	1.8 J	1.6 J	1.5 J	1.4 J	3.3 J	2.3 J	4.9 L	1.4 L	1.3 L	1 L	0.97 L
SILVER	0.019 U	0.029 B	0.024 B	0.02 U	0.019 U	0.019 U	0.019 U	0.019 U	0.02 U	0.021 B	0.02 B
THALLIUM	0.057 B	0.11 B	0.086 B	0.088 B	0.094 B	0.089 B	0.06 J	0.051 J	0.1 J	0.06 J	0.068 J
VANADIUM	24.8	66.2	56.5	17.1	35.1	38.5	23.5	44.3	102	55.7	111
ZINC	24.8 J	96.2 J	66.4 J	8.9 J	36.9 J	34 J	11.1	17.8	37.2	24.1	45.2
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	3700 J	3400 U	3300 U	3400 J	3400 U	3300 U	3200 U	3300 U	3500 U	4500 J	4800 J
GASOLINE RANGE ORGANICS	54 U	55 U	53 U	57 U	55 U	54 U	53 U	55 U	57 U	53 U	58 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	0.32 U	0.36 J	0.31 U	0.49 J	0.32 U	0.31 J	0.32 J	0.32 U	0.33 U	0.31 U	0.34 U
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-789	SB-789	SB-789	SB-790	SB-790	SB-790	SB-791	SB-791	SB-791	SB-792	SB-792
SAMPLE ID	D-SB-789-11	D-SB-789-13	D-SB-789-15	D-SB-790-11	D-SB-790-13	D-SB-790-15	D-SB-791-11	D-SB-791-13	D-SB-791-15	D-SB-792-11	D-SB-792-13
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-792	SB-793	SB-793	SB-793	SB-794	SB-794	SB-794	SB-795	SB-795	SB-795	SB-795	SB-796
SAMPLE ID	D-SB-792-15	D-SB-793-11	D-SB-793-13	D-SB-793-15	D-SB-794-11	D-SB-794-13	D-SB-794-15	D-SB-795-11	D-SB-795-13	D-SB-795-15	D-SB-795-15	D-SB-796-11
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	15	11
VOLATILES (UG/KG)												
1,1,1,2-TETRACHLOROETHANE	0.58 U	0.58 U	0.56 U	0.56 U	0.54 U	0.54 U	0.55 U	0.63 U	0.62 U	0.64 U	0.5 U	
1,1,1-TRICHLOROETHANE	0.53 U	0.52 U	0.51 U	0.5 U	0.49 U	0.49 U	0.49 U	0.57 U	0.56 U	0.58 U	0.45 U	
1,1,2,2-TETRACHLOROETHANE	0.32 U	0.32 U	0.31 U	0.3 U	0.3 U	0.3 U	0.3 U	0.35 U	0.34 U	0.35 U	0.27 U	
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.3 U	1.3 U	1.3 U	1 U	
1,1-DICHLOROETHANE	0.34 U	0.33 U	0.33 U	0.32 U	0.31 U	0.31 U	0.32 U	0.37 U	0.36 U	0.37 U	0.29 U	
1,1-DICHLOROETHENE	0.49 U	0.48 U	0.47 U	0.47 U	0.45 U	0.45 U	0.46 U	0.53 U	0.52 U	0.54 U	0.42 U	
1,1-DICHLOROPROPENE	0.28 U	0.28 U	0.27 U	0.27 U	0.26 U	0.26 U	0.26 U	0.3 U	0.3 U	0.31 U	0.24 U	
1,2,3-TRICHLOROBENZENE	0.36 U	0.35 U	0.34 U	0.34 U	0.33 U	0.33 U	0.33 U	0.39 U	0.38 U	0.39 U	0.31 U	
1,2,3-TRICHLOROPROPANE	0.84 U	0.83 U	0.81 U	0.81 U	0.78 U	0.79 U	0.79 U	0.91 U	0.9 U	0.93 U	0.73 U	
1,2,3-TRIMETHYLBENZENE	0.16 U	0.16 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.17 U	0.17 U	0.18 U	0.14 U	
1,2,4-TRICHLOROBENZENE	0.25 U	0.25 U	0.24 U	0.24 U	0.23 U	0.24 U	0.24 U	0.27 U	0.27 U	0.28 U	0.22 U	
1,2,4-TRIMETHYLBENZENE	0.61 U	0.6 U	0.59 U	0.58 U	0.57 U	0.57 U	0.57 U	0.66 U	0.65 U	0.67 U	0.52 U	
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.3 U	1.3 U	1.3 U	1 U	
1,2-DIBROMOETHANE	0.47 U	0.46 U	0.45 U	0.45 U	0.43 U	0.44 U	0.44 U	0.51 U	0.5 U	0.52 U	0.4 U	
1,2-DICHLOROBENZENE	0.34 U	0.33 U	0.33 U	0.32 U	0.31 U	0.31 U	0.32 U	0.37 U	0.36 U	0.37 U	0.29 U	
1,2-DICHLOROETHANE	0.32 U	0.32 U	0.31 U	0.3 U	0.3 U	0.3 U	0.3 U	0.35 U	0.34 U	0.35 U	0.27 U	
1,2-DICHLOROPROPANE	0.65 U	0.64 U	0.62 U	0.62 U	0.6 U	0.6 U	0.61 U	0.7 U	0.69 U	0.71 U	0.56 U	
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,3-DICHLOROBENZENE	0.33 U	0.32 U	0.32 U	0.31 U	0.3 U	0.31 U	0.31 U	0.36 U	0.35 U	0.36 U	0.28 U	
1,3-DICHLOROPROPANE	0.32 U	0.32 U	0.31 U	0.3 U	0.3 U	0.3 U	0.3 U	0.35 U	0.34 U	0.35 U	0.27 U	
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,4-DICHLOROBENZENE	0.62 U	0.61 U	0.6 U	0.59 U	0.57 U	0.58 U	0.58 U	0.67 U	0.66 U	0.68 U	0.53 U	
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2,2-DICHLOROPROPANE	0.88 U	0.87 U	0.85 U	0.84 U	0.82 U	0.82 U	0.83 U	0.95 U	0.94 U	0.97 U	0.76 U	
2-BUTANONE	2 J	1.3 U	1.3 U	1.3 U	1.2 U	1.2 U	1.2 U	1.4 U	1.4 U	1.4 U	1.1 U	
2-CHLOROETHYL VINYL ETHER	1.3 U	1.3 U	1.3 U	1.3 U	1.2 U	1.2 U	1.2 U	1.4 U	1.4 U	1.4 U	1.1 U	
2-CHLOROTOLUENE	0.38 U	0.37 U	0.36 U	0.36 U	0.35 U	0.35 U	0.35 U	0.41 U	0.4 U	0.41 U	0.32 U	
2-HEXANONE	0.59 U	0.58 U	0.57 U	0.56 U	0.55 U	0.55 U	0.56 U	0.64 U	0.63 U	0.65 U	0.51 U	
4-CHLOROTOLUENE	0.38 U	0.38 U	0.37 U	0.37 U	0.36 U	0.36 U	0.36 U	0.42 U	0.41 U	0.42 U	0.33 U	
4-ISOPROPYLTOLUENE	0.2 U	0.19 U	0.19 U	0.19 U	0.18 U	0.18 U	0.19 U	0.21 U	0.21 U	0.22 U	0.17 U	
4-METHYL-2-PENTANONE	0.51 U	0.5 U	0.49 U	0.48 U	0.47 U	0.47 U	0.48 U	0.55 U	0.54 U	0.56 U	0.44 U	
ACETONE	170 B	5.8 U	5.7 U	5.6 U	5.5 U	5.5 U	8.1 B	16 B	6.3 U	6.5 U	5.1 U	
BENZENE	0.22 U	0.21 U	0.21 U	0.21 U	0.2 U	0.2 U	0.2 U	0.23 U	0.23 U	0.24 U	0.19 U	
BROMOBENZENE	0.31 U	0.31 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	0.34 U	0.33 U	0.34 U	0.27 U	
BROMOCHLOROMETHANE	0.67 U	0.66 U	0.64 U	0.64 U	0.62 U	0.62 U	0.63 U	0.72 U	0.71 U	0.73 U	0.57 U	
BROMODICHLOROMETHANE	0.26 U	0.26 U	0.25 U	0.25 U	0.24 U	0.24 U	0.25 U	0.28 U	0.28 U	0.29 U	0.23 U	
BROMOFORM	0.31 U	0.31 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	0.34 U	0.33 U	0.34 U	0.27 U	
BROMOMETHANE	0.51 U	0.5 U	0.49 U	0.48 U	0.47 U	0.47 U	0.48 U	0.55 U	0.54 U	0.56 U	0.44 U	
CARBON DISULFIDE	0.41 U	0.41 U	0.4 U	0.39 U	0.38 U	0.38 U	0.39 U	0.45 U	0.91 B	1 B	0.36 U	
CARBON TETRACHLORIDE	0.35 U	0.34 U	0.33 U	0.33 U	0.32 U	0.32 U	0.33 U	0.38 U	0.37 U	0.38 U	0.3 U	
CHLOROBENZENE	0.31 U	0.31 U	0.3 U	0.3 U	0.29 U	0.29 U	0.29 U	0.34 U	0.33 U	0.34 U	0.27 U	
CHLORODIBROMOMETHANE	0.52 U	0.51 U	0.5 U	0.49 U	0.48 U	0.48 U	0.48 U	0.56 U	0.55 U	0.57 U	0.44 U	
CHLOROETHANE	0.81 U	0.8 U	0.78 U	0.77 U	0.75 U	0.75 U	0.76 U	0.87 U	0.86 U	0.89 U	0.69 U	
CHLOROFORM	0.27 U	0.27 U	0.26 U	0.26 U	0.25 U	0.25 U	0.26 U	0.29 U	0.29 U	0.3 U	0.23 U	
CHLOROMETHANE	0.38 U	0.38 U	0.37 U	0.37 U	0.36 U	0.36 U	0.36 U	0.42 U	0.41 U	0.42 U	0.33 U	
CIS-1,2-DICHLOROETHENE	0.34 U	0.33 U	0.33 U	0.32 U	0.31 U	0.31 U	0.32 U	0.37 U	0.36 U	0.37 U	0.29 U	
CIS-1,3-DICHLOROPROPENE	0.32 U	0.32 U	0.31 U	0.3 U	0.3 U	0.3 U	0.3 U	0.35 U	0.34 U	0.35 U	0.27 U	
DIBROMOMETHANE	0.59 U	0.58 U	0.57 U	0.56 U	0.55 U	0.55 U	0.56 U	0.64 U	0.63 U	0.65 U	0.51 U	
DICHLORODIFLUOROMETHANE	0.47 U	0.46 U	0.45 U	0.45 U	0.43 U	0.44 U	0.44 U	0.51 U	0.5 U	0.52 U	0.4 U	
DIISOPROPYL ETHER	1.4 U	1.4 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.5 U	1.5 U	1.5 U	1.2 U	
ETHYL TERT-BUTYL ETHER	0.21 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.22 U	0.22 U	0.23 U	0.18 U	
ETHYLBENZENE	0.24 U	0.24 U	0.24 U	0.23 U	0.23 U	0.23 U	0.23 U	0.26 U	0.26 U	0.27 U	0.21 U	
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
HEXACHLOROBUTADIENE	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.2 U	1.2 U	1.2 U	0.97 U	
ISOPROPYLBENZENE	0.15 U	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.16 U	0.16 U	0.16 U	0.13 U	
M+P-XYLENES	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.2 U	1.2 U	1.2 U	0.97 U	
METHYL TERT-BUTYL ETHER	0.4 UJ	0.4 UJ	0.39 UJ	0.38 UJ	0.37 U	0.38 UJ	0.38 UJ	0.44 UJ	0.43 UJ	0.44 UJ	0.35 UJ	
METHYLENE CHLORIDE	1.9 B	0.62 U	0.61 U	0.6 U	0.58 U	0.59 U	0.59 U	1.2 B	1.1 B	0.69 U	0.78 B	
NAPHTHALENE	0.87 B	0.18 U	0.17 U	0.17 U	0.17 U	0.75 B	0.77 B	0.88 B	0.86 B	0.92 B	0.69 B	
N-BUTYLBENZENE	0.22 U	0.21 U	0.21 U	0.21 U	0.2 U	0.2 U	0.2 U	0.23 U	0.23 U	0.24 U	0.19 U	
N-PROPYLBENZENE	0.38 U	0.37 U	0.36 U	0.36 U	0.35 U	0.35 U	0.35 U	0.41 U	0.4 U	0.41 U	0.32 U	
O-XYLENE	0.33 U	0.32 U	0.32 U	0.31 U	0.3 U	0.31 U	0.31 U	0.36 U	0.35 U	0.36 U	0.28 U	
SEC-BUTYLBENZENE	0.17 U	0.17 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.18 U	0.18 U	0.19 U	0.15 U	
STYRENE	0.14 U	0.14 U	0.14 U	0.13 U	0.13 U	0.13 U	0.13 U	0.15 U	0.15 U	0.15 U	0.12 U	
TERT-AMYL METHYL ETHER	0.35 UJ	0.34 UJ	0.96 J	0.33 UJ	0.32 U	0.32 UJ	0.33 UJ	0.38 U	0.37 U	0.38 UJ	0.3 U	
TERT-BUTYLBENZENE	0.27 U	0.27 U	0.26 U	0.26 U	0.25 U	0.25 U	0.26 U	0.29 U	0.29 U	0.3 U	0.23 U	
TERTIARY-BUTYL ALCOHOL	49 B	7 UR	6.9 UR	6.8 UR	6.6 UR	46 B	6.7 UR	54 B	52 B	54 B	43 B	
TETRACHLOROETHENE	0.49 U	0.48 U	0.47 U	0.47 U	0.45 U	0.45 U	0.46 U	0.53 U	0.52 U	0.54 U	0.42 U	
TOLUENE	0.25 U	0.25 U	0.24 U	0.24 U	0.23 U	0.24 U	0.24 U	0.27 U	0.27 U	0.28 U	0.22 U	
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TOTAL XYLENES	0.63 U	0.62 U	0.61 U	0.6 U	0.58 U	0.59 U	0.59 U	0.68 U	0.67 U	0.69 U	0.54 U	
TRANS-1,2-DICHLOROETHENE	0.38 U	0.38 U	0.37 U	0.37 U	0.36 U	0.36 U	0.36 U	0.42 U	0.41 U	0.42 U	0.33 U	
TRANS-1,3-DICHLOROPROPENE	0.51 U	0.5 U	0.49 U	0.48 U	0.47 U	0.47 U	0.48 U	0.55 U	0.54 U	0.56 U	0.44 U	
TRICHLOROETHENE	0.39 U	0.39 U	0.38 U	0.38 U	0.37 U	0.37 U	0.37 U	0.43 U	0.42 U	0.43 U	0.34 U	
TRICHLOROFLUOROMETHANE	0.32 U	0.35 J	0.31 U	0.3 U	0.3 U	0.3 U	0.3 U	0.35 U	0.34 U	0.35 U	0.27 U	
VINYL ACETATE	0.23 U	0.23 U	0.23 U	0.22 U	0.22 U	0.22 U	0.22 U	0.25 U	0.25 U	0.26 U	0.2 U	
VINYL CHLORIDE	0.37 U	0.36 U	0.35 U	0.35 U	0.34 U	0.34 U	0.34 U	0.4 U	0.39 U	0.4 U	0.31 U	
SEMIVOLATILES (UG/KG)												
1,1-BIPHENYL	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U	
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,4-DIOXANE	25 U	26 U	26 U	27 U	26 U	27 U	26 U	26 U	27 U	26 U	25 U	
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	11 U	11 U	12 U	11 U	12 U	11 U	11 U	12 U	11 U	11 U	
2,4,5-TRICHLOROPHENOL	29 U	30 U	29 U	31 U	29 U	30 U	29 U	30 U	30 U	30 U	29 U	
2,4,6-TRICHLOROPHENOL	93 U	95 U	94 U	98 U	94 U	97 U	94 U	96 U	98 U	96 U	92 U	

LOCATION	SB-792	SB-793	SB-793	SB-793	SB-794	SB-794	SB-794	SB-795	SB-795	SB-795	SB-796
SAMPLE ID	D-SB-792-15	D-SB-793-11	D-SB-793-13	D-SB-793-15	D-SB-794-11	D-SB-794-13	D-SB-794-15	D-SB-795-11	D-SB-795-13	D-SB-795-15	D-SB-796-11
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11
2,4-DICHLOROPHENOL	23 U	24 U	24 U	25 U	24 U	24 U	23 U	24 U	24 U	24 U	23 U
2,4-DIMETHYLPHENOL	23 U	24 U	24 U	25 U	24 U	24 U	23 U	24 U	24 U	24 U	23 U
2,4-DINITROPHENOL	93 U	95 U	94 U	98 U	94 U	97 U	94 U	96 U	98 U	96 U	92 U
2,4-DINITROTOLUENE	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
2,6-DINITROTOLUENE	24 U	25 U	25 U	26 U	25 U	25 U	25 U	25 U	26 U	25 U	24 U
2-CHLORONAPHTHALENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
2-CHLOROPHENOL	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
2-METHYLPHENOL	93 U	95 U	94 U	98 U	94 U	97 U	94 U	96 U	98 U	96 U	92 U
2-NITROANILINE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	10 U
2-NITROPHENOL	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	21 U	21 U	21 U	22 U	21 U	22 U	21 U	22 U	22 U	22 U	21 U
3-NITROANILINE	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	19 U	18 U
4,6-DINITRO-2-METHYLPHENOL	93 U	95 U	94 U	98 U	94 U	97 U	94 U	96 U	98 U	96 U	92 U
4-BROMOPHENYL PHENYL ETHER	15 U	15 U	15 U	16 U	15 U	16 U	15 U	16 U	16 U	16 U	15 U
4-CHLORO-3-METHYLPHENOL	24 U	25 U	25 U	26 U	25 U	25 U	25 U	25 U	26 U	25 U	24 U
4-CHLOROANILINE	20 U	20 U	20 U	21 U	20 U	21 U	20 U	20 U	21 U	20 U	20 U
4-CHLOROPHENYL PHENYL ETHER	15 U	15 U	15 U	16 U	15 U	16 U	15 U	16 U	16 U	16 U	15 U
4-METHYLPHENOL	93 U	95 U	94 U	98 U	94 U	97 U	94 U	96 U	98 U	96 U	92 U
4-NITROANILINE	30 U	31 U	31 U	32 U	31 U	32 U	31 U	31 U	32 U	31 U	30 U
4-NITROPHENOL	93 U	95 U	94 U	98 U	94 U	97 UR	94 U	96 U	98 U	96 U	92 U
ACETOPHENONE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	10 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	14 U	14 U	14 U	15 U	14 U	15 U	14 U	14 U	15 U	14 U	14 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	25 U	26 U	26 U	27 U	26 U	27 U	26 U	26 U	27 U	26 U	25 U
BIS(2-CHLOROETHYL)ETHER	2.3 U	2.4 U	2.4 U	2.5 U	2.4 U	2.4 U	2.3 U	2.4 U	2.4 U	2.4 U	2.3 U
BIS(2-ETHYLHEXYL)PHTHALATE	22 U	23 U	22 U	23 U	22 U	27 J	22 U	25 J	23 U	23 U	22 U
BUTYL BENZYL PHTHALATE	12 U	12 U	12 U	28 J	12 U	12 U	12 U	12 U	12 U	12 U	12 U
CAPROLACTAM	43 U	44 U	43 U	45 U	43 U	45 U	43 U	44 U	45 U	44 U	43 U
CARBAZOLE	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
DIBENZOFURAN	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
DIETHYL PHTHALATE	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	19 U	18 U
DIMETHYL PHTHALATE	20 U	20 U	20 U	21 U	20 U	21 U	20 U	20 U	21 U	20 U	20 U
DI-N-BUTYL PHTHALATE	17 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	17 U
DI-N-OCTYL PHTHALATE	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
HEXACHLOROBENZENE	2.4 U	2.5 U	2.5 U	2.6 U	2.5 U	2.5 U	2.5 U	2.5 U	2.6 U	2.5 U	2.4 U
HEXACHLOROBUTADIENE	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
HEXACHLOROCYCLOPENTADIENE	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
HEXACHLOROETHANE	10 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	10 U
ISOPHORONE	15 U	15 U	15 U	16 U	15 U	16 U	15 U	16 U	16 U	16 U	15 U
NITROBENZENE	2.5 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.7 U	2.6 U	2.5 U
N-NITROSODIMETHYLAMINE	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	19 U	18 U
N-NITROSO-DI-N-PROPYLAMINE	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
N-NITROSODIPHENYLAMINE	24 U	25 U	25 U	26 U	25 U	25 U	25 U	25 U	26 U	25 U	24 U
PENTACHLOROPHENOL	93 U	95 U	94 U	98 U	94 U	97 U	94 U	96 U	98 U	96 U	92 U
PHENOL	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U	33 U	32 U	31 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
ACENAPHTHENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
ACENAPHTHYLENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
ANTHRACENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
BAP EQUIVALENT-HALFND	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
BAP EQUIVALENT-POS	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
BENZO(A)ANTHRACENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
BENZO(A)PYRENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
BENZO(B)FLUORANTHENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
BENZO(K)FLUORANTHENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
FLUORANTHENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
FLUORENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-792	SB-793	SB-793	SB-793	SB-794	SB-794	SB-794	SB-795	SB-795	SB-795	SB-796
SAMPLE ID	D-SB-792-15	D-SB-793-11	D-SB-793-13	D-SB-793-15	D-SB-794-11	D-SB-794-13	D-SB-794-15	D-SB-795-11	D-SB-795-13	D-SB-795-15	D-SB-796-11
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	13	15	15	13	13	15	11	13	15	11
INDENO(1,2,3-CD)PYRENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
NAPHTHALENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
PHENANTHRENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
PYRENE	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U	4 U	4 U	3.8 U
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	0.72 U	0.74 U	0.73 U	0.76 U	0.73 U	0.75 UJ	0.73 UJ	0.74 UJ	0.76 UJ	0.74 UJ	0.72 U
4,4'-DDE	0.45 U	0.46 U	0.46 U	0.48 U	0.46 U	0.47 UJ	0.46 UJ	0.47 UJ	0.48 UJ	0.47 UJ	0.45 U
4,4'-DDT	0.73 U	0.75 U	0.74 U	0.77 U	0.74 U	0.76 U	0.74 U	0.75 U	0.77 U	0.75 U	0.73 U
ALDRIN	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.5 UJ	1.4 UJ	1.4 UJ	1.5 UJ	1.4 UJ	1.4 U
ALPHA-BHC	0.85 U	0.87 UJ	0.86 UJ	0.9 UJ	0.86 UJ	0.89 UJ	0.86 UJ	0.87 UJ	0.89 UJ	0.87 UJ	0.84 U
ALPHA-CHLORDANE	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ	1.1 U
AROCLOR-1016	24 U	25 U	25 U	26 U	25 U	25 U	25 U	25 U	26 U	25 U	24 U
AROCLOR-1221	19 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	20 U	19 U	18 U
AROCLOR-1232	16 U	17 U	16 U	17 U	16 U	17 U	16 U	17 U	17 U	17 U	16 U
AROCLOR-1242	15 U	15 U	15 U	16 U	15 U	16 U	15 U	16 U	16 U	16 U	15 U
AROCLOR-1248	20 U	20 U	20 U	21 U	20 U	21 U	20 U	20 U	21 U	20 U	20 U
AROCLOR-1254	20 U	20 U	20 U	21 U	20 U	21 U	20 U	20 U	21 U	20 U	20 U
AROCLOR-1260	20 U	20 U	20 U	21 U	20 U	21 U	20 U	20 U	21 U	20 U	20 U
BETA-BHC	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 U
DELTA-BHC	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.5 UJ	1.4 UJ	1.4 UJ	1.5 UJ	1.4 UJ	1.4 U
DIELDRIN	0.54 U	0.56 U	0.55 U	0.58 U	0.55 U	0.57 U	0.55 U	0.56 U	0.57 U	0.56 U	0.54 U
ENDOSULFAN I	0.6 U	0.62 U	0.61 U	0.64 U	0.61 U	0.63 U	0.61 U	0.62 U	0.63 U	0.62 U	0.6 U
ENDOSULFAN II	0.95 U	0.98 U	0.96 U	1 U	0.96 U	1 U	0.96 U	0.98 U	1 U	0.98 U	0.95 U
ENDOSULFAN SULFATE	1 U	1 U	1 U	1.1 U	1 U	1.1 U	1 U	1 U	1.1 U	1 U	1 U
ENDRIN	0.58 U	0.59 U	0.59 U	0.61 U	0.59 U	0.61 U	0.59 U	0.6 U	0.61 U	0.6 U	0.58 U
ENDRIN ALDEHYDE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
ENDRIN KETONE	0.73 U	0.75 U	0.74 U	0.77 U	0.74 U	0.76 U	0.74 U	0.75 U	0.77 U	0.75 U	0.73 U
GAMMA-BHC (LINDANE)	0.86 U	0.88 U	0.87 U	0.91 U	0.87 U	0.9 UJ	0.87 UJ	0.88 UJ	0.9 UJ	0.89 UJ	0.85 U
GAMMA-CHLORDANE	0.49 U	0.5 U	0.49 U	0.52 U	0.49 U	0.51 UJ	0.49 UJ	0.5 UJ	0.51 UJ	0.5 UJ	0.48 U
HEPTACHLOR	1.3 UJ	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
HEPTACHLOR EPOXIDE	0.93 U	0.95 U	0.94 U	0.98 U	0.94 U	0.97 UJ	0.94 UJ	0.96 UJ	0.98 UJ	0.96 UJ	0.92 U
METHOXYCHLOR	1.7 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	22 U	23 U	22 U	23 U	22 U	23 U	22 U	23 U	23 U	23 U	22 U
METALS (MG/KG)											
ANTIMONY	0.043 B	0.28 B	0.17 B	0.12 B	0.074 B	0.36 J	0.17 B	0.085 B	0.42 J	0.24 B	0.065 J
ARSENIC	0.65 L	4.6 J	2.7 J	2.1 J	1.5 J	7 J	2.3 J	2.3 J	4.2 J	3.2 J	1.3
BARIUM	9	12.7	12.6	14.8	15.3	20.9	14.7	12.2	15	14	10.5
BERYLLIUM	0.99 J	2.3 J	1.5 J	1.4 J	0.78 J	2.7 J	1.4 J	0.38 J	2.4 J	1.7 J	0.91
CADMIUM	0.02 B	0.022 B	0.024 B	0.017 B	0.014 B	0.033 B	0.02 B	0.0093 UL	0.02 B	0.015 B	0.023 B
CHROMIUM	12.1	26.5 J	18 J	17.8 J	9.6 J	26.4 J	22.6 J	12.4 J	32.7 J	25.5 J	17.3
COBALT	5.4	15 J	11 J	11.9 J	6 J	14.6 J	10.6 J	1.7 J	11.8 J	10 J	3.9
COPPER	6.3	27.5 J	15.8 J	21.3 J	6.5 J	20.6 J	11 J	10.9 J	24.2 J	17.7 J	9.4
IRON	6810	33500 J	22400 J	15400 J	9930 J	41800 J	23400 J	9260 J	39400 J	28500 J	11100
LEAD	2.4	6.8	6.5	4.9	4.1	8.1	3	4.9	7.5	4.4	2.8
MANGANESE	5.8 J	20.5 J	10.2 J	7.1 J	20 J	50.8 J	20.6 J	11.4 J	52.1 J	41.9 J	5
MERCURY	0.017 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.017 U
MOLYBDENUM	0.11 B	0.65	0.44	0.24 B	0.09 B	0.63	0.32	0.087 B	0.58	0.42	0.16 J
NICKEL	8.5	28.5 J	18.7 J	23.3 J	12.1 J	35.2 J	23.5 J	3.9 J	30 J	24.5 J	8.5
SELENIUM	0.93 L	1 L	0.97 L	1.3 L	1.3 L	4.5 L	1.5 L	1.4 L	1.5 L	2.2 L	1 K
SILVER	0.019 U	0.024 B	0.019 U	0.02 U	0.019 U	0.026 B	0.021 B	0.019 U	0.02 U	0.019 U	0.018 U
THALLIUM	0.057 J	0.093 J	0.091 J	0.14	0.094 J	0.11 J	0.096 J	0.12	0.14	0.1 J	0.052 B
VANADIUM	14.9	54.7 J	35.1 J	28.1 J	15.5 J	45.7 J	31.1 J	14.6 J	43.2 J	36.4 J	26.5
ZINC	12.8	35.6 L	24 L	29 L	15.4 L	45.2 L	26.2 L	5.6 L	38 L	30.6 L	11
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	8900 J	4000 J	3300 U	3400 U	3300 UJ	3400 UJ	3300 UJ	4800 J	8300 J	3400 U	5000 J
GASOLINE RANGE ORGANICS	53 U	55 U	54 U	56 U	54 UJ	56 UJ	54 UJ	55 UJ	56 UJ	55 UJ	53 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	0.31 U	0.32 U	0.32 U	0.33 U	0.36 J	0.44 J	0.59 J	0.67 J	0.62 J	0.32 U	0.56 J
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-5
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-792	SB-793	SB-793	SB-793	SB-794	SB-794	SB-794	SB-795	SB-795	SB-795	SB-796
SAMPLE ID	D-SB-792-15	D-SB-793-11	D-SB-793-13	D-SB-793-15	D-SB-794-11	D-SB-794-13	D-SB-794-15	D-SB-795-11	D-SB-795-13	D-SB-795-15	D-SB-796-11
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-796	SB-796
SAMPLE ID	D-SB-796-13	D-SB-796-15
SAMPLE DATE	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL
MATRIX	SO	SO
SAMPLE TYPE	NORMAL	NORMAL
SUBMATRIX	SB	SB
TOP DEPTH	13	15
BOTTOM DEPTH	13	15
VOLATILES (UG/KG)		
1,1,1,2-TETRACHLOROETHANE	0.54 U	0.52 U
1,1,1-TRICHLOROETHANE	0.49 U	0.47 U
1,1,2,2-TETRACHLOROETHANE	0.3 U	0.28 U
1,1,2-TRICHLOROETHANE	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.1 U	1.1 U
1,1-DICHLOROETHANE	0.32 U	0.3 U
1,1-DICHLOROETHENE	0.46 U	0.43 U
1,1-DICHLOROPROPENE	0.26 U	0.25 U
1,2,3-TRICHLOROBENZENE	0.33 U	0.32 U
1,2,3-TRICHLOROPROPANE	0.79 U	0.75 U
1,2,3-TRIMETHYLBENZENE	0.15 U	0.14 U
1,2,4-TRICHLOROBENZENE	0.24 U	0.23 U
1,2,4-TRIMETHYLBENZENE	0.57 U	0.54 U
1,2-DIBROMO-3-CHLOROPROPANE	1.1 U	1.1 U
1,2-DIBROMOETHANE	0.44 U	0.42 U
1,2-DICHLOROBENZENE	0.32 U	0.3 U
1,2-DICHLOROETHANE	0.3 U	0.28 U
1,2-DICHLOROPROPANE	0.61 U	0.58 U
1,3,5-TRIMETHYLBENZENE	NA	NA
1,3-DICHLOROBENZENE	0.31 U	0.29 U
1,3-DICHLOROPROPANE	0.3 U	0.28 U
1,3-DICHLOROPROPENE	NA	NA
1,4-DICHLOROBENZENE	0.58 U	0.55 U
1,4-DIOXANE	NA	NA
2,2-DICHLOROPROPANE	0.83 U	0.78 U
2-BUTANONE	1.2 U	1.2 U
2-CHLOROETHYL VINYL ETHER	1.2 U	1.2 U
2-CHLOROTOLUENE	0.35 U	0.33 U
2-HEXANONE	0.55 U	0.53 U
4-CHLOROTOLUENE	0.36 U	0.34 U
4-ISOPROPYLTOLUENE	0.18 U	0.18 U
4-METHYL-2-PENTANONE	0.47 U	0.45 U
ACETONE	5.5 U	5.3 U
BENZENE	0.2 U	0.19 U
BROMOBENZENE	0.29 U	0.28 U
BROMOCHLOROMETHANE	0.62 U	0.59 U
BROMODICHLOROMETHANE	0.25 U	0.23 U
BROMOFORM	0.29 U	0.28 U
BROMOMETHANE	0.47 U	0.45 U
CARBON DISULFIDE	0.79 B	0.84 B
CARBON TETRACHLORIDE	0.32 U	0.31 U
CHLOROBENZENE	0.29 U	0.28 U
CHLORODIBROMOMETHANE	0.48 U	0.46 U
CHLOROETHANE	0.76 U	0.72 U
CHLOROFORM	0.25 U	0.24 U
CHLOROMETHANE	0.36 U	0.34 U
CIS-1,2-DICHLOROETHENE	0.32 U	0.3 U
CIS-1,3-DICHLOROPROPENE	0.3 U	0.28 U
DIBROMOMETHANE	0.55 U	0.53 U
DICHLORODIFLUOROMETHANE	0.44 U	0.42 U
DIISOPROPYL ETHER	1.3 U	1.3 U
ETHYL TERT-BUTYL ETHER	0.19 U	0.18 U
ETHYLBENZENE	0.23 U	0.22 U
FLUORODICHLOROMETHANE	NA	NA
HEXACHLOROBUTADIENE	1.1 U	1 U
ISOPROPYLBENZENE	0.14 U	0.13 U
M+P-XYLENES	1.1 U	1 U
METHYL TERT-BUTYL ETHER	0.38 UJ	0.36 UJ
METHYLENE CHLORIDE	0.86 B	0.96 B
NAPHTHALENE	0.74 B	0.7 B
N-BUTYLBENZENE	0.2 U	0.19 U
N-PROPYLBENZENE	0.35 U	0.33 U
O-XYLENE	0.31 U	0.29 U
SEC-BUTYLBENZENE	0.16 U	0.15 U
STYRENE	0.13 U	0.13 U
TERT-AMYL METHYL ETHER	0.32 U	0.31 U
TERT-BUTYLBENZENE	0.25 U	0.24 U
TERTIARY-BUTYL ALCOHOL	6.7 UR	6.3 UR
TETRACHLOROETHENE	0.46 U	0.43 U
TOLUENE	0.24 U	0.23 U
TOTAL 1,2-DICHLOROETHENE	NA	NA
TOTAL XYLENES	0.59 U	0.56 U
TRANS-1,2-DICHLOROETHENE	0.36 U	0.34 U
TRANS-1,3-DICHLOROPROPENE	0.47 U	0.45 U
TRICHLOROETHENE	0.37 U	0.35 U
TRICHLOROFLUOROMETHANE	0.3 U	0.28 U
VINYL ACETATE	0.22 U	0.21 U
VINYL CHLORIDE	0.34 U	0.33 U
SEMIVOLATILES (UG/KG)		
1,1-BIPHENYL	33 U	31 U
1,2,4-TRICHLOROBENZENE	NA	NA
1,2-DICHLOROBENZENE	NA	NA
1,3-DICHLOROBENZENE	NA	NA
1,4-DICHLOROBENZENE	NA	NA
1,4-DIOXANE	27 U	25 U
2,2'-OXYBIS(1-CHLOROPROPANE)	12 U	11 U
2,4,5-TRICHLOROPHENOL	30 U	29 U
2,4,6-TRICHLOROPHENOL	98 U	91 U

LOCATION	SB-796	SB-796
SAMPLE ID	D-SB-796-13	D-SB-796-15
SAMPLE DATE	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL
MATRIX	SO	SO
SAMPLE TYPE	NORMAL	NORMAL
SUBMATRIX	SB	SB
TOP DEPTH	13	15
BOTTOM DEPTH	13	15
2,4-DICHLOROPHENOL	24 U	23 U
2,4-DIMETHYLPHENOL	24 U	23 U
2,4-DINITROPHENOL	98 U	91 U
2,4-DINITROTOLUENE	33 U	31 U
2,6-DINITROTOLUENE	26 U	24 U
2-CHLORONAPHTHALENE	4 U	3.8 U
2-CHLOROPHENOL	33 U	31 U
2-METHYLPHENOL	98 U	91 U
2-NITROANILINE	11 U	10 U
2-NITROPHENOL	33 U	31 U
3&4-METHYLPHENOL	NA	NA
3,3'-DICHLOROBENZIDINE	22 U	21 U
3-NITROANILINE	20 U	18 U
4,6-DINITRO-2-METHYLPHENOL	98 U	91 U
4-BROMOPHENYL PHENYL ETHER	16 U	15 U
4-CHLORO-3-METHYLPHENOL	26 U	24 U
4-CHLOROANILINE	21 U	19 U
4-CHLOROPHENYL PHENYL ETHER	16 U	15 U
4-METHYLPHENOL	98 U	91 U
4-NITROANILINE	32 U	30 U
4-NITROPHENOL	98 U	91 U
ACETOPHENONE	11 U	11 U
ANILINE	NA	NA
ATRAZINE	11 U	10 U
AZOBENZENE	NA	NA
BENZALDEHYDE	15 U	14 U
BENZIDINE	NA	NA
BENZOIC ACID	NA	NA
BENZYL ALCOHOL	NA	NA
BIS(2-CHLOROETHOXY)METHANE	27 U	25 U
BIS(2-CHLOROETHYL)ETHER	2.4 U	2.3 U
BIS(2-ETHYLHEXYL)PHTHALATE	23 U	22 U
BUTYL BENZYL PHTHALATE	12 U	11 U
CAPROLACTAM	45 U	42 U
CARBAZOLE	33 U	31 U
DIBENZOFURAN	4 U	3.8 U
DIETHYL PHTHALATE	20 U	18 U
DIMETHYL PHTHALATE	21 U	19 U
DI-N-BUTYL PHTHALATE	18 U	17 U
DI-N-OCTYL PHTHALATE	33 U	31 U
HEXACHLOROBENZENE	2.6 U	2.4 U
HEXACHLOROBUTADIENE	33 U	31 U
HEXACHLOROCYCLOPENTADIENE	33 U	31 U
HEXACHLOROETHANE	11 U	10 U
ISOPHORONE	16 U	15 U
NITROBENZENE	2.7 U	2.5 U
N-NITROSODIMETHYLAMINE	20 U	18 U
N-NITROSO-DI-N-PROPYLAMINE	33 U	31 U
N-NITROSODIPHENYLAMINE	26 U	24 U
PENTACHLOROPHENOL	98 U	91 U
PHENOL	33 U	31 U
PYRIDINE	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)		
1-METHYLNAPHTHALENE	NA	NA
2-METHYLNAPHTHALENE	4 U	3.8 U
ACENAPHTHENE	4 U	3.8 U
ACENAPHTHYLENE	4 U	3.8 U
ANTHRACENE	4 U	3.8 U
BAP EQUIVALENT-HALFND	4 U	3.8 U
BAP EQUIVALENT-POS	4 U	3.8 U
BENZO(A)ANTHRACENE	4 U	3.8 U
BENZO(A)PYRENE	4 U	3.8 U
BENZO(B)FLUORANTHENE	4 U	3.8 U
BENZO(B+K)FLUORANTHENE	NA	NA
BENZO(G,H,I)PERYLENE	4 U	3.8 U
BENZO(K)FLUORANTHENE	4 U	3.8 U
C1-CHRYSENES	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA
C1-FLUORENES	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA
C2-CHRYSENES	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA
C2-FLUORENES	NA	NA
C2-NAPHTHALENES	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA
C3-CHRYSENES	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA
C3-FLUORENES	NA	NA
C3-NAPHTHALENES	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA
C4-CHRYSENES	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA
C4-NAPHTHALENES	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA
CHRYSENE	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	4 U	3.8 U
FLUORANTHENE	4 U	3.8 U
FLUORENE	4 U	3.8 U

LOCATION	SB-796	SB-796
SAMPLE ID	D-SB-796-13	D-SB-796-15
SAMPLE DATE	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL
MATRIX	SO	SO
SAMPLE TYPE	NORMAL	NORMAL
SUBMATRIX	SB	SB
TOP DEPTH	13	15
BOTTOM DEPTH	13	15
INDENO(1,2,3-CD)PYRENE	4 U	3.8 U
NAPHTHALENE	4 U	3.8 U
PHENANTHRENE	4 U	3.8 U
PYRENE	4 U	3.8 U
TOTAL PAHS	0 U	0 U
PESTICIDES/PCBS (UG/KG)		
4,4'-DDD	0.76 U	0.71 U
4,4'-DDE	0.48 U	0.45 U
4,4'-DDT	0.77 U	0.72 U
ALDRIN	1.5 U	1.4 U
ALPHA-BHC	0.89 U	0.83 U
ALPHA-CHLORDANE	1.1 U	1.1 U
AROCLOR-1016	26 U	24 U
AROCLOR-1221	20 U	18 U
AROCLOR-1232	17 U	16 U
AROCLOR-1242	16 U	15 U
AROCLOR-1248	21 U	19 U
AROCLOR-1254	21 U	19 U
AROCLOR-1260	21 U	19 U
BETA-BHC	1.3 U	1.3 U
DELTA-BHC	1.5 U	1.4 U
DIELDRIN	0.57 U	0.54 U
ENDOSULFAN I	0.63 U	0.59 U
ENDOSULFAN II	1 U	0.94 U
ENDOSULFAN SULFATE	1.1 U	0.99 U
ENDRIN	0.61 U	0.57 U
ENDRIN ALDEHYDE	1.2 U	1.1 U
ENDRIN KETONE	0.77 U	0.72 U
GAMMA-BHC (LINDANE)	0.9 U	0.85 U
GAMMA-CHLORDANE	0.51 U	0.48 U
HEPTACHLOR	1.3 U	1.3 U
HEPTACHLOR EPOXIDE	0.98 U	0.91 U
METHOXYCHLOR	1.8 U	1.7 U
TOTAL AROCLOR	0 U	0 U
TOXAPHENE	23 U	22 U
METALS (MG/KG)		
ANTIMONY	0.029 U	0.2 J
ARSENIC	0.43 J	7.3
BARIUM	6.7	9.7
BERYLLIUM	0.48	0.71
CADMIUM	0.025 B	0.02 B
CHROMIUM	3.7	3.5
COBALT	2.4	3.6
COPPER	6.2	23.2
IRON	1050	1610
LEAD	1.4	1.8
MANGANESE	2.9	3.6
MERCURY	0.018 U	0.017 U
MOLYBDENUM	0.077 U	0.078 J
NICKEL	4.1	5.7
SELENIUM	0.72 K	0.94 K
SILVER	0.02 U	0.029 J
THALLIUM	0.041 B	0.08 B
VANADIUM	4.2	2.6
ZINC	7.3	12.4
PETROLEUM HYDROCARBONS (UG/KG)		
DIESEL RANGE ORGANICS	3400 J	3200 U
GASOLINE RANGE ORGANICS	56 U	53 U
TPH (C09-C36)	NA	NA
TPH (C10-C32)	NA	NA
MISCELLANEOUS PARAMETERS (%)		
PERCENT SOLIDS	NA	NA
TOTAL SOLIDS	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)		
HEXAVALENT CHROMIUM	0.33 U	0.31 U
TOTAL ORGANIC CARBON	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)		
PH	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)		
MERCURY (METHYL)	NA	NA
RADIONUCLIDES (PCI/G)		
ACTINIUM-228	NA	NA
ALUMINUM-26	NA	NA
AMERICIUM-241	NA	NA
ANTIMONY-124	NA	NA
ANTIMONY-125	NA	NA
BERYLLIUM-7	NA	NA
BISMUTH-212	NA	NA
BISMUTH-214	NA	NA
CERIUM-139	NA	NA
CERIUM-144	NA	NA
CESIUM-134	NA	NA
CESIUM-137	NA	NA
CHROMIUM-51	NA	NA
COBALT-56	NA	NA
COBALT-57	NA	NA
COBALT-58	NA	NA
COBALT-60	NA	NA
EUROPIUM-152	NA	NA

LOCATION	**SB-796**	**SB-796**
SAMPLE ID	**D-SB-796-13**	**D-SB-796-15**
SAMPLE DATE	**20100910**	**20100910**
SAMPLE CODE	**NORMAL**	**NORMAL**
MATRIX	**SO**	**SO**
SAMPLE TYPE	**NORMAL**	**NORMAL**
SUBMATRIX	**SB**	**SB**
TOP DEPTH	**13**	**15**
BOTTOM DEPTH	**13**	**15**
EUROPIUM-154	NA	NA
EUROPIUM-155	NA	NA
IODINE-131	NA	NA
IRON-59	NA	NA
LEAD-212	NA	NA
LEAD-214	NA	NA
MANGANESE-54	NA	NA
NIOBIUM-94	NA	NA
NIOBIUM-95	NA	NA
POTASSIUM-40	NA	NA
PROTACTINIUM-234	NA	NA
RADIUM-226	NA	NA
RUTHENIUM-106	NA	NA
SCANDIUM-46	NA	NA
SILVER-110	NA	NA
SODIUM-22	NA	NA
THALLIUM-208	NA	NA
THORIUM-227	NA	NA
THORIUM-234	NA	NA
URANIUM-235	NA	NA
ZINC-65	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-060	SB-060	SB-060	SB-060	SB-060	SB-061	SB-061	SB-061
SAMPLE ID				D-SB-60RE-11	D-SB-60RE-12	D-SB-60RE-13	D-SB-60RE-14	D-SB-60RE-15	D-SB-61RE-11	D-SB-61RE-12	D-SB-61RE-13
SAMPLE DATE				20090915	20090915	20090915	20090915	20090915	20090916	20090916	20090916
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	12	13	14	15	11	12	13
BOTTOM DEPTH				11	12	13	14	15	11	12	13
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	26	1.5 U	1.5 U	21	1.5 U	181
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	26	1.5 U	1.5 U	20	1.5 U	181
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	23	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	20	1.5 U	1.5 U	16	1.5 U	150
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	23	1.4 U	1.4 U	16	1.4 U	170
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	10	2 U	2 U	2 U	2 U	57
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	1.1 U	27	1 U	1.1 U	1.1 U	1.1 U	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	8.7	1.7 U	1.8 U	22	1.8 U	130
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	111.7	0 U	0 U	54	0 U	507
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061	SB-061	SB-061A	SB-061A	SB-061A	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C
SAMPLE ID				D-SB-61RE-14	D-SB-61RE-15	D-SB-61REA-11	D-SB-61REA-13	D-SB-61REA-15	D-SB-61REB-11	D-SB-61REB-13	D-SB-61REB-15	D-SB-61REC-11	D-SB-61REC-13	D-SB-61REC-15
SAMPLE DATE				20090916	20090916	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				14	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH				14	15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		578	1.5 U	168	1.5 U	1.5 U	154	1078	16	1.5 U	9.2	1.5 U
BAP EQUIVALENT-POS	22	15	C	577	1.5 U	168	1.5 U	1.5 U	154	1078	15	1.5 U	8.2	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.1 U	86	1.1 U	1.1 U	44	290	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	490	1.5 U	120	1.5 U	1.5 U	110	750	13	1.5 U	8.2	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	510	1.4 U	130	1.4 U	1.4 U	100	750	13	1.4 U	1.3 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	180	2 U	49	1.9 U	2 U	65	410	2 U	1.9 U	1.9 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	110	1 U	1 U	84	410	1 U	1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	19	1.5 U	1.5 U	21	170	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	340	1.8 U	64	1.7 U	1.7 U	75	490	7.7	1.7 U	1.7 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		1520	0 U	578	0 U	0 U	499	3270	33.7	0 U	8.2	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-061D	SB-061D	SB-061D	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A	SB-062A
SAMPLE ID				D-SB-61RED-11	D-SB-61RED-13	D-SB-61RED-15	D-SB-62RE-11	D-SB-62RE-12	D-SB-62RE-13	D-SB-62RE-14	D-SB-62RE-15	D-SB-62REA-11	D-SB-62REA-11-AVG	D-SB-62REA-11-D
SAMPLE DATE				20091012	20091012	20091012	20090914	20090914	20090914	20090914	20090914	20091015	20091015	20091015
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	12	13	14	15	11	11	11
BOTTOM DEPTH				11	13	15	11	12	13	14	15	11	11	11
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	429	47	1.5 U	1.7 U	2213	74	480	147	123	100
BAP EQUIVALENT-POS	22	15	C	1.5 U	429	46	1.5 U	1.7 U	2212	73	479	147	123	100
BENZO(A)ANTHRACENE	220	150	C	1.1 U	250	33	1.1 U	1.2 U	930	34	210	110	93.5	77
BENZO(A)PYRENE	22	15	C	1.5 U	300	36	1.5 U	1.7 U	1800	59	390	100	84	68
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	340	40	1.4 U	1.5 U	1900	60	390	130	113.5	97
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	130	17	2 U	2.2 U	750	20	150	56	46	36
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	290	40	1.1 U	1.2 U	1200	42	260	95	80	65
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	50	1.6 U	1.5 U	1.7 U	3.2 U	1.7 U	1.7 U	17	14	11
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	180	22	1.8 U	1.9 U	1200	41	270	50	42	34
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	1540	188	0 U	0 U	7780	256	1670	558	473	388
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-062A	SB-062A	SB-062B	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062D	SB-062D	SB-062D
SAMPLE ID				D-SB-62REA-13	D-SB-62REA-15	D-SB-62REB-11	D-SB-62REB-13	D-SB-62REB-15	D-SB-62REC-11	D-SB-62REC-13	D-SB-62REC-15	D-SB-62RED-11	D-SB-62RED-13	D-SB-62RED-15
SAMPLE DATE				20091015	20091015	20091015	20091015	20091015	20091015	20091015	20091015	20091014	20091014	20091014
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH				13	15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		90	11	1.5 U	1.5 U	1.5 U	1.5 U	101	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	90	9.8	1.5 U	1.5 U	1.5 U	1.5 U	100	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	71	8.5	1.1 U	1.1 U	1.1 U	1.1 U	63	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	69	8	1.5 U	1.5 U	1.5 U	1.5 U	80	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	98	9.9	1.4 U	1.4 U	1.4 U	1.4 U	88	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	31	2 U	2 U	2 U	2 U	2 U	33	2 U	2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	65	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	58	1.1 U	1.1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	34	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	48	1.8 U	1.8 U	1.7 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		368	26.4	0 U	0 U	0 U	0 U	370	0 U	0 U	0 U	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-063	SB-063	SB-063	SB-063	SB-063	SB-065	SB-065	SB-065	SB-065	SB-065	SB-066
SAMPLE ID				D-SB-63RE-11	D-SB-63RE-12	D-SB-63RE-13	D-SB-63RE-14	D-SB-63RE-15	D-SB-65RE-11	D-SB-65RE-12	D-SB-65RE-13	D-SB-65RE-14	D-SB-65RE-15	D-SB-66RE-11
SAMPLE DATE				20090915	20090915	20090915	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20090915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	12	13	14	15	11	12	13	14	15	11
BOTTOM DEPTH				11	12	13	14	15	11	12	13	14	15	11
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	**124**	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	**44**
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	**124**	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	**43**
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	54	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	45
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	**90**	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	**33**
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	94	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	34
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	40	2.1 U	1.9 U	2 U	2 U	2.1 U	2 U	2 U	18
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	73	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	48
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	13	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	56	1.8 U	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	19
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	420	0 U	0 U	0 U	0 U	0 U	0 U	0 U	197
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-066	SB-066	SB-239	SB-239	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240A	SB-240A
SAMPLE ID				D-SB-66RE-12	D-SB-66RE-15	D-SB-239RE-11	D-SB-239RE-12	D-SB-240RE-11	D-SB-240RE-12	D-SB-240RE-13	D-SB-240RE-14	D-SB-240RE-15	D-SB-240REA-11	D-SB-240REA-13
SAMPLE DATE				20090914	20090914	20091015	20091015	20090914	20090914	20090914	20090914	20090914	20091014	20091014
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				12	15	11	12	11	12	13	14	15	11	13
BOTTOM DEPTH				12	15	11	12	11	12	13	14	15	11	13
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		45	43	185	121	198	42	337	25	22	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	45	42	185	121	198	42	337	24	21	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	43	47	110	82	140	32	210	18	18	1.1 U	1.2 U
BENZO(A)PYRENE	22	15	C	34	32	110	85	130	32	230	19	16	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	43	29	250	110	180	40	250	23	19	1.4 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	15	23	100	36	61	16	110	8.8	2.2 U	2 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	50	48	170	74	130	40	240	27	21	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	29	12	27	1.5 U	43	1.6 U	1.7 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	19	19	88	47	87	22	170	12	12	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		204	198	857	446	755	182	1253	107.8	86	0 U	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-240A	SB-240B	SB-240B	SB-240C	SB-240C	SB-240C	SB-240D	SB-240D	SB-240D	SB-240D	SB-240D
SAMPLE ID				D-SB-240REA-15	D-SB-240REB-11	D-SB-240REB-13	D-SB-240REC-11	D-SB-240REC-13	D-SB-240REC-15	D-SB-240RED-11	D-SB-240RED-11-AVG	D-SB-240RED-11-D	D-SB-240RED-13	D-SB-240RED-15
SAMPLE DATE				20091014	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	11	13	11	13	15	11	11	11	13	15
BOTTOM DEPTH				15	11	13	11	13	15	11	11	11	13	15
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**21**	1.7 U	2 U	1.6 U	**58**	1.9 U	**288**	**161**	**34**	**622**	1.6 U
BAP EQUIVALENT-POS	22	15	C	**20**	1.7 U	2 U	1.6 U	**57**	1.9 U	**284**	**159**	**33**	**622**	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	1.4 U	1.2 U	30	1.4 U	**200 J**	113.5	27 J	**270**	1.2 U
BENZO(A)PYRENE	22	15	C	**19**	1.7 U	2 U	1.6 U	**46**	1.9 U	**220 J**	**122.5**	**25 J**	**440**	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	9.3	1.5 U	1.8 U	1.5 U	48	1.7 U	**280 J**	**157.5**	35 J	**450**	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	2.2 U	2.6 U	2.1 U	27	2.5 U	120 J	65.5	11 J	220	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.2 U	1.1 U	1.4 U	1.1 U	35	1.3 U	240 J	134	28 J	330	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.7 U	2 U	1.6 U	1.6 U	1.9 U	6.2 U	3.85 U	1.5 U	**81**	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	2 U	1.9 U	2.3 U	1.9 U	30	2.2 U	150 J	83.5	17 J	**260**	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		28.3	0 U	0 U	0 U	216	0 U	1210	676.5	143	2051	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-243	SB-243	SB-243	SB-243	SB-243	SB-766	SB-766	SB-766	SB-767	SB-767	SB-767
SAMPLE ID				D-SB-243RE-11	D-SB-243RE-12	D-SB-243RE-13	D-SB-243RE-14	D-SB-243RE-15	D-SB-766-11	D-SB-766-13	D-SB-766-15	D-SB-767-11	D-SB-767-13	D-SB-767-15
SAMPLE DATE				20090915	20090915	20090915	20090915	20090915	20100827	20100827	20100827	20100830	20100830	20100830
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	12	13	14	15	11	13	15	11	13	15
BOTTOM DEPTH				11	12	13	14	15	11	13	15	11	13	15
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	15 U	**160**	4.4 U	4.1 U	4.2 U	4 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	15 U	**260**	4.4 U	4.1 U	4.2 U	4 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	**110**	**58**	4.4 U	4.1 U	**33 J**	4 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	**370**	**34**	4.4 U	4.1 U	**140**	4 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	**270**	**71**	4.4 U	4.1 U	**85 J**	4 U
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	**91**	1.6 U	1.6 U	**717**	**123**	4.4 U	4.1 U	**253**	4 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	**91**	1.6 U	1.6 U	**710**	**121**	4.4 U	4.1 U	**251**	4 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.1 U	43	1.2 U	1.1 U	**470 J**	85	4.4 UJ	4.1 U	**160**	4 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	**64**	1.6 U	1.6 U	**560 J**	**99**	4.4 UJ	4.1 U	**200 J**	4 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.4 U	70	1.5 U	1.4 U	**620 J**	130	4.4 UJ	4.1 U	**230 J**	4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	440 J	3.9 U	4.4 UJ	4.1 U	140 J	4 U
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2 U	25	2.1 U	2 U	340 J	50	4.4 UJ	4.1 U	110 J	4 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	89 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	89 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	89 U	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	89 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	89 U	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	89 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	89 U	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	59	1.1 U	1.1 U	510 J	100	1.5 UJ	1.4 U	170	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	11	1.6 U	1.6 U	15 UJ	3.9 U	4.4 UJ	4.1 U	4.2 U	4 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	650	230	34	4.1 U	180 J	4 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	15 U	72	4.4 U	4.1 U	33 J	4 U
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.8 U	43	1.8 U	1.8 U	**370 J**	3.9 U	4.4 UJ	4.1 U	110 J	4 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	56	400	4.4 U	4.1 U	11	4 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	370	210	4.4 U	4.1 U	53 J	4 U
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	1200 J	210	18 J	4.1 U	330	4 U
TOTAL PAHS	NC	NC		0 U	0 U	315	0 U	0 U	6336	2009	52	0 U	1985	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-768	SB-768	SB-768	SB-769	SB-769	SB-769	SB-770	SB-770	SB-771	SB-771	SB-771
SAMPLE ID				D-SB-768-11	D-SB-768-13	D-SB-768-15	D-SB-769-11	D-SB-769-13	D-SB-769-15	D-SB-770-13	D-SB-770-15	D-SB-771-11	D-SB-771-13	D-SB-771-15
SAMPLE DATE				20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100910	20100910	20100910
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	13	15	13	15	11	13	15
BOTTOM DEPTH				11	13	15	11	13	15	13	15	11	13	15
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	3.9 U	**11**	4 U	4 U	4 U	4 U	**56**	**11**	4 U	4.1 U	4 U
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	**23**	4 U	4 U	4 U	4 U	**94**	**21**	4 U	4.1 U	4 U
ACENAPHTHENE	470000	340000	N	3.9 U	**38 J**	4 U	4 U	4 U	4 U	**65**	3.8 U	4 U	4.1 U	4 U
ACENAPHTHYLENE	470000	340000	N[6]	3.9 U	**200**	4 U	4 U	**27**	4 U	**400**	**43**	4 U	4.1 U	4 U
ANTHRACENE	2300000	1700000	N	3.9 U	**120 J**	4 U	4 U	**10**	4 U	**260**	**26**	4 U	4.1 U	4 U
BAP EQUIVALENT-HALFND	22	15		3.9 U	**362**	4 U	4 U	**46**	4 U	**1871**	**300**	4 U	4.1 U	4 U
BAP EQUIVALENT-POS	22	15	C	3.9 U	**360**	4 U	4 U	**44**	4 U	**1871**	**298**	4 U	4.1 U	4 U
BENZO(A)ANTHRACENE	220	150	C	3.9 U	**190**	4 U	4 U	4 U	4 U	**940**	**230**	4 U	4.1 U	4 U
BENZO(A)PYRENE	22	15	C	3.9 U	**290 J**	4 U	4 U	**37**	4 U	**1300**	**220**	4 U	4.1 U	4 U
BENZO(B)FLUORANTHENE	220	150	C	3.9 U	**320 J**	4 U	4 U	37 J	4 U	**1400 J**	**350 J**	4 U	4.1 U	4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.9 U	220 J	4 U	4 U	30	4 U	1200	320	4 U	4.1 U	4 U
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 U	140 J	4 U	4 U	4 U	4 U	660	73	4 U	4.1 U	4 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	370 J	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	410 J	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	140 J	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	240 J	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	170 J	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	99 J	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	130 J	NA	NA	NA
CHRYSENE	22000	15000	C	1.3 U	230	1.3 U	1.3 U	23	1.3 U	1100	210	1.3 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	4.1 U	4 U	4 U	4 U	4 U	**250 J**	3.8 U	4 U	4.1 U	4 U
FLUORANTHENE	310000	230000	N	3.9 U	240 J	4 U	4 U	25	4 U	1600	270	4 U	4.1 U	4 U
FLUORENE	310000	230000	N	3.9 U	4.1 U	4 U	4 U	4 U	4 U	96	3.8 U	4 U	4.1 U	4 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	**170 J**	4 U	4 U	34 J	4 U	**790 J**	**190 J**	4 U	4.1 U	4 U
NAPHTHALENE	160000	3600	C	3.9 U	26	4 U	4 U	4 U	4 U	130	24	4 U	4.1 U	4 U
PHENANTHRENE	2300000	170000	N[7]	3.9 U	59 J	4 U	4 U	4 U	4 U	640	82	4 U	4.1 U	4 U
PYRENE	230000	170000	N	3.9 U	550	4 U	4 U	54	4 U	2300	480	4 U	4.1 U	4 U
TOTAL PAHS	NC	NC		0 U	2816	0 U	0 U	277	0 U	13225	2539	0 U	0 U	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block D
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-772	SB-772	SB-772	SB-773	SB-773	SB-773	SB-774	SB-774	SB-774	SB-774	SB-774
SAMPLE ID				D-SB-772-11	D-SB-772-13	D-SB-772-15	D-SB-773-11	D-SB-773-13	D-SB-773-15	D-SB-774-11	D-SB-774-13	D-SB-774-15	D-SB-774-15-AVG	D-SB-774-15-D
SAMPLE DATE				20100830	20100830	20100830	20100831	20100831	20100831	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	13	15	11	13	15	15	15
BOTTOM DEPTH				11	13	15	11	13	15	11	13	15	15	15
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	43	59	190	4.1 U	4.1 U	11	4 U	29	17	16	15
2-METHYLNAPHTHALENE	31000	31000	N	63	61	390	9	4.1 U	14	8.5	48	25	27.5	30
ACENAPHTHENE	470000	340000	N	84	28	900	4.1 U	4.1 U	4 U	13	240	90	105	120
ACENAPHTHYLENE	470000	340000	N[6]	4.2 U	14	20 U	4.1 U	4.1 U	8.2	4 U	7.7 U	3.8 U	3.8 U	3.8 U
ANTHRACENE	2300000	1700000	N	24	52	1600	4.1 U	4.1 U	17	20	440	200	165	130
BAP EQUIVALENT-HALFND	22	15		30	80	1351	4.1 U	4.1 U	43	97	888	499	449	399
BAP EQUIVALENT-POS	22	15	C	28	78	1341	4.1 U	4.1 U	41	97	888	499	449	399
BENZO(A)ANTHRACENE	220	150	C	29	76	2400	4.1 U	4.1 U	24	65	730	480	395	310
BENZO(A)PYRENE	22	15	C	19	59	810	4.1 U	4.1 U	34	63	590	340	310	280
BENZO(B)FLUORANTHENE	220	150	C	31 J	68 J	2200 J	4.1 U	4.1 U	22	95	800	460	405	350
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	14	37	580	4.1 U	4.1 U	12	51	350	190	185	180
BENZO(K)FLUORANTHENE	2200	1500	C	15	24	860	4.1 U	4.1 U	4 U	33	300	230	205	180
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	130 J	250	370 J
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	160 J	385	610 J
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	78 UJ	199.5	360 J
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	84 J	117	150 J
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	78 U	99.5	160 J
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	78 U	59.5	80 J
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	78 U	67.5	96 J
CHRYSENE	22000	15000	C	29	84	2200	1.4 U	1.4 U	26	73	750	480	405	330
DIBENZO(A,H)ANTHRACENE	22	15	C	4.2 U	4.3 U	20 U	4.1 U	4.1 U	4 U	13	110	44	40	36
FLUORANTHENE	310000	230000	N	65	170	7100	9.9	4.1 U	47	120	1800	1300 J	1000	700 J
FLUORENE	310000	230000	N	45	68	950	4.1 U	4.1 U	18	13	220	95	91	87
INDENO(1,2,3-CD)PYRENE	220	150	C	24 J	40 J	600 J	4.1 U	4.1 U	23	41	310	180	165	150
NAPHTHALENE	160000	3600	C	95	28	990	4.1 U	4.1 U	4 U	12	76	47	55	63
PHENANTHRENE	2300000	170000	N[7]	110	310	5600	19	4.1 U	86	74	1500	870 J	680	490 J
PYRENE	230000	170000	N	49	210	5200	12	4.1 U	64	97	1300	920 J	720	520 J
TOTAL PAHS	NC	NC		696	1329	32380	49.9	0 U	395.2	791.5	9564	5951	4953.5	3956
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		MRC-MW40A	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057	SB-058
SAMPLE ID				MRC-MW40[1214]	F-SB-57RE-11	F-SB-57RE-12	F-SB-57RE-13	F-SB-57RE-14	F-SB-57RE-15	SB-57-15	F-SB-58RE-11
SAMPLE DATE				20050525	20090917	20090917	20090917	20090917	20090917	20040913	20090917
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				12	11	12	13	14	15	15	11
BOTTOM DEPTH				14	11	12	13	14	15	15	11
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	58 U	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	58 U	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	6 U	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	6 U	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	6 U	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	12 U	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	7 B	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	6 U	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	6 U	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	6 U	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	6 U	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	6 U	NA
SEMIVOLATILES (UG/KG)											
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	390 U	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	390 U	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	550	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	390 U	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	390 U	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	390 U	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	390 U	NA
BAP EQUIVALENT-HALFND	22	15		NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	390 U	6.3
BAP EQUIVALENT-POS	22	15	C	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	390 U	4.4
BENZO(A)ANTHRACENE	220	150	C	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	390 U	12
BENZO(A)PYRENE	22	15	C	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	390 U	1.9 U
BENZO(B)FLUORANTHENE	220	150	C	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	390 U	14
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	390 U	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	390 U	2.4 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	390 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	390 U	1.9 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	390 U	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	390 U	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U	390 U	18
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	390 U	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	390 U	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	390 U	NA
TOTAL PAHS	NC	NC		NA	0 U	0 U	0 U	0 U	0 U	0 U	44
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	2.8 UR	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	0.66 L	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	2.8 U	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	2.8 UL	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	5.7 L	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	2.8 U	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	2.8 UJ	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	0.11 UL	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	2.8 U	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	2.8 UL	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	2.8 UR	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	2.3 UL	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	28 UL	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	11000 U	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	110 U	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		319 J	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-058	SB-058	SB-058	SB-058	SB-058	SB-058	SB-058A	SB-058A	SB-058B	SB-058B	SB-058C
SAMPLE ID					F-SB-58RE-12	F-SB-58RE-13	F-SB-58RE-14	F-SB-58RE-15	SB-58-15	SB-58-20	F-SB-58REA-12	F-SB-58REA-14	F-SB-58REB-12	F-SB-58REB-14	F-SB-58REC-12
SAMPLE DATE					20090917	20090917	20090917	20090917	20040913	20040913	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					12	13	14	15	15	20	12	14	12	14	12
BOTTOM DEPTH					12	13	14	15	15	20	12	14	12	14	12
VOLATILES (UG/KG)															
1,2,3-TRIMETHYLBENZENE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	63 U	65 U	NA	NA	NA	NA	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	63 U	65 U	NA	NA	NA	NA	NA
BENZENE	12000		1100	C	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
CHLOROMETHANE	NC		12000	N	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
ETHYLBENZENE	780000		5400	C	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
M+P-XYLENES	1600000	[4]	63000	N[5]	NA	NA	NA	NA	13 U	13 U	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
O-XYLENE	1600000	[4]	380000	N	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
STYRENE	1600000		630000	N	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000		500000	N	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	[4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC		79000	N	NA	NA	NA	NA	6 U	6 U	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)															
BIS(2-ETHYLHEXYL)PHTHALATE	46000		35000	C	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC		260000	C	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	410 U	590	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000		340000	N[6]	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22		15		1433	38	1.6 U	1.6 U	410 U	440 U	52	1.5 U	2.1 U	498	44
BAP EQUIVALENT-POS	22		15	C	1433	37	1.6 U	1.6 U	410 U	440 U	51	1.5 U	2.1 U	498	43
BENZO(A)ANTHRACENE	220		150	C	1200	33	1.2 U	1.2 U	410 U	440 U	30	1.1 U	1.6 U	210	25
BENZO(A)PYRENE	22		15	C	1000	27	1.6 U	1.6 U	410 U	440 U	39	1.5 U	2.1 U	330	33
BENZO(B)FLUORANTHENE	220		150	C	1200	38	1.5 U	1.5 U	410 U	440 U	51	1.4 U	2 U	480	45
BENZO(G,H,I)PERYLENE	230000		170000	N[7]	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200		1500	C	530	2.5 U	2.1 U	2.1 U	410 U	440 U	19	1.9 U	2.8 U	200	12
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	1000	28	1.1 U	1.1 U	410 U	440 U	29	1 U	1.5 U	270	19
DIBENZO(A,H)ANTHRACENE	22		15	C	140	1.9 U	1.6 U	1.6 U	410 U	440 U	1.8 U	1.5 U	2.1 U	74	1.9 U
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
FLUORENE	310000		230000	N	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220		150	C	470	29	1.9 U	1.8 U	410 U	440 U	38	1.7 U	2.5 U	230	32
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
PHENANTHRENE	2300000		170000	N[7]	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
PYRENE	230000		170000	N	NA	NA	NA	NA	410 U	440 U	NA	NA	NA	NA	NA
TOTAL PAHS	NC		NC		5540	155	0 U	0 U	0 U	0 U	206	0 U	0 U	1794	166
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	NA	NA	NA	NA	3.1 UR	3 UR	NA	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	NA	5.3 L	2.5 L	NA	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	NA	3.1 U	3 U	NA	NA	NA	NA	NA
CADMIUM	3.9		7	N	NA	NA	NA	NA	3.1 UL	3 UL	NA	NA	NA	NA	NA
CHROMIUM	12000	[8]	12000	N[8]	NA	NA	NA	NA	26 L	3.8 L	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	NA	22	4.8 K	NA	NA	NA	NA	NA
IRON	5500		5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	NA	20 J	3 UJ	NA	NA	NA	NA	NA
MANGANESE	160		180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[9]	2.3	N[10]	NA	NA	NA	NA	0.12 UL	0.12 UL	NA	NA	NA	NA	NA
MOLYBDENUM	NC		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	NA	18	23	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	NA	3.1 UL	3 UL	NA	NA	NA	NA	NA
SILVER	39		39	N	NA	NA	NA	NA	3.1 UR	3 UR	NA	NA	NA	NA	NA
THALLIUM	0.55		NC		NA	NA	NA	NA	2.4 UL	2.4 UL	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	NA	49 J	30 UL	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	12000 U	13000 U	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	130 U	130 U	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)															
HEXAVALENT CHROMIUM	23		0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-058C	SB-058D	SB-058D	SB-059	SB-062	SB-065	SB-065	SB-067	SB-067	SB-067	SB-244
SAMPLE ID				F-SB-58REC-14	F-SB-58RED-12	F-SB-58RED-14	SB-59-15	SB-62-15	SB-65-15	SB-65-20	SB-67-15	SB-67-20	SB-67-25	SB-244-15
SAMPLE DATE				20091103	20091103	20091103	20040923	20040923	20040917	20040917	20040927	20040927	20040927	20050607
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				14	12	14	15	15	15	20	15	20	25	15
BOTTOM DEPTH				14	12	14	15	15	15	20	15	20	25	15
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	58 U	61 U	56 U	57 U	62 UL	63 UL	60 UL	NA
ACETONE	7000000	6100000	N	NA	NA	NA	58 U	61 U	56 U	57 U	62 UL	63 UL	60 UL	NA
BENZENE	12000	1100	C	NA	NA	NA	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	12 U	12 U	11 U	11 U	12 UL	13 UL	12 UL	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	9 J	9 J	8 J	9 J	6 UL	6 UL	6 UL	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA
STYRENE	1600000	630000	N	NA	NA	NA	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	6 U	6 U	6 U	6 U	6 UL	6 UL	6 UL	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
PHENOL	2300000	1800000	N	NA	NA	NA	3900 U	520	380 U	390 U	410 U	4200 U	410 U	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
BAP EQUIVALENT-HALFND	22	15		263	50	50	3021	410 U	380 U	390 U	410 U	3182	410 U	NA
BAP EQUIVALENT-POS	22	15	C	263	49	49	876	410 U	380 U	390 U	410 U	431	410 U	NA
BENZO(A)ANTHRACENE	220	150	C	200	28	32	520 J	410 U	380 U	390 U	410 U	4200 U	410 U	NA
BENZO(A)PYRENE	22	15	C	170	38	38	770 J	410 U	380 U	390 U	410 U	430 J	410 U	NA
BENZO(B)FLUORANTHENE	220	150	C	230	50	46	460 J	410 U	380 U	390 U	410 U	4200 U	410 U	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
BENZO(K)FLUORANTHENE	2200	1500	C	74	8.9	14	690 J	410 U	380 U	390 U	410 U	4200 U	410 U	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	180	30	24	770 J	410 U	380 U	390 U	410 U	510 J	410 U	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	40	1.7 U	1.8 U	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	740 J	410 U	380 U	390 U	410 U	510 J	410 U	NA
FLUORENE	310000	230000	N	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	88	30	34	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	3900 U	410 U	380 U	390 U	410 U	4200 U	410 U	NA
PYRENE	230000	170000	N	NA	NA	NA	1800 J	410 U	380 U	390 U	410 U	790 J	410 U	NA
TOTAL PAHS	NC	NC		982	184.9	188	5750	0 U	0 U	0 U	0 U	2240	0 U	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	2.5 UL	2.6 UL	2.8 UR	2.8 U	2.9 UL	2.7 UL	2.6 UL	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	2.8	0.71	0.57 UL	0.57 U	2.5	1.2 K	0.52 U	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	2.5 U	2.6 U	2.8 UL	2.8 U	2.9 U	2.7 U	2.6 U	NA
CADMIUM	3.9	7	N	NA	NA	NA	2.5 U	2.6 U	2.8 UL	2.8 U	2.9 U	2.7 U	2.6 U	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	27 J	6.4 J	2.8 U	2.8 U	14 J	19 J	16 J	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	15	3	5 L	3.4 L	11 J	9.7 J	4.9 J	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	11	2.6 U	2.8 UL	2.8 UJ	6.5 K	7.5 K	2.6 U	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	0.1 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.1 U	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	15	2.6 U	6.6	3.5 K	10 K	4.3 K	7.6 K	NA
SELENIUM	39	39	N	NA	NA	NA	2.5 U	2.6 U	2.8 UL	2.8 U	2.9 U	2.7 U	2.6 U	NA
SILVER	39	39	N	NA	NA	NA	2.5 UR	2.6 UR	2.8 UR	2.8 UL	2.9 UR	2.7 UR	2.6 UR	NA
THALLIUM	0.55	NC		NA	NA	NA	2 U	2.1 U	2.3 UL	2.3 UL	2.3 U	2.2 U	2.1 U	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	50 J	26 UL	28 U	28 UL	29 UL	27 UL	26 UL	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	11000 U	12000 U	11000 U	12000 U	12000 U	13000 U	12000 U	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	120 U	120 U	110 U	110 U	120 U	130 U	120 U	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-245	SB-246	SB-247	SB-248	SB-249	SB-775	SB-775	SB-775	SB-776	SB-776	SB-776
SAMPLE ID					SB-245-15	SB-246-15	SB-247-15	SB-248-15	SB-249-15	D-SB-775-11	D-SB-775-13	D-SB-775-15	D-SB-776-11	D-SB-776-13	D-SB-776-15
SAMPLE DATE					20050607	20050607	20050607	20050607	20050607	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					15	15	15	15	15	11	13	15	11	13	15
BOTTOM DEPTH					15	15	15	15	15	11	13	15	11	13	15
VOLATILES (UG/KG)															
1,2,3-TRIMETHYLBENZENE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000		1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC		12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000		5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000	[4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000	[4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000		630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000		500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	[4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC		79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)															
BIS(2-ETHYLHEXYL)PHTHALATE	46000		35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC		260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U
ACENAPHTHYLENE	470000		340000	N[6]	NA	NA	NA	NA	NA	15	49	4.2 U	28	37	3.9 U
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	NA	3.9 U	20	4.2 U	10	15	3.9 U
BAP EQUIVALENT-HALFND	22		15		NA	NA	NA	NA	NA	113	175	4.2 U	88	97	3.9 U
BAP EQUIVALENT-POS	22		15	C	NA	NA	NA	NA	NA	113	173	4.2 U	88	97	3.9 U
BENZO(A)ANTHRACENE	220		150	C	NA	NA	NA	NA	NA	31	88	4.2 U	37	33	3.9 U
BENZO(A)PYRENE	22		15	C	NA	NA	NA	NA	NA	71	140	4.2 U	51	59	3.9 U
BENZO(B)FLUORANTHENE	220		150	C	NA	NA	NA	NA	NA	78	150	4.2 U	52	56	3.9 U
BENZO(G,H,I)PERYLENE	230000		170000	N[7]	NA	NA	NA	NA	NA	51	100	4.2 U	41	48	3.9 U
BENZO(K)FLUORANTHENE	2200		1500	C	NA	NA	NA	NA	NA	26	61	4.2 U	18	24	3.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	85 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	85 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	85 U	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	85 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	85 U	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	85 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	85 U	NA	NA	NA
CHRYSENE	22000		15000	C	NA	NA	NA	NA	NA	50	130	1.4 U	26	41	1.3 U
DIBENZO(A,H)ANTHRACENE	22		15	C	NA	NA	NA	NA	NA	26	3.9 U	4.2 U	25	25	3.9 U
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	NA	43	120	4.2 U	26	37	3.9 U
FLUORENE	310000		230000	N	NA	NA	NA	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U
INDENO(1,2,3-CD)PYRENE	220		150	C	NA	NA	NA	NA	NA	51	88	4.2 U	30	36	3.9 U
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	3.9 U	3.9 U	4.2 U	4.1 U	4.3 U	3.9 U
PHENANTHRENE	2300000		170000	N[7]	NA	NA	NA	NA	NA	3.9 U	8.3	4.2 U	4.1 U	4.3 U	3.9 U
PYRENE	230000		170000	N	NA	NA	NA	NA	NA	110	300	4.2 U	120	150	3.9 U
TOTAL PAHS	NC		NC		NA	NA	NA	NA	NA	552	1254.3	0 U	464	561	0 U
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	NA	NA	NA	0.4	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	2 B	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	2.2	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9		7	N	NA	NA	NA	0.09	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000	[8]	12000	N[8]	NA	NA	NA	28.2	NA	NA	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	8.5	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	36	NA	NA	NA	NA	NA	NA	NA
IRON	5500		5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	3	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160		180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[9]	2.3	N[10]	NA	NA	NA	0.002 U	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC		39	N	NA	NA	NA	0.6 B	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	36	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	5	NA	NA	NA	NA	NA	NA	NA
SILVER	39		39	N	NA	NA	NA	0.04 U	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55		NC		NA	NA	NA	0.8 B	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[11]	NA	NA	NA	61.4	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	30	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)															
HEXAVALENT CHROMIUM	23		0.29	C	NA	NA	NA	0.35 UL	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-777	SB-777	SB-777	SB-778	SB-778	SB-778	SB-779	SB-779	SB-779	SB-780	SB-780
SAMPLE ID				D-SB-777-11	D-SB-777-13	D-SB-777-15	D-SB-778-11	D-SB-778-13	D-SB-778-15	D-SB-779-11	D-SB-779-13	D-SB-779-15	D-SB-780-11	D-SB-780-13
SAMPLE DATE				20100910	20100910	20100910	20100831	20100831	20100831	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH				11	13	15	11	13	15	11	13	15	11	13
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	1600000	630000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	3.8 U	13	3.9 U	4 U	41	4 U	4.2 U	3.9 U	3.9 U	3.8 U	4.3 U
2-METHYLNAPHTHALENE	31000	31000	N	3.8 U	20	3.9 U	4 U	76	4 U	4.2 U	3.9 U	3.9 U	3.8 U	4.3 U
ACENAPHTHENE	470000	340000	N	3.8 U	87	3.9 U	4 U	86	4 U	4.2 U	3.9 U	3.9 U	3.8 U	4.3 U
ACENAPHTHYLENE	470000	340000	N[6]	3.8 U	4 U	3.9 U	4 U	2700	8.9	4.2 U	11	3.9 U	3.8 U	69
ANTHRACENE	2300000	1700000	N	3.8 U	89	3.9 U	4 U	1200	4 U	4.2 U	3.9 U	3.9 U	3.8 U	37
BAP EQUIVALENT-HALFND	22	15		**22**	**269**	3.9 U	4 U	**6217**	**16**	4.2 U	**43**	3.9 U	3.8 U	**198**
BAP EQUIVALENT-POS	22	15	C	**20**	**269**	3.9 U	4 U	**6217**	13	4.2 U	**43**	3.9 U	3.8 U	**198**
BENZO(A)ANTHRACENE	220	150	C	16	**220**	3.9 U	4 U	**2500**	4 U	4.2 U	16	3.9 U	3.8 U	97
BENZO(A)PYRENE	22	15	C	15	**180**	3.9 U	4 U	**4400**	12	4.2 U	**23**	3.9 U	3.8 U	**130**
BENZO(B)FLUORANTHENE	220	150	C	20	**270**	3.9 U	4 U	**4600**	12	4.2 U	23 J	3.9 U	3.8 U	120 J
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	11	110	3.9 U	4 U	3800	10	4.2 U	16	3.9 U	3.8 U	100
BENZO(K)FLUORANTHENE	2200	1500	C	11	100	3.9 U	4 U	1400	4 U	4.2 U	11	3.9 U	3.8 U	55
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	79 U	NA	NA	NA	NA	NA	80 U	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	79 U	NA	NA	NA	NA	NA	80 U	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	79 U	NA	NA	NA	NA	NA	80 U	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	79 U	NA	NA	NA	NA	NA	80 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	79 U	NA	NA	NA	NA	NA	80 U	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	79 U	NA	NA	NA	NA	NA	80 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	79 U	NA	NA	NA	NA	NA	80 U	NA	NA
CHRYSENE	22000	15000	C	18	250	1.3 U	1.3 U	3000	1.3 U	1.4 U	18	1.3 U	1.3 U	120
DIBENZO(A,H)ANTHRACENE	22	15	C	3.8 U	**28**	3.9 U	4 U	**820**	4 U	4.2 U	15 J	3.9 U	3.8 U	**38 J**
FLUORANTHENE	310000	230000	N	36	580	3.9 U	4 U	1900	4 U	4.2 U	23	3.9 U	3.8 U	180
FLUORENE	310000	230000	N	3.8 U	85	3.9 U	4 U	190	4 U	4.2 U	3.9 U	3.9 U	3.8 U	14
INDENO(1,2,3-CD)PYRENE	220	150	C	9.6	110	3.9 U	4 U	**2700**	4 U	4.2 U	11 J	3.9 U	3.8 U	75 J
NAPHTHALENE	160000	3600	C	3.8 U	38	3.9 U	4 U	78	4 U	4.2 U	3.9 U	3.9 U	3.8 U	4.3 U
PHENANTHRENE	2300000	170000	N[7]	23	370	3.9 U	4 U	280	4 U	4.2 U	3.9 U	3.9 U	3.8 U	41
PYRENE	230000	170000	N	29	440	3.9 U	4 U	4500	12	4.2 U	50	3.9 U	3.8 U	280
TOTAL PAHS	NC	NC		188.6	2977	0 U	0 U	34230	54.9	0 U	217	0 U	0 U	1356
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-780	SB-781	SB-781	SB-781	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783	SB-784
SAMPLE ID	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	D-SB-780-15	D-SB-781-11	D-SB-781-13	D-SB-781-15	D-SB-782-11	D-SB-782-13	D-SB-782-15	D-SB-783-11	D-SB-783-13	D-SB-783-15	D-SB-784-11
SAMPLE DATE			20100901	20100901	20100901	20100901	20100902	20100902	20100902	20100902	20100902	20100902	20100902
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH			15	11	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	0.14 U	0.16 U	0.14 U	0.14 U	0.16 U	0.19 U	0.15 U
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	1.2 U	1.3 U	1.1 U	1.2 U	1.3 U	1.6 U	1.3 U
ACETONE	7000000	6100000 N	NA	NA	NA	NA	5.3 U	6 U	5.1 U	5.3 U	5.8 B	7.2 U	5.7 U
BENZENE	12000	1100 C	NA	NA	NA	NA	0.19 U	0.22 U	0.19 U	0.19 U	0.21 U	0.26 U	0.21 U
CHLOROMETHANE	NC	12000 N	NA	NA	NA	NA	0.34 U	0.39 U	0.33 U	0.34 U	0.38 U	0.47 U	0.37 U
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	0.22 U	0.25 U	0.21 U	0.22 U	0.24 U	0.3 U	0.24 U
M+P-XYLENES	1600000 [4]	63000 N[5]	NA	NA	NA	NA	1 U	1.1 U	0.97 U	1 U	1.1 U	1.4 U	1.1 U
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	0.56 U	0.63 U	0.54 U	0.56 U	0.62 U	0.77 U	0.61 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	0.16 U	0.18 U	0.15 U	0.16 U	0.18 U	0.22 U	0.17 U
O-XYLENE	1600000 [4]	380000 N	NA	NA	NA	NA	0.29 U	0.33 U	0.28 U	0.29 U	0.32 U	0.4 U	0.32 U
STYRENE	1600000	630000 N	NA	NA	NA	NA	0.13 U	0.14 U	0.12 U	0.13 U	0.14 U	0.17 U	0.14 U
TERT-AMYL METHYL ETHER	NC	NC	NA	NA	NA	NA	0.31 U	0.35 U	0.3 U	0.31 U	0.34 U	0.42 U	0.34 U
TOLUENE	630000	500000 N	NA	NA	NA	NA	0.23 U	0.26 U	0.22 U	0.23 U	0.25 U	0.31 U	0.25 U
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	0.56 U	0.63 U	0.54 U	0.56 U	0.62 U	0.77 U	0.61 U
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	0.28 U	0.32 U	0.27 U	0.29 U	0.31 U	0.39 U	0.31 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	22 U	24 U	22 U	22 U	23 U	23 U	22 U
BUTYL BENZYL PHTHALATE	NC	260000 C	NA	NA	NA	NA	12 U	12 U	12 U	12 U	12 U	12 U	12 U
PHENOL	2300000	1800000 N	NA	NA	NA	NA	31 U	34 U	31 U	32 U	33 U	33 U	32 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	3.9 U	3.7 U	4.1 U	3.9 U	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	3.9 U	3.7 U	4.1 U	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
ACENAPHTHENE	470000	340000 N	3.9 U	3.7 U	4.1 U	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
ACENAPHTHYLENE	470000	340000 N[6]	3.9 U	3.7 U	93	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
ANTHRACENE	2300000	1700000 N	3.9 U	3.7 U	36	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
BAP EQUIVALENT-HALFND	22	15	26	3.7 U	131	3.9 U	3.8 U	5.8	3.8 U	3.9 U	4 U	4 U	3.9 U
BAP EQUIVALENT-POS	22	15 C	24	3.7 U	129	3.9 U	3.8 U	1.3	3.8 U	3.9 U	4 U	4 U	3.9 U
BENZO(A)ANTHRACENE	220	150 C	18	3.7 U	58	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
BENZO(A)PYRENE	22	15 C	19	3.7 U	99	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
BENZO(B)FLUORANTHENE	220	150 C	20 J	3.7 U	140 J	3.9 U	3.8 U	13	3.8 U	3.9 U	4 U	4 U	3.9 U
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	16	3.7 U	160	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
BENZO(K)FLUORANTHENE	2200	1500 C	11	3.7 U	56	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	22	1.2 U	82	1.3 U	1.3 U	8.7	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15 C	3.9 U	3.7 U	4.1 U	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
FLUORANTHENE	310000	230000 N	34	3.7 U	72	3.9 U	3.8 U	15	3.8 U	3.9 U	4 U	4 U	3.9 U
FLUORENE	310000	230000 N	3.9 U	3.7 U	4.1 U	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
INDENO(1,2,3-CD)PYRENE	220	150 C	11 J	3.7 U	99 J	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
NAPHTHALENE	160000	3600 C	3.9 U	3.7 U	4.1 U	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
PHENANTHRENE	2300000	170000 N[7]	3.9 U	3.7 U	14	3.9 U	3.8 U	4.1 U	3.8 U	3.9 U	4 U	4 U	3.9 U
PYRENE	230000	170000 N	55	3.7 U	180	3.9 U	3.8 U	15	3.8 U	3.9 U	4 U	4 U	3.9 U
TOTAL PAHS	NC	NC	206	0 U	1089	0 U	0 U	51.7	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	0.22 B	0.19 B	0.072 B	0.11 B	0.084 B	0.36 J	0.12 B
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	3.9 J	4.6 J	2.6 J	2.1 J	2.4 J	4.3 J	1.3 J
BARIUM	1600	1500 N	NA	NA	NA	NA	11.2	20.7	19.2	12.6	14.2	18	7
BERYLLIUM	16	16 N	NA	NA	NA	NA	3.4	2.8	2.7	1.1	1.1	3	1.8
CADMIUM	3.9	7 N	NA	NA	NA	NA	0.077 J	0.054 J	0.096 J	0.011 B	0.012 B	0.019 B	0.012 B
CHROMIUM	12000 [8]	12000 N[8]	NA	NA	NA	NA	20 J	17.8 J	13.4 J	10.1 J	11.4 J	21.6 J	14.4 J
COBALT	NC	2.3 N	NA	NA	NA	NA	10.9 J	5.9 J	8.2 J	4.3 J	3 J	8.1 J	7.2 J
COPPER	310	310 N	NA	NA	NA	NA	17.9 J	18.8 J	6.4 J	8.6 J	23.1 J	21.9 J	39 J
IRON	5500	5500 N	NA	NA	NA	NA	31000 J	19200 J	5110 J	8650 J	6580 J	32800 J	23200 J
LEAD	400	400	NA	NA	NA	NA	4.9	10.4	5.6	4.8	6	6.7	4.4
MANGANESE	160	180 N	NA	NA	NA	NA	33.6	31.6	9.7	30.9	14.9	64.2	52.5
MERCURY	2.3 [9]	2.3 N[10]	NA	NA	NA	NA	0.017 U	0.019 U	0.017 U	0.018 U	0.018 U	0.018 U	0.018 U
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	0.43	0.67	0.073 U	0.12 J	0.17 J	0.51	0.15 J
NICKEL	160	150 N	NA	NA	NA	NA	31.6 J	15.7 J	17.6 J	9.1 J	6.3 J	24.4 J	18.1 J
SELENIUM	39	39 N	NA	NA	NA	NA	2.3	2	4.5	1.3	1.5	1.8	1
SILVER	39	39 N	NA	NA	NA	NA	0.019 UL	0.082 J	0.018 UL	0.019 UL	0.019 UL	0.019 UL	0.019 UL
THALLIUM	0.55	NC	NA	NA	NA	NA	0.11 B	0.13 B	0.14 B	0.077 B	0.1 B	0.089 B	0.07 B
VANADIUM	7.8	39 N[11]	NA	NA	NA	NA	41 J	29.7 J	6.6 J	13.8 J	17.7 J	36.3 J	14.9 J
ZINC	2300	2300 N	NA	NA	NA	NA	47.9 J	47 J	46.5 J	25 J	21.9 J	48.5 J	83.2 J
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	3200 B	6600 B	6500 B	4400 J	3400 U	3400 U	3300 U
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	53 U	57 U	53 U	54 U	56 U	56 U	54 U
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29 C	NA	NA	NA	NA	0.83 J	0.34 U	0.34 J	0.32 U	0.33 U	0.33 U	0.35 J
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-784	SB-784	SB-785	SB-785	SB-785	SB-786	SB-786	SB-786	SB-787	SB-787	SB-787
SAMPLE ID					D-SB-784-13	D-SB-784-15	D-SB-785-11	D-SB-785-13	D-SB-785-15	D-SB-786-11	D-SB-786-13	D-SB-786-15	D-SB-787-11	D-SB-787-13	D-SB-787-15
SAMPLE DATE					20100902	20100902	20100908	20100908	20100908	20100903	20100903	20100908	20100908	20100908	20100908
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH					13	15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)															
1,2,3-TRIMETHYLBENZENE	NC		NC		0.14 U	0.16 U	0.15 U	0.16 U	0.15 U	0.12 U	3.2 J	0.16 J	0.14 U	0.14 U	0.14 U
2-BUTANONE	4700000		2800000	N	1.2 U	1.3 U	1.6 J	1.3 U	3.3 J	120 B	38 U	1.1 U	1.1 U	1.2 U	1.7 J
ACETONE	7000000		6100000	N	5.4 U	5.7 U	37 B	28 B	200 B	260 B	350 B	16 B	29 B	100 B	200 B
BENZENE	12000		1100	C	0.2 U	0.21 U	0.21 U	0.21 U	0.2 U	10 J	20 J	3.4 J	0.19 U	0.19 U	0.19 U
CHLOROMETHANE	NC		12000	N	0.35 U	0.37 U	0.37 U	0.7 J	0.36 U	9.8 U	13 U	0.33 U	0.33 U	0.34 U	0.35 U
ETHYLBENZENE	780000		5400	C	0.22 U	0.24 U	0.23 U	0.24 U	0.23 U	3.8 U	9.2 J	0.35 J	0.21 U	0.22 U	0.22 U
M+P-XYLENES	1600000	[4]	63000	N[5]	1 U	1.1 U	1.1 U	1.1 U	1.1 U	12 J	20 J	0.96 U	0.97 U	1 U	1 U
METHYLENE CHLORIDE	85000		11000	C	0.57 U	0.61 U	0.6 U	0.62 U	0.59 U	74 J	77 J	0.54 U	0.54 U	0.56 U	0.57 U
NAPHTHALENE	160000		3600	C	0.16 U	0.17 U	0.8 B	0.81 B	0.81 B	260	530	47	0.76 B	0.77 B	0.76 B
O-XYLENE	1600000	[4]	380000	N	0.3 U	0.32 U	0.31 U	0.32 U	0.31 U	6.3 J	12 J	0.57 J	0.28 U	0.29 U	0.3 U
STYRENE	1600000		630000	N	0.13 U	0.14 U	0.13 U	0.14 U	0.13 U	3.9 U	5 U	0.12 U	0.12 U	0.13 U	0.13 U
TERT-AMYL METHYL ETHER	NC		NC		0.31 U	0.34 U	0.33 UJ	0.34 UJ	0.33 UJ	0.26 UJ	0.33 UJ	0.3 UJ	0.3 UJ	0.31 UJ	0.31 UJ
TOLUENE	630000		500000	N	0.23 U	0.25 U	0.28 J	0.25 U	0.24 U	13 J	31 J	0.58 J	0.22 U	0.23 U	0.23 U
TOTAL XYLENES	1600000	[4]	63000	N	0.57 U	0.61 U	0.6 U	0.62 U	0.59 U	18 J	32 J	1 J	0.54 U	0.56 U	0.57 U
TRICHLOROFLUOROMETHANE	NC		79000	N	0.29 U	0.31 U	0.31 U	0.31 U	0.3 U	11 U	14 U	0.27 U	0.28 U	0.29 U	0.29 U
SEMIVOLATILES (UG/KG)															
BIS(2-ETHYLHEXYL)PHTHALATE	46000		35000	C	78	23 U	22 U	23 U	22 U	22 U	23 U	21 U	22 U	22 U	21 U
BUTYL BENZYL PHTHALATE	NC		260000	C	12 U	22 J	12 U	12 U	12 U	11 U	12 U	11 U	11 U	12 U	11 U
PHENOL	2300000		1800000	N	31 U	33 U	32 U	33 U	32 U	31 U	33 U	30 U	31 U	32 U	30 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
ACENAPHTHENE	470000		340000	N	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
ACENAPHTHYLENE	470000		340000	N[6]	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
ANTHRACENE	2300000		1700000	N	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
BAP EQUIVALENT-HALFND	22		15		3.8 U	4.1 U	3.9 U	18	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
BAP EQUIVALENT-POS	22		15	C	3.8 U	4.1 U	3.9 U	16	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
BENZO(A)ANTHRACENE	220		150	C	3.8 U	4.1 U	3.9 U	12	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
BENZO(A)PYRENE	22		15	C	3.8 U	4.1 U	3.9 U	12	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
BENZO(B)FLUORANTHENE	220		150	C	3.8 U	4.1 U	3.9 U	17	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
BENZO(G,H,I)PERYLENE	230000		170000	N[7]	3.8 U	4.1 U	3.9 U	12	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
BENZO(K)FLUORANTHENE	2200		1500	C	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	1.3 U	1.4 U	1.3 U	11	1.3 U	1.3 U	1.3 U	1.2 U	1.3 U	1.3 U	1.2 U
DIBENZO(A,H)ANTHRACENE	22		15	C	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
FLUORANTHENE	310000		230000	N	3.8 U	4.1 U	3.9 U	14	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
FLUORENE	310000		230000	N	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
INDENO(1,2,3-CD)PYRENE	220		150	C	3.8 U	4.1 U	3.9 U	9.1	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
NAPHTHALENE	160000		3600	C	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	11	3.7 U	3.8 U	3.9 U	3.7 U
PHENANTHRENE	2300000		170000	N[7]	3.8 U	4.1 U	3.9 U	4 U	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
PYRENE	230000		170000	N	3.8 U	4.1 U	3.9 U	14	3.9 U	3.8 U	4 U	3.7 U	3.8 U	3.9 U	3.7 U
TOTAL PAHS	NC		NC		0 U	0 U	0 U	101.1	0 U	0 U	11	0 U	0 U	0 U	0 U
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	0.18 B	0.39 J	0.28 J	0.12 J	0.28 J	0.027 UL	0.075 J	0.064 J	0.33 J	0.22 J	0.027 UL
ARSENIC	0.43		0.39	C	2.5 J	7.2 J	3.2 L	3.1 L	3.8 L	2.5	1.3	0.88 L	5 L	5.4 L	1.7 L
BARIUM	1600		1500	N	13.1	20.6	12.7 J	15.1 J	10.9 J	6.8 J	14.4 J	4.4 J	10.8 J	15.7 J	10.7 J
BERYLLIUM	16		16	N	2.7	5	6.4 J	4.6 J	4.5 J	0.31	0.98	0.3 J	2.8 J	3.7 J	1.7 J
CADMIUM	3.9		7	N	0.014 B	0.023 B	0.0092 U	0.12 K	0.013 B	0.023 J	0.041 J	0.034 J	0.078 J	0.091 J	0.077 J
CHROMIUM	12000	[8]	12000	N[8]	25.7 J	32.5 J	28.8 J	23.2 J	28.7 J	3.8	18.9	2.1 J	28.9 J	27.8 J	4.7 J
COBALT	NC		2.3	N	9.2 J	14.3 J	8	13.7	8.6	1.5	8.5	1.9	7.5	11.7	4.8
COPPER	310		310	N	16.6 J	37 J	23.5	56.2	14.6	3.1 J	4.9 J	5	10.5	15.4	5
IRON	5500		5500	N	31400 J	60600 J	38700 J	34200 J	37900 J	1830 J	13500 J	462 J	33800 J	21700 J	1020 J
LEAD	400		400		4.4	6.3	6.7	14	4.8	2.8 J	3.8 J	1.3	12.3	8.2	3.5
MANGANESE	160		180	N	55.4	142	66.4	96	54.1	3.1 J	5.6 J	1.6	20.4	15.9	6.9
MERCURY	2.3	[9]	2.3	N[10]	0.017 U	0.018 U	0.018 U	0.059 J	0.018 U	0.017 U	0.018 U	0.017 U	0.017 U	0.018 U	0.017 U
MOLYBDENUM	NC		39	N	0.44	0.82	0.32	0.6	0.55	0.072 U	0.13 J	0.095 J	0.78	0.31	0.18 J
NICKEL	160		150	N	25.4 J	37.6 J	22.4 J	32.8 J	27.7 J	2.5 J	14 J	3.2 J	16.1 J	25 J	9.1 J
SELENIUM	39		39	N	0.89	1.4	1.1 J	1.1 J	1.5 L	4.6 L	2 L	0.57 J	1.5 L	1.6 L	1.8 L
SILVER	39		39	N	0.019 UL	0.026 J	0.019 UJ	0.029 J	0.019 UJ	0.018 U	0.019 U	0.047 J	0.018 UJ	0.019 UJ	0.026 J
THALLIUM	0.55		NC		0.074 B	0.11 B	0.12	0.094 B	0.084 B	0.037 J	0.12 L	0.064 B	0.056 B	0.11 J	0.07 B
VANADIUM	7.8		39	N[11]	42.2 J	50.4 J	30.7	34.4	48.3	4.6	16.5	1.6	66.9	54.8	6
ZINC	2300		2300	N	45.7 J	81.3 J	65.8	114	42.5	3.4 J	16.9 J	4.7	27.2	45.3	23.5
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		3300 U	3500 U	3300 UJ	17000	3300 U	3200 U	4300 J	3800 J	3200 UJ	3300 UJ	3100 UJ
GASOLINE RANGE ORGANICS	230000		NC		54 U	57 U	54 U	56 U	54 U	53 U	79 J	52 U	52 U	54 U	52 U
MISCELLANEOUS PARAMETERS (MG/KG)															
HEXAVALENT CHROMIUM	23		0.29	C	0.63 J	0.33 U	0.88 J	0.33 U	0.8 J	0.31 U	0.55 J	0.3 U	0.31 U	0.32 U	0.32 J
TOTAL ORGANIC CARBON	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-788	SB-788	SB-788	SB-789	SB-789	SB-789	SB-790	SB-790	SB-790	SB-791	SB-791
SAMPLE ID			D-SB-788-11	D-SB-788-13	D-SB-788-15	D-SB-789-11	D-SB-789-13	D-SB-789-15	D-SB-790-11	D-SB-790-13	D-SB-790-15	D-SB-791-11	D-SB-791-13
SAMPLE DATE			20100908	20100908	20100908	20100908	20100908	20100908	20100908	20100908	20100908	20100909	20100909
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	11	13	15	11	13	15	11	13	15	11	13
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC	0.2 U	0.17 U	0.14 U	0.14 U	0.14 U	0.15 U	0.16 U	0.15 U	0.14 U	0.15 U	0.18 U
2-BUTANONE	4700000	2800000 N	1.6 U	1.9 J	1.3 J	1.1 U	1.2 U	1.7 J	1.3 U	1.2 U	1.2 U	1.2 U	4 J
ACETONE	7000000	6100000 N	18 B	22 B	230	30 B	5.2 U	100	150 U	110	19 B	5.4 U	60 B
BENZENE	12000	1100 C	0.27 U	0.23 U	0.18 U	0.19 U	0.19 U	0.21 U	0.21 U	0.2 U	0.19 U	0.2 U	0.24 U
CHLOROMETHANE	NC	12000 N	0.48 U	0.4 U	0.33 U	0.34 U	0.34 U	0.37 U	0.38 U	0.36 U	0.34 U	0.35 U	0.43 U
ETHYLBENZENE	780000	5400 C	0.3 U	0.25 U	0.21 U	0.21 U	0.22 U	0.23 U	0.24 U	0.23 U	0.22 U	0.22 U	0.27 U
M+P-XYLENES	1600000 [4]	63000 N[5]	1.4 U	1.2 U	0.96 U	0.98 U	1 U	1.1 U	1.1 U	1.1 U	0.99 U	1 U	1.3 U
METHYLENE CHLORIDE	85000	11000 C	0.78 U	0.66 U	0.53 U	0.55 U	0.56 U	0.6 U	0.62 U	0.6 U	0.55 U	0.81 B	0.82 B
NAPHTHALENE	160000	3600 C	1.1 B	0.87 B	0.73 B	0.16 U	0.16 U	0.17 U	0.18 U	0.17 U	0.16 U	0.79 B	1 B
O-XYLENE	1600000 [4]	380000 N	0.41 U	0.34 U	0.28 U	0.29 U	0.29 U	0.31 U	0.32 U	0.31 U	0.29 U	0.3 U	0.37 U
STYRENE	1600000	630000 N	0.18 U	0.15 U	0.12 U	0.12 U	0.12 U	0.13 U	0.14 U	0.13 U	0.12 U	0.13 U	0.16 J
TERT-AMYL METHYL ETHER	NC	NC	0.43 UJ	0.36 UJ	0.3 UJ	0.3 U	0.31 U	0.33 U	0.34 U	0.33 U	0.31 U	0.32 U	0.39 U
TOLUENE	630000	500000 N	0.43 J	0.4 J	0.22 U	0.22 U	0.22 U	0.24 U	0.25 U	0.24 U	0.22 U	0.23 U	0.28 U
TOTAL XYLENES	1600000 [4]	63000 N	0.78 U	0.66 U	0.53 U	0.55 U	0.56 U	0.6 U	0.62 U	0.6 U	0.55 U	0.57 U	0.7 U
TRICHLOROFLUOROMETHANE	NC	79000 N	0.4 U	0.33 U	0.27 U	0.28 U	0.28 U	0.3 U	0.31 U	0.3 U	0.28 U	0.29 U	0.36 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	23 U	24 U	22 U	22 U	23 U	22 U	23 U	140	22 U	22 U	23 J
BUTYL BENZYL PHTHALATE	NC	260000 C	12 U	12 U	12 U	12 U	29 J	12 U	12 U	12 U	12 U	12 U	12 U
PHENOL	2300000	1800000 N	32 U	33 U	31 U	32 U	33 U	31 U	33 U	32 U	31 U	31 U	32 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
ACENAPHTHENE	470000	340000 N	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
ACENAPHTHYLENE	470000	340000 N[6]	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
ANTHRACENE	2300000	1700000 N	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
BAP EQUIVALENT-HALFND	22	15	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
BAP EQUIVALENT-POS	22	15 C	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
BENZO(A)ANTHRACENE	220	150 C	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
BENZO(A)PYRENE	22	15 C	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
BENZO(B)FLUORANTHENE	220	150 C	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
BENZO(K)FLUORANTHENE	2200	1500 C	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15 C	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
FLUORANTHENE	310000	230000 N	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
FLUORENE	310000	230000 N	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
INDENO(1,2,3-CD)PYRENE	220	150 C	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
NAPHTHALENE	160000	3600 C	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
PHENANTHRENE	2300000	170000 N[7]	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
PYRENE	230000	170000 N	4 U	4.1 U	3.8 U	3.9 U	4 U	3.8 U	4.1 U	4 U	3.8 U	3.8 U	3.9 U
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	0.43 J	0.31 J	0.39 J	0.14 J	0.47 J	0.32 J	0.051 J	0.41 J	0.22 J	0.11 B	0.18 B
ARSENIC	0.43	0.39 C	**5.6**	**7.5**	**5.2**	**2.8**	**6.8**	**4.5**	**2.1**	**5**	**3.3**	**3.9 L**	**2.8 L**
BARIUM	1600	1500 N	25.2	10.8	23	11.3	23.6	16.7	16.1	14	20.9	7.3	7.2
BERYLLIUM	16	16 N	0.057 U	0.058 U	5.5	1.8	10.5	7.2	1.6	4.2	4.2	1 J	1.3 J
CADMIUM	3.9	7 N	0.034 J	0.021 B	0.031 B	0.013 B	0.041 J	0.034 J	0.0096 UL	0.025 B	0.027 B	0.015 B	0.017 B
CHROMIUM	12000 [8]	12000 N[8]	34	30.2	30.9	13.7	33.3	27.8	9.4	22.1	22.7	15.9	20.6
COBALT	NC	2.3 N	**12.3**	**5.1**	**11.2**	**5.7**	**21.3**	**18.1**	**2.6**	**8.8**	**7.4**	**3.7**	**5.9**
COPPER	310	310 N	22.5 L	24 L	20.5 L	14.5 L	48.6 L	23.5 L	12.8 L	20.1 L	18.5 L	6.1	12.5
IRON	5500	5500 N	**49900**	**42200**	**43700**	**18400**	**85000**	**43700**	**6230**	**36600**	**28600**	**17100**	**26600**
LEAD	400	400	9.8	6.4	8.6	4.5	10.3	5.9	3.6	7.4	4.2	5.6	4.9
MANGANESE	160	180 N	104	38.8	93.6	49	**341**	106	5.2	107	47.2	7.4 J	11.7 J
MERCURY	2.3 [9]	2.3 N[10]	0.018 U	0.019 U	0.017 U	0.018 U	0.018 U	0.017 U	0.018 U	0.018 U	0.017 U	0.017 U	0.018 U
MOLYBDENUM	NC	39 N	0.77	0.77	0.7	0.22 J	1	0.67	0.11 J	0.6	0.46	0.28	0.61
NICKEL	160	150 N	37.6	16.9	34.8	15.7	54.1	41.7	5.4	27.6	24.6	9.3	17.7
SELENIUM	39	39 N	1.8 J	0.6 J	1.7 J	1.8 J	1.6 J	1.5 J	1.4 J	3.3 J	2.3 J	4.9 L	1.4 L
SILVER	39	39 N	0.019 U	0.02 U	0.018 U	0.019 U	0.029 B	0.024 B	0.02 U	0.019 U	0.019 U	0.019 U	0.019 U
THALLIUM	0.55	NC	0.15 J	0.052 J	0.13 B	0.057 B	0.11 B	0.086 B	0.088 B	0.094 B	0.089 B	0.06 J	0.051 J
VANADIUM	7.8	39 N[11]	**40**	**64.7**	**36.7**	**24.8**	**66.2**	**56.5**	**17.1**	**35.1**	**38.5**	**23.5**	**44.3**
ZINC	2300	2300 N	70.5 J	26.5 J	64.2 J	24.8 J	96.2 J	66.4 J	8.9 J	36.9 J	34 J	11.1	17.8
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	3400 U	4600 J	3200 U	3700 J	3400 U	3300 U	3400 J	3400 U	3300 U	3200 U	3300 U
GASOLINE RANGE ORGANICS	230000	NC	55 U	57 U	53 U	54 U	55 U	53 U	57 U	55 U	54 U	53 U	55 U
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29 C	0.32 U	**0.79 J**	0.31 U	0.32 U	**0.36 J**	0.31 U	**0.49 J**	0.32 U	**0.31 J**	**0.32 J**	0.32 U
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-791	SB-792	SB-792	SB-792	SB-793	SB-793	SB-793	SB-794	SB-794	SB-794	SB-795
SAMPLE ID				D-SB-791-15	D-SB-792-11	D-SB-792-13	D-SB-792-15	D-SB-793-11	D-SB-793-13	D-SB-793-15	D-SB-794-11	D-SB-794-13	D-SB-794-15	D-SB-795-11
SAMPLE DATE				20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH				15	11	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)														
1,2,3-TRIMETHYLBENZENE	NC	NC		0.16 U	0.15 U	0.16 U	0.16 U	0.16 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.17 U
2-BUTANONE	4700000	2800000	N	1.3 U	1.2 U	1.3 U	2 J	1.3 U	1.3 U	1.3 U	1.2 U	1.2 U	1.2 U	1.4 U
ACETONE	7000000	6100000	N	11 B	130 B	38 B	170 B	5.8 U	5.7 U	5.6 U	5.5 U	5.5 U	8.1 B	16 B
BENZENE	12000	1100	C	0.21 U	0.2 U	0.21 U	0.22 U	0.21 U	0.21 U	0.21 U	0.2 U	0.2 U	0.2 U	0.23 U
CHLOROMETHANE	NC	12000	N	0.37 U	0.36 U	0.37 U	0.38 U	0.38 U	0.37 U	0.37 U	0.36 U	0.36 U	0.36 U	0.42 U
ETHYLBENZENE	780000	5400	C	0.24 U	0.23 U	0.24 U	0.24 U	0.24 U	0.24 U	0.23 U	0.23 U	0.23 U	0.23 U	0.26 U
M+P-XYLENES	1600000 [4]	63000	N[5]	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.2 U
METHYLENE CHLORIDE	85000	11000	C	0.9 B	1.1 B	0.77 B	1.9 B	0.62 U	0.61 U	0.6 U	0.58 U	0.59 U	0.59 U	1.2 B
NAPHTHALENE	160000	3600	C	0.83 B	0.8 B	0.79 B	0.87 B	0.18 U	0.17 U	0.17 U	0.17 U	0.75 B	0.77 B	0.88 B
O-XYLENE	1600000 [4]	380000	N	0.32 U	0.3 U	0.32 U	0.33 U	0.32 U	0.32 U	0.31 U	0.3 U	0.31 U	0.31 U	0.36 U
STYRENE	1600000	630000	N	0.14 U	0.13 U	0.14 U	0.14 U	0.14 U	0.14 U	0.13 U	0.13 U	0.13 U	0.13 U	0.15 U
TERT-AMYL METHYL ETHER	NC	NC		0.34 U	0.32 U	0.34 U	0.35 UJ	0.34 UJ	0.96 J	0.33 UJ	0.32 U	0.32 UJ	0.33 UJ	0.38 U
TOLUENE	630000	500000	N	0.25 U	0.23 U	0.25 U	0.25 U	0.25 U	0.24 U	0.24 U	0.23 U	0.24 U	0.24 U	0.27 U
TOTAL XYLENES	1600000 [4]	63000	N	0.61 U	0.58 U	0.61 U	0.63 U	0.62 U	0.61 U	0.6 U	0.58 U	0.59 U	0.59 U	0.68 U
TRICHLOROFLUOROMETHANE	NC	79000	N	0.31 U	0.3 U	0.31 U	0.32 U	0.35 J	0.31 U	0.3 U	0.3 U	0.3 U	0.3 U	0.35 U
SEMIVOLATILES (UG/KG)														
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	23 U	22 U	110	22 U	23 U	22 U	23 U	22 U	27 J	22 U	25 J
BUTYL BENZYL PHTHALATE	NC	260000	C	12 U	12 U	13 U	12 U	12 U	12 U	28 J	12 U	12 U	12 U	12 U
PHENOL	2300000	1800000	N	33 U	31 U	34 U	31 U	32 U	32 U	33 U	32 U	33 U	32 U	32 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
ACENAPHTHENE	470000	340000	N	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
ACENAPHTHYLENE	470000	340000	N[6]	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
ANTHRACENE	2300000	1700000	N	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
BAP EQUIVALENT-HALFND	22	15		4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
BAP EQUIVALENT-POS	22	15	C	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
BENZO(A)ANTHRACENE	220	150	C	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
BENZO(A)PYRENE	22	15	C	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
BENZO(B)FLUORANTHENE	220	150	C	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
BENZO(K)FLUORANTHENE	2200	1500	C	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.4 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
FLUORANTHENE	310000	230000	N	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
FLUORENE	310000	230000	N	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
NAPHTHALENE	160000	3600	C	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
PHENANTHRENE	2300000	170000	N[7]	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
PYRENE	230000	170000	N	4.1 U	3.8 U	4.1 U	3.8 U	3.9 U	3.9 U	4 U	3.9 U	4 U	3.9 U	3.9 U
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	0.68 J	0.14 B	0.83 J	0.043 B	0.28 B	0.17 B	0.12 B	0.074 B	0.36 J	0.17 B	0.085 B
ARSENIC	0.43	0.39	C	8.2 L	3.3 L	5 J	0.65 L	4.6 J	2.7 J	2.1 J	1.5 J	7 J	2.3 J	2.3 J
BARIUM	1600	1500	N	14.3	11.5	10.3	9	12.7	12.6	14.8	15.3	20.9	14.7	12.2
BERYLLIUM	16	16	N	3.5 J	2.1 J	6.4 J	0.99 J	2.3 J	1.5 J	1.4 J	0.78 J	2.7 J	1.4 J	0.38 J
CADMIUM	3.9	7	N	0.025 B	0.019 B	0.027 B	0.02 B	0.022 B	0.024 B	0.017 B	0.014 B	0.033 B	0.02 B	0.0093 UL
CHROMIUM	12000 [8]	12000	N[8]	56.1	26.3	54.8	12.1	26.5 J	18 J	17.8 J	9.6 J	26.4 J	22.6 J	12.4 J
COBALT	NC	2.3	N	13.5	8.7	13.6	5.4	15 J	11 J	11.9 J	6 J	14.6 J	10.6 J	1.7 J
COPPER	310	310	N	30.2	17.8	47.9	6.3	27.5 J	15.8 J	21.3 J	6.5 J	20.6 J	11 J	10.9 J
IRON	5500	5500	N	87200	34100	134000	6810	33500 J	22400 J	15400 J	9930 J	41800 J	23400 J	9260 J
LEAD	400	400		18.4	6.7	15.9	2.4	6.8	6.5	4.9	4.1	8.1	3	4.9
MANGANESE	160	180	N	23.8 J	20.8 J	31.1 J	5.8 J	20.5 J	10.2 J	7.1 J	20 J	50.8 J	20.6 J	11.4 J
MERCURY	2.3 [9]	2.3	N[10]	0.019 U	0.017 U	0.019 U	0.017 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
MOLYBDENUM	NC	39	N	1.5	0.54	1.5	0.11 B	0.65	0.44	0.24 B	0.09 B	0.63	0.32	0.087 B
NICKEL	160	150	N	27.9	16.1	37.5	8.5	28.5 J	18.7 J	23.3 J	12.1 J	35.2 J	23.5 J	3.9 J
SELENIUM	39	39	N	1.3 L	1 L	0.97 L	0.93 L	1 L	0.97 L	1.3 L	1.3 L	4.5 L	1.5 L	1.4 L
SILVER	39	39	N	0.02 U	0.021 B	0.02 B	0.019 U	0.024 B	0.019 U	0.02 U	0.019 U	0.026 B	0.021 B	0.019 U
THALLIUM	0.55	NC		0.1 J	0.06 J	0.068 J	0.057 J	0.093 J	0.091 J	0.14	0.094 J	0.11 J	0.096 J	0.12
VANADIUM	7.8	39	N[11]	102	55.7	111	14.9	54.7 J	35.1 J	28.1 J	15.5 J	45.7 J	31.1 J	14.6 J
ZINC	2300	2300	N	37.2	24.1	45.2	12.8	35.6 L	24 L	29 L	15.4 L	45.2 L	26.2 L	5.6 L
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		3500 U	4500 J	4800 J	8900 J	4000 J	3300 U	3400 U	3300 UJ	3400 UJ	3300 UJ	4800 J
GASOLINE RANGE ORGANICS	230000	NC		57 U	53 U	58 U	53 U	55 U	54 U	56 U	54 UJ	56 UJ	54 UJ	55 UJ
MISCELLANEOUS PARAMETERS (MG/KG)														
HEXAVALENT CHROMIUM	23	0.29	C	0.33 U	0.31 U	0.34 U	0.31 U	0.32 U	0.32 U	0.33 U	0.36 J	0.44 J	0.59 J	0.67 J
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-795	SB-795	SB-796	SB-796	SB-796
SAMPLE ID					D-SB-795-13	D-SB-795-15	D-SB-796-11	D-SB-796-13	D-SB-796-15
SAMPLE DATE					20100909	20100909	20100910	20100910	20100910
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB
TOP DEPTH					13	15	11	13	15
BOTTOM DEPTH					13	15	11	13	15
VOLATILES (UG/KG)									
1,2,3-TRIMETHYLBENZENE	NC		NC		0.17 U	0.18 U	0.14 U	0.15 U	0.14 U
2-BUTANONE	4700000		2800000	N	1.4 U	1.4 U	1.1 U	1.2 U	1.2 U
ACETONE	7000000		6100000	N	6.3 U	6.5 U	5.1 U	5.5 U	5.3 U
BENZENE	12000		1100	C	0.23 U	0.24 U	0.19 U	0.2 U	0.19 U
CHLOROMETHANE	NC		12000	N	0.41 U	0.42 U	0.33 U	0.36 U	0.34 U
ETHYLBENZENE	780000		5400	C	0.26 U	0.27 U	0.21 U	0.23 U	0.22 U
M+P-XYLENES	1600000	[4]	63000	N[5]	1.2 U	1.2 U	0.97 U	1.1 U	1 U
METHYLENE CHLORIDE	85000		11000	C	1.1 B	0.69 U	0.78 B	0.86 B	0.96 B
NAPHTHALENE	160000		3600	C	0.86 B	0.92 B	0.69 B	0.74 B	0.7 B
O-XYLENE	1600000	[4]	380000	N	0.35 U	0.36 U	0.28 U	0.31 U	0.29 U
STYRENE	1600000		630000	N	0.15 U	0.15 U	0.12 U	0.13 U	0.13 U
TERT-AMYL METHYL ETHER	NC		NC		0.37 U	0.38 UJ	0.3 U	0.32 U	0.31 U
TOLUENE	630000		500000	N	0.27 U	0.28 U	0.22 U	0.24 U	0.23 U
TOTAL XYLENES	1600000	[4]	63000	N	0.67 U	0.69 U	0.54 U	0.59 U	0.56 U
TRICHLOROFLUOROMETHANE	NC		79000	N	0.34 U	0.35 U	0.27 U	0.3 U	0.28 U
SEMIVOLATILES (UG/KG)									
BIS(2-ETHYLHEXYL)PHTHALATE	46000		35000	C	23 U	23 U	22 U	23 U	22 U
BUTYL BENZYL PHTHALATE	NC		260000	C	12 U	12 U	12 U	12 U	11 U
PHENOL	2300000		1800000	N	33 U	32 U	31 U	33 U	31 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	4 U	4 U	3.8 U	4 U	3.8 U
ACENAPHTHENE	470000		340000	N	4 U	4 U	3.8 U	4 U	3.8 U
ACENAPHTHYLENE	470000		340000	N[6]	4 U	4 U	3.8 U	4 U	3.8 U
ANTHRACENE	2300000		1700000	N	4 U	4 U	3.8 U	4 U	3.8 U
BAP EQUIVALENT-HALFND	22		15		4 U	4 U	3.8 U	4 U	3.8 U
BAP EQUIVALENT-POS	22		15	C	4 U	4 U	3.8 U	4 U	3.8 U
BENZO(A)ANTHRACENE	220		150	C	4 U	4 U	3.8 U	4 U	3.8 U
BENZO(A)PYRENE	22		15	C	4 U	4 U	3.8 U	4 U	3.8 U
BENZO(B)FLUORANTHENE	220		150	C	4 U	4 U	3.8 U	4 U	3.8 U
BENZO(G,H,I)PERYLENE	230000		170000	N[7]	4 U	4 U	3.8 U	4 U	3.8 U
BENZO(K)FLUORANTHENE	2200		1500	C	4 U	4 U	3.8 U	4 U	3.8 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22		15	C	4 U	4 U	3.8 U	4 U	3.8 U
FLUORANTHENE	310000		230000	N	4 U	4 U	3.8 U	4 U	3.8 U
FLUORENE	310000		230000	N	4 U	4 U	3.8 U	4 U	3.8 U
INDENO(1,2,3-CD)PYRENE	220		150	C	4 U	4 U	3.8 U	4 U	3.8 U
NAPHTHALENE	160000		3600	C	4 U	4 U	3.8 U	4 U	3.8 U
PHENANTHRENE	2300000		170000	N[7]	4 U	4 U	3.8 U	4 U	3.8 U
PYRENE	230000		170000	N	4 U	4 U	3.8 U	4 U	3.8 U
TOTAL PAHS	NC		NC		0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)									
ANTIMONY	3.1		3.1	N	0.42 J	0.24 B	0.065 J	0.029 U	0.2 J
ARSENIC	0.43		0.39	C	**4.2 J**	**3.2 J**	**1.3**	**0.43 J**	**7.3**
BARIUM	1600		1500	N	15	14	10.5	6.7	9.7
BERYLLIUM	16		16	N	2.4 J	1.7 J	0.91	0.48	0.71
CADMIUM	3.9		7	N	0.02 B	0.015 B	0.023 B	0.025 B	0.02 B
CHROMIUM	12000	[8]	12000	N[8]	32.7 J	25.5 J	17.3	3.7	3.5
COBALT	NC		2.3	N	**11.8 J**	**10 J**	**3.9**	**2.4**	**3.6**
COPPER	310		310	N	24.2 J	17.7 J	9.4	6.2	23.2
IRON	5500		5500	N	**39400 J**	**28500 J**	**11100**	1050	1610
LEAD	400		400		7.5	4.4	2.8	1.4	1.8
MANGANESE	160		180	N	52.1 J	41.9 J	5	2.9	3.6
MERCURY	2.3	[9]	2.3	N[10]	0.018 U	0.018 U	0.017 U	0.018 U	0.017 U
MOLYBDENUM	NC		39	N	0.58	0.42	0.16 J	0.077 U	0.078 J
NICKEL	160		150	N	30 J	24.5 J	8.5	4.1	5.7
SELENIUM	39		39	N	1.5 L	2.2 L	1 K	0.72 K	0.94 K
SILVER	39		39	N	0.02 U	0.019 U	0.018 U	0.02 U	0.029 J
THALLIUM	0.55		NC		0.14	0.1 J	0.052 B	0.041 B	0.08 B
VANADIUM	7.8		39	N[11]	**43.2 J**	**36.4 J**	**26.5**	4.2	2.6
ZINC	2300		2300	N	38 L	30.6 L	11	7.3	12.4
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	230000		NC		8300 J	3400 U	5000 J	3400 J	3200 U
GASOLINE RANGE ORGANICS	230000		NC		56 UJ	55 UJ	53 U	56 U	53 U
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	23		0.29	C	**0.62 J**	0.32 U	**0.56 J**	0.33 U	0.31 U
TOTAL ORGANIC CARBON	NC		NC		NA	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value is for xylenes.
5 - The value is for xylene, mixture.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - The value is for trivalent chromium.
9 - The value is for mercury (inorganic/mercuric dichloride).
10 - The value is for mercuric chloride.
11 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-001	SB-002	SB-003	SB-004	SB-004	SB-035	SB-036
SAMPLE ID	SB-1A-SS	SB-2A-01	SB-3A-SS	SB-04B-01	SB-4A-SS	SB-35-SS	SB-36-SS
SAMPLE DATE	20040921	20040920	20040920	20050512	20040921	20040917	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SS
TOP DEPTH	0	1	0	1	0	0	0
BOTTOM DEPTH	0	1	0	1	0	0	0
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,1,1-TRICHLOROETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,1,2-TRICHLOROETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,1-DICHLOROETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,1-DICHLOROETHENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,1-DICHLOROPROPENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,2,3-TRICHLOROBENZENE	6 U	6 U	5 U	NA	45	6 U	6 U
1,2,3-TRICHLOROPROPANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	6 U	5 U	NA	140	6 U	6 U
1,2,4-TRIMETHYLBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,2-DIBROMO-3-CHLOROPROPANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,2-DIBROMOETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,2-DICHLOROBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,2-DICHLOROETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,2-DICHLOROPROPANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,3,5-TRIMETHYLBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,3-DICHLOROBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,3-DICHLOROPROPANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
2-BUTANONE	56 U	59 U	53 U	NA	60 U	56 U	58 U
2-CHLOROETHYL VINYL ETHER	6 U	6 U	5 U	NA	6 U	6 U	6 U
2-CHLOROTOLUENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
2-HEXANONE	56 U	59 U	53 U	NA	60 U	56 U	58 U
4-CHLOROTOLUENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
4-ISOPROPYLTOLUENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
4-METHYL-2-PENTANONE	56 U	59 U	53 U	NA	60 U	56 U	58 U
ACETONE	56 U	59 U	53 U	NA	60 U	56 U	58 U
BENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
BROMOBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
BROMOCHLOROMETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
BROMODICHLOROMETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
BROMOFORM	6 U	6 U	5 U	NA	6 U	6 U	6 U
BROMOMETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
CARBON DISULFIDE	6 U	6 U	5 U	NA	6 U	6 U	6 U
CARBON TETRACHLORIDE	6 U	6 U	5 U	NA	6 U	6 U	6 U
CHLOROBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
CHLORODIBROMOMETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
CHLOROETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
CHLOROFORM	6 U	6 U	5 U	NA	6 U	6 U	6 U
CHLOROMETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
CIS-1,2-DICHLOROETHENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
CIS-1,3-DICHLOROPROPENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
DIBROMOMETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
DICHLORODIFLUOROMETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
M+P-XYLENES	11 U	12 U	11 U	NA	12 U	11 U	12 U
METHYL TERT-BUTYL ETHER	6 U	6 U	5 U	NA	6 U	6 U	6 U
METHYLENE CHLORIDE	6 U	9 J	8 J	NA	8 J	8 J	8 J
NAPHTHALENE	6 U	6 U	5 U	NA	58	6 U	6 U
N-BUTYLBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
N-PROPYLBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
O-XYLENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
SEC-BUTYLBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
STYRENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
TOLUENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
TRICHLOROETHENE	6 U	6 U	5 U	NA	6 U	6 U	6 U
TRICHLOROFLUOROMETHANE	6 U	6 U	5 U	NA	6 U	6 U	6 U
VINYL ACETATE	6 U	6 U	5 U	NA	6 U	6 U	6 U

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-001	SB-002	SB-003	SB-004	SB-004	SB-035	SB-036
SAMPLE ID	SB-1A-SS	SB-2A-01	SB-3A-SS	SB-04B-01	SB-4A-SS	SB-35-SS	SB-36-SS
SAMPLE DATE	20040921	20040920	20040920	20050512	20040921	20040917	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SS
TOP DEPTH	0	1	0	1	0	0	0
BOTTOM DEPTH	0	1	0	1	0	0	0
VINYL CHLORIDE	6 U	6 U	5 U	NA	6 U	6 U	6 U
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2,4,5-TRICHLOROPHENOL	940 U	980 U	9100 U	NA	990 U	950 U	990 U
2,4,6-TRICHLOROPHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2,4-DICHLOROPHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2,4-DIMETHYLPHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2,4-DINITROPHENOL	940 U	980 U	9100 U	NA	990 U	950 U	990 U
2,4-DINITROTOLUENE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2,6-DINITROTOLUENE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2-CHLORONAPHTHALENE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2-CHLOROPHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2-METHYLPHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
2-NITROANILINE	940 U	980 U	9100 U	NA	990 U	950 U	990 U
2-NITROPHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
3&4-METHYLPHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
3,3'-DICHLOROBENZIDINE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
3-NITROANILINE	940 U	980 U	9100 U	NA	990 U	950 U	990 U
4,6-DINITRO-2-METHYLPHENOL	870 U	900 U	8300 U	NA	910 U	870 U	910 U
4-BROMOPHENYL PHENYL ETHER	380 U	390 U	3600 U	NA	390 U	380 U	390 U
4-CHLORO-3-METHYLPHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
4-CHLOROANILINE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
4-CHLOROPHENYL PHENYL ETHER	380 U	390 U	3600 U	NA	390 U	380 U	390 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	940 U	980 U	9100 U	NA	990 U	950 U	990 U
4-NITROPHENOL	940 U	980 U	9100 U	NA	990 U	950 U	990 U
ACETOPHENONE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
BIS(2-CHLOROETHYL)ETHER	380 U	390 U	3600 U	NA	390 U	380 U	390 U
BIS(2-ETHYLHEXYL)PHTHALATE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
BUTYL BENZYL PHTHALATE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
CAPROLACTAM	140 J	390 U	3600 U	NA	390 U	380 U	390 U
CARBAZOLE	380 U	390 U	3600 U	NA	89 J	380 U	390 U
DIBENZOFURAN	380 U	390 U	3600 U	NA	250 J	380 U	390 U
DIETHYL PHTHALATE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
DIMETHYL PHTHALATE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
DI-N-BUTYL PHTHALATE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
DI-N-OCTYL PHTHALATE	380 U	390 U	3600 UJ	NA	390 U	380 U	390 U
HEXACHLOROBENZENE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
HEXACHLOROBUTADIENE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
HEXACHLOROCYCLOPENTADIENE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
HEXACHLOROETHANE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
ISOPHORONE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
NITROBENZENE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
N-NITROSODIPHENYLAMINE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
PENTACHLOROPHENOL	940 U	980 U	9100 U	NA	990 U	950 U	990 U
PHENOL	380 U	390 U	3600 U	NA	390 U	380 U	390 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	380 U	390 U	3600 U	NA	41 J	380 U	390 U
ACENAPHTHENE	380 U	390 U	3600 U	NA	180 J	380 U	390 U
ACENAPHTHYLENE	380 U	390 U	3600 U	NA	390 U	380 U	390 U
ANTHRACENE	380 U	390 U	3600 U	NA	220 J	380 U	390 U
BAP EQUIVALENT-HALFND	380 U	390 U	3600 U	NA	365	380 U	390 U
BAP EQUIVALENT-POS	380 U	390 U	3600 U	NA	170	380 U	390 U
BENZO(A)ANTHRACENE	380 U	390 U	3600 U	NA	240 J	380 U	390 U
BENZO(A)PYRENE	380 U	390 U	3600 UJ	NA	110 J	380 U	390 U
BENZO(B)FLUORANTHENE	380 U	390 U	3600 UJ	NA	220 J	380 U	390 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	380 U	390 U	3600 UJ	NA	170 J	380 U	390 U
BENZO(K)FLUORANTHENE	380 U	390 U	3600 UJ	NA	200 J	380 U	390 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

Table A-7
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Middle River, Maryland

LOCATION	SB-001	SB-002	SB-003	SB-004	SB-004	SB-035	SB-036
SAMPLE ID	SB-1A-SS	SB-2A-01	SB-3A-SS	SB-04B-01	SB-4A-SS	SB-35-SS	SB-36-SS
SAMPLE DATE	20040921	20040920	20040920	20050512	20040921	20040917	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SS
TOP DEPTH	0	1	0	1	0	0	0
BOTTOM DEPTH	0	1	0	1	0	0	0
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

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Middle River, Maryland

LOCATION	SB-001	SB-002	SB-003	SB-004	SB-004	SB-035	SB-036
SAMPLE ID	SB-1A-SS	SB-2A-01	SB-3A-SS	SB-04B-01	SB-4A-SS	SB-35-SS	SB-36-SS
SAMPLE DATE	20040921	20040920	20040920	20050512	20040921	20040917	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SS
TOP DEPTH	0	1	0	1	0	0	0
BOTTOM DEPTH	0	1	0	1	0	0	0
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	380 U	390 U	3600 U	NA	370 J	380 U	390 U
DIBENZO(A,H)ANTHRACENE	380 U	390 U	3600 UJ	NA	390 U	380 U	390 U
FLUORANTHENE	380 U	390 U	440 J	NA	1200	380 U	390 U
FLUORENE	380 U	390 U	3600 U	NA	150 J	380 U	390 U
INDENO(1,2,3-CD)PYRENE	380 U	390 U	3600 UJ	NA	120 J	380 U	390 U
NAPHTHALENE	380 U	390 U	3600 U	NA	50 J	380 U	390 U
PHENANTHRENE	380 U	390 U	3600 U	NA	2200	380 U	390 U
PYRENE	380 U	390 U	440 J	NA	1000	380 U	390 U
TOTAL PAHS	0 U	0 U	880	NA	6471	0 U	0 U
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	280 U	290 U	270 U	38 U	58000 U	280 U	290 U
AROCLOR-1221	280 U	290 U	270 U	38 U	58000 U	280 U	290 U
AROCLOR-1232	280 U	290 U	270 U	38 U	58000 U	280 U	290 U
AROCLOR-1242	280 U	290 U	270 U	38 U	58000 U	280 U	290 U
AROCLOR-1248	280 U	290 U	270 U	38 U	58000 U	280 U	290 U
AROCLOR-1254	280 U	290 U	270 U	38 U	58000 U	280 U	290 U
AROCLOR-1260	280 U	290 U	350	38 U	180000	280 U	290 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	350	0 U	180000	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	2.8 UL	2.9 U	2.4 U	NA	2.7 UL	2.5 U	2.9 U
ARSENIC	1.1	0.98	1.5	NA	1.5	0.92	1.2
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	2.8 U	2.9 U	2.4 U	NA	2.7 U	2.5 U	2.9 U
CADMIUM	2.8 U	2.9 U	2.4 U	NA	2.7 U	2.5 U	2.9 U
CHROMIUM	19 J	10 K	15	NA	18 J	6.6 K	15
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	8.2	15	13	NA	11	4.4 L	14
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	3	2.9 UJ	82 J	NA	8.9	3.9 J	4.7 J
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.11 U	0.11 U	0.098 U	NA	0.12	0.1 U	0.12 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	6.5	7.5	20	NA	14	4.3 K	10
SELENIUM	2.8 U	2.9 U	2.4 U	NA	2.7 U	2.5 U	2.9 U
SILVER	2.8 UR	2.9 UL	2.4 UL	NA	2.7 UR	2.5 UL	2.9 UL
THALLIUM	2.2 U	2.3 UL	2 UL	NA	2.2 U	2 UL	2.3 UL
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	28 UL	29 UL	110 L	NA	27 UL	25 UL	29 UL
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	11000 U	12000 U	11000 U	NA	330000	11000 U	13000
GASOLINE RANGE ORGANICS	110 U	120 U	110 U	NA	830	120 U	120 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-001	SB-002	SB-003	SB-004	SB-004	SB-035	SB-036
SAMPLE ID	SB-1A-SS	SB-2A-01	SB-3A-SS	SB-04B-01	SB-4A-SS	SB-35-SS	SB-36-SS
SAMPLE DATE	20040921	20040920	20040920	20050512	20040921	20040917	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SS
TOP DEPTH	0	1	0	1	0	0	0
BOTTOM DEPTH	0	1	0	1	0	0	0
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-041	SB-042	SB-169	SB-232	SB-232	SB-233	SB-233	SB-234	SB-234
SAMPLE ID	SB-41S-SS	SB-42S-SS	SB-169-SS	SB-232-01	SB-232-SS	SB-233-01	SB-233-SS	SB-234-01	SB-234-SS
SAMPLE DATE	20041105	20041105	20041105	20050512	20050512	20050512	20050512	20050512	20050512
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	1	0	1	0	1	0
BOTTOM DEPTH	0	0	0	1	0	1	0	1	0
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-041	SB-042	SB-169	SB-232	SB-232	SB-233	SB-233	SB-234	SB-234
SAMPLE ID	SB-41S-SS	SB-42S-SS	SB-169-SS	SB-232-01	SB-232-SS	SB-233-01	SB-233-SS	SB-234-01	SB-234-SS
SAMPLE DATE	20041105	20041105	20041105	20050512	20050512	20050512	20050512	20050512	20050512
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	1	0	1	0	1	0
BOTTOM DEPTH	0	0	0	1	0	1	0	1	0
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-041	SB-042	SB-169	SB-232	SB-232	SB-233	SB-233	SB-234	SB-234
SAMPLE ID	SB-41S-SS	SB-42S-SS	SB-169-SS	SB-232-01	SB-232-SS	SB-233-01	SB-233-SS	SB-234-01	SB-234-SS
SAMPLE DATE	20041105	20041105	20041105	20050512	20050512	20050512	20050512	20050512	20050512
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	1	0	1	0	1	0
BOTTOM DEPTH	0	0	0	1	0	1	0	1	0
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-041	SB-042	SB-169	SB-232	SB-232	SB-233	SB-233	SB-234	SB-234
SAMPLE ID	SB-41S-SS	SB-42S-SS	SB-169-SS	SB-232-01	SB-232-SS	SB-233-01	SB-233-SS	SB-234-01	SB-234-SS
SAMPLE DATE	20041105	20041105	20041105	20050512	20050512	20050512	20050512	20050512	20050512
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	1	0	1	0	1	0
BOTTOM DEPTH	0	0	0	1	0	1	0	1	0
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	39 U	37 U	39 U	37 U	39 U	37 U
AROCLOR-1221	NA	NA	NA	39 U	37 U	39 U	37 U	39 U	37 U
AROCLOR-1232	NA	NA	NA	39 U	37 U	39 U	37 U	39 U	37 U
AROCLOR-1242	NA	NA	NA	39 U	37 U	39 U	32 J	39 U	37 U
AROCLOR-1248	NA	NA	NA	39 U	37 U	39 U	37 U	39 U	37 U
AROCLOR-1254	NA	NA	NA	39 U	37 U	39 U	37 U	39 U	37 U
AROCLOR-1260	NA	NA	NA	94	140	39 U	80	8.5 J	1070
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	94	140	0 U	112	8.5	1070
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-041	SB-042	SB-169	SB-232	SB-232	SB-233	SB-233	SB-234	SB-234
SAMPLE ID	SB-41S-SS	SB-42S-SS	SB-169-SS	SB-232-01	SB-232-SS	SB-233-01	SB-233-SS	SB-234-01	SB-234-SS
SAMPLE DATE	20041105	20041105	20041105	20050512	20050512	20050512	20050512	20050512	20050512
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	1	0	1	0	1	0
BOTTOM DEPTH	0	0	0	1	0	1	0	1	0
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	0.03 U	1.02	0.15 U	NA	NA	NA	NA	NA	NA
ALUMINUM-26	-0.1 U	0.043 U	-0.05 U	NA	NA	NA	NA	NA	NA
AMERICIUM-241	-0.41 U	0 U	-0.11 U	NA	NA	NA	NA	NA	NA
ANTIMONY-124	0.01 U	0.12 U	-0.13 U	NA	NA	NA	NA	NA	NA
ANTIMONY-125	-0.01 U	0.07 U	0.13 U	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	0.39 U	0.17 U	-0.9 U	NA	NA	NA	NA	NA	NA
BISMUTH-212	0.1 U	2.3	0.1 U	NA	NA	NA	NA	NA	NA
BISMUTH-214	0.1 UJ	0.67 J	0.38 UJ	NA	NA	NA	NA	NA	NA
CERIUM-139	0.026 U	-0.014 U	0.05 U	NA	NA	NA	NA	NA	NA
CERIUM-144	-0.22 U	-0.55 U	0.07 U	NA	NA	NA	NA	NA	NA
CESIUM-134	0.01 U	-0.28 U	0.01 U	NA	NA	NA	NA	NA	NA
CESIUM-137	0.145	-0.048 U	0.08 U	NA	NA	NA	NA	NA	NA
CHROMIUM-51	-0.5 U	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA
COBALT-56	0.08 U	0.19 U	0.05 U	NA	NA	NA	NA	NA	NA
COBALT-57	0.008 U	-0.055 U	0 U	NA	NA	NA	NA	NA	NA
COBALT-58	-0.14 U	0.03 U	0.22 UJ	NA	NA	NA	NA	NA	NA
COBALT-60	0.065 U	0.018 U	0 U	NA	NA	NA	NA	NA	NA
EUROPIUM-152	-0.02 U	0.01 U	-0.56 U	NA	NA	NA	NA	NA	NA
EUROPIUM-154	-0.13 U	0.08 U	0.38 U	NA	NA	NA	NA	NA	NA
EUROPIUM-155	0.24 U	0 U	0.1 U	NA	NA	NA	NA	NA	NA
IODINE-131	0.4 U	-0.23 U	0.1 U	NA	NA	NA	NA	NA	NA
IRON-59	-0.16 U	-0.16 U	0.47 UJ	NA	NA	NA	NA	NA	NA
LEAD-212	0.3	1.2	0.3 UJ	NA	NA	NA	NA	NA	NA
LEAD-214	0.25 UJ	1.09 J	0.42 J	NA	NA	NA	NA	NA	NA
MANGANESE-54	-0.022 U	0.037 U	0.07 U	NA	NA	NA	NA	NA	NA
NIOBIUM-94	-0.027 U	0.07 U	-0.14 U	NA	NA	NA	NA	NA	NA
NIOBIUM-95	0.01 U	-0.03 U	-0.07 U	NA	NA	NA	NA	NA	NA
POTASSIUM-40	4.4	9.2	3.4	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	-2 U	-7 U	9 U	NA	NA	NA	NA	NA	NA
RADIUM-226	0.32 UJ	1.22 J	0.51 UJ	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	0.38 U	-0.46 U	0.5 U	NA	NA	NA	NA	NA	NA
SCANDIUM-46	-0.006 U	-0.07 U	0.14 U	NA	NA	NA	NA	NA	NA
SILVER-110	-0.101 U	0.005 U	-0.01 U	NA	NA	NA	NA	NA	NA
SODIUM-22	-0.038 U	0.018 U	0 U	NA	NA	NA	NA	NA	NA
THALLIUM-208	0.075 U	0.39	0.1 U	NA	NA	NA	NA	NA	NA
THORIUM-227	-0.44 U	-0.59 U	0.22 U	NA	NA	NA	NA	NA	NA
THORIUM-234	-0.1 U	0.7 U	-0.6 U	NA	NA	NA	NA	NA	NA
URANIUM-235	-0.3 U	-0.45 U	-0.22 U	NA	NA	NA	NA	NA	NA
ZINC-65	-0.16 U	0.4 UJ	0.06 U	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-235	SB-235	SB-345	SB-346	SB-347	SB-348	SB-349	SB-350	SB-351
SAMPLE ID	SB-235-01	SB-235-SS	SB-345-0001	SB-346-0001	SB-347-0001	SB-348-0001	SB-349-0001	SB-350-0001	SB-351-0001
SAMPLE DATE	20050512	20050512	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	0	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-235	SB-235	SB-345	SB-346	SB-347	SB-348	SB-349	SB-350	SB-351
SAMPLE ID	SB-235-01	SB-235-SS	SB-345-0001	SB-346-0001	SB-347-0001	SB-348-0001	SB-349-0001	SB-350-0001	SB-351-0001
SAMPLE DATE	20050512	20050512	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	0	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-235	SB-235	SB-345	SB-346	SB-347	SB-348	SB-349	SB-350	SB-351
SAMPLE ID	SB-235-01	SB-235-SS	SB-345-0001	SB-346-0001	SB-347-0001	SB-348-0001	SB-349-0001	SB-350-0001	SB-351-0001
SAMPLE DATE	20050512	20050512	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	0	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-235	SB-235	SB-345	SB-346	SB-347	SB-348	SB-349	SB-350	SB-351
SAMPLE ID	SB-235-01	SB-235-SS	SB-345-0001	SB-346-0001	SB-347-0001	SB-348-0001	SB-349-0001	SB-350-0001	SB-351-0001
SAMPLE DATE	20050512	20050512	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	0	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	37 U	37 U	35 U	390 U	2100 U	4200 U	4400 U	8200 U	4100 U
AROCLOR-1221	37 U	37 U	35 U	390 U	2100 U	4200 U	4400 U	8200 U	4100 U
AROCLOR-1232	37 U	37 U	35 U	390 U	2100 U	4200 U	4400 U	8200 U	4100 U
AROCLOR-1242	37 U	58	35 U	390 U	2100 U	4200 U	4400 U	8200 U	4100 U
AROCLOR-1248	37 U	37 U	35 U	390 U	2100 U	4200 U	4400 U	8200 U	4100 U
AROCLOR-1254	37 U	37 U	35 U	390 U	2100 U	4200 U	4400 U	8200 U	4100 U
AROCLOR-1260	37 U	108	260	1700	7100	34000	24000	55000	21000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	166	260	1700	7100	34000	24000	55000	21000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	94.6	85.3	79.1	78.1	75.6	80.1	81.2
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-235	SB-235	SB-345	SB-346	SB-347	SB-348	SB-349	SB-350	SB-351
SAMPLE ID	SB-235-01	SB-235-SS	SB-345-0001	SB-346-0001	SB-347-0001	SB-348-0001	SB-349-0001	SB-350-0001	SB-351-0001
SAMPLE DATE	20050512	20050512	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	0	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-352	SB-353	SB-354	SB-355	SB-356	SB-357	SB-358	SB-359	SB-360
SAMPLE ID	SB-352-0001	SB-353-0001	SB-354-0001	SB-355-0001	SB-356-0001	SB-357-0001	SB-358-0001	SB-359-0001	SB-360-0001
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-352	SB-353	SB-354	SB-355	SB-356	SB-357	SB-358	SB-359	SB-360
SAMPLE ID	SB-352-0001	SB-353-0001	SB-354-0001	SB-355-0001	SB-356-0001	SB-357-0001	SB-358-0001	SB-359-0001	SB-360-0001
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Middle River, Maryland

LOCATION	SB-352	SB-353	SB-354	SB-355	SB-356	SB-357	SB-358	SB-359	SB-360
SAMPLE ID	SB-352-0001	SB-353-0001	SB-354-0001	SB-355-0001	SB-356-0001	SB-357-0001	SB-358-0001	SB-359-0001	SB-360-0001
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Middle River, Maryland

LOCATION	SB-352	SB-353	SB-354	SB-355	SB-356	SB-357	SB-358	SB-359	SB-360
SAMPLE ID	SB-352-0001	SB-353-0001	SB-354-0001	SB-355-0001	SB-356-0001	SB-357-0001	SB-358-0001	SB-359-0001	SB-360-0001
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	2800 U	740000 U	83000 U	21000 U	4500 U	2100 U	3900 U	750 U	3900 U
AROCLOR-1221	2800 U	740000 U	83000 U	21000 U	4500 U	2100 U	3900 U	750 U	3900 U
AROCLOR-1232	2800 U	740000 U	83000 U	21000 U	4500 U	2100 U	3900 U	750 U	3900 U
AROCLOR-1242	2800 U	740000 U	83000 U	21000 U	4500 U	2100 U	3900 U	750 U	3900 U
AROCLOR-1248	2800 U	740000 U	83000 U	21000 U	4500 U	2100 U	3900 U	750 U	3900 U
AROCLOR-1254	2800 U	740000 U	83000 U	21000 U	4500 U	2100 U	3900 U	750 U	3900 U
AROCLOR-1260	19000	1800000	400000	96000	25000	12000	27000	3700	27000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	19000	1800000	400000	96000	25000	12000	27000	3700	27000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	58.9	89.2	79.1	80.3	73.6	77.5	84.2	88.5	84.4
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Middle River, Maryland

LOCATION	SB-352	SB-353	SB-354	SB-355	SB-356	SB-357	SB-358	SB-359	SB-360
SAMPLE ID	SB-352-0001	SB-353-0001	SB-354-0001	SB-355-0001	SB-356-0001	SB-357-0001	SB-358-0001	SB-359-0001	SB-360-0001
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-361	SB-362	SB-363	SB-364	SB-500	SB-501	SB-502	SB-503	SB-503
SAMPLE ID	SB-361-0001	SB-362-0001	SB-363-0001	SB-364-0001	SB-500-0001	SB-501-0001	SB-502-0001	SB-503-0001	SB-503-0001-AVG
SAMPLE DATE	20071102	20071102	20071102	20071102	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	0.65 B	5.8 UJ	6.15 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	0.2 J	0.35 J	0.35 J
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	0.76 B	5.8 U	3.1 B	1 B	3.75 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	0.89 B	0.94 B	1 B	1.9 B	4.2 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	11 U	12 U	12 U	12 UJ	12.5 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
2-BUTANONE	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U
2-CHLOROTOLUENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
2-HEXANONE	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U
4-CHLOROTOLUENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U
ACETONE	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U
BENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
BROMOBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
BROMOFORM	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
BROMOMETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CARBON DISULFIDE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CHLOROBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CHLOROETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CHLOROFORM	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CHLOROMETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
DIBROMOMETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
DIISOPROPYL ETHER	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
ETHYLBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
ISOPROPYLBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
M+P-XYLENES	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U
METHYLENE CHLORIDE	NA	NA	NA	NA	2.5 B	2.8 B	2.4 B	3.6 B	3.4 U
NAPHTHALENE	NA	NA	NA	NA	3.2 B	5.8 U	0.87 B	11 B	8.75 U
N-BUTYLBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
N-PROPYLBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
O-XYLENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	0.43 J	0.43 J
SEC-BUTYLBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
STYRENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
TERT-BUTYLBENZENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 UJ	6.15 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	110 UR	120 UR	120 UR	120 UR	125 R
TETRACHLOROETHENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
TOLUENE	NA	NA	NA	NA	5.7 U	0.37 J	5.9 U	0.46 J	0.46 J
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	1.2 J	12 U	12 U	1.1 J	1.1 J
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
TRICHLOROETHENE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
VINYL ACETATE	NA	NA	NA	NA	11 U	12 U	12 U	12 U	12.5 U

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-361	SB-362	SB-363	SB-364	SB-500	SB-501	SB-502	SB-503	SB-503
SAMPLE ID	SB-361-0001	SB-362-0001	SB-363-0001	SB-364-0001	SB-500-0001	SB-501-0001	SB-502-0001	SB-503-0001	SB-503-0001-AVG
SAMPLE DATE	20071102	20071102	20071102	20071102	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	5.7 U	5.8 U	5.9 U	5.8 U	6.15 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2,4-DINITROPHENOL	NA	NA	NA	NA	1100 U	15000 U	3900 U	12000 U	6425 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2-CHLOROPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2-METHYLPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
2-NITROANILINE	NA	NA	NA	NA	1100 U	15000 U	3900 U	12000 U	6425 U
2-NITROPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
3-NITROANILINE	NA	NA	NA	NA	1100 U	15000 U	3900 U	12000 U	6425 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
4-CHLOROANILINE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
4-METHYLPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
4-NITROANILINE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
4-NITROPHENOL	NA	NA	NA	NA	1100 U	15000 U	3900 U	12000 U	6425 U
ACETOPHENONE	NA	NA	NA	NA	110 U	1500 U	390 U	1200 U	643 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	37 J
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
CAPROLACTAM	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
CARBAZOLE	NA	NA	NA	NA	27 J	7600 U	2000 U	430 J	256
DIBENZOFURAN	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	34 J
DIETHYL PHTHALATE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
HEXACHLOROBENZENE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
HEXACHLOROETHANE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
ISOPHORONE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
NITROBENZENE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
PENTACHLOROPHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
PHENOL	NA	NA	NA	NA	560 U	7600 U	2000 U	5800 U	3115 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	560 U	7600 U	2000 U	190 J	105
ACENAPHTHENE	NA	NA	NA	NA	25 J	7600 U	2000 U	470 J	277
ACENAPHTHYLENE	NA	NA	NA	NA	13 J	7600 U	84 J	330 J	183
ANTHRACENE	NA	NA	NA	NA	78 J	7600 U	360 J	1500 J	835
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	542	4477	5574	10999	5944
BAP EQUIVALENT-POS	NA	NA	NA	NA	542	259	5574	10999	5944
BENZO(A)ANTHRACENE	NA	NA	NA	NA	280 J	240 J	4000	7300	3955
BENZO(A)PYRENE	NA	NA	NA	NA	340 J	190 J	3900	7600	4100
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	520 J	450 J	4500	8100	4450
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	360 J	7600 U	2100	5000 J	2685
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	210 J	7600 U	2100	3100 J	1705
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-361	SB-362	SB-363	SB-364	SB-500	SB-501	SB-502	SB-503	SB-503
SAMPLE ID	SB-361-0001	SB-362-0001	SB-363-0001	SB-364-0001	SB-500-0001	SB-501-0001	SB-502-0001	SB-503-0001	SB-503-0001-AVG
SAMPLE DATE	20071102	20071102	20071102	20071102	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-361	SB-362	SB-363	SB-364	SB-500	SB-501	SB-502	SB-503	SB-503
SAMPLE ID	SB-361-0001	SB-362-0001	SB-363-0001	SB-364-0001	SB-500-0001	SB-501-0001	SB-502-0001	SB-503-0001	SB-503-0001-AVG
SAMPLE DATE	20071102	20071102	20071102	20071102	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	300 J	220 J	3400	7700	4160
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	90 J	7600 U	590 J	1400 J	755
FLUORANTHENE	NA	NA	NA	NA	570	450 J	6100	14000	7650
FLUORENE	NA	NA	NA	NA	19 J	7600 U	2000 U	580 J	327.5
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	300 J	7600 U	2100	4200 J	2275
NAPHTHALENE	NA	NA	NA	NA	560 U	7600 U	2000 U	180 J	102
PHENANTHRENE	NA	NA	NA	NA	220 J	200 J	650 J	5600 J	3135
PYRENE	NA	NA	NA	NA	460 J	370 J	5400	16000	8500
TOTAL PAHS	NA	NA	NA	NA	3785	2120	35284	83250	45199.5
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	38000 U	800 U	4400 U	2100 U	37 U	7600 U	390 U	390 U	216.5 U
AROCLOR-1221	38000 U	800 U	4400 U	2100 U	37 U	7600 U	390 U	390 U	216.5 U
AROCLOR-1232	38000 U	800 U	4400 U	2100 U	37 U	7600 U	390 U	390 U	216.5 U
AROCLOR-1242	38000 U	800 U	4400 U	2100 U	37 U	7600 U	390 U	390 U	216.5 U
AROCLOR-1248	38000 U	800 U	4400 U	2100 U	37 U	7600 U	390 U	390 U	216.5 U
AROCLOR-1254	38000 U	800 U	4400 U	2100 U	37 U	7600 U	390 U	390 U	216.5 U
AROCLOR-1260	140000	5000	24000	12000	47	58000	1200	1700	910
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	140000	5000	24000	12000	47	58000	1200	1700	910
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	0.16 B	0.55 J	0.12 B	2.2 J	1.345
ARSENIC	NA	NA	NA	NA	1.3 L	3.4 L	1.8 L	2.6 L	2.45
BARIUM	NA	NA	NA	NA	25.7	34.5	34	121 J	82.1
BERYLLIUM	NA	NA	NA	NA	0.36	0.76	0.29	0.88 J	0.6
CADMIUM	NA	NA	NA	NA	0.2	0.2	0.19	1.5 J	1.16
CHROMIUM	NA	NA	NA	NA	9.9 K	13.8 K	8.4 K	33.4 J	25.7
COBALT	NA	NA	NA	NA	2.7 J	4.8 J	2.2 J	5 J	4.05
COPPER	NA	NA	NA	NA	7 J	7.9 J	5.6 J	12.7 J	12.1
IRON	NA	NA	NA	NA	13200	13800	5610	13300	10655
LEAD	NA	NA	NA	NA	15.9 J	12.3 J	20.4 J	68.2 J	53.1
MANGANESE	NA	NA	NA	NA	48.8 L	53.2 L	81.6 L	1370 J	787.5
MERCURY	NA	NA	NA	NA	0.019 U	0.061	0.02 U	0.019 U	0.12975
MOLYBDENUM	NA	NA	NA	NA	0.34 B	0.42 B	0.22 B	0.59 J	0.3775
NICKEL	NA	NA	NA	NA	4.8	6.7	5.8	11	8.8
SELENIUM	NA	NA	NA	NA	0.29 L	0.26 L	0.19 UL	0.25 L	0.245
SILVER	NA	NA	NA	NA	0.04	0.081	0.056	0.23	0.235
THALLIUM	NA	NA	NA	NA	0.063 B	0.1	0.032 B	0.069 B	0.05875
VANADIUM	NA	NA	NA	NA	13.2	20.9	12.4	53.4	42.65
ZINC	NA	NA	NA	NA	42.7 J	36.1 J	39.7 J	175 J	127.8
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	18000 B	61000 J	130000	650000	347500
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	87.3	82.4	74.3	78.6	88.1	86.7	84.4	85.6	81.4
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-361	SB-362	SB-363	SB-364	SB-500	SB-501	SB-502	SB-503	SB-503
SAMPLE ID	SB-361-0001	SB-362-0001	SB-363-0001	SB-364-0001	SB-500-0001	SB-501-0001	SB-502-0001	SB-503-0001	SB-503-0001-AVG
SAMPLE DATE	20071102	20071102	20071102	20071102	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-503	SB-504	SB-505	SB-506	SB-506	SB-506	SB-507	SB-508	SB-509
SAMPLE ID	SB-503-0001-D	SB-504-0001	SB-505-0001	SB-506-0001	SB-506-0001-AVG	SB-506-0001-D	SB-507-0001	SB-508-0001	SB-509-0001
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071129
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,1,1-TRICHLOROETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,1,2,2-TETRACHLOROETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,1-DICHLOROETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,1-DICHLOROETHENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,1-DICHLOROPROPENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,2,3-TRICHLOROBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,2,3-TRICHLOROPROPANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,2,3-TRIMETHYLBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,2,4-TRICHLOROBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,2,4-TRIMETHYLBENZENE	6.5 U	5.5 U	6 U	5.7 U	3.31 U	0.92 B	5.8 U	5.8 U	5.8 U
1,2-DIBROMO-3-CHLOROPROPANE	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
1,2-DIBROMOETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,2-DICHLOROBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,2-DICHLOROETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,2-DICHLOROPROPANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,3-DICHLOROPROPANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
2-BUTANONE	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
2-CHLOROETHYL VINYL ETHER	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
2-CHLOROTOLUENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
2-HEXANONE	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
4-CHLOROTOLUENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
4-ISOPROPYLTOLUENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
4-METHYL-2-PENTANONE	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
ACETONE	13 U	7.3 J	12 U	11 U	11.5 U	12 U	13 J	21 J	12 U
BENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
BROMOBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
BROMOCHLOROMETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
BROMODICHLOROMETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
BROMOFORM	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
BROMOMETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
CARBON DISULFIDE	6.5 U	0.82 J	6 U	0.95 J	0.95 J	5.8 U	5.8 U	5.8 U	5.8 U
CARBON TETRACHLORIDE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
CHLOROBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
CHLORODIBROMOMETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
CHLOROETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
CHLOROFORM	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
CHLOROMETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
CIS-1,2-DICHLOROETHENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
CIS-1,3-DICHLOROPROPENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
DIBROMOMETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
DICHLORODIFLUOROMETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
DIISOPROPYL ETHER	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
ETHYL TERT-BUTYL ETHER	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
ETHYLBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
ISOPROPYLBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
M+P-XYLENES	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
METHYL TERT-BUTYL ETHER	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	3.2 B	1.6 B	1.7 B	2 B	2.05 U	2.1 B	5.1 B	7.1 B	5 B
NAPHTHALENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
N-BUTYLBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
N-PROPYLBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
O-XYLENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
SEC-BUTYLBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
STYRENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
TERT-AMYL METHYL ETHER	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
TERT-BUTYLBENZENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
TERTIARY-BUTYL ALCOHOL	130 UR	110 UR	120 UR	110 UR	115 R	120 UR	120 UR	120 UR	120 UR
TETRACHLOROETHENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
TOLUENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 U
TRANS-1,2-DICHLOROETHENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
TRANS-1,3-DICHLOROPROPENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
TRICHLOROETHENE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
TRICHLOROFLUOROMETHANE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
VINYL ACETATE	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U	12 U	12 UJ

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-503	SB-504	SB-505	SB-506	SB-506	SB-506	SB-507	SB-508	SB-509
SAMPLE ID	SB-503-0001-D	SB-504-0001	SB-505-0001	SB-506-0001	SB-506-0001-AVG	SB-506-0001-D	SB-507-0001	SB-508-0001	SB-509-0001
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071129
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U	5.8 U	5.8 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2,4,5-TRICHLOROPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2,4,6-TRICHLOROPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2,4-DICHLOROPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2,4-DIMETHYLPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2,4-DINITROPHENOL	850 U	720 U	800 U	750 U	755 U	760 U	770 U	770 U	760 U
2,4-DINITROTOLUENE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2,6-DINITROTOLUENE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2-CHLORONAPHTHALENE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2-CHLOROPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2-METHYLPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
2-NITROANILINE	850 U	720 U	800 U	750 U	755 U	760 U	770 U	770 U	760 U
2-NITROPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
3-NITROANILINE	850 U	720 U	800 U	750 U	755 U	760 U	770 U	770 U	760 U
4,6-DINITRO-2-METHYLPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
4-BROMOPHENYL PHENYL ETHER	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
4-CHLORO-3-METHYLPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
4-CHLOROANILINE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
4-CHLOROPHENYL PHENYL ETHER	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
4-METHYLPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
4-NITROANILINE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
4-NITROPHENOL	850 U	720 U	800 U	750 U	755 U	760 U	770 U	770 U	760 U
ACETOPHENONE	86 U	73 U	80 U	76 U	76.5 U	77 U	78 U	78 U	77 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
BIS(2-CHLOROETHYL)ETHER	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
BIS(2-ETHYLHEXYL)PHTHALATE	37 J	360 U	93 J	380 U	24 J	24 J	37 J	58 J	380 U
BUTYL BENZYL PHTHALATE	430 U	360 U	400 U	380 U	380 U	380 U	120 J	380 U	380 U
CAPROLACTAM	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
CARBAZOLE	82 J	360 U	73 J	380 U	380 U	380 U	380 U	380 U	380 U
DIBENZOFURAN	34 J	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
DIETHYL PHTHALATE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
DIMETHYL PHTHALATE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
DI-N-BUTYL PHTHALATE	430 U	360 U	28 J	380 U	380 U	380 U	380 U	380 U	380 U
DI-N-OCTYL PHTHALATE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
HEXACHLOROBENZENE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
HEXACHLOROBUTADIENE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
HEXACHLOROCYCLOPENTADIENE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
HEXACHLOROETHANE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
ISOPHORONE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
NITROBENZENE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
N-NITROSODIMETHYLAMINE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
N-NITROSO-DI-N-PROPYLAMINE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
N-NITROSODIPHENYLAMINE	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
PENTACHLOROPHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
PHENOL	430 U	360 U	400 U	380 U	380 U	380 U	380 U	380 U	380 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	20 J	360 U	9.8 J	380 U	380 U	380 U	380 U	26 J	380 U
ACENAPHTHENE	84 J	7.5 J	45 J	380 U	380 U	380 U	380 U	380 U	380 U
ACENAPHTHYLENE	36 J	360 U	13 J	380 U	380 U	380 U	380 U	380 U	380 U
ANTHRACENE	170 J	16 J	95 J	380 U	380 U	380 U	380 U	380 U	380 U
BAP EQUIVALENT-HALFND	890	306	827	380 U	380 U	380 U	229	380 U	380 U
BAP EQUIVALENT-POS	890	126	827	380 U	380 U	380 U	18	380 U	380 U
BENZO(A)ANTHRACENE	610	93 J	530	380 U	380 U	380 U	12 J	380 U	380 U
BENZO(A)PYRENE	600	95 J	560	380 U	380 U	380 U	14 J	380 U	380 U
BENZO(B)FLUORANTHENE	800	150 J	770	380 U	380 U	380 U	25 J	380 U	380 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	370 J	67 J	360 J	380 U	380 U	380 U	8 J	380 U	380 U
BENZO(K)FLUORANTHENE	310 J	71 J	330 J	380 U	380 U	380 U	380 U	380 U	380 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-503	SB-504	SB-505	SB-506	SB-506	SB-506	SB-507	SB-508	SB-509
SAMPLE ID	SB-503-0001-D	SB-504-0001	SB-505-0001	SB-506-0001	SB-506-0001-AVG	SB-506-0001-D	SB-507-0001	SB-508-0001	SB-509-0001
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071129
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Middle River, Maryland

LOCATION	SB-503	SB-504	SB-505	SB-506	SB-506	SB-506	SB-507	SB-508	SB-509
SAMPLE ID	SB-503-0001-D	SB-504-0001	SB-505-0001	SB-506-0001	SB-506-0001-AVG	SB-506-0001-D	SB-507-0001	SB-508-0001	SB-509-0001
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071129
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	620	100 J	480	380 U	380 U	380 U	14 J	380 U	380 U
DIBENZO(A,H)ANTHRACENE	110 J	360 U	100 J	380 U	380 U	380 U	380 U	380 U	380 U
FLUORANTHENE	1300	220 J	1100	380 U	380 U	380 U	19 J	380 U	380 U
FLUORENE	75 J	360 U	35 J	380 U	380 U	380 U	380 U	380 U	380 U
INDENO(1,2,3-CD)PYRENE	350 J	59 J	330 J	380 U	380 U	380 U	380 U	380 U	380 U
NAPHTHALENE	24 J	360 U	13 J	380 U	380 U	380 U	380 U	10 J	380 U
PHENANTHRENE	670	74 J	570	380 U	380 U	380 U	9.4 J	17 J	380 U
PYRENE	1000	170 J	810	380 U	380 U	380 U	16 J	380 U	380 U
TOTAL PAHS	7149	1122.5	6150.8	0 U	0 U	0 U	117.4	53	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	43 U	180 U	20000 U	38 U	38 U	38 U	38 U	38 U	38 U
AROCLOR-1221	43 U	180 U	20000 U	38 U	38 U	38 U	38 U	38 U	38 U
AROCLOR-1232	43 U	180 U	20000 U	38 U	38 U	38 U	38 U	38 U	38 U
AROCLOR-1242	43 U	180 U	20000 U	38 U	38 U	38 U	38 U	38 U	38 U
AROCLOR-1248	43 U	180 U	20000 U	38 U	38 U	38 U	38 U	38 U	38 U
AROCLOR-1254	43 U	180 U	20000 U	38 U	38 U	38 U	38 U	38 U	38 U
AROCLOR-1260	120	1200	99000	12 J	11.5	11 J	38 U	15 J	38 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	120	1200	99000	12	11.5	11	0 U	15	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.49 J	0.089 B	0.89	0.073 B	0.066 U	0.059 B	0.13 B	0.14 B	0.031 L
ARSENIC	2.3	0.53 L	3.5	1.8	1.75	1.7	2.1	2.5	1.5 J
BARIUM	43.2 J	153	90	19.2	17.1	15	20.7	19.3	12.5 K
BERYLLIUM	0.32 J	0.12	0.54	0.22	0.23	0.24	2	0.59	0.3
CADMIUM	0.82 J	0.41 K	6.4	0.014 B	0.0125	0.018	0.11 K	0.044 K	0.012 B
CHROMIUM	18 J	12.7 J	83.7 J	7.1 J	8.65	10.2 J	11.2 J	11.1 J	6.3 J
COBALT	3.1	4.6	4	2.1	2.25	2.4	10.8	27.2	3.9
COPPER	11.5 J	13.8 J	26.8 J	3.8 J	4.75	5.7 J	12.7 J	10.8 J	4.9 J
IRON	8010	20800	9150	13700	11780	9860	20400	13800	10400
LEAD	38 J	8.6 J	278 J	4 J	4.1	4.2 J	10.9 J	3.8 J	3 J
MANGANESE	205 J	231	11.2	172 J	109.25	46.5 J	135	42.1	27.4 L
MERCURY	0.25	0.41	0.13	0.019 U	0.019 U	0.019 U	0.29	0.019 U	0.019 UL
MOLYBDENUM	0.33 B	0.78 B	1.2 L	0.3 B	0.245 U	0.19 B	0.15 B	0.58 B	0.16 B
NICKEL	6.6	6.9	18.5	4.1	4.75	5.4	15.6	9.1	3.2 J
SELENIUM	0.24	0.18 U	0.42	0.18 U	0.18 U	0.18 U	0.32	0.19 U	0.18 UL
SILVER	0.24	0.092	0.38	0.049	0.03325	0.035 B	0.2	0.14	0.031
THALLIUM	0.083 K	0.38	0.098 K	0.054 K	0.0585	0.063 K	0.07 K	0.038 B	0.055 B
VANADIUM	31.9 J	22.8 J	60.7 J	13 J	13.95	14.9 J	17.1 J	15.9 J	11.4 J
ZINC	80.6 J	63.8	302	12.2	14.4	16.6	78.2	16.2	11.1
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	45000	52000	170000	14000 B	4800 J	4800 J	13000	5900 J	10000 B
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	77.2	91.2	82.8	87.5	87.1	86.7	85.8	85.9	86.7
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE ID	SB-503-0001-D	SB-504-0001	SB-505-0001	SB-506-0001	SB-506-0001-AVG	SB-506-0001-D	SB-507-0001	SB-508-0001	SB-509-0001
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071129
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-511	SB-512	SB-513	SB-514	SB-515	SB-516	SB-517	SB-518
SAMPLE ID	SB-510-0001	SB-511-0001	SB-512-0001	SB-513-0001	SB-514-0001	SB-515-0001	SB-516-0001	SB-517-0001	SB-518-0001
SAMPLE DATE	20071128	20071129	20071129	20071129	20071129	20071129	20071130	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,1,1-TRICHLOROETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,1,2,2-TETRACHLOROETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,1-DICHLOROETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,1-DICHLOROETHENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,1-DICHLOROPROPENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2,3-TRICHLOROBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2,3-TRICHLOROPROPANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2,3-TRIMETHYLBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2,4-TRICHLOROBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2,4-TRIMETHYLBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2-DIBROMO-3-CHLOROPROPANE	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	12 U
1,2-DIBROMOETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2-DICHLOROBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2-DICHLOROETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,2-DICHLOROPROPANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,3-DICHLOROPROPANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
2-BUTANONE	11 U	11 U	11 U	12 U	2.7 J	12 U	5.3 J	11 U	4.1 J
2-CHLOROETHYL VINYL ETHER	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	12 U
2-CHLOROTOLUENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
2-HEXANONE	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	12 U
4-CHLOROTOLUENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
4-ISOPROPYLTOLUENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
4-METHYL-2-PENTANONE	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	12 U
ACETONE	11 U	11 U	8.2 J	12 U	51 J	11 J	18 J	11 U	74 J
BENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
BROMOBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
BROMOCHLOROMETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
BROMODICHLOROMETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
BROMOFORM	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
BROMOMETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
CARBON DISULFIDE	5.6 U	5.7 U	5.6 U	5.8 U	0.66 J	5.9 U	6 U	5.7 U	6 U
CARBON TETRACHLORIDE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
CHLOROBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
CHLORODIBROMOMETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
CHLOROETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
CHLOROFORM	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
CHLOROMETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
CIS-1,2-DICHLOROETHENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
CIS-1,3-DICHLOROPROPENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
DIBROMOMETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
DICHLORODIFLUOROMETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
DIISOPROPYL ETHER	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	12 U
ETHYL TERT-BUTYL ETHER	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
ETHYLBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
ISOPROPYLBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
M+P-XYLENES	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	12 U
METHYL TERT-BUTYL ETHER	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	12 U
METHYLENE CHLORIDE	6.4 B	5.4 B	5.6 B	3.6 B	5.6 B	5.9 B	5.8 B	3.1 B	4.8 B
NAPHTHALENE	0.55 B	5.7 U	1.8 B	0.67 B	5.8 U	5.9 U	6 U	5.7 U	6 U
N-BUTYLBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
N-PROPYLBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
O-XYLENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
SEC-BUTYLBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
STYRENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
TERT-AMYL METHYL ETHER	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
TERT-BUTYLBENZENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
TERTIARY-BUTYL ALCOHOL	110 UR	110 UR	110 UR	120 UR	120 UR	120 UR	120 UR	110 UR	120 UR
TETRACHLOROETHENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
TOLUENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	12 U
TRANS-1,2-DICHLOROETHENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
TRANS-1,3-DICHLOROPROPENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
TRICHLOROETHENE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
TRICHLOROFLUOROMETHANE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
VINYL ACETATE	11 U	11 U	11 U	12 UJ	12 UJ	12 UJ	12 U	11 U	12 U

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-511	SB-512	SB-513	SB-514	SB-515	SB-516	SB-517	SB-518
SAMPLE ID	SB-510-0001	SB-511-0001	SB-512-0001	SB-513-0001	SB-514-0001	SB-515-0001	SB-516-0001	SB-517-0001	SB-518-0001
SAMPLE DATE	20071128	20071129	20071129	20071129	20071129	20071129	20071130	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U	6 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2,4,5-TRICHLOROPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2,4,6-TRICHLOROPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2,4-DICHLOROPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2,4-DIMETHYLPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2,4-DINITROPHENOL	740 U	760 U	750 U	770 U	760 U	780 U	790 U	750 U	800 U
2,4-DINITROTOLUENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2,6-DINITROTOLUENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2-CHLORONAPHTHALENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2-CHLOROPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2-METHYLPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
2-NITROANILINE	740 U	760 U	750 U	770 U	760 U	780 U	790 U	750 U	800 U
2-NITROPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
3-NITROANILINE	740 U	760 U	750 U	770 U	760 U	780 U	790 U	750 U	800 U
4,6-DINITRO-2-METHYLPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
4-BROMOPHENYL PHENYL ETHER	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
4-CHLORO-3-METHYLPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
4-CHLOROANILINE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
4-CHLOROPHENYL PHENYL ETHER	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
4-METHYLPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
4-NITROANILINE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
4-NITROPHENOL	740 U	760 U	750 U	770 U	760 U	780 U	790 U	750 U	800 U
ACETOPHENONE	75 U	76 U	75 U	78 U	77 U	79 U	79 U	75 U	80 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
BIS(2-CHLOROETHYL)ETHER	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	370 U	380 U	370 U	390 U	380 U	43 J	390 U	370 U	400 U
BUTYL BENZYL PHTHALATE	370 U	380 U	370 U	390 U	380 U	78 J	390 U	370 U	400 U
CAPROLACTAM	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
CARBAZOLE	370 U	380 U	370 U	390 U	380 U	41 J	390 U	370 U	400 U
DIBENZOFURAN	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
DIETHYL PHTHALATE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
DIMETHYL PHTHALATE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
DI-N-BUTYL PHTHALATE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
DI-N-OCTYL PHTHALATE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
HEXACHLOROBENZENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
HEXACHLOROBUTADIENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
HEXACHLOROCYCLOPENTADIENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
HEXACHLOROETHANE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
ISOPHORONE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
NITROBENZENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
N-NITROSODIMETHYLAMINE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
N-NITROSO-DI-N-PROPYLAMINE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
N-NITROSODIPHENYLAMINE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
PENTACHLOROPHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
PHENOL	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
ACENAPHTHENE	370 U	380 U	370 U	390 U	380 U	32 J	390 U	370 U	400 U
ACENAPHTHYLENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
ANTHRACENE	370 U	380 U	370 U	390 U	380 U	71 J	34 J	370 U	400 U
BAP EQUIVALENT-HALFND	216	97	211	433	380 U	948	392	205	400 U
BAP EQUIVALENT-POS	31	97	24	1.5	380 U	948	197	20	400 U
BENZO(A)ANTHRACENE	29 J	59 J	22 J	390 U	380 U	550	170 J	13 J	400 U
BENZO(A)PYRENE	23 J	62 J	17 J	390 U	380 U	630	150 J	15 J	400 U
BENZO(B)FLUORANTHENE	41 J	100 J	37 J	15 J	380 U	860	210 J	31 J	400 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	16 J	55 J	16 J	390 U	380 U	490	96 J	11 J	400 U
BENZO(K)FLUORANTHENE	15 J	55 J	370 U	390 U	380 U	390	97 J	8.7 J	400 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-511	SB-512	SB-513	SB-514	SB-515	SB-516	SB-517	SB-518
SAMPLE ID	SB-510-0001	SB-511-0001	SB-512-0001	SB-513-0001	SB-514-0001	SB-515-0001	SB-516-0001	SB-517-0001	SB-518-0001
SAMPLE DATE	20071128	20071129	20071129	20071129	20071129	20071129	20071130	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-511	SB-512	SB-513	SB-514	SB-515	SB-516	SB-517	SB-518
SAMPLE ID	SB-510-0001	SB-511-0001	SB-512-0001	SB-513-0001	SB-514-0001	SB-515-0001	SB-516-0001	SB-517-0001	SB-518-0001
SAMPLE DATE	20071128	20071129	20071129	20071129	20071129	20071129	20071130	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	34 J	75 J	24 J	390 U	380 U	680	170 J	13 J	400 U
DIBENZO(A,H)ANTHRACENE	370 U	14 J	370 U	390 U	380 U	130 J	390 U	370 U	400 U
FLUORANTHENE	57 J	120 J	61 J	9.5 J	380 U	1200	320 J	15 J	400 U
FLUORENE	370 U	380 U	370 U	390 U	380 U	26 J	390 U	370 U	400 U
INDENO(1,2,3-CD)PYRENE	13 J	47 J	14 J	390 U	380 U	420	83 J	9.2 J	400 U
NAPHTHALENE	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U	400 U
PHENANTHRENE	25 J	29 J	59 J	390 U	380 U	430	120 J	370 U	400 U
PYRENE	44 J	83 J	47 J	390 U	380 U	830	250 J	13 J	400 U
TOTAL PAHS	297	699	297	24.5	0 U	6739	1700	128.9	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	37 U	38 U	37 U	39 U	38 U	39 U	39 U	37 U	40 U
AROCLOR-1221	37 U	38 U	37 U	39 U	38 U	39 U	39 U	37 U	40 U
AROCLOR-1232	37 U	38 U	37 U	39 U	38 U	39 U	39 U	37 U	40 U
AROCLOR-1242	37 U	38 U	37 U	39 U	38 U	39 U	39 U	37 U	40 U
AROCLOR-1248	37 U	38 U	37 U	39 U	38 U	39 U	39 U	37 U	40 U
AROCLOR-1254	37 U	38 U	37 U	39 U	38 U	39 U	39 U	37 U	40 U
AROCLOR-1260	31 J	49	30 J	84	38 U	290	39 U	37 U	40 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	31	49	30	84	0 U	290	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.29 L	0.23 L	0.083 L	0.18 L	0.098 L	0.29 L	0.23 L	0.18 L	0.18 J
ARSENIC	9.6 J	0.52 J	1.5 J	1.7 J	1.5 J	0.99 J	0.94 L	1.1 L	2.2 L
BARIUM	12.2 K	15.1 K	15.8 K	26.4 K	20.4 K	24.1 K	13.7	15.1	20.1
BERYLLIUM	0.21	1.8	0.55	0.35	1	0.84	1.1	1.6	1.2
CADMIUM	0.036 K	0.029 K	0.093 K	0.11 K	0.78	0.45	0.16 K	0.07 K	0.022 K
CHROMIUM	10.1 J	15.5 J	11.4 J	12.7 J	15.8 J	11.3 J	11.8 J	9.3 J	11.5 J
COBALT	3.9	4.2	3.7	3.9	17.5	4.1	2.8 J	5.7 J	3.9 J
COPPER	27.9 J	16.9 J	11.4 J	7.1 J	22.8 J	12.5 J	10.3 L	16.5 L	14.5 L
IRON	13400	24400	13200	13800	16100	11900	16600	17600	29900
LEAD	2 J	6.8 J	4.5 J	9.3 J	11.4 J	36.7 J	5.7 L	11.4 L	4.7 L
MANGANESE	83.4 L	53.7 L	66.5 L	122 L	133 L	152 L	69.5 L	65.4 L	85 L
MERCURY	0.019 UL	0.019 UL	0.019 UL	0.019 UL	0.019 UL	0.072 L	0.19 L	0.019 UL	0.02 UL
MOLYBDENUM	3.2 J	0.091 B	0.31 B	0.077 UL	0.081 B	0.094 B	0.23 B	0.12 B	0.18 B
NICKEL	11.1 J	16.3 J	8.7 J	6.5 J	15.4 J	11.8 J	10.9 L	13.1 J	7.4 L
SELENIUM	0.18 UL	1.1 L	0.18 UL	0.19 UL	0.27 L	0.19 UL	0.34 L	0.69 L	0.35 L
SILVER	0.058	0.099 K	0.06	0.06	0.079	0.12	0.12	0.086	0.097
THALLIUM	0.02 B	0.064 B	0.023 B	0.031 B	0.055 B	0.041 B	0.041 K	0.034 K	0.061 K
VANADIUM	8.5 J	20.6 J	14.3 J	10.6 J	18.8 J	15 J	20.3 J	15.8 J	17.6 J
ZINC	12.6	20.5	16.7	23.2	47.3	57	25.9	46.7	23.6
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	22000 B	9000 B	33000	2200 J	1800 B	2200 J	23000	4000 J	610 B
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	89.4	87.3	88.6	85.5	86.3	84.8	83.9	88.4	82.9
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-511	SB-512	SB-513	SB-514	SB-515	SB-516	SB-517	SB-518
SAMPLE ID	SB-510-0001	SB-511-0001	SB-512-0001	SB-513-0001	SB-514-0001	SB-515-0001	SB-516-0001	SB-517-0001	SB-518-0001
SAMPLE DATE	20071128	20071129	20071129	20071129	20071129	20071129	20071130	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-519	SB-520	SB-521	SB-522	SB-523	SB-524	SB-525	SB-526	SB-527
SAMPLE ID	SB-519-0001	SB-520-0001	SB-521-0001	SB-522-0001	SB-523-0001	SB-524-0001	SB-525-0001	SB-526-0001	SB-527-0001
SAMPLE DATE	20071130	20071130	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
ACETONE	7.5 J	12 U	NA	NA	NA	NA	NA	NA	NA
BENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	3.6 B	4.6 B	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
STYRENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	120 UR	120 UR	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TOLUENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	12 U	12 U	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-519	SB-520	SB-521	SB-522	SB-523	SB-524	SB-525	SB-526	SB-527
SAMPLE ID	SB-519-0001	SB-520-0001	SB-521-0001	SB-522-0001	SB-523-0001	SB-524-0001	SB-525-0001	SB-526-0001	SB-527-0001
SAMPLE DATE	20071130	20071130	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	780 U	810 U	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	780 U	810 U	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	780 U	810 U	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	780 U	810 U	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	78 U	82 U	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	31 J	410 U	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
PHENOL	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	432	249	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	1.2	42	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	390 U	33 J	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	390 U	32 J	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	12 J	46 J	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	390 U	22 J	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-519	SB-520	SB-521	SB-522	SB-523	SB-524	SB-525	SB-526	SB-527
SAMPLE ID	SB-519-0001	SB-520-0001	SB-521-0001	SB-522-0001	SB-523-0001	SB-524-0001	SB-525-0001	SB-526-0001	SB-527-0001
SAMPLE DATE	20071130	20071130	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-519	SB-520	SB-521	SB-522	SB-523	SB-524	SB-525	SB-526	SB-527
SAMPLE ID	SB-519-0001	SB-520-0001	SB-521-0001	SB-522-0001	SB-523-0001	SB-524-0001	SB-525-0001	SB-526-0001	SB-527-0001
SAMPLE DATE	20071130	20071130	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	390 U	39 J	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	390 U	69 J	NA	NA	NA	NA	NA	NA	NA
FLUORENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	390 U	19 J	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	390 U	40 J	NA	NA	NA	NA	NA	NA	NA
PYRENE	390 U	57 J	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	12	357	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	41 U	420 U	410 U	380 U	7900 U	8600 U	22000 U	7200 U
AROCLOR-1221	39 U	41 U	420 U	410 U	380 U	7900 U	8600 U	22000 U	7200 U
AROCLOR-1232	39 U	41 U	420 U	410 U	380 U	7900 U	8600 U	22000 U	7200 U
AROCLOR-1242	39 U	41 U	420 U	410 U	380 U	7900 U	8600 U	22000 U	7200 U
AROCLOR-1248	39 U	41 U	420 U	410 U	380 U	7900 U	8600 U	22000 U	7200 U
AROCLOR-1254	39 U	41 U	420 U	410 U	380 U	7900 U	8600 U	22000 U	7200 U
AROCLOR-1260	39 U	41 U	3100	3400	2100	52000	54000	82000	62000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	3100	3400	2100	52000	54000	82000	62000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.12 J	0.22 L	NA	NA	NA	NA	NA	NA	NA
ARSENIC	1.6 L	0.82 L	NA	NA	NA	NA	NA	NA	NA
BARIUM	16	9	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	0.95	1.4	NA	NA	NA	NA	NA	NA	NA
CADMIUM	0.019 K	0.029 K	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	10.5 J	7.5 J	NA	NA	NA	NA	NA	NA	NA
COBALT	3.8 J	4.6 J	NA	NA	NA	NA	NA	NA	NA
COPPER	11.2 L	10.8 L	NA	NA	NA	NA	NA	NA	NA
IRON	14600	17800	NA	NA	NA	NA	NA	NA	NA
LEAD	3.9 L	5.3 L	NA	NA	NA	NA	NA	NA	NA
MANGANESE	74.9 L	41.7 L	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 UL	0.021 UL	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	0.16 B	0.64 J	NA	NA	NA	NA	NA	NA	NA
NICKEL	8.1 L	10.2 L	NA	NA	NA	NA	NA	NA	NA
SELENIUM	0.62 L	0.44 L	NA	NA	NA	NA	NA	NA	NA
SILVER	0.086	0.065	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.045 K	0.026 K	NA	NA	NA	NA	NA	NA	NA
VANADIUM	20.2 J	12 J	NA	NA	NA	NA	NA	NA	NA
ZINC	17.3	23.2	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	2800 B	5200 B	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	85	81	79	80	86.9	83.3	77.1	76	46.1
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-519	SB-520	SB-521	SB-522	SB-523	SB-524	SB-525	SB-526	SB-527
SAMPLE ID	SB-519-0001	SB-520-0001	SB-521-0001	SB-522-0001	SB-523-0001	SB-524-0001	SB-525-0001	SB-526-0001	SB-527-0001
SAMPLE DATE	20071130	20071130	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-528	SB-529	SB-530	SB-531	SB-532	SB-533	SB-534	SB-535	SB-536
SAMPLE ID	SB-528-0001	SB-529-0001	SB-530-0001	SB-531-0001	SB-532-0001	SB-533-0001	SB-534-0001	SB-535-0001	SB-536-0001
SAMPLE DATE	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-528	SB-529	SB-530	SB-531	SB-532	SB-533	SB-534	SB-535	SB-536
SAMPLE ID	SB-528-0001	SB-529-0001	SB-530-0001	SB-531-0001	SB-532-0001	SB-533-0001	SB-534-0001	SB-535-0001	SB-536-0001
SAMPLE DATE	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
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Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-528	SB-529	SB-530	SB-531	SB-532	SB-533	SB-534	SB-535	SB-536
SAMPLE ID	SB-528-0001	SB-529-0001	SB-530-0001	SB-531-0001	SB-532-0001	SB-533-0001	SB-534-0001	SB-535-0001	SB-536-0001
SAMPLE DATE	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-528	SB-529	SB-530	SB-531	SB-532	SB-533	SB-534	SB-535	SB-536
SAMPLE ID	SB-528-0001	SB-529-0001	SB-530-0001	SB-531-0001	SB-532-0001	SB-533-0001	SB-534-0001	SB-535-0001	SB-536-0001
SAMPLE DATE	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	4300 U	200000 U	89000 U	38000 U	430 U	8800 U	9700 U	1900 U	26000 U
AROCLOR-1221	4300 U	200000 U	89000 U	38000 U	430 U	8800 U	9700 U	1900 U	26000 U
AROCLOR-1232	4300 U	200000 U	89000 U	38000 U	430 U	8800 U	9700 U	1900 U	26000 U
AROCLOR-1242	4300 U	200000 U	89000 U	38000 U	430 U	8800 U	9700 U	1900 U	26000 U
AROCLOR-1248	4300 U	200000 U	89000 U	38000 U	430 U	8800 U	9700 U	1900 U	26000 U
AROCLOR-1254	4300 U	200000 U	89000 U	38000 U	430 U	8800 U	9700 U	1900 U	26000 U
AROCLOR-1260	34000	1500000	690000	190000	2100	53000	49000	6000	77000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	34000	1500000	690000	190000	2100	53000	49000	6000	77000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	77.5	83.9	74.5	86.5	76	74.7	68.3	86.6	63.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
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Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-528	SB-529	SB-530	SB-531	SB-532	SB-533	SB-534	SB-535	SB-536
SAMPLE ID	SB-528-0001	SB-529-0001	SB-530-0001	SB-531-0001	SB-532-0001	SB-533-0001	SB-534-0001	SB-535-0001	SB-536-0001
SAMPLE DATE	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-537	SB-538	SB-539	SB-818	SB-819	SB-820	SB-821	SB-822	SB-823
SAMPLE ID	SB-537-0001	SB-538-0001	SB-539-0001	E-SB-818-SS	E-SB-819-SS	E-SB-820-SS	E-SB-821-SS	E-SB-822-SS	E-SB-823-SS
SAMPLE DATE	20071204	20071204	20071204	20100915	20100915	20100915	20100916	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-537	SB-538	SB-539	SB-818	SB-819	SB-820	SB-821	SB-822	SB-823
SAMPLE ID	SB-537-0001	SB-538-0001	SB-539-0001	E-SB-818-SS	E-SB-819-SS	E-SB-820-SS	E-SB-821-SS	E-SB-822-SS	E-SB-823-SS
SAMPLE DATE	20071204	20071204	20071204	20100915	20100915	20100915	20100916	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-537	SB-538	SB-539	SB-818	SB-819	SB-820	SB-821	SB-822	SB-823
SAMPLE ID	SB-537-0001	SB-538-0001	SB-539-0001	E-SB-818-SS	E-SB-819-SS	E-SB-820-SS	E-SB-821-SS	E-SB-822-SS	E-SB-823-SS
SAMPLE DATE	20071204	20071204	20071204	20100915	20100915	20100915	20100916	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-537	SB-538	SB-539	SB-818	SB-819	SB-820	SB-821	SB-822	SB-823
SAMPLE ID	SB-537-0001	SB-538-0001	SB-539-0001	E-SB-818-SS	E-SB-819-SS	E-SB-820-SS	E-SB-821-SS	E-SB-822-SS	E-SB-823-SS
SAMPLE DATE	20071204	20071204	20071204	20100915	20100915	20100915	20100916	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	2500 U	880 U	4300 U	23 U	22 U	23 U	24 U	25 U	26 U
AROCLOR-1221	2500 U	880 U	4300 U	18 U	17 U	17 U	19 U	19 U	20 U
AROCLOR-1232	2500 U	880 U	4300 U	16 U	15 U	15 U	16 U	16 U	17 U
AROCLOR-1242	2500 U	880 U	4300 U	14 U	14 U	14 U	15 U	15 U	16 U
AROCLOR-1248	2500 U	880 U	4300 U	19 U	18 U	19 U	20 U	20 U	21 U
AROCLOR-1254	2500 U	880 U	4300 U	19 U	18 U	19 U	20 U	20 U	21 U
AROCLOR-1260	10000	4500	18000	19 U	18 U	19 U	21 J	20 U	38 J
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	10000	4500	18000	0 U	0 U	0 U	21	0 U	38
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	65.2	75.1	75.9	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-537	SB-538	SB-539	SB-818	SB-819	SB-820	SB-821	SB-822	SB-823
SAMPLE ID	SB-537-0001	SB-538-0001	SB-539-0001	E-SB-818-SS	E-SB-819-SS	E-SB-820-SS	E-SB-821-SS	E-SB-822-SS	E-SB-823-SS
SAMPLE DATE	20071204	20071204	20071204	20100915	20100915	20100915	20100916	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-824	SB-825	SB-827	SB-828	SB-829	SB-830	SB-831	SB-832	SB-833
SAMPLE ID	E-SB-824-SS	E-SB-825-SS	E-SB-827-SS	E-SB-828-SS	E-SB-829-SS	E-SB-830-SS	E-SB-831-SS	E-SB-832-SS	E-SB-833-SS
SAMPLE DATE	20100915	20100913	20100916	20100916	20100917	20100914	20100913	20100917	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-824	SB-825	SB-827	SB-828	SB-829	SB-830	SB-831	SB-832	SB-833
SAMPLE ID	E-SB-824-SS	E-SB-825-SS	E-SB-827-SS	E-SB-828-SS	E-SB-829-SS	E-SB-830-SS	E-SB-831-SS	E-SB-832-SS	E-SB-833-SS
SAMPLE DATE	20100915	20100913	20100916	20100916	20100917	20100914	20100913	20100917	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-824	SB-825	SB-827	SB-828	SB-829	SB-830	SB-831	SB-832	SB-833
SAMPLE ID	E-SB-824-SS	E-SB-825-SS	E-SB-827-SS	E-SB-828-SS	E-SB-829-SS	E-SB-830-SS	E-SB-831-SS	E-SB-832-SS	E-SB-833-SS
SAMPLE DATE	20100915	20100913	20100916	20100916	20100917	20100914	20100913	20100917	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	80 U	170 J	77 U	NA	NA	NA	85 U
C1-FLUORANTHENES/PYRENES	NA	NA	80 U	85 J	77 U	NA	NA	NA	85 U
C1-FLUORENES	NA	NA	80 U	77 U	77 U	NA	NA	NA	85 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	80 U	77 U	77 U	NA	NA	NA	85 U
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	80 U	260 J	77 U	NA	NA	NA	85 U
C2-FLUORENES	NA	NA	80 U	77 U	77 U	NA	NA	NA	85 U
C2-NAPHTHALENES	NA	NA	80 U	77 U	77 U	NA	NA	NA	85 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	80 U	86 J	77 U	NA	NA	NA	96 J

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-824	SB-825	SB-827	SB-828	SB-829	SB-830	SB-831	SB-832	SB-833
SAMPLE ID	E-SB-824-SS	E-SB-825-SS	E-SB-827-SS	E-SB-828-SS	E-SB-829-SS	E-SB-830-SS	E-SB-831-SS	E-SB-832-SS	E-SB-833-SS
SAMPLE DATE	20100915	20100913	20100916	20100916	20100917	20100914	20100913	20100917	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	80 U	200 J	77 U	NA	NA	NA	85 U
C3-FLUORENES	NA	NA	80 U	77 U	77 U	NA	NA	NA	85 U
C3-NAPHTHALENES	NA	NA	80 U	77 U	77 U	NA	NA	NA	85 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	80 U	160 J	77 U	NA	NA	NA	85 U
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	80 U	170 J	77 U	NA	NA	NA	85 U
C4-NAPHTHALENES	NA	NA	80 U	77 U	77 U	NA	NA	NA	85 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	80 U	110 J	77 U	NA	NA	NA	85 U
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	24 U	25 U	24 U	24 U	23 U	24 U	110 U	27 U
AROCLOR-1221	18 U	19 U	19 U	18 U	18 U	18 U	18 U	85 U	20 U
AROCLOR-1232	16 U	16 U	17 U	16 U	16 U	16 U	16 U	75 U	18 U
AROCLOR-1242	15 U	15 U	16 U	15 U	15 U	14 U	15 U	69 U	16 U
AROCLOR-1248	19 U	20 U	20 U	20 U	20 U	19 U	19 U	91 U	22 U
AROCLOR-1254	19 U	20 U	20 U	20 U	20 U	19 U	19 U	91 U	22 U
AROCLOR-1260	19 U	20 U	34 J	35 J	20 UJ	19 U	19 U	690	22 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	34	35	0 U	0 U	0 U	690	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-824	SB-825	SB-827	SB-828	SB-829	SB-830	SB-831	SB-832	SB-833
SAMPLE ID	E-SB-824-SS	E-SB-825-SS	E-SB-827-SS	E-SB-828-SS	E-SB-829-SS	E-SB-830-SS	E-SB-831-SS	E-SB-832-SS	E-SB-833-SS
SAMPLE DATE	20100915	20100913	20100916	20100916	20100917	20100914	20100913	20100917	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833A	SB-833B	SB-833C	SB-833D	SB-833E	SB-833F	SB-833G	SB-833H	SB-833J
SAMPLE ID	E-SB-833A-02	E-SB-833B-02	E-SB-833C-02	E-SB-833D-02	E-SB-833E-02	E-SB-833F-02	E-SB-833G-02	E-SB-833H-02	E-SB-833J-02
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	0.65 U	0.53 U	0.47 U	0.5 U	370 U	8 U	0.5 U	0.54 U	6.9 U
1,1,1-TRICHLOROETHANE	0.58 U	0.48 U	0.43 U	0.45 U	840 U	18 U	0.46 U	0.49 U	16 U
1,1,2,2-TETRACHLOROETHANE	0.35 U	0.29 U	0.26 U	0.27 U	360 U	7.8 U	0.28 U	0.3 U	6.7 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.4 U	1.1 U	0.99 U	1 U	1600 U	34 U	1.1 U	1.1 U	30 U
1,1-DICHLOROETHANE	0.37 U	0.31 U	0.27 U	0.29 U	680 U	15 U	0.29 U	0.31 U	13 U
1,1-DICHLOROETHENE	0.54 U	0.44 U	0.4 U	0.42 U	720 U	16 U	0.42 U	0.45 U	14 U
1,1-DICHLOROPROPENE	0.31 U	0.26 U	0.23 U	0.24 U	400 U	8.7 U	0.24 U	0.26 U	7.6 U
1,2,3-TRICHLOROBENZENE	0.4 U	140	0.29 U	0.31 U	39000	280 J	0.31 U	0.33 U	47 J
1,2,3-TRICHLOROPROPANE	0.94 U	0.77 U	0.68 U	0.72 U	840 U	18 U	0.73 U	0.78 U	16 U
1,2,3-TRIMETHYLBENZENE	0.18 U	0.68 B	0.6 B	0.14 U	6.8 U	0.15 U	0.14 U	0.15 U	0.13 U
1,2,4-TRICHLOROBENZENE	0.36 B	140 J	1.1 B	0.52 B	180000	1200	0.68 B	1.1 B	260
1,2,4-TRIMETHYLBENZENE	0.68 U	0.55 U	0.49 U	0.52 U	200 U	4.4 U	0.53 U	0.57 U	3.8 U
1,2-DIBROMO-3-CHLOROPROPANE	1.4 U	1.1 U	0.99 U	1 U	2000 U	44 U	1.1 U	1.1 U	38 U
1,2-DIBROMOETHANE	0.52 U	0.43 U	0.38 U	0.4 U	400 U	8.7 U	0.41 U	0.44 U	7.6 U
1,2-DICHLOROBENZENE	0.37 U	3.4 J	0.27 U	0.29 U	970 J	26 J	0.29 U	0.31 U	6.5 U
1,2-DICHLOROETHANE	0.35 U	0.29 U	0.26 U	0.27 U	400 U	8.7 U	0.28 U	0.3 U	7.6 U
1,2-DICHLOROPROPANE	0.72 U	0.59 U	0.52 U	0.55 U	330 U	7.2 U	0.56 U	0.6 U	6.2 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.36 U	21	0.27 U	0.28 U	190 U	4.2 U	0.33 J	0.31 U	11 J
1,3-DICHLOROPROPANE	0.35 U	0.29 U	0.26 U	0.27 U	880 U	19 U	0.28 U	0.3 U	17 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.69 U	12	0.5 U	0.53 U	1500 J	42 J	1.3 J	0.58 U	12 J
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.98 U	0.8 U	0.71 U	0.75 U	930 U	20 U	0.77 U	0.82 U	17 U
2-BUTANONE	1.5 U	1.2 U	1.1 U	3.2 B	1700 U	38 U	1.1 U	1.2 U	88 J
2-CHLOROETHYL VINYL ETHER	1.5 U	1.2 U	1.1 U	1.1 U	1700 UR	38 U	1.1 U	1.2 U	33 U
2-CHLOROTOLUENE	0.42 U	0.34 U	0.3 U	0.32 U	360 U	7.9 U	0.33 U	0.35 U	6.8 U
2-HEXANONE	0.66 U	0.54 U	0.48 U	0.51 U	800 U	17 U	0.51 U	0.55 U	15 U
4-CHLOROTOLUENE	0.43 U	0.35 U	0.31 U	0.33 U	400 U	8.7 U	0.33 U	0.36 U	7.5 U
4-ISOPROPYLTOLUENE	0.22 U	0.18 U	0.16 U	0.17 U	190 U	4.2 U	0.17 U	0.18 U	3.6 U
4-METHYL-2-PENTANONE	0.56 U	0.46 U	0.41 U	0.43 U	1900 U	42 U	0.44 U	0.47 U	36 U
ACETONE	6.8 B	7.7 B	4.8 U	25 B	6800 U	230 J	5.1 U	8.4 B	220 B
BENZENE	0.24 U	0.2 U	0.17 U	0.18 U	480 U	10 U	0.19 U	0.2 U	9.1 U
BROMOBENZENE	0.34 U	0.28 U	0.25 U	0.26 U	520 U	11 U	0.27 U	0.29 U	9.8 U
BROMOCHLOROMETHANE	0.74 U	0.6 U	0.54 U	0.57 U	520 U	11 U	0.58 U	0.62 U	9.8 U
BROMODICHLOROMETHANE	0.29 U	0.24 U	0.21 U	0.22 U	400 U	8.7 U	0.23 U	0.24 U	7.5 U
BROMOFORM	0.34 U	0.28 U	0.25 U	0.26 U	760 U	17 U	0.27 U	0.29 U	14 U
BROMOMETHANE	0.56 U	0.46 U	0.41 U	0.43 U	1200 U	25 U	0.44 U	0.47 U	22 U
CARBON DISULFIDE	0.46 U	0.37 U	0.33 U	0.35 U	480 U	10 U	0.36 U	0.38 U	9.1 U
CARBON TETRACHLORIDE	0.39 U	0.32 U	0.28 U	0.3 U	260 U	5.6 U	0.3 U	0.32 U	4.8 U
CHLOROBENZENE	0.34 U	0.28 U	0.25 U	0.26 U	260 U	5.6 U	12	0.29 U	4.8 U
CHLORODIBROMOMETHANE	0.57 U	0.47 U	0.42 U	0.44 U	480 U	10 U	0.45 U	0.48 U	9.1 U
CHLOROETHANE	0.9 U	0.73 U	0.65 U	0.69 U	2500 U	53 U	0.7 U	0.75 U	46 U
CHLOROFORM	0.3 U	0.25 U	0.22 U	0.23 U	350 U	7.7 U	0.24 U	0.25 U	6.7 U
CHLOROMETHANE	0.43 U	0.35 U	0.31 U	0.33 U	560 U	12 U	0.33 U	0.36 U	11 U
CIS-1,2-DICHLOROETHENE	0.37 U	0.31 U	0.27 U	0.29 U	280 U	6 U	0.29 U	0.31 U	5.2 U
CIS-1,3-DICHLOROPROPENE	0.35 U	0.29 U	0.26 U	0.27 U	320 U	6.9 U	0.28 U	0.3 U	6 U
DIBROMOMETHANE	0.66 U	0.54 U	0.48 U	0.51 U	560 U	12 U	0.51 U	0.55 U	11 U
DICHLORODIFLUOROMETHANE	0.52 U	0.43 U	0.38 U	0.4 U	640 U	14 U	0.41 U	0.44 U	12 U
DIISOPROPYL ETHER	1.6 U	1.3 U	1.1 U	1.2 U	2000 U	44 U	1.2 U	1.3 U	38 U
ETHYL TERT-BUTYL ETHER	0.23 U	0.19 U	0.17 U	0.18 U	8.8 U	0.19 U	0.18 U	0.19 U	0.17 U
ETHYLBENZENE	0.27 U	0.22 U	0.2 U	0.21 U	220 U	4.7 U	0.21 U	0.23 U	4.1 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	1.2 U	1 U	0.91 U	0.96 U	560 U	12 U	0.98 U	1 U	11 U
ISOPROPYLBENZENE	0.17 U	0.14 U	0.12 U	0.13 U	260 U	5.7 U	0.13 U	0.14 U	4.9 U
M+P-XYLENES	1.2 U	1 U	0.91 U	0.96 U	250 U	5.4 U	0.98 U	1 U	4.7 U
METHYL TERT-BUTYL ETHER	0.45 U	0.37 U	0.33 U	0.35 U	290 U	6.2 U	0.35 U	0.37 U	5.4 U
METHYLENE CHLORIDE	0.7 U	0.57 U	0.51 U	0.54 U	3100 U	88 J	0.55 U	0.58 U	58 U
NAPHTHALENE	0.2 U	0.16 U	0.14 U	0.15 U	270 U	5.9 U	0.15 U	0.17 U	5.1 U
N-BUTYLBENZENE	0.24 U	0.2 U	0.17 U	0.18 U	320 U	7 U	0.19 U	0.2 U	6.1 U
N-PROPYLBENZENE	0.42 U	0.34 U	0.3 U	0.32 U	560 U	12 U	0.33 U	0.35 U	11 U
O-XYLENE	0.36 U	0.3 U	0.27 U	0.28 U	340 U	7.4 U	0.28 U	0.31 U	6.4 U
SEC-BUTYLBENZENE	0.19 U	0.15 U	0.14 U	0.14 U	190 U	4.1 U	0.15 U	0.16 U	3.6 U
STYRENE	0.16 U	0.13 U	0.11 U	0.12 U	230 U	4.9 U	0.12 U	0.13 U	4.2 U
TERT-AMYL METHYL ETHER	0.39 U	0.32 U	0.28 U	0.3 U	15 U	0.32 U	0.3 U	0.32 U	0.28 U
TERT-BUTYLBENZENE	0.3 U	0.25 U	0.22 U	0.23 U	260 U	5.7 U	0.24 U	0.25 U	4.9 U
TERTIARY-BUTYL ALCOHOL	7.9 UR	6.5 UR	5.8 UR	6.1 UR	9700 UR	210 UR	6.2 UR	6.6 UR	390 J
TETRACHLOROETHENE	0.54 U	0.44 U	0.4 U	0.42 U	480 U	10 U	0.42 U	0.45 U	9.1 U
TOLUENE	0.28 U	0.23 U	0.21 U	0.22 U	680 U	15 U	0.22 U	0.24 U	13 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.7 U	0.57 U	0.51 U	0.54 U	330 U	7.1 U	0.55 U	0.58 U	6.1 U
TRANS-1,2-DICHLOROETHENE	0.43 U	0.35 U	0.31 U	0.33 U	370 U	8 U	0.33 U	0.36 U	7 U
TRANS-1,3-DICHLOROPROPENE	0.56 U	0.46 U	0.41 U	0.43 U	800 U	17 U	0.44 U	0.47 U	15 U
TRICHLOROETHENE	0.44 U	0.36 U	0.32 U	0.34 U	390 U	8.5 U	0.34 U	0.37 U	7.3 U
TRICHLOROFLUOROMETHANE	0.35 U	0.29 U	0.26 U	0.27 U	640 U	14 U	0.28 U	0.3 U	12 U
VINYL ACETATE	0.26 U	0.21 U	0.19 U	0.2 U	930 U	20 U	0.2 U	0.22 U	17 U

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833A	SB-833B	SB-833C	SB-833D	SB-833E	SB-833F	SB-833G	SB-833H	SB-833J
SAMPLE ID	E-SB-833A-02	E-SB-833B-02	E-SB-833C-02	E-SB-833D-02	E-SB-833E-02	E-SB-833F-02	E-SB-833G-02	E-SB-833H-02	E-SB-833J-02
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VINYL CHLORIDE	0.41 U	0.33 U	0.3 U	0.31 U	720 U	16 U	0.32 U	0.34 U	14 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
2-METHYLNAPHTHALENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
ACENAPHTHENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
ACENAPHTHYLENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
ANTHRACENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
BAP EQUIVALENT-HALFND	140 U	4 U	3.9 U	7.0	4 U	4 U	3.9 U	3.7 U	3.9 U
BAP EQUIVALENT-POS	140 U	4 U	3.9 U	2.8	4 U	4 U	3.9 U	3.7 U	3.9 U
BENZO(A)ANTHRACENE	140 U	4 U	3.9 U	15	4 U	4 U	3.9 U	3.7 U	3.9 U
BENZO(A)PYRENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
BENZO(B)FLUORANTHENE	140 U	4 U	3.9 U	13	4 U	4 U	3.9 U	3.7 U	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
BENZO(K)FLUORANTHENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833A	SB-833B	SB-833C	SB-833D	SB-833E	SB-833F	SB-833G	SB-833H	SB-833J
SAMPLE ID	E-SB-833A-02	E-SB-833B-02	E-SB-833C-02	E-SB-833D-02	E-SB-833E-02	E-SB-833F-02	E-SB-833G-02	E-SB-833H-02	E-SB-833J-02
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833A	SB-833B	SB-833C	SB-833D	SB-833E	SB-833F	SB-833G	SB-833H	SB-833J
SAMPLE ID	E-SB-833A-02	E-SB-833B-02	E-SB-833C-02	E-SB-833D-02	E-SB-833E-02	E-SB-833F-02	E-SB-833G-02	E-SB-833H-02	E-SB-833J-02
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	48 U	1.3 U	1.3 U	25	1.3 U	1.3 U	1.3 U	1.2 U	1.3 U
DIBENZO(A,H)ANTHRACENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
FLUORANTHENE	660	4 U	3.9 U	42	4 U	4 U	3.9 U	3.7 U	3.9 U
FLUORENE	140 U	4 U	3.9 U	8.8	4 U	4 U	3.9 U	3.7 U	3.9 U
INDENO(1,2,3-CD)PYRENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
NAPHTHALENE	410	93	3.9 U	33	31	4 U	3.9 U	3.7 U	3.9 U
PHENANTHRENE	140 U	4 U	3.9 U	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U
PYRENE	950	4 U	3.9 U	30	4 U	4 U	3.9 U	3.7 U	3.9 U
TOTAL PAHS	2020	93	0 U	166.8	31	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	23 U	500 U	25 U	26 U	25000 U	2500 U	25 U	24 U	250 U
AROCLOR-1221	17 U	380 U	19 U	19 U	19000 U	1900 U	19 U	18 U	190 U
AROCLOR-1232	15 U	340 U	16 U	17 U	17000 U	1700 U	17 U	16 U	170 U
AROCLOR-1242	14 U	310 U	15 U	16 U	16000 U	1600 U	15 U	15 U	150 U
AROCLOR-1248	18 U	410 U	20 U	21 U	20000 U	2100 U	20 U	19 U	200 U
AROCLOR-1254	18 U	410 U	20 U	21 U	20000 U	2100 U	20 U	19 U	200 U
AROCLOR-1260	220	1700	82	21 U	360000	25000	57	23 J	3000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	220	1700	82	0 U	360000	25000	57	23	3000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	8900000 J	NA	NA	NA	640000 J	150000 J	NA	NA	NA
GASOLINE RANGE ORGANICS	440	55 U	NA	NA	64 J	56 U	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833A	SB-833B	SB-833C	SB-833D	SB-833E	SB-833F	SB-833G	SB-833H	SB-833J
SAMPLE ID	E-SB-833A-02	E-SB-833B-02	E-SB-833C-02	E-SB-833D-02	E-SB-833E-02	E-SB-833F-02	E-SB-833G-02	E-SB-833H-02	E-SB-833J-02
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833K	SB-833L	SB-833M	SB-833N	SB-834	SB-835	SB-836	SB-837	SB-838
SAMPLE ID	E-SB-833K-02	E-SB-833L-02	E-SB-833M-02	E-SB-833N-02	E-SB-834-SS	E-SB-835-SS	E-SB-836-SS	E-SB-837-SS	E-SB-838-SS
SAMPLE DATE	20101013	20101013	20101013	20101014	20100916	20100917	20100917	20100917	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	2	2	2	2	0	0	0	0	0
BOTTOM DEPTH	2	2	2	2	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	380 U	7.4 U	0.54 U	0.5 U	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	880 U	17 U	0.49 U	0.45 U	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	370 U	7.3 U	0.3 U	0.28 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1600 U	32 U	1.1 U	1.1 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	710 U	14 U	0.32 U	0.29 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	750 U	15 U	0.46 U	0.42 U	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	420 U	8.2 U	0.26 U	0.24 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	43000 J	300 J	11 J	0.31 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	880 U	17 U	0.79 U	0.73 U	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	7.1 U	0.14 U	0.15 U	0.14 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	210000	1600	47 J	0.22 U	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	210 U	4.1 U	0.57 U	0.53 U	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	2100 U	41 U	1.1 U	1.1 U	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	420 U	8.2 U	0.44 U	0.41 U	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	360 U	22 J	0.32 U	0.29 U	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	420 U	8.2 U	0.3 U	0.28 U	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	340 U	6.7 U	0.6 U	0.56 U	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	1100 J	3.9 U	0.31 U	0.28 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	920 U	18 U	0.3 U	0.28 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	2700 J	38 J	0.58 U	0.53 U	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	960 U	19 U	0.82 U	0.76 U	NA	NA	NA	NA	NA
2-BUTANONE	1800 U	35 U	1.2 U	1.1 U	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	1800 U	35 U	1.2 UJ	1.1 UR	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	380 U	7.4 U	0.35 U	0.32 U	NA	NA	NA	NA	NA
2-HEXANONE	840 U	16 U	0.55 U	0.51 U	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	410 U	8.1 U	0.36 U	0.33 U	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	200 U	3.9 U	0.18 U	0.17 U	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	2000 U	39 U	0.47 U	0.44 U	NA	NA	NA	NA	NA
ACETONE	9800 B	160 B	5.5 U	13 J	NA	NA	NA	NA	NA
BENZENE	500 U	9.8 U	0.2 U	0.19 U	NA	NA	NA	NA	NA
BROMOBENZENE	540 U	11 U	0.29 U	0.27 U	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	540 U	11 U	0.62 U	0.58 U	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	410 U	8.1 U	0.25 U	0.23 U	NA	NA	NA	NA	NA
BROMOFORM	790 U	16 U	0.29 U	0.27 U	NA	NA	NA	NA	NA
BROMOMETHANE	1200 U	24 U	0.47 U	0.44 U	NA	NA	NA	NA	NA
CARBON DISULFIDE	500 U	9.8 U	0.39 U	0.36 U	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	270 U	5.2 U	0.32 U	0.3 U	NA	NA	NA	NA	NA
CHLOROBENZENE	270 U	5.2 U	0.29 U	0.27 U	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	500 U	9.8 U	0.48 U	0.45 U	NA	NA	NA	NA	NA
CHLOROETHANE	2500 U	50 U	0.75 U	0.7 U	NA	NA	NA	NA	NA
CHLOROFORM	370 U	7.2 U	0.25 U	0.24 U	NA	NA	NA	NA	NA
CHLOROMETHANE	580 U	11 U	0.36 U	0.33 U	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	290 U	5.6 U	0.32 U	0.29 U	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	330 U	6.5 U	0.3 U	0.28 U	NA	NA	NA	NA	NA
DIBROMOMETHANE	580 U	11 U	0.55 U	0.51 U	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	670 U	13 U	0.44 U	0.41 U	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	2100 U	41 U	1.3 U	1.2 U	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	9.2 U	0.18 U	0.19 U	0.18 U	NA	NA	NA	NA	NA
ETHYLBENZENE	230 U	4.4 U	0.23 U	0.21 U	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	580 U	11 U	1.1 U	0.97 U	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	270 U	5.3 U	0.14 U	0.13 U	NA	NA	NA	NA	NA
M+P-XYLENES	260 U	5.1 U	1.1 U	0.97 U	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	300 U	5.8 U	0.38 U	0.35 U	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	3200 U	63 U	0.59 U	0.54 U	NA	NA	NA	NA	NA
NAPHTHALENE	280 U	5.5 U	0.17 U	2.1 B	NA	NA	NA	NA	NA
N-BUTYLBENZENE	330 U	6.5 U	0.2 U	0.19 U	NA	NA	NA	NA	NA
N-PROPYLBENZENE	580 U	11 U	0.35 U	0.32 U	NA	NA	NA	NA	NA
O-XYLENE	360 U	6.9 U	0.31 U	0.28 U	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	200 U	3.8 U	0.16 U	0.15 U	NA	NA	NA	NA	NA
STYRENE	230 U	4.6 U	0.13 U	0.12 U	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	15 U	0.3 U	0.32 U	0.3 U	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	270 U	5.3 U	0.25 U	0.24 U	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	10000 UR	620 J	6.7 UR	6.2 UR	NA	NA	NA	NA	NA
TETRACHLOROETHENE	500 U	9.8 U	0.46 U	1.8 J	NA	NA	NA	NA	NA
TOLUENE	710 U	14 U	0.31 J	0.22 U	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	340 U	6.6 U	0.59 U	0.54 U	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	380 U	7.5 U	0.36 U	0.33 U	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	840 U	16 U	0.47 U	0.44 U	NA	NA	NA	NA	NA
TRICHLOROETHENE	410 U	7.9 U	0.37 U	0.34 U	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	670 U	13 U	0.3 U	0.28 U	NA	NA	NA	NA	NA
VINYL ACETATE	960 U	19 U	0.22 U	0.2 UR	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833K	SB-833L	SB-833M	SB-833N	SB-834	SB-835	SB-836	SB-837	SB-838
SAMPLE ID	E-SB-833K-02	E-SB-833L-02	E-SB-833M-02	E-SB-833N-02	E-SB-834-SS	E-SB-835-SS	E-SB-836-SS	E-SB-837-SS	E-SB-838-SS
SAMPLE DATE	20101013	20101013	20101013	20101014	20100916	20100917	20100917	20100917	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	2	2	2	2	0	0	0	0	0
BOTTOM DEPTH	2	2	2	2	1	1	1	1	1
VINYL CHLORIDE	750 U	15 U	0.34 U	0.32 U	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	38 U	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	38 U	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
ACENAPHTHENE	98	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	38 U	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
ANTHRACENE	240	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1788	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	1788	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	1300	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1200	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	1700	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	850	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	630	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833K	SB-833L	SB-833M	SB-833N	SB-834	SB-835	SB-836	SB-837	SB-838
SAMPLE ID	E-SB-833K-02	E-SB-833L-02	E-SB-833M-02	E-SB-833N-02	E-SB-834-SS	E-SB-835-SS	E-SB-836-SS	E-SB-837-SS	E-SB-838-SS
SAMPLE DATE	20101013	20101013	20101013	20101014	20100916	20100917	20100917	20100917	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	2	2	2	2	0	0	0	0	0
BOTTOM DEPTH	2	2	2	2	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	75 U	120 J	81 U	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	75 U	150 J	81 U	NA	NA
C1-FLUORENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	75 U	88 J	81 U	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C2-FLUORENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833K	SB-833L	SB-833M	SB-833N	SB-834	SB-835	SB-836	SB-837	SB-838
SAMPLE ID	E-SB-833K-02	E-SB-833L-02	E-SB-833M-02	E-SB-833N-02	E-SB-834-SS	E-SB-835-SS	E-SB-836-SS	E-SB-837-SS	E-SB-838-SS
SAMPLE DATE	20101013	20101013	20101013	20101014	20100916	20100917	20100917	20100917	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	2	2	2	2	0	0	0	0	0
BOTTOM DEPTH	2	2	2	2	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C3-FLUORENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	75 U	80 U	81 U	NA	NA
CHRYSENE	1200	1.3 U	1.3 U	13 U	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	210	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
FLUORANTHENE	2000	3.9 U	3.9 U	520	NA	NA	NA	NA	NA
FLUORENE	38 U	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	700	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
NAPHTHALENE	38 U	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
PHENANTHRENE	800	3.9 U	3.9 U	39 U	NA	NA	NA	NA	NA
PYRENE	1600	3.9 U	3.9 U	290	NA	NA	NA	NA	NA
TOTAL PAHS	12528	0 U	0 U	810	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	49000 U	25 U	250 U	25 U	24 U	250 U	25 U	23 U	23 U
AROCLOR-1221	37000 U	19 U	190 U	19 U	18 U	190 U	19 U	18 U	18 U
AROCLOR-1232	32000 U	17 U	160 U	17 U	16 U	170 U	17 U	16 U	16 U
AROCLOR-1242	30000 U	15 U	150 U	15 U	15 U	160 U	16 U	14 U	14 U
AROCLOR-1248	39000 U	20 U	200 U	20 U	19 U	200 U	20 U	19 U	19 U
AROCLOR-1254	39000 U	20 U	200 U	20 U	19 U	200 U	20 U	19 U	19 U
AROCLOR-1260	680000	26 J	1300	31 J	19 U	910	130	26 J	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	680000	26	1300	31	0 U	910	130	26	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	1400000 K	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	1400	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833K	SB-833L	SB-833M	SB-833N	SB-834	SB-835	SB-836	SB-837	SB-838
SAMPLE ID	E-SB-833K-02	E-SB-833L-02	E-SB-833M-02	E-SB-833N-02	E-SB-834-SS	E-SB-835-SS	E-SB-836-SS	E-SB-837-SS	E-SB-838-SS
SAMPLE DATE	20101013	20101013	20101013	20101014	20100916	20100917	20100917	20100917	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	2	2	2	2	0	0	0	0	0
BOTTOM DEPTH	2	2	2	2	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-839	SB-840	SB-841	SB-842	SB-843	SB-844	SB-845	SB-846	SB-847
SAMPLE ID	E-SB-839-SS	E-SB-840-SS	E-SB-841-SS	E-SB-842-SS	E-SB-843-SS	E-SB-844-SS	E-SB-845-SS	E-SB-846-SS	E-SB-847-SS
SAMPLE DATE	20100914	20100914	20100914	20100913	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-839	SB-840	SB-841	SB-842	SB-843	SB-844	SB-845	SB-846	SB-847
SAMPLE ID	E-SB-839-SS	E-SB-840-SS	E-SB-841-SS	E-SB-842-SS	E-SB-843-SS	E-SB-844-SS	E-SB-845-SS	E-SB-846-SS	E-SB-847-SS
SAMPLE DATE	20100914	20100914	20100914	20100913	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-839	SB-840	SB-841	SB-842	SB-843	SB-844	SB-845	SB-846	SB-847
SAMPLE ID	E-SB-839-SS	E-SB-840-SS	E-SB-841-SS	E-SB-842-SS	E-SB-843-SS	E-SB-844-SS	E-SB-845-SS	E-SB-846-SS	E-SB-847-SS
SAMPLE DATE	20100914	20100914	20100914	20100913	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-839	SB-840	SB-841	SB-842	SB-843	SB-844	SB-845	SB-846	SB-847
SAMPLE ID	E-SB-839-SS	E-SB-840-SS	E-SB-841-SS	E-SB-842-SS	E-SB-843-SS	E-SB-844-SS	E-SB-845-SS	E-SB-846-SS	E-SB-847-SS
SAMPLE DATE	20100914	20100914	20100914	20100913	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	6600 U	23 U	2200 U	23 U	24 U	240 U	11000 U	24 U	22 U
AROCLOR-1221	5000 U	17 U	1700 U	18 U	18 U	180 U	8500 U	18 U	17 U
AROCLOR-1232	4400 U	15 U	1500 U	15 U	16 U	160 U	7500 U	16 U	15 U
AROCLOR-1242	4100 U	14 U	1400 U	14 U	15 U	150 U	6900 U	15 U	14 U
AROCLOR-1248	5300 U	18 U	1800 U	19 U	19 U	190 U	9100 U	19 U	18 U
AROCLOR-1254	5300 U	18 U	1800 U	19 U	19 U	190 U	9100 U	19 U	18 U
AROCLOR-1260	41000	120	25000	19 U	19 U	2300	37000	53	64
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	41000	120	25000	0 U	0 U	2300	37000	53	64
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-839	SB-840	SB-841	SB-842	SB-843	SB-844	SB-845	SB-846	SB-847
SAMPLE ID	E-SB-839-SS	E-SB-840-SS	E-SB-841-SS	E-SB-842-SS	E-SB-843-SS	E-SB-844-SS	E-SB-845-SS	E-SB-846-SS	E-SB-847-SS
SAMPLE DATE	20100914	20100914	20100914	20100913	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-006	SB-540	SB-541	SB-541	SB-541	SB-541A
SAMPLE ID	SB-5A-SS	SB-6A-SS	SB-540-0001	SB-541-2	SB-541-SS0.5-1	SB-541-SS0-0.5	SB-541A-SS[SJ]
SAMPLE DATE	20040917	20040917	20071204	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS
TOP DEPTH	0	0	0	2	0.5	0	0
BOTTOM DEPTH	0	0	1	2	1	0.5	0
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	6 UJ	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	6 UJ	NA	NA	NA	NA	NA
2-BUTANONE	55 U	58 UJ	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	6 UJ	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	6 U	6 UJ	NA	NA	NA	NA	NA
2-HEXANONE	55 U	58 UJ	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	6 U	6 UJ	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	6 UJ	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	55 U	58 UJ	NA	NA	NA	NA	NA
ACETONE	55 U	58 UJ	NA	NA	NA	NA	NA
BENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
BROMOBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
BROMOFORM	6 U	6 UJ	NA	NA	NA	NA	NA
BROMOMETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
CARBON DISULFIDE	6 U	6 UJ	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 U	6 UJ	NA	NA	NA	NA	NA
CHLOROBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
CHLOROETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
CHLOROFORM	6 U	6 UJ	NA	NA	NA	NA	NA
CHLOROMETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	6 UJ	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	6 UJ	NA	NA	NA	NA	NA
DIBROMOMETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
M+P-XYLENES	11 U	12 UJ	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	6 UJ	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	8 J	9 J	NA	NA	NA	NA	NA
NAPHTHALENE	6 U	6 UJ	NA	NA	NA	NA	NA
N-BUTYLBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
N-PROPYLBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
O-XYLENE	6 U	6 UJ	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
STYRENE	6 U	6 UJ	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	6 UJ	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	6 UJ	NA	NA	NA	NA	NA
TOLUENE	6 U	6 UJ	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	6 UJ	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	6 UJ	NA	NA	NA	NA	NA
TRICHLOROETHENE	6 U	6 UJ	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-006	SB-540	SB-541	SB-541	SB-541	SB-541A
SAMPLE ID	SB-5A-SS	SB-6A-SS	SB-540-0001	SB-541-2	SB-541-SS0.5-1	SB-541-SS0-0.5	SB-541A-SS[SJ]
SAMPLE DATE	20040917	20040917	20071204	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS
TOP DEPTH	0	0	0	2	0.5	0	0
BOTTOM DEPTH	0	0	1	2	1	0.5	0
TRICHLOROFLUOROMETHANE	6 U	6 UJ	NA	NA	NA	NA	NA
VINYL ACETATE	6 U	6 UJ	NA	NA	NA	NA	NA
VINYL CHLORIDE	6 U	6 UJ	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	380 U	390 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	380 U	390 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	950 U	970 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	380 U	390 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	380 U	390 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	380 U	390 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	950 U	970 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	380 U	390 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	380 U	390 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	380 U	390 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	380 U	390 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	380 U	390 U	NA	NA	NA	NA	NA
2-NITROANILINE	950 U	44 J	NA	NA	NA	NA	NA
2-NITROPHENOL	380 U	390 U	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	380 U	390 U	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	380 U	390 U	NA	NA	NA	NA	NA
3-NITROANILINE	950 U	970 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	870 U	890 U	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	380 U	390 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	380 U	390 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	380 U	390 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	380 U	390 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	950 U	970 U	NA	NA	NA	NA	NA
4-NITROPHENOL	950 U	970 U	NA	NA	NA	NA	NA
ACETOPHENONE	380 U	390 U	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	380 U	390 U	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	380 U	390 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	380 U	390 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	380 U	390 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	380 U	390 U	NA	NA	NA	NA	NA
CAPROLACTAM	380 U	390 U	NA	NA	NA	NA	NA
CARBAZOLE	380 U	390 U	NA	NA	NA	NA	NA
DIBENZOFURAN	380 U	390 U	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	380 U	390 U	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	380 U	390 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	380 U	390 U	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	380 U	390 UJ	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	380 U	390 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	380 U	390 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	380 U	390 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	380 U	390 U	NA	NA	NA	NA	NA
ISOPHORONE	380 U	390 U	NA	NA	NA	NA	NA
NITROBENZENE	380 U	390 U	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	380 U	390 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	380 U	390 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	950 U	970 U	NA	NA	NA	NA	NA
PHENOL	380 U	390 U	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	380 U	390 U	NA	NA	NA	NA	NA
ACENAPHTHENE	380 U	390 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	380 U	390 U	NA	NA	NA	NA	NA
ANTHRACENE	380 U	390 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	380 U	390 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	380 U	390 U	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	380 U	390 U	NA	NA	NA	NA	NA
BENZO(A)PYRENE	380 U	390 UJ	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	380 U	390 UJ	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-006	SB-540	SB-541	SB-541	SB-541	SB-541A
SAMPLE ID	SB-5A-SS	SB-6A-SS	SB-540-0001	SB-541-2	SB-541-SS0.5-1	SB-541-SS0-0.5	SB-541A-SS[SJ]
SAMPLE DATE	20040917	20040917	20071204	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS
TOP DEPTH	0	0	0	2	0.5	0	0
BOTTOM DEPTH	0	0	1	2	1	0.5	0
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	380 U	390 UJ	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	380 U	390 UJ	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-006	SB-540	SB-541	SB-541	SB-541	SB-541A
SAMPLE ID	SB-5A-SS	SB-6A-SS	SB-540-0001	SB-541-2	SB-541-SS0.5-1	SB-541-SS0-0.5	SB-541A-SS[SJ]
SAMPLE DATE	20040917	20040917	20071204	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS
TOP DEPTH	0	0	0	2	0.5	0	0
BOTTOM DEPTH	0	0	1	2	1	0.5	0
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	380 U	390 U	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	380 U	390 UJ	NA	NA	NA	NA	NA
FLUORANTHENE	380 U	390 U	NA	NA	NA	NA	NA
FLUORENE	380 U	390 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	380 U	390 UJ	NA	NA	NA	NA	NA
NAPHTHALENE	380 U	390 U	NA	NA	NA	NA	NA
PHENANTHRENE	380 U	390 U	NA	NA	NA	NA	NA
PYRENE	380 U	390 U	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	280 U	290 U	400 U	20 U	20 U	20 U	89 U
AROCLOR-1221	280 U	290 U	400 U	20 U	20 U	20 U	89 U
AROCLOR-1232	280 U	290 U	400 U	20 U	20 U	20 U	89 U
AROCLOR-1242	280 U	290 U	400 U	20 U	20 U	20 U	89 U
AROCLOR-1248	280 U	290 U	400 U	20 U	20 U	20 U	89 U
AROCLOR-1254	280 U	290 U	400 U	20 U	20 U	20 U	89 U
AROCLOR-1260	280 U	290 U	1800	20 U	20 U	20 U	490
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	1800	0 U	0 U	0 U	490
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	2.8 U	2.8 U	NA	NA	NA	NA	NA
ARSENIC	1.1	1.7	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	2.8 U	2.8 U	NA	NA	NA	NA	NA
CADMIUM	2.8 U	2.8 U	NA	NA	NA	NA	NA
CHROMIUM	29	10 K	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	5.8 L	5.1 L	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	8 J	2.8 UJ	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.11 U	0.11 U	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	3.6 K	5.6 K	NA	NA	NA	NA	NA
SELENIUM	2.8 U	2.8 U	NA	NA	NA	NA	NA
SILVER	2.8 UL	2.8 UL	NA	NA	NA	NA	NA
THALLIUM	2.2 UL	2.3 UL	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	28 UL	28 UL	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	11000 U	11000 U	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	110 U	170	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	81.9	82	82	81	94
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-006	SB-540	SB-541	SB-541	SB-541	SB-541A
SAMPLE ID	SB-5A-SS	SB-6A-SS	SB-540-0001	SB-541-2	SB-541-SS0.5-1	SB-541-SS0-0.5	SB-541A-SS[SJ]
SAMPLE DATE	20040917	20040917	20071204	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS
TOP DEPTH	0	0	0	2	0.5	0	0
BOTTOM DEPTH	0	0	1	2	1	0.5	0
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-541A	SB-541A	SB-542	SB-542	SB-542	SB-543	SB-543	SB-543	SB-543A
SAMPLE ID	SB-541A-SS0.5-1	SB-541A-SS0-0.5	SB-542-2	SB-542-SS0.5-1	SB-542-SS0-0.5	SB-543-2	SB-543-SS0.5-1	SB-543-SS0-0.5	SB-543A-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-541A	SB-541A	SB-542	SB-542	SB-542	SB-543	SB-543	SB-543	SB-543A
SAMPLE ID	SB-541A-SS0.5-1	SB-541A-SS0-0.5	SB-542-2	SB-542-SS0.5-1	SB-542-SS0-0.5	SB-543-2	SB-543-SS0.5-1	SB-543-SS0-0.5	SB-543A-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-541A	SB-541A	SB-542	SB-542	SB-542	SB-543	SB-543	SB-543	SB-543A
SAMPLE ID	SB-541A-SS0.5-1	SB-541A-SS0-0.5	SB-542-2	SB-542-SS0.5-1	SB-542-SS0-0.5	SB-543-2	SB-543-SS0.5-1	SB-543-SS0-0.5	SB-543A-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-541A	SB-541A	SB-542	SB-542	SB-542	SB-543	SB-543	SB-543	SB-543A
SAMPLE ID	SB-541A-SS0.5-1	SB-541A-SS0-0.5	SB-542-2	SB-542-SS0.5-1	SB-542-SS0-0.5	SB-543-2	SB-543-SS0.5-1	SB-543-SS0-0.5	SB-543A-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	21 U	21 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U
AROCLOR-1221	21 U	21 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U
AROCLOR-1232	21 U	21 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U
AROCLOR-1242	21 U	21 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U
AROCLOR-1248	21 U	21 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U
AROCLOR-1254	21 U	21 U	19 U	19 U	20 U	20 U	19 U	19 U	20 U
AROCLOR-1260	19 J	21 J	19 U	19 U	20 U	20 U	19 U	5.4 J	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	19	21	0 U	0 U	0 U	0 U	0 U	5.4	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	79	79	88	86	85	85	88	87	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-541A	SB-541A	SB-542	SB-542	SB-542	SB-543	SB-543	SB-543	SB-543A
SAMPLE ID	SB-541A-SS0.5-1	SB-541A-SS0-0.5	SB-542-2	SB-542-SS0.5-1	SB-542-SS0-0.5	SB-543-2	SB-543-SS0.5-1	SB-543-SS0-0.5	SB-543A-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-543A	SB-544	SB-544	SB-544	SB-544A	SB-544A	SB-544A
SAMPLE ID	SB-543A-SS[SJ]	SB-543A-SS0.5-1	SB-543A-SS0-0.5	SB-544-2	SB-544-SS0.5-1	SB-544-SS0-0.5	SB-544A-SS[SJ]	SB-544A-SS0.5-1	SB-544A-SS0-0.5
SAMPLE DATE	20081111	20081111	20081111	20081023	20081023	20081023	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS	SS	SS
TOP DEPTH	0	0.5	0	2	0.5	0	0	0.5	0
BOTTOM DEPTH	0	1	0.5	2	1	0.5	0	1	0.5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-543A	SB-544	SB-544	SB-544	SB-544A	SB-544A	SB-544A
SAMPLE ID	SB-543A-SS[SJ]	SB-543A-SS0.5-1	SB-543A-SS0-0.5	SB-544-2	SB-544-SS0.5-1	SB-544-SS0-0.5	SB-544A-SS[SJ]	SB-544A-SS0.5-1	SB-544A-SS0-0.5
SAMPLE DATE	20081111	20081111	20081111	20081023	20081023	20081023	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS	SS	SS
TOP DEPTH	0	0.5	0	2	0.5	0	0	0.5	0
BOTTOM DEPTH	0	1	0.5	2	1	0.5	0	1	0.5
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-543A	SB-544	SB-544	SB-544	SB-544A	SB-544A	SB-544A
SAMPLE ID	SB-543A-SS[SJ]	SB-543A-SS0.5-1	SB-543A-SS0-0.5	SB-544-2	SB-544-SS0.5-1	SB-544-SS0-0.5	SB-544A-SS[SJ]	SB-544A-SS0.5-1	SB-544A-SS0-0.5
SAMPLE DATE	20081111	20081111	20081111	20081023	20081023	20081023	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS	SS	SS
TOP DEPTH	0	0.5	0	2	0.5	0	0	0.5	0
BOTTOM DEPTH	0	1	0.5	2	1	0.5	0	1	0.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-543A	SB-544	SB-544	SB-544	SB-544A	SB-544A	SB-544A
SAMPLE ID	SB-543A-SS[SJ]	SB-543A-SS0.5-1	SB-543A-SS0-0.5	SB-544-2	SB-544-SS0.5-1	SB-544-SS0-0.5	SB-544A-SS[SJ]	SB-544A-SS0.5-1	SB-544A-SS0-0.5
SAMPLE DATE	20081111	20081111	20081111	20081023	20081023	20081023	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS	SS	SS
TOP DEPTH	0	0.5	0	2	0.5	0	0	0.5	0
BOTTOM DEPTH	0	1	0.5	2	1	0.5	0	1	0.5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	180 U	19 U	20 U	20 U	20 U	19 U	17 U	20 U	19 U
AROCLOR-1221	180 U	19 U	20 U	20 U	20 U	19 U	17 U	20 U	19 U
AROCLOR-1232	180 U	19 U	20 U	20 U	20 U	19 U	17 U	20 U	19 U
AROCLOR-1242	180 U	19 U	20 U	20 U	20 U	19 U	17 U	20 U	19 U
AROCLOR-1248	180 U	19 U	20 U	20 U	20 U	19 U	17 U	20 U	19 U
AROCLOR-1254	180 U	19 U	20 U	20 U	20 U	19 U	17 U	20 U	19 U
AROCLOR-1260	940	77	91	20 U	20 U	19 U	41	23	190
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	940	77	91	0 U	0 U	0 U	41	23	190
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	94	NA	82	82	84	87	95	84	88
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-543A	SB-544	SB-544	SB-544	SB-544A	SB-544A	SB-544A
SAMPLE ID	SB-543A-SS[SJ]	SB-543A-SS0.5-1	SB-543A-SS0-0.5	SB-544-2	SB-544-SS0.5-1	SB-544-SS0-0.5	SB-544A-SS[SJ]	SB-544A-SS0.5-1	SB-544A-SS0-0.5
SAMPLE DATE	20081111	20081111	20081111	20081023	20081023	20081023	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SS	SS	SS	SS	SS
TOP DEPTH	0	0.5	0	2	0.5	0	0	0.5	0
BOTTOM DEPTH	0	1	0.5	2	1	0.5	0	1	0.5
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-545	SB-545	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546
SAMPLE ID	SB-545-SS0.5-1	SB-545-SS0-0.5	SB-546-2	SB-546-2-AVG	SB-546-2-D	SB-546-SS0.5-1	SB-546-SS0.5-1-AVG	SB-546-SS0.5-1-D	SB-546-SS0-0.5
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	0.5	0	2	2	2	0.5	0.5	0.5	0
BOTTOM DEPTH	1	0.5	2	2	2	1	1	1	0.5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-545	SB-545	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546
SAMPLE ID	SB-545-SS0.5-1	SB-545-SS0-0.5	SB-546-2	SB-546-2-AVG	SB-546-2-D	SB-546-SS0.5-1	SB-546-SS0.5-1-AVG	SB-546-SS0.5-1-D	SB-546-SS0-0.5
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	0.5	0	2	2	2	0.5	0.5	0.5	0
BOTTOM DEPTH	1	0.5	2	2	2	1	1	1	0.5
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-545	SB-545	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546
SAMPLE ID	SB-545-SS0.5-1	SB-545-SS0-0.5	SB-546-2	SB-546-2-AVG	SB-546-2-D	SB-546-SS0.5-1	SB-546-SS0.5-1-AVG	SB-546-SS0.5-1-D	SB-546-SS0-0.5
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	0.5	0	2	2	2	0.5	0.5	0.5	0
BOTTOM DEPTH	1	0.5	2	2	2	1	1	1	0.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-545	SB-545	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546
SAMPLE ID	SB-545-SS0.5-1	SB-545-SS0-0.5	SB-546-2	SB-546-2-AVG	SB-546-2-D	SB-546-SS0.5-1	SB-546-SS0.5-1-AVG	SB-546-SS0.5-1-D	SB-546-SS0-0.5
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	0.5	0	2	2	2	0.5	0.5	0.5	0
BOTTOM DEPTH	1	0.5	2	2	2	1	1	1	0.5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	21 U	20 U	20 U	19.5 U	19 U	18 U	18.5 U	19 U	19 U
AROCLOR-1221	21 U	20 U	20 U	19.5 U	19 U	18 U	18.5 U	19 U	19 U
AROCLOR-1232	21 U	20 U	20 U	19.5 U	19 U	18 U	18.5 U	19 U	19 U
AROCLOR-1242	21 U	20 U	20 U	19.5 U	19 U	18 U	18.5 U	19 U	19 U
AROCLOR-1248	21 U	20 U	20 U	19.5 U	19 U	18 U	18.5 U	19 U	19 U
AROCLOR-1254	21 U	20 U	20 U	19.5 U	19 U	18 U	18.5 U	19 U	19 U
AROCLOR-1260	21 U	20 U	20 U	19.5 U	19 U	18 U	18.5 U	19 UJ	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	81	84	85	85.5	86	90	88	86	90
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-545	SB-545	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546
SAMPLE ID	SB-545-SS0.5-1	SB-545-SS0-0.5	SB-546-2	SB-546-2-AVG	SB-546-2-D	SB-546-SS0.5-1	SB-546-SS0.5-1-AVG	SB-546-SS0.5-1-D	SB-546-SS0-0.5
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	0.5	0	2	2	2	0.5	0.5	0.5	0
BOTTOM DEPTH	1	0.5	2	2	2	1	1	1	0.5
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-546	SB-546	SB-546A	SB-546A	SB-546A	SB-547	SB-547	SB-547	SB-548
SAMPLE ID	SB-546-SS0-0.5-AVG	SB-546-SS0-0.5-D	SB-546A-SS[SJ]	SB-546A-SS0.5-1	SB-546A-SS0-0.5	SB-547-2	SB-547-SS0.5-1	SB-547-SS0-0.5	SB-548-2
SAMPLE DATE	20081023	20081023	20081111	20081111	20081111	20081021	20081021	20081021	20081023
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SS	SB
TOP DEPTH	0	0	0	0.5	0	2	0.5	0	2
BOTTOM DEPTH	0.5	0.5	0	1	0.5	2	1	0.5	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-546	SB-546	SB-546A	SB-546A	SB-546A	SB-547	SB-547	SB-547	SB-548
SAMPLE ID	SB-546-SS0-0.5-AVG	SB-546-SS0-0.5-D	SB-546A-SS[SJ]	SB-546A-SS0.5-1	SB-546A-SS0-0.5	SB-547-2	SB-547-SS0.5-1	SB-547-SS0-0.5	SB-548-2
SAMPLE DATE	20081023	20081023	20081111	20081111	20081111	20081021	20081021	20081021	20081023
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SS	SB
TOP DEPTH	0	0	0	0.5	0	2	0.5	0	2
BOTTOM DEPTH	0.5	0.5	0	1	0.5	2	1	0.5	2
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-546	SB-546	SB-546A	SB-546A	SB-546A	SB-547	SB-547	SB-547	SB-548
SAMPLE ID	SB-546-SS0-0.5-AVG	SB-546-SS0-0.5-D	SB-546A-SS[SJ]	SB-546A-SS0.5-1	SB-546A-SS0-0.5	SB-547-2	SB-547-SS0.5-1	SB-547-SS0-0.5	SB-548-2
SAMPLE DATE	20081023	20081023	20081111	20081111	20081111	20081021	20081021	20081021	20081023
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SS	SB
TOP DEPTH	0	0	0	0.5	0	2	0.5	0	2
BOTTOM DEPTH	0.5	0.5	0	1	0.5	2	1	0.5	2
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-546	SB-546	SB-546A	SB-546A	SB-546A	SB-547	SB-547	SB-547	SB-548
SAMPLE ID	SB-546-SS0-0.5-AVG	SB-546-SS0-0.5-D	SB-546A-SS[SJ]	SB-546A-SS0.5-1	SB-546A-SS0-0.5	SB-547-2	SB-547-SS0.5-1	SB-547-SS0-0.5	SB-548-2
SAMPLE DATE	20081023	20081023	20081111	20081111	20081111	20081021	20081021	20081021	20081023
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SS	SB
TOP DEPTH	0	0	0	0.5	0	2	0.5	0	2
BOTTOM DEPTH	0.5	0.5	0	1	0.5	2	1	0.5	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	19 U	18 U	20 U	920 U	19 U	18 U	19 U	19 U
AROCLOR-1221	19 U	19 U	18 U	20 U	920 U	19 U	18 U	19 U	19 U
AROCLOR-1232	19 U	19 U	18 U	20 U	920 U	19 U	18 U	19 U	19 U
AROCLOR-1242	19 U	19 U	18 U	20 U	920 U	19 U	18 U	19 U	19 U
AROCLOR-1248	19 U	19 U	18 U	20 U	920 U	19 U	18 U	19 U	19 U
AROCLOR-1254	19 U	19 U	18 U	20 U	920 U	19 U	18 U	19 U	19 U
AROCLOR-1260	19 U	19 U	66	140	9600	19 U	18 U	19 U	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	66	140	9600	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	89.5	89	94	85	91	88	91	89	86
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-546	SB-546	SB-546A	SB-546A	SB-546A	SB-547	SB-547	SB-547	SB-548
SAMPLE ID	SB-546-SS0-0.5-AVG	SB-546-SS0-0.5-D	SB-546A-SS[SJ]	SB-546A-SS0.5-1	SB-546A-SS0-0.5	SB-547-2	SB-547-SS0.5-1	SB-547-SS0-0.5	SB-548-2
SAMPLE DATE	20081023	20081023	20081111	20081111	20081111	20081021	20081021	20081021	20081023
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SS	SB
TOP DEPTH	0	0	0	0.5	0	2	0.5	0	2
BOTTOM DEPTH	0.5	0.5	0	1	0.5	2	1	0.5	2
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-549
SAMPLE ID	SB-548-2-AVG	SB-548-2-D	SB-548-SS0.5-1	SB-548-SS0.5-1-AVG	SB-548-SS0.5-1-D	SB-548-SS0-0.5	SB-548-SS0-0.5-AVG	SB-548-SS0-0.5-D	SB-549-2
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	AVG	DUP	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SS	SS	SS	SS	SB
TOP DEPTH	2	2	0.5	0.5	0.5	0	0	0	2
BOTTOM DEPTH	2	2	1	1	1	0.5	0.5	0.5	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-549
SAMPLE ID	SB-548-2-AVG	SB-548-2-D	SB-548-SS0.5-1	SB-548-SS0.5-1-AVG	SB-548-SS0.5-1-D	SB-548-SS0-0.5	SB-548-SS0-0.5-AVG	SB-548-SS0-0.5-D	SB-549-2
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	AVG	DUP	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SS	SS	SS	SS	SB
TOP DEPTH	2	2	0.5	0.5	0.5	0	0	0	2
BOTTOM DEPTH	2	2	1	1	1	0.5	0.5	0.5	2
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-549
SAMPLE ID	SB-548-2-AVG	SB-548-2-D	SB-548-SS0.5-1	SB-548-SS0.5-1-AVG	SB-548-SS0.5-1-D	SB-548-SS0-0.5	SB-548-SS0-0.5-AVG	SB-548-SS0-0.5-D	SB-549-2
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	AVG	DUP	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SS	SS	SS	SS	SB
TOP DEPTH	2	2	0.5	0.5	0.5	0	0	0	2
BOTTOM DEPTH	2	2	1	1	1	0.5	0.5	0.5	2
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-549
SAMPLE ID	SB-548-2-AVG	SB-548-2-D	SB-548-SS0.5-1	SB-548-SS0.5-1-AVG	SB-548-SS0.5-1-D	SB-548-SS0-0.5	SB-548-SS0-0.5-AVG	SB-548-SS0-0.5-D	SB-549-2
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	AVG	DUP	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SS	SS	SS	SS	SB
TOP DEPTH	2	2	0.5	0.5	0.5	0	0	0	2
BOTTOM DEPTH	2	2	1	1	1	0.5	0.5	0.5	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U
AROCLOR-1221	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U
AROCLOR-1232	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U
AROCLOR-1242	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U
AROCLOR-1248	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U
AROCLOR-1254	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U
AROCLOR-1260	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	87	88	87	88	89	88	87	86	85
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-549
SAMPLE ID	SB-548-2-AVG	SB-548-2-D	SB-548-SS0.5-1	SB-548-SS0.5-1-AVG	SB-548-SS0.5-1-D	SB-548-SS0-0.5	SB-548-SS0-0.5-AVG	SB-548-SS0-0.5-D	SB-549-2
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	AVG	DUP	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SS	SS	SS	SS	SB
TOP DEPTH	2	2	0.5	0.5	0.5	0	0	0	2
BOTTOM DEPTH	2	2	1	1	1	0.5	0.5	0.5	2
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A	SB-550A
SAMPLE ID	SB-549-2-AVG	SB-549-2-D	SB-549-SS0.5-1	SB-549-SS0-0.5	SB-550-2	SB-550-SS0.5-1	SB-550-SS0-0.5	SB-550A-2	SB-550A-SS[SJ]
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081111	20081111
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SB	SS	SS	SB	SS
TOP DEPTH	2	2	0.5	0	2	0.5	0	2	0
BOTTOM DEPTH	2	2	1	0.5	2	1	0.5	2	0
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A	SB-550A
SAMPLE ID	SB-549-2-AVG	SB-549-2-D	SB-549-SS0.5-1	SB-549-SS0-0.5	SB-550-2	SB-550-SS0.5-1	SB-550-SS0-0.5	SB-550A-2	SB-550A-SS[SJ]
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081111	20081111
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SB	SS	SS	SB	SS
TOP DEPTH	2	2	0.5	0	2	0.5	0	2	0
BOTTOM DEPTH	2	2	1	0.5	2	1	0.5	2	0
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A	SB-550A
SAMPLE ID	SB-549-2-AVG	SB-549-2-D	SB-549-SS0.5-1	SB-549-SS0-0.5	SB-550-2	SB-550-SS0.5-1	SB-550-SS0-0.5	SB-550A-2	SB-550A-SS[SJ]
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081111	20081111
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SB	SS	SS	SB	SS
TOP DEPTH	2	2	0.5	0	2	0.5	0	2	0
BOTTOM DEPTH	2	2	1	0.5	2	1	0.5	2	0
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A	SB-550A
SAMPLE ID	SB-549-2-AVG	SB-549-2-D	SB-549-SS0.5-1	SB-549-SS0-0.5	SB-550-2	SB-550-SS0.5-1	SB-550-SS0-0.5	SB-550A-2	SB-550A-SS[SJ]
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081111	20081111
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SB	SS	SS	SB	SS
TOP DEPTH	2	2	0.5	0	2	0.5	0	2	0
BOTTOM DEPTH	2	2	1	0.5	2	1	0.5	2	0
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U	17 U
AROCLOR-1221	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U	17 U
AROCLOR-1232	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U	17 U
AROCLOR-1242	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U	17 U
AROCLOR-1248	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U	17 U
AROCLOR-1254	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U	17 U
AROCLOR-1260	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U	61
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	61
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	85.5	86	85	87	85	84	86	84	95
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A	SB-550A
SAMPLE ID	SB-549-2-AVG	SB-549-2-D	SB-549-SS0.5-1	SB-549-SS0-0.5	SB-550-2	SB-550-SS0.5-1	SB-550-SS0-0.5	SB-550A-2	SB-550A-SS[SJ]
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081111	20081111
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SB	SS	SS	SB	SS
TOP DEPTH	2	2	0.5	0	2	0.5	0	2	0
BOTTOM DEPTH	2	2	1	0.5	2	1	0.5	2	0
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-550A	SB-550A	SB-551	SB-551	SB-551	SB-552	SB-552	SB-552	SB-553
SAMPLE ID	SB-550A-SS0.5-1	SB-550A-SS0-0.5	SB-551-2	SB-551-SS0.5-1	SB-551-SS0-0.5	SB-552-2	SB-552-SS0.5-1	SB-552-SS0-0.5	SB-553-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-550A	SB-550A	SB-551	SB-551	SB-551	SB-552	SB-552	SB-552	SB-553
SAMPLE ID	SB-550A-SS0.5-1	SB-550A-SS0-0.5	SB-551-2	SB-551-SS0.5-1	SB-551-SS0-0.5	SB-552-2	SB-552-SS0.5-1	SB-552-SS0-0.5	SB-553-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-550A	SB-550A	SB-551	SB-551	SB-551	SB-552	SB-552	SB-552	SB-553
SAMPLE ID	SB-550A-SS0.5-1	SB-550A-SS0-0.5	SB-551-2	SB-551-SS0.5-1	SB-551-SS0-0.5	SB-552-2	SB-552-SS0.5-1	SB-552-SS0-0.5	SB-553-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-550A	SB-550A	SB-551	SB-551	SB-551	SB-552	SB-552	SB-552	SB-553
SAMPLE ID	SB-550A-SS0.5-1	SB-550A-SS0-0.5	SB-551-2	SB-551-SS0.5-1	SB-551-SS0-0.5	SB-552-2	SB-552-SS0.5-1	SB-552-SS0-0.5	SB-553-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	20 U	20 U	21 U	20 U	18 U	20 U	19 U	19 U	20 U
AROCLOR-1221	20 U	20 U	21 U	20 U	18 U	20 U	19 U	19 U	20 U
AROCLOR-1232	20 U	20 U	21 U	20 U	18 U	20 U	19 U	19 U	20 U
AROCLOR-1242	20 U	20 U	21 U	20 U	18 U	20 U	19 U	19 U	20 U
AROCLOR-1248	20 U	20 U	21 U	20 U	18 U	20 U	19 U	19 U	20 U
AROCLOR-1254	20 U	20 U	21 U	20 U	18 U	20 U	19 U	19 U	20 U
AROCLOR-1260	20 U	12 J	21 U	20 U	5.6 J	20 U	27	19 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	12	0 U	0 U	5.6	0 U	27	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	81	82	80	83	91	85	87	86	82
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-550A	SB-550A	SB-551	SB-551	SB-551	SB-552	SB-552	SB-552	SB-553
SAMPLE ID	SB-550A-SS0.5-1	SB-550A-SS0-0.5	SB-551-2	SB-551-SS0.5-1	SB-551-SS0-0.5	SB-552-2	SB-552-SS0.5-1	SB-552-SS0-0.5	SB-553-2
SAMPLE DATE	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH	1	0.5	2	1	0.5	2	1	0.5	2
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-553	SB-554	SB-554	SB-555	SB-555	SB-555	SB-556	SB-556	SB-556
SAMPLE ID	SB-553-SS0.5-1	SB-554-2	SB-554-SS0.5-1	SB-555-2	SB-555-SS0.5-1	SB-555-SS0-0.5	SB-556-2	SB-556-SS0.5-1	SB-556-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	0.5	2	0.5	2	0.5	0	2	0.5	0
BOTTOM DEPTH	1	2	1	2	1	0.5	2	1	0.5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-553	SB-554	SB-554	SB-555	SB-555	SB-555	SB-556	SB-556	SB-556
SAMPLE ID	SB-553-SS0.5-1	SB-554-2	SB-554-SS0.5-1	SB-555-2	SB-555-SS0.5-1	SB-555-SS0-0.5	SB-556-2	SB-556-SS0.5-1	SB-556-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	0.5	2	0.5	2	0.5	0	2	0.5	0
BOTTOM DEPTH	1	2	1	2	1	0.5	2	1	0.5
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-553	SB-554	SB-554	SB-555	SB-555	SB-555	SB-556	SB-556	SB-556
SAMPLE ID	SB-553-SS0.5-1	SB-554-2	SB-554-SS0.5-1	SB-555-2	SB-555-SS0.5-1	SB-555-SS0-0.5	SB-556-2	SB-556-SS0.5-1	SB-556-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	0.5	2	0.5	2	0.5	0	2	0.5	0
BOTTOM DEPTH	1	2	1	2	1	0.5	2	1	0.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-553	SB-554	SB-554	SB-555	SB-555	SB-555	SB-556	SB-556	SB-556
SAMPLE ID	SB-553-SS0.5-1	SB-554-2	SB-554-SS0.5-1	SB-555-2	SB-555-SS0.5-1	SB-555-SS0-0.5	SB-556-2	SB-556-SS0.5-1	SB-556-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	0.5	2	0.5	2	0.5	0	2	0.5	0
BOTTOM DEPTH	1	2	1	2	1	0.5	2	1	0.5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	19 U	19 U	950 U	910 U	1800 U	NA	20 U	18 U
AROCLOR-1221	19 U	19 U	19 U	950 U	910 U	1800 U	NA	20 U	18 U
AROCLOR-1232	19 U	19 U	19 U	950 U	910 U	1800 U	NA	20 U	18 U
AROCLOR-1242	19 U	19 U	19 U	950 U	910 U	1800 U	NA	20 U	18 U
AROCLOR-1248	19 U	19 U	19 U	950 U	910 U	1800 U	NA	20 U	18 U
AROCLOR-1254	19 U	19 U	19 U	950 U	4800	36000	NA	20 U	18 U
AROCLOR-1260	19 U	19 U	19 U	3800	3800 J	17000 J	NA	20 U	180
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	3800	8600	53000	NA	0 U	180
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	86	88	90	88	91	93	83	82	91
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-553	SB-554	SB-554	SB-555	SB-555	SB-555	SB-556	SB-556	SB-556
SAMPLE ID	SB-553-SS0.5-1	SB-554-2	SB-554-SS0.5-1	SB-555-2	SB-555-SS0.5-1	SB-555-SS0-0.5	SB-556-2	SB-556-SS0.5-1	SB-556-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	0.5	2	0.5	2	0.5	0	2	0.5	0
BOTTOM DEPTH	1	2	1	2	1	0.5	2	1	0.5
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-2	SB-557-SS0.5-1	SB-557-SS0-0.5	SB-558-2	SB-558-SS0.5-1	SB-558-SS0-0.5	SB-559-2	SB-559-SS0.5-1	SB-559-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-2	SB-557-SS0.5-1	SB-557-SS0-0.5	SB-558-2	SB-558-SS0.5-1	SB-558-SS0-0.5	SB-559-2	SB-559-SS0.5-1	SB-559-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-2	SB-557-SS0.5-1	SB-557-SS0-0.5	SB-558-2	SB-558-SS0.5-1	SB-558-SS0-0.5	SB-559-2	SB-559-SS0.5-1	SB-559-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-2	SB-557-SS0.5-1	SB-557-SS0-0.5	SB-558-2	SB-558-SS0.5-1	SB-558-SS0-0.5	SB-559-2	SB-559-SS0.5-1	SB-559-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	18 U	18 U	19 U	19 U	19 U	196 U	18 U	18 U	18 U
AROCLOR-1221	18 U	18 U	19 U	19 U	19 U	196 U	18 U	18 U	18 U
AROCLOR-1232	18 U	18 U	19 U	19 U	19 U	196 U	18 U	18 U	18 U
AROCLOR-1242	18 U	18 U	19 U	19 U	19 U	196 U	18 U	18 U	18 U
AROCLOR-1248	18 U	18 U	19 U	19 U	19 U	196 U	18 U	18 U	18 U
AROCLOR-1254	18 U	18 U	19 U	51	19 U	196 U	18 U	18 U	18 U
AROCLOR-1260	18 U	18 U	11 J	19 U	19 U	1600	18 U	18 U	5.2 J
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	11	51	0 U	1600	0 U	0 U	5.2
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	95	90	89	89	87	86	93	93	93
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-2	SB-557-SS0.5-1	SB-557-SS0-0.5	SB-558-2	SB-558-SS0.5-1	SB-558-SS0-0.5	SB-559-2	SB-559-SS0.5-1	SB-559-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-560	SB-560	SB-561	SB-561	SB-561	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-2	SB-560-SS0.5-1	SB-560-SS0-0.5	SB-561-2	SB-561-SS0.5-1	SB-561-SS0-0.5	SB-562-2	SB-562-SS0.5-1	SB-562-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-560	SB-560	SB-561	SB-561	SB-561	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-2	SB-560-SS0.5-1	SB-560-SS0-0.5	SB-561-2	SB-561-SS0.5-1	SB-561-SS0-0.5	SB-562-2	SB-562-SS0.5-1	SB-562-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-560	SB-560	SB-561	SB-561	SB-561	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-2	SB-560-SS0.5-1	SB-560-SS0-0.5	SB-561-2	SB-561-SS0.5-1	SB-561-SS0-0.5	SB-562-2	SB-562-SS0.5-1	SB-562-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-560	SB-560	SB-561	SB-561	SB-561	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-2	SB-560-SS0.5-1	SB-560-SS0-0.5	SB-561-2	SB-561-SS0.5-1	SB-561-SS0-0.5	SB-562-2	SB-562-SS0.5-1	SB-562-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	18 U	18 U	18 U	NA	NA	NA	NA	NA	NA
AROCLOR-1221	18 U	18 U	18 U	NA	NA	NA	NA	NA	NA
AROCLOR-1232	18 U	18 U	18 U	NA	NA	NA	NA	NA	NA
AROCLOR-1242	18 U	18 U	18 U	NA	NA	NA	NA	NA	NA
AROCLOR-1248	18 U	18 U	18 U	NA	NA	NA	NA	NA	NA
AROCLOR-1254	18 U	18 U	18 U	NA	NA	NA	NA	NA	NA
AROCLOR-1260	18 U	18 U	13 J	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	13	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	93	91	92	90	92	92	85	90	87
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-560	SB-560	SB-561	SB-561	SB-561	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-2	SB-560-SS0.5-1	SB-560-SS0-0.5	SB-561-2	SB-561-SS0.5-1	SB-561-SS0-0.5	SB-562-2	SB-562-SS0.5-1	SB-562-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-564	SB-564	SB-565	SB-565	SB-565
SAMPLE ID	SB-563-2	SB-563-SS0.5-1	SB-563-SS0-0.5	SB-564-2	SB-564-SS0.5-1	SB-564-SS0-0.5	SB-565-2	SB-565-SS0.5-1	SB-565-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-564	SB-564	SB-565	SB-565	SB-565
SAMPLE ID	SB-563-2	SB-563-SS0.5-1	SB-563-SS0-0.5	SB-564-2	SB-564-SS0.5-1	SB-564-SS0-0.5	SB-565-2	SB-565-SS0.5-1	SB-565-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-564	SB-564	SB-565	SB-565	SB-565
SAMPLE ID	SB-563-2	SB-563-SS0.5-1	SB-563-SS0-0.5	SB-564-2	SB-564-SS0.5-1	SB-564-SS0-0.5	SB-565-2	SB-565-SS0.5-1	SB-565-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-564	SB-564	SB-565	SB-565	SB-565
SAMPLE ID	SB-563-2	SB-563-SS0.5-1	SB-563-SS0-0.5	SB-564-2	SB-564-SS0.5-1	SB-564-SS0-0.5	SB-565-2	SB-565-SS0.5-1	SB-565-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	18 U	19 U	17 U	18 U	18 U	97 U	20 U	19 U
AROCLOR-1221	19 U	18 U	19 U	17 U	18 U	18 U	97 U	20 U	19 U
AROCLOR-1232	19 U	18 U	19 U	17 U	18 U	18 U	97 U	20 U	19 U
AROCLOR-1242	19 U	18 U	19 U	17 U	18 U	18 U	97 U	20 U	19 U
AROCLOR-1248	19 U	18 U	19 U	17 U	18 U	18 U	97 U	20 U	19 U
AROCLOR-1254	19 U	18 U	19 U	17 U	18 U	18 U	97 U	20 U	19 U
AROCLOR-1260	19 U	18 U	40	17 U	18 U	11 J	1000	340	210
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	40	0 U	0 U	11	1000	340	210
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	86	91	88	96	95	92	86	85	86
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-564	SB-564	SB-565	SB-565	SB-565
SAMPLE ID	SB-563-2	SB-563-SS0.5-1	SB-563-SS0-0.5	SB-564-2	SB-564-SS0.5-1	SB-564-SS0-0.5	SB-565-2	SB-565-SS0.5-1	SB-565-SS0-0.5
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-566	SB-566	SB-566	SB-567	SB-567	SB-567	SB-568	SB-568	SB-568
SAMPLE ID	SB-566-2	SB-566-SS0.5-1	SB-566-SS0-0.5	SB-567-2	SB-567-SS0.5-1	SB-567-SS0-0.5	SB-568-2	SB-568-SS0.5-1	SB-568-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081023	20081023	20081023	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-566	SB-566	SB-566	SB-567	SB-567	SB-567	SB-568	SB-568	SB-568
SAMPLE ID	SB-566-2	SB-566-SS0.5-1	SB-566-SS0-0.5	SB-567-2	SB-567-SS0.5-1	SB-567-SS0-0.5	SB-568-2	SB-568-SS0.5-1	SB-568-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081023	20081023	20081023	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-566	SB-566	SB-566	SB-567	SB-567	SB-567	SB-568	SB-568	SB-568
SAMPLE ID	SB-566-2	SB-566-SS0.5-1	SB-566-SS0-0.5	SB-567-2	SB-567-SS0.5-1	SB-567-SS0-0.5	SB-568-2	SB-568-SS0.5-1	SB-568-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081023	20081023	20081023	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-566	SB-566	SB-566	SB-567	SB-567	SB-567	SB-568	SB-568	SB-568
SAMPLE ID	SB-566-2	SB-566-SS0.5-1	SB-566-SS0-0.5	SB-567-2	SB-567-SS0.5-1	SB-567-SS0-0.5	SB-568-2	SB-568-SS0.5-1	SB-568-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081023	20081023	20081023	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	18 U	92 U	19 U	19 U	18 U	18 U	910 U	9000 U
AROCLOR-1221	19 U	18 U	92 U	19 U	19 U	18 U	18 U	910 U	9000 U
AROCLOR-1232	19 U	18 U	92 U	19 U	19 U	18 U	18 U	910 U	9000 U
AROCLOR-1242	19 U	18 U	92 U	19 U	19 U	18 U	18 U	910 U	9000 U
AROCLOR-1248	19 U	18 U	92 U	19 U	19 U	18 U	18 U	910 U	9000 U
AROCLOR-1254	19 U	18 U	92 U	19 U	19 U	18 U	18 U	910 U	9000 U
AROCLOR-1260	19 U	11 J	1200	4.3 J	5.4 J	25	18 U	11000	81000 J
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	11	1200	4.3	5.4	25	0 U	11000	81000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	90	91	91	90	87	91	91	92	93
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-566	SB-566	SB-566	SB-567	SB-567	SB-567	SB-568	SB-568	SB-568
SAMPLE ID	SB-566-2	SB-566-SS0.5-1	SB-566-SS0-0.5	SB-567-2	SB-567-SS0.5-1	SB-567-SS0-0.5	SB-568-2	SB-568-SS0.5-1	SB-568-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081023	20081023	20081023	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-569	SB-570	SB-570	SB-570	SB-571	SB-571	SB-571
SAMPLE ID	SB-569-2	SB-569-SS0.5-1	SB-569-SS0-0.5	SB-570-2	SB-570-SS0.5-1	SB-570-SS0-0.5	SB-571-2	SB-571-SS0.5-1	SB-571-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081022	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-569	SB-570	SB-570	SB-570	SB-571	SB-571	SB-571
SAMPLE ID	SB-569-2	SB-569-SS0.5-1	SB-569-SS0-0.5	SB-570-2	SB-570-SS0.5-1	SB-570-SS0-0.5	SB-571-2	SB-571-SS0.5-1	SB-571-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081022	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-569	SB-570	SB-570	SB-570	SB-571	SB-571	SB-571
SAMPLE ID	SB-569-2	SB-569-SS0.5-1	SB-569-SS0-0.5	SB-570-2	SB-570-SS0.5-1	SB-570-SS0-0.5	SB-571-2	SB-571-SS0.5-1	SB-571-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081022	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-569	SB-570	SB-570	SB-570	SB-571	SB-571	SB-571
SAMPLE ID	SB-569-2	SB-569-SS0.5-1	SB-569-SS0-0.5	SB-570-2	SB-570-SS0.5-1	SB-570-SS0-0.5	SB-571-2	SB-571-SS0.5-1	SB-571-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081022	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	20 U	690 U	19000 U	18 U	180 U	370 U	19 U	18 U	18 U
AROCLOR-1221	20 U	690 U	19000 U	18 U	180 U	370 U	19 U	18 U	18 U
AROCLOR-1232	20 U	690 U	19000 U	18 U	180 U	370 U	19 U	18 U	18 U
AROCLOR-1242	20 U	690 U	19000 U	18 U	180 U	370 U	19 U	18 U	18 U
AROCLOR-1248	20 U	690 U	19000 U	18 U	180 U	370 U	19 U	18 U	18 U
AROCLOR-1254	20 U	690 U	19000 U	18 U	180 U	370 U	19 U	18 U	18 U
AROCLOR-1260	20 U	7900	300000	18 U	3200	6800	19 U	18 U	18 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	7900	300000	0 U	3200	6800	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	85	97	88	92	91	90	90	91	94
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table a-7
Summary of Analytical Results for Surface Soils, 0-2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-569	SB-570	SB-570	SB-570	SB-571	SB-571	SB-571
SAMPLE ID	SB-569-2	SB-569-SS0.5-1	SB-569-SS0-0.5	SB-570-2	SB-570-SS0.5-1	SB-570-SS0-0.5	SB-571-2	SB-571-SS0.5-1	SB-571-SS0-0.5
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081022	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH	2	1	0.5	2	1	0.5	2	1	0.5
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-001 SB-1A-SS 20040921 NORMAL SO NORMAL SS 0 0	SB-002 SB-2A-01 20040920 NORMAL SO NORMAL SB 1 1	SB-003 SB-3A-SS 20040920 NORMAL SO NORMAL SS 0 0	SB-004 SB-04B-01 20050512 NORMAL SO NORMAL SB 1 1	SB-004 SB-4A-SS 20040921 NORMAL SO NORMAL SS 0 0	SB-035 SB-35-SS 20040917 NORMAL SO NORMAL SS 0 0	SB-036 SB-36-SS 20040917 NORMAL SO NORMAL SS 0 0	SB-041 SB-41S-SS 20041105 NORMAL SO NORMAL SS 0 0	SB-042 SB-42S-SS 20041105 NORMAL SO NORMAL SS 0 0	SB-169 SB-169-SS 20041105 NORMAL SO NORMAL SS 0 0
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	6 U	6 U	5 U	NA	45	6 U	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	6 U	6 U	5 U	NA	140	6 U	6 U	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	6 U	6 U	5 U	NA	6 U	6 U	6 U	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		6 U	6 U	5 U	NA	6 U	6 U	6 U	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	6 U	6 U	5 U	NA	6 U	6 U	6 U	NA	NA	NA
2-BUTANONE	4700000	2800000	N	56 U	59 U	53 U	NA	60 U	56 U	58 U	NA	NA	NA
ACETONE	7000000	6100000	N	56 U	59 U	53 U	NA	60 U	56 U	58 U	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	6 U	5 U	NA	6 U	6 U	6 U	NA	NA	NA
CHLOROBENZENE	160000	29000	N	6 U	6 U	5 U	NA	6 U	6 U	6 U	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	6 U	9 J	8 J	NA	8 J	8 J	8 J	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 U	6 U	5 U	NA	58	6 U	6 U	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	6 U	6 U	5 U	NA	6 U	6 U	6 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	6 U	6 U	5 U	NA	6 U	6 U	6 U	NA	NA	NA
TOLUENE	630000	500000	N	6 U	6 U	5 U	NA	6 U	6 U	6 U	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	940 U	980 U	9100 U	NA	990 U	950 U	990 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	380 U	390 U	3600 U	NA	390 U	380 U	390 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	380 U	390 U	3600 U	NA	390 U	380 U	390 U	NA	NA	NA
CAPROLACTAM	NC	3100000	N	140 J	390 U	3600 U	NA	390 U	380 U	390 U	NA	NA	NA
CARBAZOLE	32000	NC		380 U	390 U	3600 U	NA	89 J	380 U	390 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	380 U	390 U	3600 U	NA	250 J	380 U	390 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	380 U	390 U	3600 U	NA	390 U	380 U	390 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	380 U	390 U	3600 U	NA	41 J	380 U	390 U	NA	NA	NA
ACENAPHTHENE	470000	340000	N	380 U	390 U	3600 U	NA	180 J	380 U	390 U	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(6)	380 U	390 U	3600 U	NA	390 U	380 U	390 U	NA	NA	NA
ANTHRACENE	2300000	1700000	N	380 U	390 U	3600 U	NA	220 J	380 U	390 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		380 U	390 U	3600 U	NA	365	380 U	390 U	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	380 U	390 U	3600 U	NA	170	380 U	390 U	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	380 U	390 U	3600 U	NA	240 J	380 U	390 U	NA	NA	NA
BENZO(A)PYRENE	22	15	C	380 U	390 U	3600 UJ	NA	110 J	380 U	390 U	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	380 U	390 U	3600 UJ	NA	220 J	380 U	390 U	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	380 U	390 U	3600 UJ	NA	170 J	380 U	390 U	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	380 U	390 U	3600 UJ	NA	200 J	380 U	390 U	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	380 U	390 U	3600 U	NA	370 J	380 U	390 U	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	380 U	390 U	3600 UJ	NA	390 U	380 U	390 U	NA	NA	NA
FLUORANTHENE	310000	230000	N	380 U	390 U	440 J	NA	1200	380 U	390 U	NA	NA	NA
FLUORENE	310000	230000	N	380 U	390 U	3600 U	NA	150 J	380 U	390 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	380 U	390 U	3600 UJ	NA	120 J	380 U	390 U	NA	NA	NA
NAPHTHALENE	160000	3600	C	380 U	390 U	3600 U	NA	50 J	380 U	390 U	NA	NA	NA
PHENANTHRENE	2300000	170000	N(7)	380 U	390 U	3600 U	NA	2200	380 U	390 U	NA	NA	NA
PYRENE	230000	170000	N	380 U	390 U	440 J	NA	1000	380 U	390 U	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	880	NA	6471	0 U	0 U	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	280 U	290 U	270 U	38 U	58000 U	280 U	290 U	NA	NA	NA
AROCLOR-1254	320	110	N(4)	280 U	290 U	270 U	38 U	58000 U	280 U	290 U	NA	NA	NA
AROCLOR-1260	320	220	C	280 U	290 U	350	38 U	180000	280 U	290 U	NA	NA	NA
TOTAL AROCLOR	320 (8)	220	C(9)	0 U	0 U	350	0 U	180000	0 U	0 U	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	2.8 UL	2.9 U	2.4 U	NA	2.7 UL	2.5 U	2.9 U	NA	NA	NA
ARSENIC	0.43	0.39	C	1.1	0.98	1.5	NA	1.5	0.92	1.2	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	2.8 U	2.9 U	2.4 U	NA	2.7 U	2.5 U	2.9 U	NA	NA	NA
CADMIUM	3.9	7	N	2.8 U	2.9 U	2.4 U	NA	2.7 U	2.5 U	2.9 U	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	19 J	10 K	15	NA	18 J	6.6 K	15	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	8.2	15	13	NA	11	4.4 L	14	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		3	2.9 UJ	82 J	NA	8.9	3.9 J	4.7 J	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	0.11 U	0.11 U	0.098 U	NA	0.12	0.1 U	0.12 U	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	6.5	7.5	20	NA	14	4.3 K	10	NA	NA	NA
SELENIUM	39	39	N	2.8 U	2.9 U	2.4 U	NA	2.7 U	2.5 U	2.9 U	NA	NA	NA
SILVER	39	39	N	2.8 UR	2.9 UL	2.4 UL	NA	2.7 UR	2.5 UL	2.9 UL	NA	NA	NA
THALLIUM	0.55	NC		2.2 U	2.3 UL	2 UL	NA	2.2 U	2 UL	2.3 UL	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-001** **SB-1A-SS** **20040921** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-002** **SB-2A-01** **20040920** **NORMAL** **SO** **NORMAL** **SB** **1** **1**	**SB-003** **SB-3A-SS** **20040920** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-004** **SB-04B-01** **20050512** **NORMAL** **SO** **NORMAL** **SB** **1** **1**	**SB-004** **SB-4A-SS** **20040921** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-035** **SB-35-SS** **20040917** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-036** **SB-36-SS** **20040917** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-041** **SB-41S-SS** **20041105** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-042** **SB-42S-SS** **20041105** **NORMAL** **SO** **NORMAL** **SS** **0** **0**	**SB-169** **SB-169-SS** **20041105** **NORMAL** **SO** **NORMAL** **SS** **0** **0**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	28 UL	29 UL	110 L	NA	27 UL	25 UL	29 UL	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	11000 U	12000 U	11000 U	NA	**330000**	11000 U	13000	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	110 U	120 U	110 U	NA	830	120 U	120 U	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.03 U	1.02	0.15 U
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.1 U	2.3	0.1 U
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.1 UJ	0.67 J	0.38 UJ
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.145	-0.048 U	0.08 U
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.3	1.2	0.3 UJ
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.25 UJ	1.09 J	0.42 J
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	4.4	9.2	3.4
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.32 UJ	1.22 J	0.51 UJ
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.075 U	0.39	0.1 U

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-232 SB-232-01 20050512 NORMAL SO NORMAL SB 1 1	SB-232 SB-232-SS 20050512 NORMAL SO NORMAL SS 0 0	SB-233 SB-233-01 20050512 NORMAL SO NORMAL SB 1 1	SB-233 SB-233-SS 20050512 NORMAL SO NORMAL SS 0 0	SB-234 SB-234-01 20050512 NORMAL SO NORMAL SB 1 1	SB-234 SB-234-SS 20050512 NORMAL SO NORMAL SS 0 0	SB-235 SB-235-01 20050512 NORMAL SO NORMAL SB 1 1	SB-235 SB-235-SS 20050512 NORMAL SO NORMAL SS 0 0	SB-345 SB-345-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-346 SB-346-0001 20071102 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	39 U	37 U	39 U	32 J	39 U	37 U	37 U	58	35 U	390 U
AROCLOR-1254	320	110	N(4)	39 U	37 U	39 U	37 U	39 U	37 U	37 U	37 U	35 U	390 U
AROCLOR-1260	320	220	C	94	140	39 U	80	8.5 J	**1070**	37 U	108	**260**	**1700**
TOTAL AROCLOR	320 (8)	220	C(9)	94	140	0 U	112	8.5	**1070**	0 U	166	**260**	**1700**
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-232	SB-232	SB-233	SB-233	SB-234	SB-234	SB-235	SB-235	SB-345	SB-346
SAMPLE ID			SB-232-01	SB-232-SS	SB-233-01	SB-233-SS	SB-234-01	SB-234-SS	SB-235-01	SB-235-SS	SB-345-0001	SB-346-0001
SAMPLE DATE			20050512	20050512	20050512	20050512	20050512	20050512	20050512	20050512	20071102	20071102
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SS	SB	SS	SB	SS	SB	SS	SS	SS
TOP DEPTH			1	0	1	0	1	0	1	0	0	0
BOTTOM DEPTH			1	0	1	0	1	0	1	0	1	1
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	94.6	85.3
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-347 SB-347-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-348 SB-348-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-349 SB-349-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-350 SB-350-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-351 SB-351-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-352 SB-352-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-353 SB-353-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-354 SB-354-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-355 SB-355-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-356 SB-356-0001 20071102 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	2100 U	4200 U	4400 U	8200 U	4100 U	2800 U	740000 U	83000 U	21000 U	4500 U
AROCLOR-1254	320	110	N(4)	2100 U	4200 U	4400 U	8200 U	4100 U	2800 U	740000 U	83000 U	21000 U	4500 U
AROCLOR-1260	320	220	C	**7100**	**34000**	**24000**	**55000**	**21000**	**19000**	**1800000**	**400000**	**96000**	**25000**
TOTAL AROCLOR	320 (8)	220	C(9)	**7100**	**34000**	**24000**	**55000**	**21000**	**19000**	**1800000**	**400000**	**96000**	**25000**
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-347** **SB-347-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-348** **SB-348-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-349** **SB-349-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-350** **SB-350-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-351** **SB-351-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-352** **SB-352-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-353** **SB-353-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-354** **SB-354-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-355** **SB-355-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-356** **SB-356-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	79.1	78.1	75.6	80.1	81.2	58.9	89.2	79.1	80.3	73.6
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-357 SB-357-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-358 SB-358-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-359 SB-359-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-360 SB-360-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-361 SB-361-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-362 SB-362-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-363 SB-363-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-364 SB-364-0001 20071102 NORMAL SO NORMAL SS 0 1	SB-500 SB-500-0001 20071127 NORMAL SO NORMAL SS 0 1	SB-501 SB-501-0001 20071127 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	0.76 B	5.8 U
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	11 U	12 U
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	11 U	12 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	2.5 B	2.8 B
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	3.2 B	5.8 U
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	110 UR	120 UR
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	5.8 U
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	5.7 U	0.37 J
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	1.2 J	12 U
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	1100 U	15000 U
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	560 U	7600 U
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	560 U	7600 U
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	560 U	7600 U
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	27 J	7600 U
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	560 U	7600 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	560 U	7600 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	560 U	7600 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	25 J	7600 U
ACENAPHTHYLENE	470000	340000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	13 J	7600 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	78 J	7600 U
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	**542**	**4477**
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	**542**	**259**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	**280 J**	**240 J**
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	**340 J**	**190 J**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	**520 J**	**450 J**
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	360 J	7600 U
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	210 J	7600 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	300 J	220 J
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	**90 J**	7600 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	570	450 J
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	19 J	7600 U
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	**300 J**	7600 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	560 U	7600 U
PHENANTHRENE	2300000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	220 J	200 J
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	460 J	370 J
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	3785	2120
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	2100 U	3900 U	750 U	3900 U	38000 U	800 U	4400 U	2100 U	37 U	7600 U
AROCLOR-1254	320	110	N(4)	2100 U	3900 U	750 U	3900 U	38000 U	800 U	4400 U	2100 U	37 U	7600 U
AROCLOR-1260	320	220	C	**12000**	**27000**	**3700**	**27000**	**140000**	**5000**	**24000**	**12000**	47	**58000**
TOTAL AROCLOR	320 (8)	220	C(9)	**12000**	**27000**	**3700**	**27000**	**140000**	**5000**	**24000**	**12000**	47	**58000**
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	0.16 B	0.55 J
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	**1.3 L**	**3.4 L**
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	25.7	34.5
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	0.36	0.76
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	0.2	0.2
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA	NA	NA	NA	NA	9.9 K	13.8 K
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	**2.7 J**	**4.8 J**
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	7 J	7.9 J
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	**13200**	**13800**
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	15.9 J	12.3 J
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	48.8 L	53.2 L
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	0.019 U	0.061
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	0.34 B	0.42 B
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	4.8	6.7
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	0.29 L	0.26 L
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	0.04	0.081
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	0.063 B	0.1

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-357** **SB-357-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-358** **SB-358-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-359** **SB-359-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-360** **SB-360-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-361** **SB-361-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-362** **SB-362-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-363** **SB-363-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-364** **SB-364-0001** **20071102** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-500** **SB-500-0001** **20071127** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-501** **SB-501-0001** **20071127** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	**13.2**	**20.9**
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	42.7 J	36.1 J
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	18000 B	61000 J
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	77.5	84.2	88.5	84.4	87.3	82.4	74.3	78.6	88.1	86.7
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-502 SB-502-0001 20071127 NORMAL SO NORMAL SS 0 1	SB-503 SB-503-0001 20071127 ORIG SO NORMAL SS 0 1	SB-503 SB-503-0001-AVG 20071127 AVG SO NORMAL SS 0 1	SB-503 SB-503-0001-D 20071127 DUP SO NORMAL SS 0 1	SB-504 SB-504-0001 20071127 NORMAL SO NORMAL SS 0 1	SB-505 SB-505-0001 20071127 NORMAL SO NORMAL SS 0 1	SB-506 SB-506-0001 20071128 ORIG SO NORMAL SS 0 1	SB-506 SB-506-0001-AVG 20071128 AVG SO NORMAL SS 0 1	SB-506 SB-506-0001-D 20071128 DUP SO NORMAL SS 0 1	SB-507 SB-507-0001 20071128 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)														
1,2,3-TRICHLOROBENZENE	NC	4900	N	0.65 B	5.8 UJ	6.15 U	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
1,2,3-TRIMETHYLBENZENE	NC	NC		0.2 J	0.35 J	0.35 J	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	3.1 B	1 B	3.75 U	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
1,2-DICHLOROBENZENE	700000	190000	N	5.9 U	5.8 UJ	6.15 U	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
1,3-DICHLOROBENZENE	23000	NC		5.9 U	5.8 UJ	6.15 U	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
1,4-DICHLOROBENZENE	27000	2400	C	5.9 U	5.8 U	6.15 U	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
2-BUTANONE	4700000	2800000	N	12 U	12 U	12.5 U	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U
ACETONE	7000000	6100000	N	12 U	12 U	12.5 U	13 U	7.3 J	12 U	11 U	11.5 U	12 U	13 J
CARBON DISULFIDE	780000	82000	N	5.9 U	5.8 U	6.15 U	6.5 U	0.82 J	6 U	0.95 J	0.95 J	5.8 U	5.8 U
CHLOROBENZENE	160000	29000	N	5.9 U	5.8 U	6.15 U	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
METHYLENE CHLORIDE	85000	11000	C	2.4 B	3.6 B	3.4 U	3.2 B	1.6 B	1.7 B	2 B	2.05 U	2.1 B	5.1 B
NAPHTHALENE	160000	3600	C	0.87 B	11 B	8.75 U	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
O-XYLENE	1600000 (5)	380000	N	5.9 U	0.43 J	0.43 J	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
TERTIARY-BUTYL ALCOHOL	NC	NC		120 UR	120 UR	125 R	130 UR	110 UR	120 UR	110 UR	115 R	120 UR	120 UR
TETRACHLOROETHENE	1200	550	C	5.9 U	5.8 U	6.15 U	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
TOLUENE	630000	500000	N	5.9 U	0.46 J	0.46 J	6.5 U	5.5 U	6 U	5.7 U	5.75 U	5.8 U	5.8 U
TOTAL XYLENES	1600000 (5)	63000	N	12 U	1.1 J	1.1 J	13 U	11 U	12 U	11 U	11.5 U	12 U	12 U
SEMIVOLATILES (UG/KG)														
2-NITROANILINE	NC	61000	N	3900 U	12000 U	6425 U	850 U	720 U	800 U	750 U	755 U	760 U	770 U
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	2000 U	5800 U	37 J	37 J	360 U	93 J	380 U	24 J	24 J	37 J
BUTYL BENZYL PHTHALATE	NC	260000	C	2000 U	5800 U	3115 U	430 U	360 U	400 U	380 U	380 U	380 U	120 J
CAPROLACTAM	NC	3100000	N	2000 U	5800 U	3115 U	430 U	360 U	400 U	380 U	380 U	380 U	380 U
CARBAZOLE	32000	NC		2000 U	430 J	256	82 J	360 U	73 J	380 U	380 U	380 U	380 U
DIBENZOFURAN	7800	7800	N	2000 U	5800 U	34 J	34 J	360 U	400 U	380 U	380 U	380 U	380 U
DI-N-BUTYL PHTHALATE	780000	610000	N	2000 U	5800 U	3115 U	430 U	360 U	28 J	380 U	380 U	380 U	380 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
2-METHYLNAPHTHALENE	31000	31000	N	2000 U	190 J	105	20 J	360 U	9.8 J	380 U	380 U	380 U	380 U
ACENAPHTHENE	470000	340000	N	2000 U	470 J	277	84 J	7.5 J	45 J	380 U	380 U	380 U	380 U
ACENAPHTHYLENE	470000	340000	N(6)	84 J	330 J	183	36 J	360 U	13 J	380 U	380 U	380 U	380 U
ANTHRACENE	2300000	1700000	N	360 J	1500 J	835	170 J	16 J	95 J	380 U	380 U	380 U	380 U
BAP EQUIVALENT-HALFND	22	15		5574	10999	5944	890	306	827	380 U	380 U	380 U	229
BAP EQUIVALENT-POS	22	15	C	5574	10999	5944	890	126	827	380 U	380 U	380 U	18
BENZO(A)ANTHRACENE	220	150	C	4000	7300	3955	610	93 J	530	380 U	380 U	380 U	12 J
BENZO(A)PYRENE	22	15	C	3900	7600	4100	600	95 J	560	380 U	380 U	380 U	14 J
BENZO(B)FLUORANTHENE	220	150	C	4500	8100	4450	800	150 J	770	380 U	380 U	380 U	25 J
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	2100	5000 J	2685	370 J	67 J	360 J	380 U	380 U	380 U	8 J
BENZO(K)FLUORANTHENE	2200	1500	C	2100	3100 J	1705	310 J	71 J	330 J	380 U	380 U	380 U	380 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	3400	7700	4160	620	100 J	480	380 U	380 U	380 U	14 J
DIBENZO(A,H)ANTHRACENE	22	15	C	590 J	1400 J	755	110 J	360 U	100 J	380 U	380 U	380 U	380 U
FLUORANTHENE	310000	230000	N	6100	14000	7650	1300	220 J	1100	380 U	380 U	380 U	19 J
FLUORENE	310000	230000	N	2000 U	580 J	327.5	75 J	360 U	35 J	380 U	380 U	380 U	380 U
INDENO(1,2,3-CD)PYRENE	220	150	C	2100	4200 J	2275	350 J	59 J	330 J	380 U	380 U	380 U	380 U
NAPHTHALENE	160000	3600	C	2000 U	180 J	102	24 J	360 U	13 J	380 U	380 U	380 U	380 U
PHENANTHRENE	2300000	170000	N(7)	650 J	5600 J	3135	670	74 J	570	380 U	380 U	380 U	9.4 J
PYRENE	230000	170000	N	5400	16000	8500	1000	170 J	810	380 U	380 U	380 U	16 J
TOTAL PAHS	NC	NC		35284	83250	45199.5	7149	1122.5	6150.8	0 U	0 U	0 U	117.4
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1242	320	220	C	390 U	390 U	216.5 U	43 U	180 U	20000 U	38 U	38 U	38 U	38 U
AROCLOR-1254	320	110	N(4)	390 U	390 U	216.5 U	43 U	180 U	20000 U	38 U	38 U	38 U	38 U
AROCLOR-1260	320	220	C	1200	1700	910	120	1200	99000	12 J	11.5	11 J	38 U
TOTAL AROCLOR	320 (8)	220	C(9)	1200	1700	910	120	1200	99000	12	11.5	11	0 U
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	0.12 B	2.2 J	1.345	0.49 J	0.089 B	0.89	0.073 B	0.066 U	0.059 B	0.13 B
ARSENIC	0.43	0.39	C	1.8 L	2.6 L	2.45	2.3	0.53 L	3.5	1.8	1.75	1.7	2.1
BARIUM	1600	1500	N	34	121 J	82.1	43.2 J	153	90	19.2	17.1	15	20.7
BERYLLIUM	16	16	N	0.29	0.88 J	0.6	0.32 J	0.12	0.54	0.22	0.23	0.24	2
CADMIUM	3.9	7	N	0.19	1.5 J	1.16	0.82 J	0.41 K	6.4	0.014 B	0.0125	0.018	0.11 K
CHROMIUM	12000 (10)	12000	N(10)	8.4 K	33.4 J	25.7	18 J	12.7 J	83.7 J	7.1 J	8.65	10.2 J	11.2 J
COBALT	NC	2.3	N	2.2 J	5 J	4.05	3.1	4.6	4	2.1	2.25	2.4	10.8
COPPER	310	310	N	5.6 J	12.7 J	12.1	11.5 J	13.8 J	26.8 J	3.8 J	4.75	5.7 J	12.7 J
IRON	5500	5500	N	5610	13300	10655	8010	20800	9150	13700	11780	9860	20400
LEAD	400	400		20.4 J	68.2 J	53.1	38 J	8.6 J	278 J	4 J	4.1	4.2 J	10.9 J
MANGANESE	160	180	N	81.6 L	1370 J	787.5	205 J	231	11.2	172 J	109.25	46.5 J	135
MERCURY	2.3 (11)	2.3	N(12)	0.02 U	0.019 U	0.12975	0.25	0.41	0.13	0.019 U	0.019 U	0.019 U	0.29
MOLYBDENUM	NC	39	N	0.22 B	0.59 J	0.3775	0.33 B	0.78 B	1.2 L	0.3 B	0.245 U	0.19 B	0.15 B
NICKEL	160	150	N	5.8	11	8.8	6.6	6.9	18.5	4.1	4.75	5.4	15.6
SELENIUM	39	39	N	0.19 UL	0.25 L	0.245	0.24	0.18 U	0.42	0.18 U	0.18 U	0.18 U	0.32
SILVER	39	39	N	0.056	0.23	0.235	0.24	0.092	0.38	0.049	0.03325	0.035 B	0.2
THALLIUM	0.55	NC		0.032 B	0.069 B	0.05875	0.083 K	0.38	0.098 K	0.054 K	0.0585	0.063 K	0.07 K

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SB-502 SB-502-0001 20071127 NORMAL SO NORMAL SS 0 1	SB-503 SB-503-0001 20071127 ORIG SO NORMAL SS 0 1	SB-503 SB-503-0001-AVG 20071127 AVG SO NORMAL SS 0 1	SB-503 SB-503-0001-D 20071127 DUP SO NORMAL SS 0 1	SB-504 SB-504-0001 20071127 NORMAL SO NORMAL SS 0 1	SB-505 SB-505-0001 20071127 NORMAL SO NORMAL SS 0 1	SB-506 SB-506-0001 20071128 ORIG SO NORMAL SS 0 1	SB-506 SB-506-0001-AVG 20071128 AVG SO NORMAL SS 0 1	SB-506 SB-506-0001-D 20071128 DUP SO NORMAL SS 0 1	SB-507 SB-507-0001 20071128 NORMAL SO NORMAL SS 0 1
VANADIUM	7.8	39 N(13)	**12.4**	**53.4**	**42.65**	**31.9 J**	**22.8 J**	**60.7 J**	**13 J**	**13.95**	**14.9 J**	**17.1 J**
ZINC	2300	2300 N	39.7 J	175 J	127.8	80.6 J	63.8	302	12.2	14.4	16.6	78.2
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	130000	650000	347500	45000	52000	170000	14000 B	4800 J	4800 J	13000
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	84.4	85.6	81.4	77.2	91.2	82.8	87.5	87.1	86.7	85.8
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-508 SB-508-0001 20071128 NORMAL SO NORMAL SS 0 1	SB-509 SB-509-0001 20071129 NORMAL SO NORMAL SS 0 1	SB-510 SB-510-0001 20071128 NORMAL SO NORMAL SS 0 1	SB-511 SB-511-0001 20071129 NORMAL SO NORMAL SS 0 1	SB-512 SB-512-0001 20071129 NORMAL SO NORMAL SS 0 1	SB-513 SB-513-0001 20071129 NORMAL SO NORMAL SS 0 1	SB-514 SB-514-0001 20071129 NORMAL SO NORMAL SS 0 1	SB-515 SB-515-0001 20071129 NORMAL SO NORMAL SS 0 1	SB-516 SB-516-0001 20071130 NORMAL SO NORMAL SS 0 1	SB-517 SB-517-0001 20071130 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
1,2,3-TRIMETHYLBENZENE	NC	NC		5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
1,2-DICHLOROBENZENE	700000	190000	N	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
1,3-DICHLOROBENZENE	23000	NC		5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
1,4-DICHLOROBENZENE	27000	2400	C	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
2-BUTANONE	4700000	2800000	N	12 U	12 U	11 U	11 U	11 U	12 U	2.7 J	12 U	5.3 J	11 U
ACETONE	7000000	6100000	N	21 J	12 U	11 U	11 U	8.2 J	12 U	51 J	11 J	18 J	11 U
CARBON DISULFIDE	780000	82000	N	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	0.66 J	5.9 U	6 U	5.7 U
CHLOROBENZENE	160000	29000	N	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
METHYLENE CHLORIDE	85000	11000	C	7.1 B	5 B	6.4 B	5.4 B	5.6 B	3.6 B	5.6 B	5.9 B	5.8 B	3.1 B
NAPHTHALENE	160000	3600	C	5.8 U	5.8 U	0.55 B	5.7 U	1.8 B	0.67 B	5.8 U	5.9 U	6 U	5.7 U
O-XYLENE	1600000 (5)	380000	N	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
TERTIARY-BUTYL ALCOHOL	NC	NC		120 UR	120 UR	110 UR	110 UR	110 UR	120 UR	120 UR	120 UR	120 UR	110 UR
TETRACHLOROETHENE	1200	550	C	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
TOLUENE	630000	500000	N	5.8 U	5.8 U	5.6 U	5.7 U	5.6 U	5.8 U	5.8 U	5.9 U	6 U	5.7 U
TOTAL XYLENES	1600000 (5)	63000	N	12 U	12 U	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	770 U	760 U	740 U	760 U	750 U	770 U	760 U	780 U	790 U	750 U
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	58 J	380 U	370 U	380 U	370 U	390 U	380 U	43 J	390 U	370 U
BUTYL BENZYL PHTHALATE	NC	260000	C	380 U	380 U	370 U	380 U	370 U	390 U	380 U	78 J	390 U	370 U
CAPROLACTAM	NC	3100000	N	380 U	380 U	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U
CARBAZOLE	32000	NC		380 U	380 U	370 U	380 U	370 U	390 U	380 U	41 J	390 U	370 U
DIBENZOFURAN	7800	7800	N	380 U	380 U	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U
DI-N-BUTYL PHTHALATE	780000	610000	N	380 U	380 U	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	26 J	380 U	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U
ACENAPHTHENE	470000	340000	N	380 U	380 U	370 U	380 U	370 U	390 U	380 U	32 J	390 U	370 U
ACENAPHTHYLENE	470000	340000	N(6)	380 U	380 U	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U
ANTHRACENE	2300000	1700000	N	380 U	380 U	370 U	380 U	370 U	390 U	380 U	71 J	34 J	370 U
BAP EQUIVALENT-HALFND	22	15		380 U	380 U	**216**	**97**	**211**	**433**	380 U	**948**	**392**	**205**
BAP EQUIVALENT-POS	22	15	C	380 U	380 U	**31**	**97**	**24**	1.5	380 U	**948**	**197**	**20**
BENZO(A)ANTHRACENE	220	150	C	380 U	380 U	29 J	59 J	22 J	390 U	380 U	**550**	**170 J**	13 J
BENZO(A)PYRENE	22	15	C	380 U	380 U	**23 J**	**62 J**	**17 J**	390 U	380 U	**630**	**150 J**	15 J
BENZO(B)FLUORANTHENE	220	150	C	380 U	380 U	41 J	100 J	37 J	15 J	380 U	**860**	**210 J**	31 J
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	380 U	380 U	16 J	55 J	16 J	390 U	380 U	490	96 J	11 J
BENZO(K)FLUORANTHENE	2200	1500	C	380 U	380 U	15 J	55 J	370 U	390 U	380 U	390	97 J	8.7 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	380 U	380 U	34 J	75 J	24 J	390 U	380 U	680	170 J	13 J
DIBENZO(A,H)ANTHRACENE	22	15	C	380 U	380 U	370 U	14 J	370 U	390 U	380 U	**130 J**	390 U	370 U
FLUORANTHENE	310000	230000	N	380 U	380 U	57 J	120 J	61 J	9.5 J	380 U	1200	320 J	15 J
FLUORENE	310000	230000	N	380 U	380 U	370 U	380 U	370 U	390 U	380 U	26 J	390 U	370 U
INDENO(1,2,3-CD)PYRENE	220	150	C	380 U	380 U	13 J	47 J	14 J	390 U	380 U	**420**	83 J	9.2 J
NAPHTHALENE	160000	3600	C	10 J	380 U	370 U	380 U	370 U	390 U	380 U	390 U	390 U	370 U
PHENANTHRENE	2300000	170000	N(7)	17 J	380 U	25 J	29 J	59 J	390 U	380 U	430	120 J	370 U
PYRENE	230000	170000	N	380 U	380 U	44 J	83 J	47 J	390 U	380 U	830	250 J	13 J
TOTAL PAHS	NC	NC		53	0 U	297	699	297	24.5	0 U	6739	1700	128.9
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	38 U	38 U	37 U	38 U	37 U	39 U	38 U	39 U	39 U	37 U
AROCLOR-1254	320	110	N(4)	38 U	38 U	37 U	38 U	37 U	39 U	38 U	39 U	39 U	37 U
AROCLOR-1260	320	220	C	15 J	38 U	31 J	49	30 J	84	38 U	**290**	39 U	37 U
TOTAL AROCLOR	320 (8)	220	C(9)	15	0 U	31	49	30	84	0 U	**290**	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.14 B	0.031 L	0.29 L	0.23 L	0.083 L	0.18 L	0.098 L	0.29 L	0.23 L	0.18 L
ARSENIC	0.43	0.39	C	**2.5**	**1.5 J**	**9.6 J**	**0.52 J**	**1.5 J**	**1.7 J**	**1.5 J**	**0.99 J**	**0.94 L**	**1.1 L**
BARIUM	1600	1500	N	19.3	12.5 K	12.2 K	15.1 K	15.8 K	26.4 K	20.4 K	24.1 K	13.7	15.1
BERYLLIUM	16	16	N	0.59	0.3	0.21	1.8	0.55	0.35	1	0.84	1.1	1.6
CADMIUM	3.9	7	N	0.044 K	0.012 B	0.036 K	0.029 K	0.093 K	0.11 K	0.78	0.45	0.16 K	0.07 K
CHROMIUM	12000 (10)	12000	N(10)	11.1 J	6.3 J	10.1 J	15.5 J	11.4 J	12.7 J	15.8 J	11.3 J	11.8 J	9.3 J
COBALT	NC	2.3	N	**27.2**	**3.9**	**3.9**	**4.2**	**3.7**	**3.9**	**17.5**	**4.1**	**2.8 J**	**5.7 J**
COPPER	310	310	N	10.8 J	4.9 J	27.9 J	16.9 J	11.4 J	7.1 J	22.8 J	12.5 J	10.3 L	16.5 L
IRON	5500	5500	N	**13800**	**10400**	**13400**	**24400**	**13200**	**13800**	**16100**	**11900**	**16600**	**17600**
LEAD	400	400		3.8 J	3 J	2 J	6.8 J	4.5 J	9.3 J	11.4 J	36.7 J	5.7 L	11.4 L
MANGANESE	160	180	N	42.1	27.4 L	83.4 L	53.7 L	66.5 L	122 L	133 L	152 L	69.5 L	65.4 L
MERCURY	2.3 (11)	2.3	N(12)	0.019 U	0.019 UL	0.019 UL	0.019 UL	0.019 UL	0.019 UL	0.019 UL	0.072 L	0.19 L	0.019 UL
MOLYBDENUM	NC	39	N	0.58 B	0.16 B	3.2 J	0.091 B	0.31 B	0.077 UL	0.081 B	0.094 B	0.23 B	0.12 B
NICKEL	160	150	N	9.1	3.2 J	11.1 J	16.3 J	8.7 J	6.5 J	15.4 J	11.8 J	10.9 L	13.1 J
SELENIUM	39	39	N	0.19 U	0.18 UL	0.18 UL	1.1 L	0.18 UL	0.19 UL	0.27 L	0.19 UL	0.34 L	0.69 L
SILVER	39	39	N	0.14	0.031	0.058	0.099 K	0.06	0.06	0.079	0.12	0.12	0.086
THALLIUM	0.55	NC		0.038 B	0.055 B	0.02 B	0.064 B	0.023 B	0.031 B	0.055 B	0.041 B	0.041 K	0.034 K

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-508** **SB-508-0001** **20071128** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-509** **SB-509-0001** **20071129** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-510** **SB-510-0001** **20071128** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-511** **SB-511-0001** **20071129** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-512** **SB-512-0001** **20071129** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-513** **SB-513-0001** **20071129** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-514** **SB-514-0001** **20071129** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-515** **SB-515-0001** **20071129** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-516** **SB-516-0001** **20071130** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-517** **SB-517-0001** **20071130** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	**15.9 J**	**11.4 J**	**8.5 J**	**20.6 J**	**14.3 J**	**10.6 J**	**18.8 J**	**15 J**	**20.3 J**	**15.8 J**
ZINC	2300	2300 N	16.2	11.1	12.6	20.5	16.7	23.2	47.3	57	25.9	46.7
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	5900 J	10000 B	22000 B	9000 B	33000	2200 J	1800 B	2200 J	23000	4000 J
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	85.9	86.7	89.4	87.3	88.6	85.5	86.3	84.8	83.9	88.4
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-518 SB-518-0001 20071130 NORMAL SO NORMAL SS 0 1	SB-519 SB-519-0001 20071130 NORMAL SO NORMAL SS 0 1	SB-520 SB-520-0001 20071130 NORMAL SO NORMAL SS 0 1	SB-521 SB-521-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-522 SB-522-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-523 SB-523-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-524 SB-524-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-525 SB-525-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-526 SB-526-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-527 SB-527-0001 20071204 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	4.1 J	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	74 J	7.5 J	12 U	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	4.8 B	3.6 B	4.6 B	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		120 UR	120 UR	120 UR	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 U	5.9 U	6.2 U	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	12 U	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	800 U	780 U	810 U	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	400 U	31 J	410 U	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(6)	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		400 U	432	249	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	400 U	1.2	42	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	400 U	390 U	33 J	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	400 U	390 U	32 J	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	400 U	12 J	46 J	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	400 U	390 U	22 J	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	400 U	390 U	39 J	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	400 U	390 U	69 J	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	400 U	390 U	19 J	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	400 U	390 U	410 U	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(7)	400 U	390 U	40 J	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	400 U	390 U	57 J	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	12	357	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	40 U	39 U	41 U	420 U	410 U	380 U	7900 U	8600 U	22000 U	7200 U
AROCLOR-1254	320	110	N(4)	40 U	39 U	41 U	420 U	410 U	380 U	7900 U	8600 U	22000 U	7200 U
AROCLOR-1260	320	220	C	40 U	39 U	41 U	3100	3400	2100	52000	54000	82000	62000
TOTAL AROCLOR	320 (8)	220	C(9)	0 U	0 U	0 U	3100	3400	2100	52000	54000	82000	62000
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.18 J	0.12 J	0.22 L	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	2.2 L	1.6 L	0.82 L	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	20.1	16	9	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	1.2	0.95	1.4	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	0.022 K	0.019 K	0.029 K	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	11.5 J	10.5 J	7.5 J	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	3.9 J	3.8 J	4.6 J	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	14.5 L	11.2 L	10.8 L	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	29900	14600	17800	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		4.7 L	3.9 L	5.3 L	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	85 L	74.9 L	41.7 L	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	0.02 UL	0.02 UL	0.021 UL	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	0.18 B	0.16 B	0.64 J	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	7.4 L	8.1 L	10.2 L	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	0.35 L	0.62 L	0.44 L	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	0.097	0.086	0.065	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		0.061 K	0.045 K	0.026 K	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-518** **SB-518-0001** **20071130** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-519** **SB-519-0001** **20071130** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-520** **SB-520-0001** **20071130** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-521** **SB-521-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-522** **SB-522-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-523** **SB-523-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-524** **SB-524-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-525** **SB-525-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-526** **SB-526-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-527** **SB-527-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	**17.6 J**	**20.2 J**	**12 J**	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	23.6	17.3	23.2	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	610 B	2800 B	5200 B	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	82.9	85	81	79	80	86.9	83.3	77.1	76	46.1
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-528 SB-528-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-529 SB-529-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-530 SB-530-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-531 SB-531-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-532 SB-532-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-533 SB-533-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-534 SB-534-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-535 SB-535-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-536 SB-536-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-537 SB-537-0001 20071204 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	4300 U	200000 U	89000 U	38000 U	430 U	8800 U	9700 U	1900 U	26000 U	2500 U
AROCLOR-1254	320	110	N(4)	4300 U	200000 U	89000 U	38000 U	430 U	8800 U	9700 U	1900 U	26000 U	2500 U
AROCLOR-1260	320	220	C	**34000**	**1500000**	**690000**	**190000**	**2100**	**53000**	**49000**	**6000**	**77000**	**10000**
TOTAL AROCLOR	320 (8)	220	C(9)	**34000**	**1500000**	**690000**	**190000**	**2100**	**53000**	**49000**	**6000**	**77000**	**10000**
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-528** **SB-528-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-529** **SB-529-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-530** **SB-530-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-531** **SB-531-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-532** **SB-532-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-533** **SB-533-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-534** **SB-534-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-535** **SB-535-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-536** **SB-536-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-537** **SB-537-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	77.5	83.9	74.5	86.5	76	74.7	68.3	86.6	63.3	65.2
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-538 SB-538-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-539 SB-539-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-818 E-SB-818-SS 20100915 NORMAL SO NORMAL SS 0 1	SB-819 E-SB-819-SS 20100915 NORMAL SO NORMAL SS 0 1	SB-820 E-SB-820-SS 20100915 NORMAL SO NORMAL SS 0 1	SB-821 E-SB-821-SS 20100916 NORMAL SO NORMAL SS 0 1	SB-822 E-SB-822-SS 20100915 NORMAL SO NORMAL SS 0 1	SB-823 E-SB-823-SS 20100915 NORMAL SO NORMAL SS 0 1	SB-824 E-SB-824-SS 20100915 NORMAL SO NORMAL SS 0 1	SB-825 E-SB-825-SS 20100913 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	880 U	4300 U	14 U	14 U	14 U	15 U	15 U	16 U	15 U	15 U
AROCLOR-1254	320	110	N(4)	880 U	4300 U	19 U	18 U	19 U	20 U	20 U	21 U	19 U	20 U
AROCLOR-1260	320	220	C	**4500**	**18000**	19 U	18 U	19 U	21 J	20 U	38 J	19 U	20 U
TOTAL AROCLOR	320 (8)	220	C(9)	**4500**	**18000**	0 U	0 U	0 U	21	0 U	38	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-538** **SB-538-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-539** **SB-539-0001** **20071204** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-818** **E-SB-818-SS** **20100915** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-819** **E-SB-819-SS** **20100915** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-820** **E-SB-820-SS** **20100915** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-821** **E-SB-821-SS** **20100916** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-822** **E-SB-822-SS** **20100915** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-823** **E-SB-823-SS** **20100915** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-824** **E-SB-824-SS** **20100915** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-825** **E-SB-825-SS** **20100913** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	75.1	75.9	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-827 E-SB-827-SS 20100916 NORMAL SO NORMAL SS 0 1	SB-828 E-SB-828-SS 20100916 NORMAL SO NORMAL SS 0 1	SB-829 E-SB-829-SS 20100917 NORMAL SO NORMAL SS 0 1	SB-830 E-SB-830-SS 20100914 NORMAL SO NORMAL SS 0 1	SB-831 E-SB-831-SS 20100913 NORMAL SO NORMAL SS 0 1	SB-832 E-SB-832-SS 20100917 NORMAL SO NORMAL SS 0 1	SB-833 E-SB-833-SS 20100916 NORMAL SO NORMAL SS 0 1	SB-833A E-SB-833A-02 20101012 NORMAL SO NORMAL SB 2 2	SB-833B E-SB-833B-02 20101012 NORMAL SO NORMAL SB 2 2	SB-833C E-SB-833C-02 20101012 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	0.4 U	140	0.29 U
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	0.18 U	0.68 B	0.6 B
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	0.36 B	140 J	1.1 B
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	0.37 U	3.4 J	0.27 U
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	0.36 U	21	0.27 U
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	0.69 U	12	0.5 U
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	1.5 U	1.2 U	1.1 U
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	6.8 B	7.7 B	4.8 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	0.46 U	0.37 U	0.33 U
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	0.34 U	0.28 U	0.25 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	0.7 U	0.57 U	0.51 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	0.2 U	0.16 U	0.14 U
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	0.36 U	0.3 U	0.27 U
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	7.9 UR	6.5 UR	5.8 UR
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	0.54 U	0.44 U	0.4 U
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	0.28 U	0.23 U	0.21 U
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	0.7 U	0.57 U	0.51 U
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
ACENAPHTHYLENE	470000	340000	N(6)	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		80 U	170 J	77 U	NA	NA	NA	85 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		80 U	85 J	77 U	NA	NA	NA	85 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		80 U	77 U	77 U	NA	NA	NA	85 U	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		80 U	260 J	77 U	NA	NA	NA	85 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		80 U	86 J	77 U	NA	NA	NA	96 J	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		80 U	200 J	77 U	NA	NA	NA	85 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		80 U	160 J	77 U	NA	NA	NA	85 U	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		80 U	170 J	77 U	NA	NA	NA	85 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		80 U	110 J	77 U	NA	NA	NA	85 U	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	48 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	660	4 U	3.9 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	410	93	3.9 U
PHENANTHRENE	2300000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	140 U	4 U	3.9 U
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	950	4 U	3.9 U
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	2020	93	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	16 U	15 U	15 U	14 U	15 U	69 U	16 U	14 U	310 U	15 U
AROCLOR-1254	320	110	N(4)	20 U	20 U	20 U	19 U	19 U	91 U	22 U	18 U	410 U	20 U
AROCLOR-1260	320	220	C	34 J	35 J	20 UJ	19 U	19 U	**690**	22 U	220	**1700**	82
TOTAL AROCLOR	320 (8)	220	C(9)	34	35	0 U	0 U	0 U	**690**	0 U	220	**1700**	82
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-827** **E-SB-827-SS** **20100916** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-828** **E-SB-828-SS** **20100916** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-829** **E-SB-829-SS** **20100917** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-830** **E-SB-830-SS** **20100914** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-831** **E-SB-831-SS** **20100913** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-832** **E-SB-832-SS** **20100917** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-833** **E-SB-833-SS** **20100916** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-833A** **E-SB-833A-02** **20101012** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-833B** **E-SB-833B-02** **20101012** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-833C** **E-SB-833C-02** **20101012** **NORMAL** **SO** **NORMAL** **SB** **2** **2**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	**8900000 J**	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	440	55 U	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-833D E-SB-833D-02 20101012 NORMAL SO NORMAL SB 2 2	SB-833E E-SB-833E-02 20101012 NORMAL SO NORMAL SB 2 2	SB-833F E-SB-833F-02 20101012 NORMAL SO NORMAL SB 2 2	SB-833G E-SB-833G-02 20101012 NORMAL SO NORMAL SB 2 2	SB-833H E-SB-833H-02 20101012 NORMAL SO NORMAL SB 2 2	SB-833J E-SB-833J-02 20101013 NORMAL SO NORMAL SB 2 2	SB-833K E-SB-833K-02 20101013 NORMAL SO NORMAL SB 2 2	SB-833L E-SB-833L-02 20101013 NORMAL SO NORMAL SB 2 2	SB-833M E-SB-833M-02 20101013 NORMAL SO NORMAL SB 2 2	SB-833N E-SB-833N-02 20101014 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	0.31 U	39000	280 J	0.31 U	0.33 U	47 J	43000 J	300 J	11 J	0.31 U
1,2,3-TRIMETHYLBENZENE	NC	NC		0.14 U	6.8 U	0.15 U	0.14 U	0.15 U	0.13 U	7.1 U	0.14 U	0.15 U	0.14 U
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	0.52 B	180000	1200	0.68 B	1.1 B	260	210000	1600	47 J	0.22 U
1,2-DICHLOROBENZENE	700000	190000	N	0.29 U	970 J	26 J	0.29 U	0.31 U	6.5 U	360 U	22 J	0.32 U	0.29 U
1,3-DICHLOROBENZENE	23000	NC		0.28 U	190 U	4.2 U	0.33 J	0.31 U	11 J	1100 J	3.9 U	0.31 U	0.28 U
1,4-DICHLOROBENZENE	27000	2400	C	0.53 U	1500 J	42 J	1.3 J	0.58 U	12 J	2700 J	38 J	0.58 U	0.53 U
2-BUTANONE	4700000	2800000	N	3.2 B	1700 U	38 U	1.1 U	1.2 U	88 J	1800 U	35 U	1.2 U	1.1 U
ACETONE	7000000	6100000	N	25 B	6800 U	230 J	5.1 U	8.4 B	220 B	9800 B	160 B	5.5 U	13 J
CARBON DISULFIDE	780000	82000	N	0.35 U	480 U	10 U	0.36 U	0.38 U	9.1 U	500 U	9.8 U	0.39 U	0.36 U
CHLOROBENZENE	160000	29000	N	0.26 U	260 U	5.6 U	12	0.29 U	4.8 U	270 U	5.2 U	0.29 U	0.27 U
METHYLENE CHLORIDE	85000	11000	C	0.54 U	3100 U	88 J	0.55 U	0.58 U	58 U	3200 U	63 U	0.59 U	0.54 U
NAPHTHALENE	160000	3600	C	0.15 U	270 U	5.9 U	0.15 U	0.17 U	5.1 U	280 U	5.5 U	0.17 U	2.1 B
O-XYLENE	1600000 (5)	380000	N	0.28 U	340 U	7.4 U	0.28 U	0.31 U	6.4 U	360 U	6.9 U	0.31 U	0.28 U
TERTIARY-BUTYL ALCOHOL	NC	NC		6.1 UR	9700 UR	210 UR	6.2 UR	6.6 UR	390 J	10000 UR	620 J	6.7 UR	6.2 UR
TETRACHLOROETHENE	1200	550	C	0.42 U	480 U	10 U	0.42 U	0.45 U	9.1 U	500 U	9.8 U	0.46 U	1.8 J
TOLUENE	630000	500000	N	0.22 U	680 U	15 U	0.22 U	0.24 U	13 U	710 U	14 U	0.31 J	0.22 U
TOTAL XYLENES	1600000 (5)	63000	N	0.54 U	330 U	7.1 U	0.55 U	0.58 U	6.1 U	340 U	6.6 U	0.59 U	0.54 U
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	38 U	3.9 U	3.9 U	39 U
ACENAPHTHENE	470000	340000	N	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	98	3.9 U	3.9 U	39 U
ACENAPHTHYLENE	470000	340000	N(6)	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	38 U	3.9 U	3.9 U	39 U
ANTHRACENE	2300000	1700000	N	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	240	3.9 U	3.9 U	39 U
BAP EQUIVALENT-HALFND	22	15		7.0	4 U	4 U	3.9 U	3.7 U	3.9 U	1788	3.9 U	3.9 U	39 U
BAP EQUIVALENT-POS	22	15	C	2.8	4 U	4 U	3.9 U	3.7 U	3.9 U	1788	3.9 U	3.9 U	39 U
BENZO(A)ANTHRACENE	220	150	C	15	4 U	4 U	3.9 U	3.7 U	3.9 U	1300	3.9 U	3.9 U	39 U
BENZO(A)PYRENE	22	15	C	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	1200	3.9 U	3.9 U	39 U
BENZO(B)FLUORANTHENE	220	150	C	13	4 U	4 U	3.9 U	3.7 U	3.9 U	1700	3.9 U	3.9 U	39 U
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	850	3.9 U	3.9 U	39 U
BENZO(K)FLUORANTHENE	2200	1500	C	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	630	3.9 U	3.9 U	39 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	25	1.3 U	1.3 U	1.3 U	1.2 U	1.3 U	1200	1.3 U	1.3 U	13 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	210	3.9 U	3.9 U	39 U
FLUORANTHENE	310000	230000	N	42	4 U	4 U	3.9 U	3.7 U	3.9 U	2000	3.9 U	3.9 U	520
FLUORENE	310000	230000	N	8.8	4 U	4 U	3.9 U	3.7 U	3.9 U	38 U	3.9 U	3.9 U	39 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	700	3.9 U	3.9 U	39 U
NAPHTHALENE	160000	3600	C	33	31	4 U	3.9 U	3.7 U	3.9 U	38 U	3.9 U	3.9 U	39 U
PHENANTHRENE	2300000	170000	N(7)	4 U	4 U	4 U	3.9 U	3.7 U	3.9 U	800	3.9 U	3.9 U	39 U
PYRENE	230000	170000	N	30	4 U	4 U	3.9 U	3.7 U	3.9 U	1600	3.9 U	3.9 U	290
TOTAL PAHS	NC	NC		166.8	31	0 U	0 U	0 U	0 U	12528	0 U	0 U	810
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	16 U	16000 U	1600 U	15 U	15 U	150 U	30000 U	15 U	150 U	15 U
AROCLOR-1254	320	110	N(4)	21 U	20000 U	2100 U	20 U	19 U	200 U	39000 U	20 U	200 U	20 U
AROCLOR-1260	320	220	C	21 U	360000	25000	57	23 J	3000	680000	26 J	1300	31 J
TOTAL AROCLOR	320 (8)	220	C(9)	0 U	360000	25000	57	23	3000	680000	26	1300	31
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-833D E-SB-833D-02 20101012 NORMAL SO NORMAL SB 2 2**	**SB-833E E-SB-833E-02 20101012 NORMAL SO NORMAL SB 2 2**	**SB-833F E-SB-833F-02 20101012 NORMAL SO NORMAL SB 2 2**	**SB-833G E-SB-833G-02 20101012 NORMAL SO NORMAL SB 2 2**	**SB-833H E-SB-833H-02 20101012 NORMAL SO NORMAL SB 2 2**	**SB-833J E-SB-833J-02 20101013 NORMAL SO NORMAL SB 2 2**	**SB-833K E-SB-833K-02 20101013 NORMAL SO NORMAL SB 2 2**	**SB-833L E-SB-833L-02 20101013 NORMAL SO NORMAL SB 2 2**	**SB-833M E-SB-833M-02 20101013 NORMAL SO NORMAL SB 2 2**	**SB-833N E-SB-833N-02 20101014 NORMAL SO NORMAL SB 2 2**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	**640000 J**	150000 J	NA	NA	NA	**1400000 K**	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	64 J	56 U	NA	NA	NA	1400	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-834 E-SB-834-SS 20100916 NORMAL SO NORMAL SS 0 1	SB-835 E-SB-835-SS 20100917 NORMAL SO NORMAL SS 0 1	SB-836 E-SB-836-SS 20100917 NORMAL SO NORMAL SS 0 1	SB-837 E-SB-837-SS 20100917 NORMAL SO NORMAL SS 0 1	SB-838 E-SB-838-SS 20100913 NORMAL SO NORMAL SS 0 1	SB-839 E-SB-839-SS 20100914 NORMAL SO NORMAL SS 0 1	SB-840 E-SB-840-SS 20100914 NORMAL SO NORMAL SS 0 1	SB-841 E-SB-841-SS 20100914 NORMAL SO NORMAL SS 0 1	SB-842 E-SB-842-SS 20100913 NORMAL SO NORMAL SS 0 1	SB-843 E-SB-843-SS 20100914 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		75 U	120 J	81 U	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		75 U	150 J	81 U	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		75 U	88 J	81 U	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		75 U	80 U	81 U	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		75 U	80 U	81 U	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		75 U	80 U	81 U	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		75 U	80 U	81 U	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		75 U	80 U	81 U	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		75 U	80 U	81 U	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	15 U	160 U	16 U	14 U	14 U	4100 U	14 U	1400 U	14 U	15 U
AROCLOR-1254	320	110	N(4)	19 U	200 U	20 U	19 U	19 U	5300 U	18 U	1800 U	19 U	19 U
AROCLOR-1260	320	220	C	19 U	**910**	130	26 J	19 U	**41000**	120	**25000**	19 U	19 U
TOTAL AROCLOR	320 (8)	220	C(9)	0 U	**910**	130	26	0 U	**41000**	120	**25000**	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-834** **E-SB-834-SS** **20100916** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-835** **E-SB-835-SS** **20100917** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-836** **E-SB-836-SS** **20100917** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-837** **E-SB-837-SS** **20100917** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-838** **E-SB-838-SS** **20100913** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-839** **E-SB-839-SS** **20100914** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-840** **E-SB-840-SS** **20100914** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-841** **E-SB-841-SS** **20100914** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-842** **E-SB-842-SS** **20100913** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-843** **E-SB-843-SS** **20100914** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)		SB-844 E-SB-844-SS 20100914 NORMAL SO NORMAL SS 0 1	SB-845 E-SB-845-SS 20100913 NORMAL SO NORMAL SS 0 1	SB-846 E-SB-846-SS 20100913 NORMAL SO NORMAL SS 0 1	SB-847 E-SB-847-SS 20100913 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)							
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(6)	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(7)	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)							
AROCLOR-1242	320	220	C	150 U	6900 U	15 U	14 U
AROCLOR-1254	320	110	N(4)	190 U	9100 U	19 U	18 U
AROCLOR-1260	320	220	C	**2300**	**37000**	53	64
TOTAL AROCLOR	320 (8)	220	C(9)	**2300**	**37000**	53	64
METALS (MG/KG)							
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000	N(10)	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3	N(12)	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-844** **E-SB-844-SS** **20100914** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-845** **E-SB-845-SS** **20100913** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-846** **E-SB-846-SS** **20100913** **NORMAL** **SO** **NORMAL** **SS** **0** **1**	**SB-847** **E-SB-847-SS** **20100913** **NORMAL** **SO** **NORMAL** **SS** **0** **1**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)						
ACTINIUM-228	NC	NC	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1)3)]	USEPA Regional Screening Levels (RSLs) [2)3)]	SB-005 SB-5A-SS 20040917 NORMAL SO NORMAL SS 0 0	SB-006 SB-6A-SS 20040917 NORMAL SO NORMAL SS 0 0	SB-540 SB-540-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-541 SB-541-2 20081023 NORMAL SO NORMAL SB 2 2	SB-541 SB-541-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-541 SB-541-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-541A SB-541A-SS[SJ] 20081111 NORMAL SO NORMAL SS 0 0	SB-541A SB-541A-SS0.5-1 20081111 NORMAL SO NORMAL SS 0.5 1	SB-541A SB-541A-SS0-0.5 20081111 NORMAL SO NORMAL SS 0 0.5	SB-542 SB-542-2 20081023 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)												
1,2,3-TRICHLOROBENZENE	NC	4900 N	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N[4]	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	55 U	58 UJ	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	55 U	58 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	8 J	9 J	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000 N	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	6 U	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2-NITROANILINE	NC	61000 N	950 U	44 J	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000 C	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	380 U	390 UJ	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	380 U	390 UJ	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	380 U	390 UJ	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	380 U	390 UJ	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	380 U	390 UJ	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	380 U	390 UJ	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[7]	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	380 U	390 U	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1242	320	220 C	280 U	290 U	400 U	20 U	20 U	20 U	89 U	21 U	21 U	19 U
AROCLOR-1254	320	110 N[4]	280 U	290 U	400 U	20 U	20 U	20 U	89 U	21 U	21 U	19 U
AROCLOR-1260	320	220 C	280 U	290 U	**1800**	20 U	20 U	20 U	**490**	19 J	21 J	19 U
TOTAL AROCLOR	320 [8]	220 C[9]	0 U	0 U	**1800**	0 U	0 U	0 U	**490**	19	21	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	2.8 U	2.8 U	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	**1.1**	**1.7**	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	2.8 U	2.8 U	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	2.8 U	2.8 U	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	29	10 K	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	5.8 L	5.1 L	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	8 J	2.8 UJ	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	3.6 K	5.6 K	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	2.8 U	2.8 U	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	2.8 UL	2.8 UL	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	2.2 UL	2.3 UL	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SB-005 SB-5A-SS 20040917 NORMAL SO NORMAL SS 0 0	SB-006 SB-6A-SS 20040917 NORMAL SO NORMAL SS 0 0	SB-540 SB-540-0001 20071204 NORMAL SO NORMAL SS 0 1	SB-541 SB-541-2 20081023 NORMAL SO NORMAL SB 2 2	SB-541 SB-541-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-541 SB-541-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-541A SB-541A-SS[SJ] 20081111 NORMAL SO NORMAL SS 0 0	SB-541A SB-541A-SS0.5-1 20081111 NORMAL SO NORMAL SS 0.5 1	SB-541A SB-541A-SS0-0.5 20081111 NORMAL SO NORMAL SS 0 0.5	SB-542 SB-542-2 20081023 NORMAL SO NORMAL SB 2 2
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	28 UL	28 UL	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	11000 U	11000 U	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	110 U	170	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	81.9	82	82	81	94	79	79	88
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-542 SB-542-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-542 SB-542-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-543 SB-543-2 20081023 NORMAL SO NORMAL SB 2 2	SB-543 SB-543-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-543 SB-543-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-543A SB-543A-2 20081111 NORMAL SO NORMAL SB 2 2	SB-543A SB-543A-SS[SJ] 20081111 NORMAL SO NORMAL SS 0 0	SB-543A SB-543A-SS0.5-1 20081111 NORMAL SO NORMAL SS 0.5 1	SB-543A SB-543A-SS0-0.5 20081111 NORMAL SO NORMAL SS 0 0.5	SB-544 SB-544-2 20081023 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)												
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2-NITROANILINE	NC	61000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1242	320	220 C	19 U	20 U	20 U	19 U	19 U	20 U	180 U	19 U	20 U	20 U
AROCLOR-1254	320	110 N[4]	19 U	20 U	20 U	19 U	19 U	20 U	180 U	19 U	20 U	20 U
AROCLOR-1260	320	220 C	19 U	20 U	20 U	19 U	5.4 J	20 U	**940**	77	91	20 U
TOTAL AROCLOR	320 [8]	220 C[9]	0 U	0 U	0 U	0 U	5.4	0 U	**940**	77	91	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SB-542	SB-542	SB-543	SB-543	SB-543	SB-543A	SB-543A	SB-543A	SB-543A	SB-544
SAMPLE ID			SB-542-SS0.5-1	SB-542-SS0-0.5	SB-543-2	SB-543-SS0.5-1	SB-543-SS0-0.5	SB-543A-2	SB-543A-SS[SJ]	SB-543A-SS0.5-1	SB-543A-SS0-0.5	SB-544-2
SAMPLE DATE			20081023	20081023	20081023	20081023	20081023	20081111	20081111	20081111	20081111	20081023
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SS	SS	SB	SS	SS	SB	SS	SS	SS	SB
TOP DEPTH			0.5	0	2	0.5	0	2	0	0.5	0	2
BOTTOM DEPTH			1	0.5	2	1	0.5	2	0	1	0.5	2
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	86	85	85	88	87	NA	94	NA	82	82
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-544 SB-544-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-544 SB-544-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-544A SB-544A-SS[SJ] 20081111 NORMAL SO NORMAL SS 0 0	SB-544A SB-544A-SS0.5-1 20081111 NORMAL SO NORMAL SS 0.5 1	SB-544A SB-544A-SS0-0.5 20081111 NORMAL SO NORMAL SS 0 0.5	SB-545 SB-545-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-545 SB-545-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-546 SB-546-2 20081023 ORIG SO NORMAL SB 2 2	SB-546 SB-546-2-AVG 20081023 AVG SO NORMAL SB 2 2	SB-546 SB-546-2-D 20081023 DUP SO NORMAL SB 2 2
VOLATILES (UG/KG)												
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2-NITROANILINE	NC	61000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1242	320	220 C	20 U	19 U	17 U	20 U	19 U	21 U	20 U	20 U	19.5 U	19 U
AROCLOR-1254	320	110 N[4]	20 U	19 U	17 U	20 U	19 U	21 U	20 U	20 U	19.5 U	19 U
AROCLOR-1260	320	220 C	20 U	19 U	41	23	190	21 U	20 U	20 U	19.5 U	19 U
TOTAL AROCLOR	320 [8]	220 C[9]	0 U	0 U	41	23	190	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SB-544 SB-544-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-544 SB-544-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-544A SB-544A-SS[SJ] 20081111 NORMAL SO NORMAL SS 0 0	SB-544A SB-544A-SS0.5-1 20081111 NORMAL SO NORMAL SS 0.5 1	SB-544A SB-544A-SS0-0.5 20081111 NORMAL SO NORMAL SS 0 0.5	SB-545 SB-545-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-545 SB-545-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-546 SB-546-2 20081023 ORIG SO NORMAL SB 2 2	SB-546 SB-546-2-AVG 20081023 AVG SO NORMAL SB 2 2	SB-546 SB-546-2-D 20081023 DUP SO NORMAL SB 2 2
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	84	87	95	84	88	81	84	85	85.5	86
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1)(3)]	USEPA Regional Screening Levels (RSLs) [2)(3)]	SB-546 SB-546-SS0.5-1 20081023 ORIG SO NORMAL SS 0.5 1	SB-546 SB-546-SS0.5-1-AVG 20081023 AVG SO NORMAL SS 0.5 1	SB-546 SB-546-SS0.5-1-D 20081023 DUP SO NORMAL SS 0.5 1	SB-546 SB-546-SS0-0.5 20081023 ORIG SO NORMAL SS 0 0.5	SB-546 SB-546-SS0-0.5-AVG 20081023 AVG SO NORMAL SS 0 0.5	SB-546 SB-546-SS0-0.5-D 20081023 DUP SO NORMAL SS 0 0.5	SB-546A SB-546A-SS[SJ] 20081111 NORMAL SO NORMAL SS 0 0	SB-546A SB-546A-SS0.5-1 20081111 NORMAL SO NORMAL SS 0.5 1	SB-546A SB-546A-SS0-0.5 20081111 NORMAL SO NORMAL SS 0 0.5	SB-547 SB-547-2 20081021 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)												
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2-NITROANILINE	NC	61000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1242	320	220 C	18 U	18.5 U	19 U	19 U	19 U	19 U	18 U	20 U	920 U	19 U
AROCLOR-1254	320	110 N[4]	18 U	18.5 U	19 U	19 U	19 U	19 U	18 U	20 U	920 U	19 U
AROCLOR-1260	320	220 C	18 U	18.5 U	19 UJ	19 U	19 U	19 U	66	140	9600	19 U
TOTAL AROCLOR	320 [8]	220 C[9]	0 U	0 U	0 U	0 U	0 U	0 U	66	140	9600	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-546 SB-546-SS0.5-1 20081023 ORIG SO NORMAL SS 0.5 1**	**SB-546 SB-546-SS0.5-1-AVG 20081023 AVG SO NORMAL SS 0.5 1**	**SB-546 SB-546-SS0.5-1-D 20081023 DUP SO NORMAL SS 0.5 1**	**SB-546 SB-546-SS0-0.5 20081023 ORIG SO NORMAL SS 0 0.5**	**SB-546 SB-546-SS0-0.5-AVG 20081023 AVG SO NORMAL SS 0 0.5**	**SB-546 SB-546-SS0-0.5-D 20081023 DUP SO NORMAL SS 0 0.5**	**SB-546A SB-546A-SS[SJ] 20081111 NORMAL SO NORMAL SS 0 0**	**SB-546A SB-546A-SS0.5-1 20081111 NORMAL SO NORMAL SS 0.5 1**	**SB-546A SB-546A-SS0-0.5 20081111 NORMAL SO NORMAL SS 0 0.5**	**SB-547 SB-547-2 20081021 NORMAL SO NORMAL SB 2 2**
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	90	88	86	90	89.5	89	94	85	91	88
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-547	SB-547	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548
SAMPLE ID				SB-547-SS0.5-1	SB-547-SS0-0.5	SB-548-2	SB-548-2-AVG	SB-548-2-D	SB-548-SS0.5-1	SB-548-SS0.5-1-AVG	SB-548-SS0.5-1-D	SB-548-SS0-0.5	SB-548-SS0-0.5-AVG
SAMPLE DATE				20081021	20081021	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG	AVG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH				0.5	0	2	2	2	0.5	0.5	0.5	0	0
BOTTOM DEPTH				1	0.5	2	2	2	1	1	1	0.5	0.5
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	18 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U
AROCLOR-1254	320	110	N[4]	18 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U
AROCLOR-1260	320	220	C	18 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1)3)]	USEPA Regional Screening Levels (RSLs) [2)3)]	SB-547 SB-547-SS0.5-1 20081021 NORMAL SO NORMAL SS 0.5 1	SB-547 SB-547-SS0-0.5 20081021 NORMAL SO NORMAL SS 0 0.5	SB-548 SB-548-2 20081023 ORIG SO NORMAL SB 2 2	SB-548 SB-548-2-AVG 20081023 AVG SO NORMAL SB 2 2	SB-548 SB-548-2-D 20081023 DUP SO NORMAL SB 2 2	SB-548 SB-548-SS0.5-1 20081023 ORIG SO NORMAL SS 0.5 1	SB-548 SB-548-SS0.5-1-AVG 20081023 AVG SO NORMAL SS 0.5 1	SB-548 SB-548-SS0.5-1-D 20081023 DUP SO NORMAL SS 0.5 1	SB-548 SB-548-SS0-0.5 20081023 ORIG SO NORMAL SS 0 0.5	SB-548 SB-548-SS0-0.5-AVG 20081023 AVG SO NORMAL SS 0 0.5
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	91	89	86	87	88	87	88	89	88	87
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-548	SB-549	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A
SAMPLE ID				SB-548-SS0-0.5-D	SB-549-2	SB-549-2-AVG	SB-549-2-D	SB-549-SS0.5-1	SB-549-SS0-0.5	SB-550-2	SB-550-SS0.5-1	SB-550-SS0-0.5	SB-550A-2
SAMPLE DATE				20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081111
SAMPLE CODE				DUP	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SB	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH				0	2	2	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH				0.5	2	2	2	1	0.5	2	1	0.5	2
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	19 U	20 U	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U
AROCLOR-1254	320	110	N[4]	19 U	20 U	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U
AROCLOR-1260	320	220	C	19 U	20 U	19.5 U	19 U	20 U	19 U	20 U	20 U	19 U	20 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SB-548	SB-549	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A
SAMPLE ID			SB-548-SS0-0.5-D	SB-549-2	SB-549-2-AVG	SB-549-2-D	SB-549-SS0.5-1	SB-549-SS0-0.5	SB-550-2	SB-550-SS0.5-1	SB-550-SS0-0.5	SB-550A-2
SAMPLE DATE			20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081111
SAMPLE CODE			DUP	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SS	SB	SB	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH			0	2	2	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH			0.5	2	2	2	1	0.5	2	1	0.5	2
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	86	85	85.5	86	85	87	85	84	86	84
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-550A SB-550A-SS[SJ] 20081111 NORMAL SO NORMAL SS 0 0	SB-550A SB-550A-SS0.5-1 20081111 NORMAL SO NORMAL SS 0.5 1	SB-550A SB-550A-SS0-0.5 20081111 NORMAL SO NORMAL SS 0 0.5	SB-551 SB-551-2 20081023 NORMAL SO NORMAL SB 2 2	SB-551 SB-551-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-551 SB-551-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-552 SB-552-2 20081023 NORMAL SO NORMAL SB 2 2	SB-552 SB-552-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-552 SB-552-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-553 SB-553-2 20081021 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)												
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2-NITROANILINE	NC	61000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1242	320	220 C	17 U	20 U	20 U	21 U	20 U	18 U	20 U	19 U	19 U	20 U
AROCLOR-1254	320	110 N[4]	17 U	20 U	20 U	21 U	20 U	18 U	20 U	19 U	19 U	20 U
AROCLOR-1260	320	220 C	61	20 U	12 J	21 U	20 U	5.6 J	20 U	27	19 U	20 U
TOTAL AROCLOR	320 [8]	220 C[9]	61	0 U	12	0 U	0 U	5.6	0 U	27	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SB-550A SB-550A-SS[SJ] 20081111 NORMAL SO NORMAL SS 0 0	SB-550A SB-550A-SS0.5-1 20081111 NORMAL SO NORMAL SS 0.5 1	SB-550A SB-550A-SS0-0.5 20081111 NORMAL SO NORMAL SS 0 0.5	SB-551 SB-551-2 20081023 NORMAL SO NORMAL SB 2 2	SB-551 SB-551-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-551 SB-551-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-552 SB-552-2 20081023 NORMAL SO NORMAL SB 2 2	SB-552 SB-552-SS0.5-1 20081023 NORMAL SO NORMAL SS 0.5 1	SB-552 SB-552-SS0-0.5 20081023 NORMAL SO NORMAL SS 0 0.5	SB-553 SB-553-2 20081021 NORMAL SO NORMAL SB 2 2
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	95	81	82	80	83	91	85	87	86	82
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-553 SB-553-SS0.5-1 20081021 NORMAL SO NORMAL SS 0.5 1	SB-554 SB-554-2 20081021 NORMAL SO NORMAL SB 2 2	SB-554 SB-554-SS0.5-1 20081021 NORMAL SO NORMAL SS 0.5 1	SB-555 SB-555-2 20081021 NORMAL SO NORMAL SB 2 2	SB-555 SB-555-SS0.5-1 20081021 NORMAL SO NORMAL SS 0.5 1	SB-555 SB-555-SS0-0.5 20081021 NORMAL SO NORMAL SS 0 0.5	SB-556 SB-556-2 20081021 NORMAL SO NORMAL SB 2 2	SB-556 SB-556-SS0.5-1 20081021 NORMAL SO NORMAL SS 0.5 1	SB-556 SB-556-SS0-0.5 20081021 NORMAL SO NORMAL SS 0 0.5	SB-557 SB-557-2 20081021 NORMAL SO NORMAL SB 2 2
VOLATILES (UG/KG)												
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2-NITROANILINE	NC	61000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1242	320	220 C	19 U	19 U	19 U	950 U	910 U	1800 U	NA	20 U	18 U	18 U
AROCLOR-1254	320	110 N[4]	19 U	19 U	19 U	950 U	4800	36000	NA	20 U	18 U	18 U
AROCLOR-1260	320	220 C	19 U	19 U	19 U	3800	3800 J	17000 J	NA	20 U	180	18 U
TOTAL AROCLOR	320 [8]	220 C[9]	0 U	0 U	0 U	3800	8600	53000	NA	0 U	180	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SB-553 SB-553-SS0.5-1 20081021 NORMAL SO NORMAL SS 0.5 1	SB-554 SB-554-2 20081021 NORMAL SO NORMAL SB 2 2	SB-554 SB-554-SS0.5-1 20081021 NORMAL SO NORMAL SS 0.5 1	SB-555 SB-555-2 20081021 NORMAL SO NORMAL SB 2 2	SB-555 SB-555-SS0.5-1 20081021 NORMAL SO NORMAL SS 0.5 1	SB-555 SB-555-SS0-0.5 20081021 NORMAL SO NORMAL SS 0 0.5	SB-556 SB-556-2 20081021 NORMAL SO NORMAL SB 2 2	SB-556 SB-556-SS0.5-1 20081021 NORMAL SO NORMAL SS 0.5 1	SB-556 SB-556-SS0-0.5 20081021 NORMAL SO NORMAL SS 0 0.5	SB-557 SB-557-2 20081021 NORMAL SO NORMAL SB 2 2
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	86	88	90	88	91	93	83	82	91	95
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1)(3)]	USEPA Regional Screening Levels (RSLs) [2)(3)]		SB-557 SB-557-SS0.5-1 20081021 NORMAL SO NORMAL SS 0.5 1	SB-557 SB-557-SS0-0.5 20081021 NORMAL SO NORMAL SS 0 0.5	SB-558 SB-558-2 20081021 NORMAL SO NORMAL SB 2 2	SB-558 SB-558-SS0.5-1 20081021 NORMAL SO NORMAL SS 0.5 1	SB-558 SB-558-SS0-0.5 20081021 NORMAL SO NORMAL SS 0 0.5	SB-559 SB-559-2 20081022 NORMAL SO NORMAL SB 2 2	SB-559 SB-559-SS0.5-1 20081022 NORMAL SO NORMAL SS 0.5 1	SB-559 SB-559-SS0-0.5 20081022 NORMAL SO NORMAL SS 0 0.5	SB-560 SB-560-2 20081022 NORMAL SO NORMAL SB 2 2	SB-560 SB-560-SS0.5-1 20081022 NORMAL SO NORMAL SS 0.5 1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	18 U	19 U	19 U	19 U	196 U	18 U	18 U	18 U	18 U	18 U
AROCLOR-1254	320	110	N[4]	18 U	19 U	51	19 U	196 U	18 U	18 U	18 U	18 U	18 U
AROCLOR-1260	320	220	C	18 U	11 J	19 U	19 U	**1600**	18 U	18 U	5.2 J	18 U	18 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	11	51	0 U	**1600**	0 U	0 U	5.2	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559	SB-560	SB-560
SAMPLE ID			SB-557-SS0.5-1	SB-557-SS0-0.5	SB-558-2	SB-558-SS0.5-1	SB-558-SS0-0.5	SB-559-2	SB-559-SS0.5-1	SB-559-SS0-0.5	SB-560-2	SB-560-SS0.5-1
SAMPLE DATE			20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SS	SS	SB	SS	SS	SB	SS	SS	SB	SS
TOP DEPTH			0.5	0	2	0.5	0	2	0.5	0	2	0.5
BOTTOM DEPTH			1	0.5	2	1	0.5	2	1	0.5	2	1
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	90	89	89	87	86	93	93	93	93	91
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-560	SB-561	SB-561	SB-561	SB-562	SB-562	SB-562	SB-563	SB-563	SB-563
SAMPLE ID				SB-560-SS0-0.5	SB-561-2	SB-561-SS0.5-1	SB-561-SS0-0.5	SB-562-2	SB-562-SS0.5-1	SB-562-SS0-0.5	SB-563-2	SB-563-SS0.5-1	SB-563-SS0-0.5
SAMPLE DATE				20081022	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SB	SS	SS	SB	SS	SS	SB	SS	SS
TOP DEPTH				0	2	0.5	0	2	0.5	0	2	0.5	0
BOTTOM DEPTH				0.5	2	1	0.5	2	1	0.5	2	1	0.5
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	18 U	NA	NA	NA	NA	NA	NA	19 U	18 U	19 U
AROCLOR-1254	320	110	N[4]	18 U	NA	NA	NA	NA	NA	NA	19 U	18 U	19 U
AROCLOR-1260	320	220	C	13 J	NA	NA	NA	NA	NA	NA	19 U	18 U	40
TOTAL AROCLOR	320 [8]	220	C[9]	13	NA	NA	NA	NA	NA	NA	0 U	0 U	40
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-560** **SB-560-SS0-0.5** **20081022** **NORMAL** **SO** **NORMAL** **SS** **0** **0.5**	**SB-561** **SB-561-2** **20081021** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-561** **SB-561-SS0.5-1** **20081021** **NORMAL** **SO** **NORMAL** **SS** **0.5** **1**	**SB-561** **SB-561-SS0-0.5** **20081021** **NORMAL** **SO** **NORMAL** **SS** **0** **0.5**	**SB-562** **SB-562-2** **20081021** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-562** **SB-562-SS0.5-1** **20081021** **NORMAL** **SO** **NORMAL** **SS** **0.5** **1**	**SB-562** **SB-562-SS0-0.5** **20081021** **NORMAL** **SO** **NORMAL** **SS** **0** **0.5**	**SB-563** **SB-563-2** **20081021** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-563** **SB-563-SS0.5-1** **20081021** **NORMAL** **SO** **NORMAL** **SS** **0.5** **1**	**SB-563** **SB-563-SS0-0.5** **20081021** **NORMAL** **SO** **NORMAL** **SS** **0** **0.5**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	92	90	92	92	85	90	87	86	91	88
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-564	SB-564	SB-564	SB-565	SB-565	SB-565	SB-566	SB-566	SB-566	SB-567
SAMPLE ID				SB-564-2	SB-564-SS0.5-1	SB-564-SS0-0.5	SB-565-2	SB-565-SS0.5-1	SB-565-SS0-0.5	SB-566-2	SB-566-SS0.5-1	SB-566-SS0-0.5	SB-567-2
SAMPLE DATE				20081022	20081022	20081022	20081022	20081022	20081022	20081022	20081022	20081022	20081023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH				2	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH				2	1	0.5	2	1	0.5	2	1	0.5	2
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	17 U	18 U	18 U	97 U	20 U	19 U	19 U	18 U	92 U	19 U
AROCLOR-1254	320	110	N[4]	17 U	18 U	18 U	97 U	20 U	19 U	19 U	18 U	92 U	19 U
AROCLOR-1260	320	220	C	17 U	18 U	11 J	**1000**	**340**	210	19 U	11 J	**1200**	4.3 J
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	11	**1000**	**340**	210	0 U	11	**1200**	4.3
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-564	SB-564	SB-564	SB-565	SB-565	SB-565	SB-566	SB-566	SB-566	SB-567
SAMPLE ID			SB-564-2	SB-564-SS0.5-1	SB-564-SS0-0.5	SB-565-2	SB-565-SS0.5-1	SB-565-SS0-0.5	SB-566-2	SB-566-SS0.5-1	SB-566-SS0-0.5	SB-567-2
SAMPLE DATE			20081022	20081022	20081022	20081022	20081022	20081022	20081022	20081022	20081022	20081023
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SS	SS	SB	SS	SS	SB	SS	SS	SB
TOP DEPTH			2	0.5	0	2	0.5	0	2	0.5	0	2
BOTTOM DEPTH			2	1	0.5	2	1	0.5	2	1	0.5	2
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	96	95	92	86	85	86	90	91	91	90
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-567	SB-567	SB-568	SB-568	SB-568	SB-569	SB-569	SB-569	SB-570	SB-570
SAMPLE ID				SB-567-SS0.5-1	SB-567-SS0-0.5	SB-568-2	SB-568-SS0.5-1	SB-568-SS0-0.5	SB-569-2	SB-569-SS0.5-1	SB-569-SS0-0.5	SB-570-2	SB-570-SS0.5-1
SAMPLE DATE				20081023	20081023	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SB	SS	SS	SB	SS	SS	SB	SS
TOP DEPTH				0.5	0	2	0.5	0	2	0.5	0	2	0.5
BOTTOM DEPTH				1	0.5	2	1	0.5	2	1	0.5	2	1
VOLATILES (UG/KG)													
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2-NITROANILINE	NC	61000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NC	3100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1242	320	220	C	19 U	18 U	18 U	910 U	9000 U	20 U	690 U	19000 U	18 U	180 U
AROCLOR-1254	320	110	N[4]	19 U	18 U	18 U	910 U	9000 U	20 U	690 U	19000 U	18 U	180 U
AROCLOR-1260	320	220	C	5.4 J	25	18 U	**11000**	**81000 J**	20 U	**7900**	**300000**	18 U	**3200**
TOTAL AROCLOR	320 [8]	220	C[9]	5.4	25	0 U	**11000**	**81000**	0 U	**7900**	**300000**	0 U	**3200**
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-567	SB-567	SB-568	SB-568	SB-568	SB-569	SB-569	SB-569	SB-570	SB-570
SAMPLE ID			SB-567-SS0.5-1	SB-567-SS0-0.5	SB-568-2	SB-568-SS0.5-1	SB-568-SS0-0.5	SB-569-2	SB-569-SS0.5-1	SB-569-SS0-0.5	SB-570-2	SB-570-SS0.5-1
SAMPLE DATE			20081023	20081023	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SS	SS	SB	SS	SS	SB	SS	SS	SB	SS
TOP DEPTH			0.5	0	2	0.5	0	2	0.5	0	2	0.5
BOTTOM DEPTH			1	0.5	2	1	0.5	2	1	0.5	2	1
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	87	91	91	92	93	85	97	88	92	91
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SB-570	SB-571	SB-571	SB-571
SAMPLE ID			SB-570-SS0-0.5	SB-571-2	SB-571-SS0.5-1	SB-571-SS0-0.5
SAMPLE DATE			20081022	20081023	20081023	20081023
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SS	SB	SS	SS
TOP DEPTH			0	2	0.5	0
BOTTOM DEPTH			0.5	2	1	0.5
VOLATILES (UG/KG)						
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N(4)	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000 N	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000 N	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
2-NITROANILINE	NC	61000 N	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000 C	NA	NA	NA	NA
CAPROLACTAM	NC	3100000 N	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(6)	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)						
AROCLOR-1242	320	220 C	370 U	19 U	18 U	18 U
AROCLOR-1254	320	110 N(4)	370 U	19 U	18 U	18 U
AROCLOR-1260	320	220 C	**6800**	19 U	18 U	18 U
TOTAL AROCLOR	320 (8)	220 C(9)	**6800**	0 U	0 U	0 U
METALS (MG/KG)						
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000 N(10)	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3 N(12)	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA

Table A-8
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** (1)(3)	**USEPA Regional Screening Levels (RSLs)** (2)(3)	**SB-570** **SB-570-SS0-0.5** **20081022** **NORMAL** **SO** **NORMAL** **SS** **0** **0.5**	**SB-571** **SB-571-2** **20081023** **NORMAL** **SO** **NORMAL** **SB** **2** **2**	**SB-571** **SB-571-SS0.5-1** **20081023** **NORMAL** **SO** **NORMAL** **SS** **0.5** **1**	**SB-571** **SB-571-SS0-0.5** **20081023** **NORMAL** **SO** **NORMAL** **SS** **0** **0.5**
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC	90	90	91	94
RADIONUCLIDES (PCI/G)						
ACTINIUM-228	NC	NC	NA	NA	NA	NA
BISMUTH-212	NC	NC	NA	NA	NA	NA
BISMUTH-214	NC	NC	NA	NA	NA	NA
CESIUM-137	NC	NC	NA	NA	NA	NA
LEAD-212	NC	NC	NA	NA	NA	NA
LEAD-214	NC	NC	NA	NA	NA	NA
POTASSIUM-40	NC	NC	NA	NA	NA	NA
RADIUM-226	NC	NC	NA	NA	NA	NA
THALLIUM-208	NC	NC	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
5 - The value is for xylenes.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - The value is for PCB (total).
9 - The value is for polychlorinated biphenyls (high risk).
10 - The value is for trivalent chromium.
11 - The value is for mercury (inorganic/mercuric dichloride).
12 - The value is for mercuric chloride.
13 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819
SAMPLE ID	E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	5	7
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819
SAMPLE ID	E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819
SAMPLE ID	E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819
SAMPLE ID	E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	5	7
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	22 U	27 U	25 U	27 U	23 U	25 U	22 U
AROCLOR-1221	17 U	20 U	19 U	20 U	17 U	19 U	17 U
AROCLOR-1232	15 U	18 U	17 U	18 U	15 U	16 U	15 U
AROCLOR-1242	14 U	17 U	16 U	17 U	14 U	15 U	14 U
AROCLOR-1248	18 U	22 U	20 U	22 U	18 U	20 U	18 U
AROCLOR-1254	18 U	22 U	20 U	22 U	18 U	20 U	18 U
AROCLOR-1260	18 U	22 U	20 U	22 U	96	20 U	18 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	96	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819
SAMPLE ID	E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	5	7
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820	SB-820	SB-821	SB-821
SAMPLE ID	E-SB-819-07-AVG	E-SB-819-07-D	E-SB-819-09	E-SB-820-03	E-SB-820-05	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100916	20100916
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820	SB-820	SB-821	SB-821
SAMPLE ID	E-SB-819-07-AVG	E-SB-819-07-D	E-SB-819-09	E-SB-820-03	E-SB-820-05	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100916	20100916
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	7	9	3	5	7	9	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820	SB-820	SB-821	SB-821
SAMPLE ID	E-SB-819-07-AVG	E-SB-819-07-D	E-SB-819-09	E-SB-820-03	E-SB-820-05	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100916	20100916
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	7	9	3	5	7	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820	SB-820	SB-821	SB-821
SAMPLE ID	E-SB-819-07-AVG	E-SB-819-07-D	E-SB-819-09	E-SB-820-03	E-SB-820-05	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100916	20100916
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	7	9	3	5	7	9	3	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	21.5 U	21 U	24 U	24 U	24 U	24 U	25 U	26 U	24 U
AROCLOR-1221	16.5 U	16 U	19 U	18 U	18 U	18 U	19 U	19 U	18 U
AROCLOR-1232	14.5 U	14 U	16 U	16 U	16 U	16 U	17 U	17 U	16 U
AROCLOR-1242	13.5 U	13 U	15 U	15 U	15 U	15 U	15 U	16 U	15 U
AROCLOR-1248	17.5 U	17 U	20 U	19 U	20 U	19 U	20 U	21 U	19 U
AROCLOR-1254	17.5 U	17 U	20 U	19 U	20 U	19 U	20 U	21 U	19 U
AROCLOR-1260	17.5 U	17 U	54	19 U	20 U	19 U	20 U	21 U	37 J
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	54	0 U	0 U	0 U	0 U	0 U	37
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820	SB-820	SB-821	SB-821
SAMPLE ID	E-SB-819-07-AVG	E-SB-819-07-D	E-SB-819-09	E-SB-820-03	E-SB-820-05	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100916	20100916
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	7	9	3	5	7	9	3	5
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-822	SB-822
SAMPLE ID	E-SB-821-07	E-SB-821-09	E-SB-821-09-AVG	E-SB-821-09-D	E-SB-822-03	E-SB-822-05	E-SB-822-05-AVG	E-SB-822-05-D	E-SB-822-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	9	9	3	5	5	5	7
BOTTOM DEPTH	7	9	9	9	3	5	5	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-822	SB-822
SAMPLE ID	E-SB-821-07	E-SB-821-09	E-SB-821-09-AVG	E-SB-821-09-D	E-SB-822-03	E-SB-822-05	E-SB-822-05-AVG	E-SB-822-05-D	E-SB-822-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	9	9	3	5	5	5	7
BOTTOM DEPTH	7	9	9	9	3	5	5	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-822	SB-822
SAMPLE ID	E-SB-821-07	E-SB-821-09	E-SB-821-09-AVG	E-SB-821-09-D	E-SB-822-03	E-SB-822-05	E-SB-822-05-AVG	E-SB-822-05-D	E-SB-822-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	9	9	3	5	5	5	7
BOTTOM DEPTH	7	9	9	9	3	5	5	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-822	SB-822
SAMPLE ID	E-SB-821-07	E-SB-821-09	E-SB-821-09-AVG	E-SB-821-09-D	E-SB-822-03	E-SB-822-05	E-SB-822-05-AVG	E-SB-822-05-D	E-SB-822-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	9	9	3	5	5	5	7
BOTTOM DEPTH	7	9	9	9	3	5	5	5	7
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	27 U	26.5 U	26 U	25 U	26 U	26 U	26 U	25 U
AROCLOR-1221	19 U	20 U	20 U	20 U	19 U	20 U	19.5 U	19 U	19 U
AROCLOR-1232	17 U	18 U	17.5 U	17 U	17 U	17 U	17 U	17 U	17 U
AROCLOR-1242	16 U	16 U	16 U	16 U	15 U	16 U	16 U	16 U	15 U
AROCLOR-1248	20 U	22 U	21.5 U	21 U	20 U	21 U	21 U	21 U	20 U
AROCLOR-1254	20 U	22 U	21.5 U	21 U	20 U	21 U	21 U	21 U	20 U
AROCLOR-1260	20 U	60 J	41.5	23 J	20 U	21 U	21 U	21 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	60	41.5	23	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-822	SB-822
SAMPLE ID	E-SB-821-07	E-SB-821-09	E-SB-821-09-AVG	E-SB-821-09-D	E-SB-822-03	E-SB-822-05	E-SB-822-05-AVG	E-SB-822-05-D	E-SB-822-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	9	9	3	5	5	5	7
BOTTOM DEPTH	7	9	9	9	3	5	5	5	7
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-822	SB-823	SB-823	SB-824	SB-824	SB-824	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05	E-SB-824-07	E-SB-824-07-AVG	E-SB-824-07-D	E-SB-824-09
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	7	3	5	7	7	7	9
BOTTOM DEPTH	9	5	7	3	5	7	7	7	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-822	SB-823	SB-823	SB-824	SB-824	SB-824	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05	E-SB-824-07	E-SB-824-07-AVG	E-SB-824-07-D	E-SB-824-09
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	7	3	5	7	7	7	9
BOTTOM DEPTH	9	5	7	3	5	7	7	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-822	SB-823	SB-823	SB-824	SB-824	SB-824	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05	E-SB-824-07	E-SB-824-07-AVG	E-SB-824-07-D	E-SB-824-09
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	7	3	5	7	7	7	9
BOTTOM DEPTH	9	5	7	3	5	7	7	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-822	SB-823	SB-823	SB-824	SB-824	SB-824	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05	E-SB-824-07	E-SB-824-07-AVG	E-SB-824-07-D	E-SB-824-09
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	7	3	5	7	7	7	9
BOTTOM DEPTH	9	5	7	3	5	7	7	7	9
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	26 U	26 U	24 U	24 U	24 U	24 U	24 U	26 U
AROCLOR-1221	18 U	20 U	20 U	18 U	18 U	19 U	19 U	19 U	20 U
AROCLOR-1232	16 U	18 U	17 U	16 U	16 U	16 U	16 U	16 U	18 U
AROCLOR-1242	15 U	16 U	16 U	15 U	15 U	15 U	15 U	15 U	16 U
AROCLOR-1248	20 U	21 U	21 U	19 U	19 U	20 U	20 U	20 U	21 U
AROCLOR-1254	20 U	21 U	21 U	19 U	19 U	20 U	20 U	20 U	21 U
AROCLOR-1260	20 U	21 U	21 U	19 U	37	20 U	20 U	20 U	21 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	37	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-822	SB-823	SB-823	SB-824	SB-824	SB-824	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05	E-SB-824-07	E-SB-824-07-AVG	E-SB-824-07-D	E-SB-824-09
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	7	3	5	7	7	7	9
BOTTOM DEPTH	9	5	7	3	5	7	7	7	9
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-826	SB-826
SAMPLE ID	E-SB-825-03	E-SB-825-05	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07	E-SB-826-09	E-SB-826-09-AVG	E-SB-826-09-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	5	7	9	9	9
BOTTOM DEPTH	3	5	7	9	5	7	9	9	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-826	SB-826
SAMPLE ID	E-SB-825-03	E-SB-825-05	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07	E-SB-826-09	E-SB-826-09-AVG	E-SB-826-09-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	5	7	9	9	9
BOTTOM DEPTH	3	5	7	9	5	7	9	9	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-826	SB-826
SAMPLE ID	E-SB-825-03	E-SB-825-05	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07	E-SB-826-09	E-SB-826-09-AVG	E-SB-826-09-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	5	7	9	9	9
BOTTOM DEPTH	3	5	7	9	5	7	9	9	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-826	SB-826
SAMPLE ID	E-SB-825-03	E-SB-825-05	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07	E-SB-826-09	E-SB-826-09-AVG	E-SB-826-09-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	5	7	9	9	9
BOTTOM DEPTH	3	5	7	9	5	7	9	9	9
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
AROCLOR-1221	18 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U
AROCLOR-1232	16 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
AROCLOR-1242	15 U	16 U	15 U	15 U	15 U	15 U	16 U	16 U	16 U
AROCLOR-1248	19 U	21 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1254	19 U	21 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1260	19 U	21 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UJ
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-826	SB-826
SAMPLE ID	E-SB-825-03	E-SB-825-05	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07	E-SB-826-09	E-SB-826-09-AVG	E-SB-826-09-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	5	7	9	9	9
BOTTOM DEPTH	3	5	7	9	5	7	9	9	9
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-827	SB-827	SB-827	SB-827	SB-828	SB-828	SB-829	SB-829	SB-829
SAMPLE ID	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03	E-SB-828-09	E-SB-829-03	E-SB-829-05	E-SB-829-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100916	20100916	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	9	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-827	SB-827	SB-827	SB-827	SB-828	SB-828	SB-829	SB-829	SB-829
SAMPLE ID	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03	E-SB-828-09	E-SB-829-03	E-SB-829-05	E-SB-829-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100916	20100916	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-827	SB-827	SB-827	SB-827	SB-828	SB-828	SB-829	SB-829	SB-829
SAMPLE ID	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03	E-SB-828-09	E-SB-829-03	E-SB-829-05	E-SB-829-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100916	20100916	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	77 U	NA	NA	490 J	NA	NA	90 U
C1-FLUORANTHENES/PYRENES	NA	NA	77 U	NA	NA	370 J	NA	NA	90 U
C1-FLUORENES	NA	NA	77 U	NA	NA	170 J	NA	NA	90 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	77 U	NA	NA	81 U	NA	NA	90 U
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	77 U	NA	NA	580 J	NA	NA	90 U
C2-FLUORENES	NA	NA	77 U	NA	NA	330 J	NA	NA	90 U
C2-NAPHTHALENES	NA	NA	77 U	NA	NA	81 U	NA	NA	90 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	77 U	NA	NA	460 J	NA	NA	90 U

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-827	SB-827	SB-827	SB-827	SB-828	SB-828	SB-829	SB-829	SB-829
SAMPLE ID	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03	E-SB-828-09	E-SB-829-03	E-SB-829-05	E-SB-829-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100916	20100916	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	9	3	5	7
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	77 U	NA	NA	430 J	NA	NA	90 U
C3-FLUORENES	NA	NA	77 U	NA	NA	320 J	NA	NA	90 U
C3-NAPHTHALENES	NA	NA	77 U	NA	NA	500 J	NA	NA	90 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	77 U	NA	NA	620 J	NA	NA	90 U
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	77 U	NA	NA	350 J	NA	NA	90 U
C4-NAPHTHALENES	NA	NA	77 U	NA	NA	2300 J	NA	NA	90 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	77 U	NA	NA	660 J	NA	NA	90 U
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	25 U	480 U	25000 U	24 U	26 U	25 U	25 U	28 U
AROCLOR-1221	19 U	19 U	370 U	19000 U	19 U	19 U	19 U	19 U	21 U
AROCLOR-1232	16 U	17 U	320 U	16000 U	16 U	17 U	16 U	17 U	19 U
AROCLOR-1242	15 U	15 U	300 U	15000 U	15 U	16 U	15 U	16 U	17 U
AROCLOR-1248	20 U	20 U	390 U	20000 U	20 U	21 U	20 U	20 U	23 U
AROCLOR-1254	20 U	20 U	390 U	20000 U	20 U	21 U	20 U	20 U	23 U
AROCLOR-1260	20 U	20 U	2500 J	260000 J	300	130	20 UJ	20 UJ	23 UJ
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	2500	260000	300	130	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	1500000	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	280 U	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-827	SB-827	SB-827	SB-827	SB-828	SB-828	SB-829	SB-829	SB-829
SAMPLE ID	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03	E-SB-828-09	E-SB-829-03	E-SB-829-05	E-SB-829-07
SAMPLE DATE	20100916	20100916	20100916	20100916	20100916	20100916	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	9	3	5	7
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831
SAMPLE ID	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07	E-SB-831-09
SAMPLE DATE	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831
SAMPLE ID	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07	E-SB-831-09
SAMPLE DATE	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831
SAMPLE ID	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07	E-SB-831-09
SAMPLE DATE	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831
SAMPLE ID	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07	E-SB-831-09
SAMPLE DATE	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	25 U	24 U	25 U	26 U	24 U	23 U	24 U	25 U
AROCLOR-1221	19 U	19 U	18 U	19 U	20 U	18 U	17 U	19 U	19 U
AROCLOR-1232	16 U	16 U	16 U	16 U	17 U	16 U	15 U	16 U	17 U
AROCLOR-1242	15 U	15 U	15 U	15 U	16 U	15 U	14 U	15 U	15 U
AROCLOR-1248	20 U	20 U	20 U	20 U	21 U	20 U	18 U	20 U	20 U
AROCLOR-1254	20 U	20 U	20 U	20 U	21 U	20 U	18 U	20 U	20 U
AROCLOR-1260	20 UJ	20 U	20 U	20 U	21 U	20 U	18 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831
SAMPLE ID	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07	E-SB-831-09
SAMPLE DATE	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A
SAMPLE ID	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10
SAMPLE DATE	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	6	10
BOTTOM DEPTH	5	7	9	3	5	7	9	6	10
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	23000 U	220 U	1600 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	54000 U	510 U	3700 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	23000 U	220 U	1600 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	100000 U	940 U	6800 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	44000 U	410 U	3000 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	46000 U	440 U	3100 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	26000 U	240 U	1700 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	2200000	18000	140000
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	54000 U	510 U	3700 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	440 U	4.1 U	30 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	9600000	140000	830000
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	13000 U	120 U	870 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	130000 U	1200 U	8700 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	26000 U	240 U	1700 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	120000 J	1600 J	6200 J
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	26000 U	240 U	1700 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	21000 U	200 U	1400 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	12000 U	37000	38000 J
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	57000 U	530 U	3800 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	130000 J	17000	28000 J
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	59000 U	560 U	4000 U
2-BUTANONE	NA	NA	NA	NA	NA	NA	110000 U	1000 U	7500 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	110000 U	1000 UR	7500 UR
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	23000 U	220 U	1600 U
2-HEXANONE	NA	NA	NA	NA	NA	NA	51000 U	480 U	3500 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	25000 U	240 U	1700 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	12000 U	120 U	840 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	120000 U	1200 U	8400 U
ACETONE	NA	NA	NA	NA	NA	NA	800000 B	4100 U	30000 U
BENZENE	NA	NA	NA	NA	NA	NA	31000 U	290 U	2100 U
BROMOBENZENE	NA	NA	NA	NA	NA	NA	33000 U	310 U	2300 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	33000 U	310 U	2300 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	25000 U	240 U	1700 U
BROMOFORM	NA	NA	NA	NA	NA	NA	49000 U	460 U	3300 U
BROMOMETHANE	NA	NA	NA	NA	NA	NA	75000 U	700 U	5100 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	31000 U	290 U	2100 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	16000 U	150 U	1100 U
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	16000 U	1500 J	1100 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	31000 U	290 U	2100 U
CHLOROETHANE	NA	NA	NA	NA	NA	NA	160000 U	1500 U	11000 U
CHLOROFORM	NA	NA	NA	NA	NA	NA	23000 U	210 U	1500 U
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	36000 U	340 U	2400 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	18000 U	170 U	1200 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	20000 U	190 U	1400 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	36000 U	340 U	2400 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	41000 U	390 U	2800 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	130000 U	1200 U	8700 U
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	570 U	5.3 U	38 U
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	14000 U	130 U	940 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	36000 U	340 U	2400 U
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	17000 U	160 U	1100 U
M+P-XYLENES	NA	NA	NA	NA	NA	NA	16000 U	150 U	1100 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	18000 UJ	170 U	1200 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	360000 B	1900 U	13000 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	140000 B	160 U	1200 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	21000 U	2900 J	1400 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	36000 U	340 U	2400 U
O-XYLENE	NA	NA	NA	NA	NA	NA	22000 U	210 U	1500 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	12000 U	380 J	820 U
STYRENE	NA	NA	NA	NA	NA	NA	14000 U	140 U	980 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	950 UJ	8.9 U	64 U
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	17000 U	160 U	1100 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	7200000 B	5800 UR	42000 UR
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	31000 U	290 U	2100 U
TOLUENE	NA	NA	NA	NA	NA	NA	44000 U	410 U	3000 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	21000 U	200 U	1400 U
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	24000 U	220 U	1600 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	51000 U	480 U	3500 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	25000 U	230 U	1700 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	41000 U	390 U	2800 U
VINYL ACETATE	NA	NA	NA	NA	NA	NA	59000 U	560 U	4000 U

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A
SAMPLE ID	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10
SAMPLE DATE	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	6	10
BOTTOM DEPTH	5	7	9	3	5	7	9	6	10
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	46000 U	440 U	3100 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	72000 U	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	31000 U	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	82000 U	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	260000 U	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	65000 U	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	65000 U	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	260000 U	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	69000 U	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	11000 U	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	260000 U	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	30000 U	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	59000 U	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	52000 U	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	260000 U	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	42000 U	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	69000 U	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	55000 U	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	42000 U	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	260000 U	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	85000 U	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	260000 U	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	30000 U	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	30000 U	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	39000 U	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	72000 U	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	6500 U	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	62000 U	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	33000 U	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	120000 U	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	11000 U	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	52000 U	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	55000 U	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	49000 U	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	6900 U	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	29000 U	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	42000 U	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	7200 U	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	52000 U	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	69000 U	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	260000 U	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	100 U	200 U
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	27000	100 U	200 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
ANTHRACENE	NA	NA	NA	NA	NA	NA	28000	100 U	200 U
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	39347	401	200 U
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	33242	340	200 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	35000	100 U	200 U
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	27000	290	200 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	27000	500	200 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
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Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A
SAMPLE ID	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10
SAMPLE DATE	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	6	10
BOTTOM DEPTH	5	7	9	3	5	7	9	6	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A
SAMPLE ID	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10
SAMPLE DATE	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	6	10
BOTTOM DEPTH	5	7	9	3	5	7	9	6	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	42000	470	68 U
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	81000	660	200 U
FLUORENE	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	11000 U	310	460
PHENANTHRENE	NA	NA	NA	NA	NA	NA	88000	360	200 U
PYRENE	NA	NA	NA	NA	NA	NA	60000	520	200 U
TOTAL PAHS	NA	NA	NA	NA	NA	NA	415000	3110	460
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	29 U	28 U	25 U	25 U	24 U	1400000 U	260000 U	260000 U
AROCLOR-1221	18 U	22 U	21 U	19 U	19 U	18 U	1000000 U	200000 U	200000 U
AROCLOR-1232	16 U	20 U	18 U	16 U	17 U	16 U	910000 U	170000 U	170000 U
AROCLOR-1242	15 U	18 U	17 U	15 U	15 U	15 U	850000 U	160000 U	160000 U
AROCLOR-1248	20 U	24 U	22 U	20 U	20 U	20 U	1100000 U	210000 U	210000 U
AROCLOR-1254	20 U	24 U	22 U	20 U	20 U	20 U	1100000 U	210000 U	210000 U
AROCLOR-1260	63	24 U	22 U	330	140	20 U	24000000	510000	2000000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	63	0 U	0 U	330	140	0 U	24000000	510000	2000000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	0.031 U	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	0.61 J	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	6.2	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	1.3	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	0.011 B	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	3.2	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	5.3	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	4.3	NA	NA
IRON	NA	NA	NA	NA	NA	NA	10900	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	1.7	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	13.6	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	0.082 U	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	8.6	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	0.59 J	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	0.021 U	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	0.017 U	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	3	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	43.7	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	28000000	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	630 J	140000 J	170000 J
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A
SAMPLE ID	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10
SAMPLE DATE	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	6	10
BOTTOM DEPTH	5	7	9	3	5	7	9	6	10
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833B	SB-833B	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D
SAMPLE ID	E-SB-833B-04	E-SB-833B-06	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10	4
BOTTOM DEPTH	4	6	8	10	4	6	8	10	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	0.45 U	0.53 U	0.49 U	0.56 U	0.53 U	0.54 U	0.58 U	0.48 U	0.51 U
1,1,1-TRICHLOROETHANE	0.41 U	0.48 U	0.44 U	0.51 U	0.48 U	0.49 U	0.53 U	0.43 U	0.46 U
1,1,2,2-TETRACHLOROETHANE	0.25 U	0.29 U	0.27 U	0.31 U	0.29 U	0.3 U	0.32 U	0.26 U	0.28 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	0.94 U	1.1 U	1 U	1.2 U	1.1 U	1.1 U	1.2 U	1 U	1.1 U
1,1-DICHLOROETHANE	0.26 U	0.31 U	0.28 U	0.33 U	0.31 U	0.31 U	0.34 U	0.28 U	0.3 U
1,1-DICHLOROETHENE	0.38 U	0.45 U	0.41 U	0.47 U	0.45 U	0.45 U	0.49 U	0.4 U	0.43 U
1,1-DICHLOROPROPENE	0.22 U	0.26 U	0.24 U	0.27 U	0.26 U	0.26 U	0.28 U	0.23 U	0.25 U
1,2,3-TRICHLOROBENZENE	0.28 U	2.2 J	2.1 J	0.34 U	0.33 U	0.33 U	0.36 U	0.29 U	0.31 U
1,2,3-TRICHLOROPROPANE	0.65 U	0.78 U	0.71 U	0.81 U	0.78 U	0.78 U	0.84 U	0.69 U	0.74 U
1,2,3-TRIMETHYLBENZENE	0.12 U	0.69 B	0.13 U	0.71 B	0.15 U	0.15 U	0.16 U	0.61 B	0.14 U
1,2,4-TRICHLOROBENZENE	0.69 B	12	11	1.4 B	0.66 B	0.94 B	0.79 B	0.49 B	0.57 B
1,2,4-TRIMETHYLBENZENE	0.47 U	0.56 U	0.51 U	0.59 U	0.56 U	0.56 U	0.61 U	0.5 U	0.54 U
1,2-DIBROMO-3-CHLOROPROPANE	0.94 U	1.1 U	1 U	1.2 U	1.1 U	1.1 U	1.2 U	1 U	1.1 U
1,2-DIBROMOETHANE	0.36 U	0.43 U	0.39 U	0.45 U	0.43 U	0.43 U	0.47 U	0.38 U	0.41 U
1,2-DICHLOROBENZENE	0.26 U	0.31 U	0.28 U	0.33 U	0.31 U	0.31 U	0.34 U	0.28 U	0.3 U
1,2-DICHLOROETHANE	0.25 U	0.29 U	0.27 U	0.31 U	0.29 U	0.3 U	0.32 U	0.26 U	0.28 U
1,2-DICHLOROPROPANE	0.5 U	0.59 U	0.54 U	0.62 U	0.59 U	0.6 U	0.65 U	0.53 U	0.57 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.25 U	0.39 J	0.5 J	0.32 U	0.3 U	0.3 U	0.33 U	0.27 U	0.29 U
1,3-DICHLOROPROPANE	0.25 U	0.29 U	0.27 U	0.31 U	0.29 U	0.3 U	0.32 U	0.26 U	0.28 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.48 U	0.57 U	0.52 U	0.6 U	0.57 U	0.57 U	0.62 U	0.51 U	0.55 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.68 U	0.81 U	0.74 U	0.85 U	0.81 U	0.82 U	0.88 U	0.72 U	0.78 U
2-BUTANONE	1 U	1.2 U	1.1 U	1.3 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U
2-CHLOROETHYL VINYL ETHER	1 U	1.2 U	1.1 U	1.3 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U
2-CHLOROTOLUENE	0.29 U	0.34 U	0.31 U	0.36 U	0.34 U	0.35 U	0.38 U	0.31 U	0.33 U
2-HEXANONE	0.46 U	0.54 U	0.49 U	0.57 U	0.54 U	0.55 U	0.59 U	0.48 U	0.52 U
4-CHLOROTOLUENE	0.3 U	0.35 U	0.32 U	0.37 U	0.35 U	0.36 U	0.38 U	0.31 U	0.34 U
4-ISOPROPYLTOLUENE	0.15 U	0.18 U	0.16 U	0.19 U	0.18 U	0.18 U	0.2 U	0.16 U	0.17 U
4-METHYL-2-PENTANONE	0.39 U	0.47 U	0.42 U	0.49 U	0.47 U	0.47 U	0.51 U	0.41 U	0.45 U
ACETONE	4.8 B	5.4 U	5.4 B	7.3 B	5.4 U	8 B	5.9 U	4.8 U	5.9 B
BENZENE	0.17 U	0.2 U	0.18 U	0.21 U	0.2 U	0.2 U	0.22 U	0.18 U	0.19 U
BROMOBENZENE	0.24 U	0.28 U	0.26 U	0.3 U	0.28 U	0.29 U	0.31 U	0.25 U	0.27 U
BROMOCHLOROMETHANE	0.51 U	0.61 U	0.56 U	0.64 U	0.61 U	0.62 U	0.67 U	0.54 U	0.59 U
BROMODICHLOROMETHANE	0.2 U	0.24 U	0.22 U	0.25 U	0.24 U	0.24 U	0.26 U	0.21 U	0.23 U
BROMOFORM	0.24 U	0.28 U	0.26 U	0.3 U	0.28 U	0.29 U	0.31 U	0.25 U	0.27 U
BROMOMETHANE	0.39 U	0.47 U	0.42 U	0.49 U	0.47 U	0.47 U	0.51 U	0.41 U	0.45 U
CARBON DISULFIDE	0.32 U	0.38 U	0.35 U	0.4 U	0.38 U	0.38 U	0.41 U	0.34 U	0.36 U
CARBON TETRACHLORIDE	0.27 U	0.32 U	0.29 U	0.33 U	0.32 U	0.32 U	0.35 U	0.28 U	0.31 U
CHLOROBENZENE	0.24 U	0.28 U	0.26 U	0.3 U	0.28 U	0.29 U	0.31 U	0.25 U	0.27 U
CHLORODIBROMOMETHANE	0.4 U	0.47 U	0.43 U	0.5 U	0.47 U	0.48 U	0.52 U	0.42 U	0.45 U
CHLOROETHANE	0.62 U	0.74 U	0.67 U	0.78 U	0.74 U	0.75 U	0.81 U	0.66 U	0.71 U
CHLOROFORM	0.21 U	0.25 U	0.23 U	0.26 U	0.25 U	0.25 U	0.27 U	0.22 U	0.24 U
CHLOROMETHANE	0.3 U	0.35 U	0.32 U	0.37 U	0.35 U	0.36 U	0.38 U	0.31 U	0.34 U
CIS-1,2-DICHLOROETHENE	0.26 U	0.31 U	0.28 U	0.33 U	0.31 U	0.31 U	0.34 U	0.28 U	0.3 U
CIS-1,3-DICHLOROPROPENE	0.25 U	0.29 U	0.27 U	0.31 U	0.29 U	0.3 U	0.32 U	0.26 U	0.28 U
DIBROMOMETHANE	0.46 U	0.54 U	0.49 U	0.57 U	0.54 U	0.55 U	0.59 U	0.48 U	0.52 U
DICHLORODIFLUOROMETHANE	0.36 U	0.43 U	0.39 U	0.45 U	0.43 U	0.43 U	0.47 U	0.38 U	0.41 U
DIISOPROPYL ETHER	1.1 U	1.3 U	1.2 U	1.4 U	1.3 U	1.3 U	1.4 U	1.1 U	1.2 U
ETHYL TERT-BUTYL ETHER	0.16 U	0.19 U	0.17 U	0.2 U	0.19 U	0.19 U	0.21 U	0.17 U	0.18 U
ETHYLBENZENE	0.19 U	0.22 U	0.2 U	0.24 U	0.22 U	0.23 U	0.24 U	0.2 U	0.22 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	0.87 U	1 U	0.94 U	1.1 U	1 U	1 U	1.1 U	0.92 U	0.99 U
ISOPROPYLBENZENE	0.12 U	0.14 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.12 U	0.13 U
M+P-XYLENES	0.87 U	1 U	0.94 U	1.1 U	1 U	1 U	1.1 U	0.92 U	0.99 U
METHYL TERT-BUTYL ETHER	0.31 U	0.37 U	0.34 U	0.39 U	0.37 U	0.37 U	0.4 U	0.33 U	0.36 U
METHYLENE CHLORIDE	0.49 U	0.58 U	0.53 U	0.61 U	0.58 U	0.58 U	0.63 U	0.51 U	0.55 U
NAPHTHALENE	0.14 U	0.16 U	0.15 U	0.17 U	0.16 U	0.17 U	0.18 U	0.15 U	0.16 U
N-BUTYLBENZENE	0.17 U	0.2 U	0.18 U	0.21 U	0.2 U	0.2 U	0.22 U	0.18 U	0.19 U
N-PROPYLBENZENE	0.29 U	0.34 U	0.31 U	0.36 U	0.34 U	0.35 U	0.38 U	0.31 U	0.33 U
O-XYLENE	0.25 U	0.3 U	0.27 U	0.32 U	0.3 U	0.3 U	0.33 U	0.27 U	0.29 U
SEC-BUTYLBENZENE	0.13 U	0.16 U	0.14 U	0.16 U	0.16 U	0.16 U	0.17 U	0.14 U	0.15 U
STYRENE	0.11 U	0.13 U	0.12 U	0.14 U	0.13 U	0.13 U	0.14 U	0.11 U	0.12 U
TERT-AMYL METHYL ETHER	0.27 U	0.32 U	0.29 U	0.33 U	0.32 U	0.32 U	0.35 U	0.28 U	0.31 U
TERT-BUTYLBENZENE	0.21 U	0.25 U	0.23 U	0.26 U	0.25 U	0.25 U	0.27 U	0.22 U	0.24 U
TERTIARY-BUTYL ALCOHOL	5.5 UR	6.6 UR	6 UR	6.9 UR	6.5 UR	6.6 UR	7.1 UR	5.8 UR	6.3 UR
TETRACHLOROETHENE	0.38 U	0.45 U	0.41 U	0.49 J	0.45 U	0.45 U	0.49 U	0.4 U	0.43 U
TOLUENE	0.2 U	0.23 U	0.21 U	0.24 U	0.23 U	0.23 U	0.25 U	0.21 U	0.22 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.49 U	0.58 U	0.53 U	0.61 U	0.58 U	0.58 U	0.63 U	0.51 U	0.55 U
TRANS-1,2-DICHLOROETHENE	0.3 U	0.35 U	0.32 U	0.37 U	0.35 U	0.36 U	0.38 U	0.31 U	0.34 U
TRANS-1,3-DICHLOROPROPENE	0.39 U	0.47 U	0.42 U	0.49 U	0.47 U	0.47 U	0.51 U	0.41 U	0.45 U
TRICHLOROETHENE	0.3 U	0.36 U	0.33 U	0.38 U	0.36 U	0.36 U	0.39 U	0.32 U	0.35 U
TRICHLOROFLUOROMETHANE	0.25 U	0.29 U	0.27 U	0.31 U	0.29 U	0.3 U	0.32 U	0.26 U	0.28 U
VINYL ACETATE	0.18 U	0.22 U	0.2 U	0.23 U	0.22 U	0.22 U	0.23 U	0.19 U	0.21 U

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833B	SB-833B	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D
SAMPLE ID	E-SB-833B-04	E-SB-833B-06	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10	4
BOTTOM DEPTH	4	6	8	10	4	6	8	10	4
VINYL CHLORIDE	0.28 U	0.34 U	0.31 U	0.35 U	0.34 U	0.34 U	0.37 U	0.3 U	0.32 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
2-METHYLNAPHTHALENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
ACENAPHTHENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
ACENAPHTHYLENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
ANTHRACENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
BAP EQUIVALENT-HALFND	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
BAP EQUIVALENT-POS	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
BENZO(A)ANTHRACENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
BENZO(A)PYRENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
BENZO(B)FLUORANTHENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
BENZO(K)FLUORANTHENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833B	SB-833B	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D
SAMPLE ID	E-SB-833B-04	E-SB-833B-06	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10	4
BOTTOM DEPTH	4	6	8	10	4	6	8	10	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833B	SB-833B	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D
SAMPLE ID	E-SB-833B-04	E-SB-833B-06	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10	4
BOTTOM DEPTH	4	6	8	10	4	6	8	10	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
FLUORANTHENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
FLUORENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
INDENO(1,2,3-CD)PYRENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
NAPHTHALENE	31	43	200	65	230	3.9 U	4 U	4.1 U	4 U
PHENANTHRENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
PYRENE	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U
TOTAL PAHS	31	43	200	65	230	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	26 U	24 U	130 U	24 U	25 U	25 U	26 U	26 U
AROCLOR-1221	19 U	20 U	18 U	95 U	19 U	19 U	19 U	20 U	19 U
AROCLOR-1232	16 U	17 U	16 U	83 U	16 U	16 U	17 U	17 U	17 U
AROCLOR-1242	15 U	16 U	15 U	77 U	15 U	15 U	16 U	16 U	16 U
AROCLOR-1248	20 U	21 U	20 U	100 U	20 U	20 U	20 U	21 U	21 U
AROCLOR-1254	20 U	21 U	20 U	100 U	20 U	20 U	20 U	21 U	21 U
AROCLOR-1260	110	520	150	750	50	24 J	20 U	27 J	21 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	110	520	150	750	50	24	0 U	27	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	110 J	86 J	64 J	61 J	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833B	SB-833B	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D
SAMPLE ID	E-SB-833B-04	E-SB-833B-06	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10	4
BOTTOM DEPTH	4	6	8	10	4	6	8	10	4
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833D	SB-833D	SB-833D	SB-833E	SB-833E	SB-833F	SB-833F	SB-833F	SB-833F
SAMPLE ID	E-SB-833D-06	E-SB-833D-08	E-SB-833D-10	E-SB-833E-06	E-SB-833E-10	E-SB-833F-04	E-SB-833F-06	E-SB-833F-08	E-SB-833F-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	10	4	6	8	10
BOTTOM DEPTH	6	8	10	6	10	4	6	8	10
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	0.59 U	0.56 U	6.9 U	410 U	7.8 U	8 U	8.2 U	7.7 U	8.2 U
1,1,1-TRICHLOROETHANE	0.53 U	0.5 U	16 U	950 U	18 U	19 U	19 U	18 U	19 U
1,1,2,2-TETRACHLOROETHANE	0.32 U	0.31 U	6.8 U	400 U	7.6 U	7.9 U	8.1 U	7.5 U	8 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1.2 U	30 U	1800 U	34 U	34 U	35 U	33 U	35 U
1,1-DICHLOROETHANE	0.34 U	0.32 U	13 U	770 U	15 U	15 U	15 U	14 U	15 U
1,1-DICHLOROETHENE	0.49 U	0.47 U	14 U	820 U	15 U	16 U	16 U	15 U	16 U
1,1-DICHLOROPROPENE	0.29 U	0.27 U	7.6 U	450 U	8.6 U	8.8 U	9.1 U	8.5 U	9 U
1,2,3-TRICHLOROBENZENE	0.6 J	65	11 B	52000 J	910 J	340 J	380 J	320 J	150 J
1,2,3-TRICHLOROPROPANE	0.86 U	0.81 U	16 U	950 U	18 U	19 U	19 U	18 U	19 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.72 B	30 J	7.7 U	34 J	0.15 U	36 J	0.14 U	0.15 U
1,2,4-TRICHLOROBENZENE	2.7 B	110 J	52 B	260000	4700	1500	1800	1500	720
1,2,4-TRIMETHYLBENZENE	0.62 U	0.59 U	3.8 U	230 U	4.3 U	4.4 U	4.5 U	4.2 U	4.5 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1.2 U	38 U	2300 U	43 U	44 U	45 U	42 U	45 U
1,2-DIBROMOETHANE	0.48 U	0.45 U	7.6 U	450 U	8.6 U	8.8 U	9.1 U	8.5 U	9 U
1,2-DICHLOROBENZENE	0.39 J	12	6.6 U	1900 J	110 J	57 J	81 J	71 J	42 J
1,2-DICHLOROETHANE	0.32 U	0.31 U	7.6 U	450 U	8.6 U	8.8 U	9.1 U	8.5 U	9 U
1,2-DICHLOROPROPANE	0.66 U	0.62 U	6.2 U	370 U	7 U	7.2 U	7.4 U	6.9 U	7.4 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.33 U	0.32 U	3.7 U	220 U	4.1 U	4.2 U	4.4 U	4.1 U	4.3 U
1,3-DICHLOROPROPANE	0.32 U	0.31 U	17 U	1000 U	19 U	19 U	20 U	19 U	20 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.63 U	14	8.2 J	2700 J	140 J	89 J	110 J	93 J	58 J
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.89 U	0.85 U	18 U	1000 U	20 U	20 U	21 U	19 U	21 U
2-BUTANONE	1.3 U	1.3 U	33 U	2000 U	37 U	38 U	39 U	36 U	39 U
2-CHLOROETHYL VINYL ETHER	1.3 U	1.3 U	33 U	2000 U	37 U	38 U	39 U	36 U	39 U
2-CHLOROTOLUENE	0.38 U	0.36 U	6.9 U	410 U	7.7 U	7.9 U	8.2 U	7.6 U	8.1 U
2-HEXANONE	0.6 U	0.57 U	15 U	910 U	17 U	18 U	18 U	17 U	18 U
4-CHLOROTOLUENE	0.39 U	0.37 U	7.5 U	450 U	8.5 U	8.7 U	9 U	8.4 U	8.9 U
4-ISOPROPYLTOLUENE	0.2 U	0.19 U	3.7 U	220 U	4.1 U	4.2 U	4.4 U	4.1 U	4.3 U
4-METHYL-2-PENTANONE	0.51 U	0.49 U	37 U	2200 U	41 U	42 U	44 U	41 U	43 U
ACETONE	6.2 B	7.1 B	240 B	16000 J	260 J	220 J	260 J	240 J	260 J
BENZENE	0.22 U	0.21 U	9.1 U	550 U	10 U	11 U	11 U	10 U	11 U
BROMOBENZENE	0.31 U	0.3 U	9.9 U	590 U	11 U	11 U	12 U	11 U	12 U
BROMOCHLOROMETHANE	0.67 U	0.64 U	9.9 U	590 U	11 U	11 U	12 U	11 U	12 U
BROMODICHLOROMETHANE	0.27 U	0.25 U	7.5 U	450 U	8.5 U	8.7 U	9 U	8.4 U	8.9 U
BROMOFORM	0.31 U	0.3 U	14 U	860 U	16 U	17 U	17 U	16 U	17 U
BROMOMETHANE	0.51 U	0.49 U	22 U	1300 U	25 U	26 U	26 U	25 U	26 U
CARBON DISULFIDE	0.42 U	0.4 U	9.1 U	550 U	10 U	11 U	11 U	10 U	11 U
CARBON TETRACHLORIDE	0.35 U	0.33 U	4.9 U	290 U	5.5 U	5.6 U	5.8 U	5.4 U	5.8 U
CHLOROBENZENE	0.31 U	0.3 U	4.9 U	290 U	5.5 U	5.6 U	5.8 U	5.4 U	5.8 U
CHLORODIBROMOMETHANE	0.52 U	0.5 U	9.1 U	550 U	10 U	11 U	11 U	10 U	11 U
CHLOROETHANE	0.82 U	0.77 U	46 U	2800 U	52 U	54 U	55 U	52 U	55 U
CHLOROFORM	0.28 U	0.26 U	6.7 U	400 U	7.6 U	7.8 U	8 U	7.5 U	7.9 U
CHLOROMETHANE	0.39 U	0.37 U	11 U	640 U	12 U	12 U	13 U	12 U	13 U
CIS-1,2-DICHLOROETHENE	0.34 U	0.32 U	5.3 U	310 U	5.9 U	6.1 U	6.3 U	5.8 U	6.2 U
CIS-1,3-DICHLOROPROPENE	0.32 U	0.31 U	6 U	360 U	6.8 U	7 U	7.2 U	6.7 U	7.1 U
DIBROMOMETHANE	0.6 U	0.57 U	11 U	640 U	12 U	12 U	13 U	12 U	13 U
DICHLORODIFLUOROMETHANE	0.48 U	0.45 U	12 U	730 U	14 U	14 U	15 U	14 U	14 U
DIISOPROPYL ETHER	1.4 U	1.4 U	38 U	2300 U	43 U	44 U	45 U	42 U	45 U
ETHYL TERT-BUTYL ETHER	0.21 U	0.2 U	0.17 U	10 U	0.19 U	0.19 U	0.2 U	0.19 U	0.2 U
ETHYLBENZENE	0.25 U	0.23 U	4.1 U	250 U	4.6 U	4.8 U	4.9 U	4.6 U	4.9 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	1.1 U	1.1 U	11 U	640 U	12 U	12 U	13 U	12 U	13 U
ISOPROPYLBENZENE	0.15 U	0.14 U	5 U	300 U	5.6 U	5.7 U	5.9 U	5.5 U	5.9 U
M+P-XYLENES	1.1 U	1.1 U	4.7 U	280 U	5.3 U	5.5 U	5.6 U	5.3 U	5.6 U
METHYL TERT-BUTYL ETHER	0.41 U	0.39 U	5.4 U	320 U	6.1 U	6.3 U	6.4 U	6 U	6.4 U
METHYLENE CHLORIDE	0.64 U	0.6 U	59 U	4800 J	66 U	68 U	70 U	110 J	69 U
NAPHTHALENE	0.18 U	0.17 U	5.1 U	300 U	5.8 U	5.9 U	6.1 U	5.7 U	6 U
N-BUTYLBENZENE	0.22 U	0.21 U	6.1 U	360 U	6.9 U	7.1 U	7.3 U	6.8 U	7.2 U
N-PROPYLBENZENE	0.38 U	0.36 U	11 U	640 U	12 U	12 U	13 U	12 U	13 U
O-XYLENE	0.33 U	0.32 U	6.5 U	390 U	7.3 U	7.5 U	7.7 U	7.2 U	7.7 U
SEC-BUTYLBENZENE	0.17 U	0.16 U	3.6 U	210 U	4 U	4.1 U	4.3 U	4 U	4.2 U
STYRENE	0.14 U	0.14 U	4.3 U	250 U	4.8 U	4.9 U	5.1 U	4.7 U	5 U
TERT-AMYL METHYL ETHER	0.35 U	0.33 U	0.28 U	17 U	0.32 U	0.33 U	0.34 U	0.31 U	0.33 U
TERT-BUTYLBENZENE	0.28 U	0.26 U	5 U	300 U	5.6 U	5.7 U	5.9 U	5.5 U	5.9 U
TERTIARY-BUTYL ALCOHOL	7.2 UR	6.8 UR	310 J	11000 UR	210 UR	210 UR	220 UR	200 UR	220 UR
TETRACHLOROETHENE	0.49 U	0.47 U	9.1 U	550 U	10 U	11 U	11 U	10 U	11 U
TOLUENE	0.26 U	0.24 U	13 U	770 U	15 U	15 U	15 U	14 U	15 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.64 U	0.6 U	6.2 U	370 U	7 U	7.1 U	7.3 U	6.9 U	7.3 U
TRANS-1,2-DICHLOROETHENE	0.39 U	0.37 U	7 U	420 U	7.9 U	8.1 U	8.3 U	7.8 U	8.3 U
TRANS-1,3-DICHLOROPROPENE	0.51 U	0.49 U	15 U	910 U	17 U	18 U	18 U	17 U	18 U
TRICHLOROETHENE	0.4 U	0.38 U	7.4 U	440 U	8.3 U	8.6 U	8.8 U	8.2 U	8.7 U
TRICHLOROFLUOROMETHANE	0.32 U	0.31 U	12 U	730 U	14 U	14 U	15 U	14 U	14 U
VINYL ACETATE	0.24 U	0.23 U	18 U	1000 U	20 U	20 U	21 U	19 U	21 U

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833D	SB-833D	SB-833D	SB-833E	SB-833E	SB-833F	SB-833F	SB-833F	SB-833F
SAMPLE ID	E-SB-833D-06	E-SB-833D-08	E-SB-833D-10	E-SB-833E-06	E-SB-833E-10	E-SB-833F-04	E-SB-833F-06	E-SB-833F-08	E-SB-833F-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	10	4	6	8	10
BOTTOM DEPTH	6	8	10	6	10	4	6	8	10
VINYL CHLORIDE	0.37 U	0.35 U	14 U	820 U	15 U	16 U	16 U	15 U	16 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
2-METHYLNAPHTHALENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
ACENAPHTHENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
ACENAPHTHYLENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
ANTHRACENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
BAP EQUIVALENT-HALFND	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
BAP EQUIVALENT-POS	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
BENZO(A)ANTHRACENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
BENZO(A)PYRENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
BENZO(B)FLUORANTHENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
BENZO(K)FLUORANTHENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833D	SB-833D	SB-833D	SB-833E	SB-833E	SB-833F	SB-833F	SB-833F	SB-833F
SAMPLE ID	E-SB-833D-06	E-SB-833D-08	E-SB-833D-10	E-SB-833E-06	E-SB-833E-10	E-SB-833F-04	E-SB-833F-06	E-SB-833F-08	E-SB-833F-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	10	4	6	8	10
BOTTOM DEPTH	6	8	10	6	10	4	6	8	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833D	SB-833D	SB-833D	SB-833E	SB-833E	SB-833F	SB-833F	SB-833F	SB-833F
SAMPLE ID	E-SB-833D-06	E-SB-833D-08	E-SB-833D-10	E-SB-833E-06	E-SB-833E-10	E-SB-833F-04	E-SB-833F-06	E-SB-833F-08	E-SB-833F-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	10	4	6	8	10
BOTTOM DEPTH	6	8	10	6	10	4	6	8	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	1.3 U	1.4 U	26 U	1.3 U	1.3 U	1.3 U	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
FLUORANTHENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
FLUORENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
INDENO(1,2,3-CD)PYRENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
NAPHTHALENE	4.2 U	62	19	77 U	3.9 U	3.9 U	17	4.1 U	4.1 U
PHENANTHRENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
PYRENE	4.2 U	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U
TOTAL PAHS	0 U	62	19	0 U	0 U	0 U	17	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	27 U	25 U	27 U	12000 U	2500 U	25 U	260 U	26 U	260 U
AROCLOR-1221	20 U	19 U	21 U	9300 U	1900 U	19 U	200 U	20 U	200 U
AROCLOR-1232	18 U	17 U	18 U	8100 U	1700 U	17 U	170 U	17 U	180 U
AROCLOR-1242	16 U	15 U	17 U	7600 U	1600 U	15 U	160 U	16 U	160 U
AROCLOR-1248	22 U	20 U	22 U	9900 U	2000 U	20 U	210 U	21 U	210 U
AROCLOR-1254	22 U	20 U	22 U	9900 U	2000 U	20 U	210 U	21 U	210 U
AROCLOR-1260	22 U	48	22 U	180000	27000	250	2300	100	1000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	48	0 U	180000	27000	250	2300	100	1000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	1900000 J	7600 J	3300 U	3400 U	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	56 J	55 U	55 U	56 U	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833D	SB-833D	SB-833D	SB-833E	SB-833E	SB-833F	SB-833F	SB-833F	SB-833F
SAMPLE ID	E-SB-833D-06	E-SB-833D-08	E-SB-833D-10	E-SB-833E-06	E-SB-833E-10	E-SB-833F-04	E-SB-833F-06	E-SB-833F-08	E-SB-833F-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	10	4	6	8	10
BOTTOM DEPTH	6	8	10	6	10	4	6	8	10
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833G	SB-833G	SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I	SB-833J
SAMPLE ID	E-SB-833G-06	E-SB-833G-08	E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10	E-SB-833J-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	8	10	4
BOTTOM DEPTH	6	8	10	6	8	10	8	10	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	0.45 U	0.54 U	0.52 U	0.47 U	10 U	0.55 U	170 U	130 U	0.57 U
1,1,1-TRICHLOROETHANE	0.41 U	0.49 U	0.47 U	0.42 U	24 U	0.5 U	400 U	310 U	0.52 U
1,1,2,2-TETRACHLOROETHANE	0.25 U	0.3 U	0.29 U	0.26 U	10 U	0.3 U	170 U	130 U	0.31 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	0.95 U	1.1 U	1.1 U	0.98 U	44 U	1.2 U	740 U	580 U	1.2 U
1,1-DICHLOROETHANE	0.26 U	0.31 U	0.3 U	0.27 U	19 U	0.32 U	320 U	250 U	0.33 U
1,1-DICHLOROETHENE	0.38 U	0.45 U	0.44 U	0.39 U	20 U	0.46 U	340 U	270 U	0.48 U
1,1-DICHLOROPROPENE	0.22 U	0.26 U	0.25 U	0.23 U	11 U	0.27 U	190 U	150 U	0.28 U
1,2,3-TRICHLOROBENZENE	2 J	4.1 J	0.32 U	5.9	180 J	19 J	21000 J	11000 J	0.35 U
1,2,3-TRICHLOROPROPANE	0.66 U	0.78 U	0.76 U	0.68 U	24 U	0.8 U	400 U	310 U	0.83 U
1,2,3-TRIMETHYLBENZENE	0.12 U	0.68 B	0.14 U	0.6 B	0.19 U	0.15 U	3.2 U	2.5 U	0.16 U
1,2,4-TRICHLOROBENZENE	7.5	21	0.67 B	38	970	96	110000	66000	1.1 B
1,2,4-TRIMETHYLBENZENE	0.47 U	0.57 U	0.55 U	0.49 U	5.7 U	0.58 U	94 U	74 U	0.6 U
1,2-DIBROMO-3-CHLOROPROPANE	0.95 U	1.1 U	1.1 U	0.98 U	57 U	1.2 U	940 U	740 U	1.2 U
1,2-DIBROMOETHANE	0.36 U	0.43 U	0.42 U	0.38 U	11 U	0.45 U	190 U	150 U	0.46 U
1,2-DICHLOROBENZENE	0.26 U	2.1 J	0.6 J	3.2 J	44 J	5.3	910 J	430 J	0.33 U
1,2-DICHLOROETHANE	0.25 U	0.3 U	0.29 U	0.26 U	11 U	0.3 U	190 U	150 U	0.31 U
1,2-DICHLOROPROPANE	0.5 U	0.6 U	0.58 U	0.52 U	9.3 U	0.62 U	150 U	120 U	0.63 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.51 J	13	4.3	31	160 J	5.9	2600 J	3300 J	0.32 U
1,3-DICHLOROPROPANE	0.25 U	0.3 U	0.29 U	0.26 U	25 U	0.3 U	410 U	330 U	0.31 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	1.6 J	38	18	30	140 J	9.9	2900 J	2300 J	0.61 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.68 U	0.82 U	0.79 U	0.71 U	26 U	0.84 U	430 U	340 U	0.86 U
2-BUTANONE	1 U	1.2 U	1.2 U	1.1 U	49 U	1.3 U	810 U	640 U	1.3 U
2-CHLOROETHYL VINYL ETHER	1 U	1.2 U	1.2 U	1.1 U	49 UR	1.3 U	810 U	640 U	1.3 U
2-CHLOROTOLUENE	0.29 U	0.35 U	0.34 U	0.3 U	10 U	0.36 U	170 U	130 U	0.37 U
2-HEXANONE	0.46 U	0.55 U	0.53 U	0.47 U	23 U	0.56 U	380 U	300 U	0.58 U
4-CHLOROTOLUENE	0.3 U	0.36 U	0.34 U	0.31 U	11 U	0.37 U	190 U	150 U	0.38 U
4-ISOPROPYLTOLUENE	0.15 U	0.18 U	0.18 U	0.16 U	5.4 U	0.19 U	91 U	71 U	0.19 U
4-METHYL-2-PENTANONE	0.39 U	0.47 U	0.45 U	0.41 U	54 U	0.48 U	910 U	710 U	0.5 U
ACETONE	11 B	7.2 B	15 B	5 B	190 U	6.6 B	4500 B	3600 B	24 B
BENZENE	0.17 U	0.4 J	0.34 J	0.33 J	14 U	0.21 U	230 U	180 U	0.21 U
BROMOBENZENE	0.24 U	0.29 U	0.28 U	0.25 U	15 U	0.29 U	250 U	190 U	0.3 U
BROMOCHLOROMETHANE	0.52 U	0.62 U	0.6 U	0.54 U	15 U	0.63 U	250 U	190 U	0.65 U
BROMODICHLOROMETHANE	0.2 U	0.24 U	0.24 U	0.21 U	11 U	0.25 U	190 U	150 U	0.26 U
BROMOFORM	0.24 U	0.29 U	0.28 U	0.25 U	22 U	0.29 U	360 U	280 U	0.3 U
BROMOMETHANE	0.39 U	0.47 U	0.45 U	0.41 U	33 U	0.48 U	550 U	430 U	0.5 U
CARBON DISULFIDE	0.32 U	0.38 U	0.37 U	0.33 U	14 U	0.39 U	230 U	180 U	0.4 U
CARBON TETRACHLORIDE	0.27 U	0.88 J	0.31 U	0.28 U	7.3 U	0.33 U	120 U	95 U	0.34 U
CHLOROBENZENE	39	120	170	51	52 J	2 J	210 J	120 J	0.3 U
CHLORODIBROMOMETHANE	0.4 U	0.48 U	0.46 U	0.41 U	14 U	0.49 U	230 U	180 U	0.51 U
CHLOROETHANE	0.63 U	0.75 U	0.72 U	0.65 U	69 U	0.77 U	1200 U	900 U	0.79 U
CHLOROFORM	0.21 U	0.25 U	0.24 U	0.22 U	10 U	0.26 U	170 U	130 U	0.27 U
CHLOROMETHANE	0.3 U	0.36 U	0.34 U	0.31 U	16 U	0.37 U	260 U	210 U	0.38 U
CIS-1,2-DICHLOROETHENE	0.26 U	0.31 U	0.3 U	0.27 U	7.8 U	0.57 J	130 U	100 U	0.33 U
CIS-1,3-DICHLOROPROPENE	0.25 U	0.3 U	0.29 U	0.26 U	9 U	0.3 U	150 U	120 U	0.31 U
DIBROMOMETHANE	0.46 U	0.55 U	0.53 U	0.47 U	16 U	0.56 U	260 U	210 U	0.58 U
DICHLORODIFLUOROMETHANE	0.36 U	0.43 U	0.42 U	0.38 U	18 U	0.45 U	300 U	240 U	0.46 U
DIISOPROPYL ETHER	1.1 U	1.3 U	1.3 U	1.1 U	57 U	1.3 U	940 U	740 U	1.4 U
ETHYL TERT-BUTYL ETHER	0.16 U	0.19 U	0.19 U	0.17 U	0.25 U	0.2 U	4.1 U	3.3 U	0.2 U
ETHYLBENZENE	0.19 U	0.23 U	0.22 U	0.2 U	6.1 U	0.23 U	100 U	80 U	0.24 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	0.87 U	1 U	1 U	0.9 U	16 U	1.1 U	260 U	210 U	1.1 U
ISOPROPYLBENZENE	0.12 U	0.14 U	0.13 U	0.12 U	7.4 U	0.14 U	120 U	96 U	0.15 U
M+P-XYLENES	0.87 U	1 U	1 U	0.9 U	7 U	1.1 U	120 U	92 U	1.1 U
METHYL TERT-BUTYL ETHER	0.31 U	0.37 U	0.36 U	0.32 U	8.1 U	0.38 U	130 U	110 U	0.4 U
METHYLENE CHLORIDE	0.49 U	0.58 U	0.56 U	0.5 U	87 U	0.6 U	1500 U	1100 U	0.62 U
NAPHTHALENE	0.14 U	0.17 U	0.16 U	0.14 U	7.6 U	0.17 U	130 U	99 U	0.17 U
N-BUTYLBENZENE	0.17 U	0.2 U	0.19 U	0.17 U	9.1 U	0.21 U	150 U	120 U	0.21 U
N-PROPYLBENZENE	0.29 U	0.35 U	0.34 U	0.3 U	16 U	0.36 U	260 U	210 U	0.37 U
O-XYLENE	0.25 U	0.3 U	0.29 U	0.26 U	9.6 U	0.31 U	160 U	130 U	0.32 U
SEC-BUTYLBENZENE	0.13 U	0.16 U	0.15 U	0.14 U	5.3 U	0.16 U	89 U	70 U	0.17 U
STYRENE	0.11 U	0.13 U	0.13 U	0.11 U	6.4 U	0.13 U	110 U	83 U	0.14 U
TERT-AMYL METHYL ETHER	0.27 U	0.32 U	0.31 U	0.28 U	0.42 U	0.33 U	7 U	5.5 U	0.34 U
TERT-BUTYLBENZENE	0.21 U	0.25 U	0.24 U	0.22 U	7.4 U	0.26 U	120 U	96 U	0.27 U
TERTIARY-BUTYL ALCOHOL	5.5 UR	6.6 UR	6.4 UR	5.7 UR	270 UR	6.8 UR	4500 UR	3600 UR	7 UR
TETRACHLOROETHENE	0.38 U	2.6 J	0.44 U	0.69 J	14 U	2.2 J	230 U	180 U	0.48 U
TOLUENE	0.2 U	0.23 U	0.23 U	0.2 U	19 U	0.24 U	320 U	270 J	0.38 J
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.49 U	0.58 U	0.56 U	0.5 U	9.2 U	0.6 U	150 U	120 U	0.62 U
TRANS-1,2-DICHLOROETHENE	0.3 U	0.36 U	0.34 U	0.31 U	10 U	0.37 U	170 U	140 U	0.38 U
TRANS-1,3-DICHLOROPROPENE	0.39 U	0.47 U	0.45 U	0.41 U	23 U	0.48 U	380 U	300 U	0.5 U
TRICHLOROETHENE	0.31 U	2.2 J	0.35 U	0.32 J	11 U	0.59 J	180 U	140 U	0.39 U
TRICHLOROFLUOROMETHANE	0.25 U	0.3 U	0.29 U	0.26 U	18 U	0.3 U	300 U	240 U	0.31 U
VINYL ACETATE	0.18 U	0.22 U	0.21 U	0.19 U	26 U	0.22 U	430 U	340 U	0.23 U

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833G	SB-833G	SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I	SB-833J
SAMPLE ID	E-SB-833G-06	E-SB-833G-08	E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10	E-SB-833J-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	8	10	4
BOTTOM DEPTH	6	8	10	6	8	10	8	10	4
VINYL CHLORIDE	0.28 U	0.34 U	0.33 U	0.29 U	20 U	0.35 U	340 U	270 U	0.36 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
2-METHYLNAPHTHALENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
ACENAPHTHENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
ACENAPHTHYLENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
ANTHRACENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
BAP EQUIVALENT-HALFND	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	177	3.8 U
BAP EQUIVALENT-POS	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	155	3.8 U
BENZO(A)ANTHRACENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	190	3.8 U
BENZO(A)PYRENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	120	3.8 U
BENZO(B)FLUORANTHENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	160	3.8 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	84	3.8 U
BENZO(K)FLUORANTHENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833G	SB-833G	SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I	SB-833J
SAMPLE ID	E-SB-833G-06	E-SB-833G-08	E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10	E-SB-833J-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	8	10	4
BOTTOM DEPTH	6	8	10	6	8	10	8	10	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833G	SB-833G	SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I	SB-833J
SAMPLE ID	E-SB-833G-06	E-SB-833G-08	E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10	E-SB-833J-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	8	10	4
BOTTOM DEPTH	6	8	10	6	8	10	8	10	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	13 U	120	1.3 U
DIBENZO(A,H)ANTHRACENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
FLUORANTHENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	91	240	3.8 U
FLUORENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
INDENO(1,2,3-CD)PYRENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
NAPHTHALENE	4.2 U	4 U	3.9 U	23	3.8 U	4 U	40 U	39 U	3.8 U
PHENANTHRENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U
PYRENE	4.2 U	4 U	3.9 U	3.9 U	3.8 U	4 U	110	220	3.8 U
TOTAL PAHS	0 U	0 U	0 U	23	0 U	0 U	201	1134	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	27 U	26 U	25 U	25 U	24 U	26 U	25000 U	25000 U	24 U
AROCLOR-1221	20 U	20 U	19 U	19 U	19 U	20 U	19000 U	19000 U	19 U
AROCLOR-1232	18 U	17 U	17 U	16 U	16 U	17 U	17000 U	17000 U	16 U
AROCLOR-1242	17 U	16 U	15 U	15 U	15 U	16 U	16000 U	15000 U	15 U
AROCLOR-1248	22 U	21 U	20 U	20 U	20 U	21 U	21000 U	20000 U	20 U
AROCLOR-1254	22 U	21 U	20 U	20 U	20 U	21 U	21000 U	20000 U	20 U
AROCLOR-1260	83	77	20 U	20 U	20 U	21 U	220000	350000	160
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	83	77	0 U	0 U	0 U	0 U	220000	350000	160
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	460000 K	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	1600 J	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833G	SB-833G	SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I	SB-833J
SAMPLE ID	E-SB-833G-06	E-SB-833G-08	E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10	E-SB-833J-04
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	8	10	4
BOTTOM DEPTH	6	8	10	6	8	10	8	10	4
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833J	SB-833J	SB-833J	SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L
SAMPLE ID	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10	E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08
SAMPLE DATE	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	4	6	8
BOTTOM DEPTH	6	8	10	6	8	10	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	0.51 U	0.51 U	7.4 U	160 U	8.9 U	44 U	11 U	8.2 U	830 U
1,1,1-TRICHLOROETHANE	0.46 U	0.46 U	17 U	370 U	21 U	100 U	25 U	19 U	1900 U
1,1,2,2-TETRACHLOROETHANE	0.28 U	0.28 U	7.2 U	160 U	8.7 U	43 U	11 U	8 U	810 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.1 U	1.1 U	32 U	700 U	38 U	190 U	47 U	35 U	3600 U
1,1-DICHLOROETHANE	0.29 U	0.3 U	14 U	300 U	17 U	82 U	20 U	15 U	1600 U
1,1-DICHLOROETHENE	0.43 U	0.43 U	15 U	320 U	18 U	87 U	22 U	16 U	1600 U
1,1-DICHLOROPROPENE	0.25 U	0.25 U	8.1 U	180 U	9.8 U	48 U	12 U	9 U	920 U
1,2,3-TRICHLOROBENZENE	0.31 U	0.31 U	89 J	22000 J	370 J	5800	420 J	230 J	77000 J
1,2,3-TRICHLOROPROPANE	0.74 U	0.75 U	17 U	370 U	21 U	100 U	25 U	19 U	1900 U
1,2,3-TRIMETHYLBENZENE	0.14 U	0.14 U	33 J	3 U	0.17 U	0.82 U	49 J	0.15 U	16 U
1,2,4-TRICHLOROBENZENE	1.1 B	0.46 B	520	120000 J	1700 J	28000	1900	1000	410000 J
1,2,4-TRIMETHYLBENZENE	0.53 U	0.54 U	4.1 U	89 U	4.9 U	24 U	6 U	4.5 U	460 U
1,2-DIBROMO-3-CHLOROPROPANE	1.1 U	1.1 U	41 U	890 U	49 U	240 U	60 U	45 U	4600 U
1,2-DIBROMOETHANE	0.41 U	0.41 U	8.1 U	180 U	9.8 U	48 U	12 U	9 U	920 U
1,2-DICHLOROBENZENE	0.29 U	0.3 U	7 U	1100 J	68 J	180 J	42 J	22 J	3000 J
1,2-DICHLOROETHANE	0.28 U	0.28 U	8.1 U	180 U	9.8 U	51 J	12 U	9 U	920 U
1,2-DICHLOROPROPANE	0.56 U	0.57 U	6.7 U	150 U	8.1 U	39 U	9.9 U	7.4 U	750 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.29 U	0.29 U	18 J	86 U	4.7 U	23 U	5.8 U	4.3 U	440 U
1,3-DICHLOROPROPANE	0.28 U	0.28 U	18 U	390 U	22 U	110 U	27 U	20 U	2000 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.54 U	0.55 U	20 J	1500 J	98 J	250 J	67 J	27 J	4300 J
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.77 U	0.78 U	19 U	410 U	23 U	110 U	28 U	21 U	2100 U
2-BUTANONE	1.1 U	1.2 U	35 U	770 U	71 J	210 U	52 U	110 J	3900 U
2-CHLOROETHYL VINYL ETHER	1.1 U	1.2 U	35 U	770 UJ	42 UJ	210 U	52 U	39 U	3900 UJ
2-CHLOROTOLUENE	0.33 U	0.33 U	7.3 U	160 U	8.8 U	43 U	11 U	8.1 U	820 U
2-HEXANONE	0.52 U	0.52 U	16 U	360 U	20 U	96 U	24 U	18 U	1800 U
4-CHLOROTOLUENE	0.34 U	0.34 U	8 U	180 U	9.7 U	48 U	12 U	8.9 U	910 U
4-ISOPROPYLTOLUENE	0.17 U	0.17 U	3.9 U	86 U	4.7 U	23 U	5.8 U	4.3 U	440 U
4-METHYL-2-PENTANONE	0.44 U	0.45 U	39 U	860 U	47 U	230 U	58 U	43 U	4400 U
ACETONE	17 B	5.2 U	200 B	3000 UJ	170 UJ	1100 B	280 B	190 B	16000 UJ
BENZENE	0.19 U	0.19 U	9.7 U	210 U	12 U	58 U	14 U	11 U	1100 U
BROMOBENZENE	0.27 U	0.27 U	11 U	230 U	13 U	63 U	16 U	12 U	1200 U
BROMOCHLOROMETHANE	0.58 U	0.59 U	11 U	230 U	13 U	63 U	16 U	12 U	1200 U
BROMODICHLOROMETHANE	0.23 U	0.23 U	8 U	180 U	9.7 U	48 U	12 U	8.9 U	910 U
BROMOFORM	0.27 U	0.27 U	15 U	340 U	19 U	91 U	23 U	17 U	1700 U
BROMOMETHANE	0.44 U	0.45 U	24 U	520 U	28 U	140 U	35 U	26 U	2700 U
CARBON DISULFIDE	0.36 U	0.36 U	9.7 U	210 U	12 U	58 U	14 U	11 U	1100 U
CARBON TETRACHLORIDE	0.3 U	0.31 U	5.2 U	110 U	6.3 U	31 U	7.7 U	5.8 U	590 U
CHLOROBENZENE	0.27 U	0.27 U	5.2 U	110 U	6.3 U	31 U	7.7 U	12 J	4000 J
CHLORODIBROMOMETHANE	0.45 U	0.46 U	9.7 U	210 U	12 U	58 U	14 U	11 U	1100 U
CHLOROETHANE	0.7 U	0.71 U	50 U	1100 U	60 U	290 U	74 U	55 U	5600 U
CHLOROFORM	0.24 U	0.24 U	7.1 U	160 U	8.6 U	42 U	11 U	7.9 U	810 U
CHLOROMETHANE	0.34 U	0.34 U	11 U	250 U	14 U	67 U	17 U	13 U	1300 U
CIS-1,2-DICHLOROETHENE	0.29 U	0.3 U	5.6 U	120 U	6.8 U	33 U	8.3 U	6.2 U	630 U
CIS-1,3-DICHLOROPROPENE	0.28 U	0.28 U	6.4 U	140 U	7.8 U	38 U	9.5 U	7.1 U	720 U
DIBROMOMETHANE	0.52 U	0.52 U	11 U	250 U	14 U	67 U	17 U	13 U	1300 U
DICHLORODIFLUOROMETHANE	0.41 U	0.41 U	13 U	290 U	16 U	77 U	19 U	14 U	1500 U
DIISOPROPYL ETHER	1.2 U	1.2 U	41 U	890 U	49 U	240 U	60 U	45 U	4600 U
ETHYL TERT-BUTYL ETHER	0.18 U	0.18 U	0.18 U	3.9 U	0.22 U	1.1 U	0.27 U	0.2 U	20 U
ETHYLBENZENE	0.21 U	0.22 U	4.4 U	96 U	5.3 U	26 U	6.5 U	4.9 U	490 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	0.98 U	0.99 U	11 U	250 U	14 U	67 U	17 U	13 U	1300 U
ISOPROPYLBENZENE	0.13 U	0.13 U	5.3 U	120 U	6.4 U	31 U	7.8 U	5.9 U	590 U
M+P-XYLENES	0.98 U	0.99 U	5 U	110 U	6.1 U	30 U	14 J	5.6 U	570 U
METHYL TERT-BUTYL ETHER	0.35 U	0.36 U	5.8 U	130 U	7 U	34 U	8.6 U	6.4 U	650 U
METHYLENE CHLORIDE	0.55 U	0.56 U	62 U	1400 U	76 U	370 U	93 U	69 U	9000 B
NAPHTHALENE	0.16 U	0.16 U	5.4 U	120 U	6.6 U	32 U	8.1 U	6 U	610 U
N-BUTYLBENZENE	0.19 U	0.19 U	6.5 U	140 U	7.9 U	38 U	9.6 U	7.2 U	730 U
N-PROPYLBENZENE	0.33 U	0.33 U	11 U	250 U	14 U	67 U	17 U	13 U	1300 U
O-XYLENE	0.29 U	0.29 U	6.9 U	150 U	8.3 U	41 U	10 U	7.7 U	780 U
SEC-BUTYLBENZENE	0.15 U	0.15 U	3.8 U	84 U	4.6 U	23 U	5.7 U	4.2 U	430 U
STYRENE	0.12 U	0.12 U	4.5 U	100 U	5.5 U	27 U	6.7 U	5.1 U	510 U
TERT-AMYL METHYL ETHER	0.3 U	0.31 U	0.3 U	6.6 U	0.36 U	1.8 U	0.45 U	0.33 U	34 U
TERT-BUTYLBENZENE	0.24 U	0.24 U	5.3 U	120 U	6.4 U	31 U	7.8 U	5.9 U	590 U
TERTIARY-BUTYL ALCOHOL	6.2 UR	6.3 UR	620 J	4300 UR	240 UR	1200 UR	1200 J	720 J	22000 UR
TETRACHLOROETHENE	0.43 U	0.43 U	9.7 U	210 U	12 U	58 U	14 U	11 U	1100 U
TOLUENE	0.27 J	0.33 J	16 J	300 U	17 U	82 U	48 J	16 J	1600 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.55 U	0.56 U	6.6 U	140 U	8 U	39 U	14 J	7.3 U	740 U
TRANS-1,2-DICHLOROETHENE	0.34 U	0.34 U	7.5 U	160 U	9 U	44 U	11 U	8.3 U	840 U
TRANS-1,3-DICHLOROPROPENE	0.44 U	0.45 U	16 U	360 U	20 U	96 U	24 U	18 U	1800 U
TRICHLOROETHENE	0.34 U	0.35 U	7.9 U	170 U	9.5 U	47 U	12 U	8.8 U	890 U
TRICHLOROFLUOROMETHANE	0.28 U	0.28 U	13 U	290 U	16 U	77 U	19 U	14 U	1500 U
VINYL ACETATE	0.2 U	0.21 U	19 U	410 U	23 U	110 U	28 U	21 U	2100 U

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833J	SB-833J	SB-833J	SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L
SAMPLE ID	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10	E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08
SAMPLE DATE	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	4	6	8
BOTTOM DEPTH	6	8	10	6	8	10	4	6	8
VINYL CHLORIDE	0.32 U	0.32 U	15 U	320 U	18 U	87 U	22 U	16 U	1600 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
2-METHYLNAPHTHALENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
ACENAPHTHENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
ACENAPHTHYLENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
ANTHRACENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
BAP EQUIVALENT-HALFND	4 U	3.9 U	4.1 U	39 U	3.9 U	142	3.9 U	4 U	38 U
BAP EQUIVALENT-POS	4 U	3.9 U	4.1 U	39 U	3.9 U	120	3.9 U	4 U	38 U
BENZO(A)ANTHRACENE	4 U	3.9 U	4.1 U	39 U	3.9 U	220	3.9 U	4 U	38 U
BENZO(A)PYRENE	4 U	3.9 U	4.1 U	39 U	3.9 U	85	3.9 U	4 U	38 U
BENZO(B)FLUORANTHENE	4 U	3.9 U	4.1 U	39 U	3.9 U	130	3.9 U	4 U	38 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
BENZO(K)FLUORANTHENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833J	SB-833J	SB-833J	SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L
SAMPLE ID	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10	E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08
SAMPLE DATE	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	4	6	8
BOTTOM DEPTH	6	8	10	6	8	10	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833J	SB-833J	SB-833J	SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L
SAMPLE ID	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10	E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08
SAMPLE DATE	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	4	6	8
BOTTOM DEPTH	6	8	10	6	8	10	4	6	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.4 U	13 U	1.3 U	130	1.3 U	1.3 U	13 U
DIBENZO(A,H)ANTHRACENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
FLUORANTHENE	4 U	3.9 U	4.1 U	39 U	3.9 U	370	3.9 U	4 U	38 U
FLUORENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
INDENO(1,2,3-CD)PYRENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
NAPHTHALENE	4 U	3.9 U	4.1 U	39 U	3.9 U	39 U	3.9 U	4 U	38 U
PHENANTHRENE	4 U	3.9 U	4.1 U	39 U	3.9 U	190	3.9 U	4 U	38 U
PYRENE	4 U	3.9 U	4.1 U	39 U	3.9 U	270	3.9 U	4 U	38 U
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	1395	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	25 U	26 U	120000 U	5000 U	25000 U	25 U	510 U	120000 U
AROCLOR-1221	19 U	19 U	20 U	94000 U	3800 U	19000 U	19 U	390 U	93000 U
AROCLOR-1232	17 U	16 U	17 U	82000 U	3300 U	16000 U	17 U	340 U	81000 U
AROCLOR-1242	16 U	15 U	16 U	76000 U	3100 U	15000 U	16 U	320 U	75000 U
AROCLOR-1248	20 U	20 U	21 U	100000 U	4000 U	20000 U	20 U	410 U	99000 U
AROCLOR-1254	20 U	20 U	21 U	100000 U	4000 U	20000 U	20 U	410 U	99000 U
AROCLOR-1260	39 J	70	180 J	970000	35000	270000	73	4500	700000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	39	70	180	970000	35000	270000	73	4500	700000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	310000 J	NA	590000 K	NA	7300 J	450000 J
GASOLINE RANGE ORGANICS	NA	NA	NA	110 J	NA	76 J	NA	56 UJ	5000
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833J	SB-833J	SB-833J	SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L
SAMPLE ID	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10	E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08
SAMPLE DATE	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	10	6	8	10	4	6	8
BOTTOM DEPTH	6	8	10	6	8	10	4	6	8
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833M	SB-833M	SB-833M	SB-833M	SB-833N	SB-833N	SB-833N	SB-833N
SAMPLE ID	E-SB-833M-04	E-SB-833M-06	E-SB-833M-08	E-SB-833M-10	E-SB-833N-04	E-SB-833N-06	E-SB-833N-08	E-SB-833N-10
SAMPLE DATE	20101013	20101013	20101013	20101013	20101014	20101014	20101014	20101014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10
BOTTOM DEPTH	4	6	8	10	4	6	8	10
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	0.59 U	0.48 U	0.58 U	0.54 U	0.53 U	0.58 U	0.59 U	0.57 U
1,1,1-TRICHLOROETHANE	0.53 U	0.44 U	0.52 U	0.48 U	0.48 U	0.52 U	0.54 U	0.52 U
1,1,2,2-TETRACHLOROETHANE	0.32 U	0.26 U	0.32 U	0.29 U	0.29 U	0.32 U	0.33 U	0.32 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.2 U	1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U
1,1-DICHLOROETHANE	0.34 U	0.28 U	0.34 U	0.31 U	0.31 U	0.34 U	0.35 U	0.33 U
1,1-DICHLOROETHENE	0.49 U	0.4 U	0.49 U	0.45 U	0.44 U	0.49 U	0.5 U	0.48 U
1,1-DICHLOROPROPENE	0.28 U	0.23 U	0.28 U	0.26 U	0.26 U	0.28 U	0.29 U	0.28 U
1,2,3-TRICHLOROBENZENE	0.36 U	5.4	0.36 U	0.33 U	0.32 U	0.35 U	0.36 U	1.4 B
1,2,3-TRICHLOROPROPANE	0.85 U	0.7 U	0.84 U	0.78 U	0.77 U	0.84 U	0.86 U	0.83 U
1,2,3-TRIMETHYLBENZENE	0.16 U	0.61 B	0.16 U	0.68 B	0.14 U	0.16 U	0.16 U	0.16 U
1,2,4-TRICHLOROBENZENE	0.98 B	25	0.68 B	0.68 B	0.23 U	0.25 U	0.51 B	5.9 J
1,2,4-TRIMETHYLBENZENE	0.62 U	0.51 U	0.61 U	0.56 U	0.55 U	0.61 U	0.62 U	0.6 U
1,2-DIBROMO-3-CHLOROPROPANE	1.2 U	1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U
1,2-DIBROMOETHANE	0.47 U	0.39 U	0.47 U	0.43 U	0.43 U	0.47 U	0.48 U	0.46 U
1,2-DICHLOROBENZENE	0.34 U	0.28 U	0.34 U	0.31 U	0.31 U	0.34 U	0.35 U	0.33 U
1,2-DICHLOROETHANE	0.32 U	0.26 U	0.32 U	0.29 U	0.29 U	0.32 U	0.33 U	0.32 U
1,2-DICHLOROPROPANE	0.65 U	0.54 U	0.65 U	0.6 U	0.59 U	0.64 U	0.66 U	0.64 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	0.33 U	0.27 U	0.33 U	0.3 U	0.3 U	0.33 U	0.34 U	0.32 U
1,3-DICHLOROPROPANE	0.32 U	0.26 U	0.32 U	0.29 U	0.29 U	0.32 U	0.33 U	0.32 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	0.62 U	0.51 U	0.62 U	0.57 U	0.56 U	0.62 U	0.63 U	0.61 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	0.89 U	0.73 U	0.88 U	0.81 U	0.8 U	0.88 U	0.9 U	0.87 U
2-BUTANONE	1.3 U	1.1 U	1.3 U	1.2 U	1.5 J	1.3 U	1.3 U	1.3 U
2-CHLOROETHYL VINYL ETHER	1.3 UJ	1.1 U	1.3 U	1.2 U	1.2 UR	1.3 UR	1.3 UR	1.3 UR
2-CHLOROTOLUENE	0.38 U	0.31 U	0.37 U	0.35 U	0.34 U	0.37 U	0.38 U	0.37 U
2-HEXANONE	0.6 U	0.49 U	0.59 U	0.54 U	0.54 U	0.59 U	0.6 U	0.58 U
4-CHLOROTOLUENE	0.39 U	0.32 U	0.38 U	0.35 U	0.35 U	0.38 U	0.39 U	0.38 U
4-ISOPROPYLTOLUENE	0.2 U	0.16 U	0.2 U	0.18 U	0.18 U	0.2 U	0.2 U	0.19 U
4-METHYL-2-PENTANONE	0.51 U	0.42 U	0.51 U	0.47 U	0.46 U	0.5 U	0.52 U	0.5 U
ACETONE	19 J	7.7 B	13 B	16 B	18 J	5.9 U	12 J	13 J
BENZENE	0.22 U	0.18 U	0.22 U	0.2 U	0.2 U	0.21 U	0.22 U	0.21 U
BROMOBENZENE	0.31 U	0.26 U	0.31 U	0.29 U	0.28 U	0.31 U	0.32 U	0.31 U
BROMOCHLOROMETHANE	0.67 U	0.55 U	0.67 U	0.61 U	0.61 U	0.66 U	0.68 U	0.66 U
BROMODICHLOROMETHANE	0.27 U	0.22 U	0.26 U	0.24 U	0.24 U	0.26 U	0.27 U	0.26 U
BROMOFORM	0.31 U	0.26 U	0.31 U	0.29 U	0.28 U	0.31 U	0.32 U	0.31 U
BROMOMETHANE	0.51 U	0.42 U	0.51 U	0.47 U	0.46 U	0.5 U	0.52 U	0.5 U
CARBON DISULFIDE	0.42 U	0.34 U	0.41 U	0.38 U	0.38 U	0.41 U	0.42 U	0.41 U
CARBON TETRACHLORIDE	0.35 U	0.29 U	0.35 U	0.32 U	0.32 U	0.35 U	0.35 U	0.34 U
CHLOROBENZENE	0.31 U	0.26 U	0.31 U	0.29 U	0.28 U	0.31 U	0.32 U	0.31 U
CHLORODIBROMOMETHANE	0.52 U	0.43 U	0.52 U	0.48 U	0.47 U	0.51 U	0.53 U	0.51 U
CHLOROETHANE	0.81 U	0.67 U	0.81 U	0.74 U	0.73 U	0.8 U	0.82 U	0.8 U
CHLOROFORM	0.27 U	0.23 U	0.27 U	0.25 U	0.25 U	0.27 U	0.28 U	0.27 U
CHLOROMETHANE	0.39 U	0.32 U	0.38 U	0.35 U	0.35 U	0.38 U	0.39 U	0.38 U
CIS-1,2-DICHLOROETHENE	0.34 U	0.28 U	0.34 U	0.31 U	0.31 U	0.37 J	0.35 U	0.33 U
CIS-1,3-DICHLOROPROPENE	0.32 U	0.26 U	0.32 U	0.29 U	0.29 U	0.32 U	0.33 U	0.32 U
DIBROMOMETHANE	0.6 U	0.49 U	0.59 U	0.54 U	0.54 U	0.59 U	0.6 U	0.58 U
DICHLORODIFLUOROMETHANE	0.47 U	0.39 U	0.47 U	0.43 U	0.43 U	0.47 U	0.48 U	0.46 U
DIISOPROPYL ETHER	1.4 U	1.2 U	1.4 U	1.3 U	1.3 U	1.4 U	1.4 U	1.4 U
ETHYL TERT-BUTYL ETHER	0.21 U	0.17 U	0.21 U	0.19 U	0.19 U	0.21 U	0.21 U	0.2 U
ETHYLBENZENE	0.25 U	0.2 U	0.24 U	0.22 U	0.22 U	0.24 U	0.25 U	0.24 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	1.1 U	0.93 U	1.1 U	1 U	1 U	1.1 U	1.2 U	1.1 U
ISOPROPYLBENZENE	0.15 U	0.12 U	0.15 U	0.14 U	0.14 U	0.15 U	0.15 U	0.15 U
M+P-XYLENES	1.1 U	0.93 U	1.1 U	1 U	1 U	1.1 U	1.2 U	1.1 U
METHYL TERT-BUTYL ETHER	0.41 U	0.33 U	0.4 U	0.37 U	0.37 U	0.4 U	0.41 U	0.4 U
METHYLENE CHLORIDE	0.63 U	0.52 U	0.63 U	0.58 U	0.57 U	0.63 U	0.64 U	0.62 U
NAPHTHALENE	0.18 U	0.15 U	0.18 U	0.16 U	0.16 U	2.3 B	0.18 U	0.18 U
N-BUTYLBENZENE	0.22 U	0.18 U	0.22 U	0.2 U	0.2 U	0.21 U	0.22 U	0.21 U
N-PROPYLBENZENE	0.38 U	0.31 U	0.37 U	0.35 U	0.34 U	0.37 U	0.38 U	0.37 U
O-XYLENE	0.33 U	0.27 U	0.33 U	0.3 U	0.3 U	0.33 U	0.34 U	0.32 U
SEC-BUTYLBENZENE	0.17 U	0.14 U	0.17 U	0.16 U	0.15 U	0.17 U	0.17 U	0.17 U
STYRENE	0.14 U	0.12 U	0.14 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U
TERT-AMYL METHYL ETHER	0.35 U	0.29 U	0.35 U	0.32 U	0.32 U	0.35 U	0.35 U	0.34 U
TERT-BUTYLBENZENE	0.27 U	0.23 U	0.27 U	0.25 U	0.25 U	0.27 U	0.28 U	0.27 U
TERTIARY-BUTYL ALCOHOL	7.2 UR	5.9 UR	7.1 UR	6.6 UR	6.5 UR	11 J	10 J	7 J
TETRACHLOROETHENE	0.49 U	0.4 U	0.49 U	0.45 U	0.44 U	0.49 U	0.5 U	0.48 U
TOLUENE	0.29 J	0.21 J	0.39 J	0.25 J	0.32 J	0.25 U	0.41 J	0.36 J
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	0.63 U	0.52 U	0.63 U	0.58 U	0.57 U	0.63 U	0.64 U	0.62 U
TRANS-1,2-DICHLOROETHENE	0.39 U	0.32 U	0.38 U	0.35 U	0.35 U	0.38 U	0.39 U	0.38 U
TRANS-1,3-DICHLOROPROPENE	0.51 U	0.42 U	0.51 U	0.47 U	0.46 U	0.5 U	0.52 U	0.5 U
TRICHLOROETHENE	0.4 U	0.33 U	0.39 U	0.36 U	0.36 U	0.39 U	0.4 U	0.39 U
TRICHLOROFLUOROMETHANE	0.32 U	0.26 U	0.32 U	0.29 U	0.29 U	0.32 U	0.33 U	0.32 U
VINYL ACETATE	0.24 U	0.19 U	0.23 U	0.22 U	0.21 UR	0.23 UR	0.24 UR	0.23 UR

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833M	SB-833M	SB-833M	SB-833M	SB-833N	SB-833N	SB-833N	SB-833N
SAMPLE ID	E-SB-833M-04	E-SB-833M-06	E-SB-833M-08	E-SB-833M-10	E-SB-833N-04	E-SB-833N-06	E-SB-833N-08	E-SB-833N-10
SAMPLE DATE	20101013	20101013	20101013	20101013	20101014	20101014	20101014	20101014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10
BOTTOM DEPTH	4	6	8	10	4	6	8	10
VINYL CHLORIDE	0.37 U	0.3 U	0.37 U	0.34 U	0.33 U	0.36 U	0.37 U	0.36 U
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
2-METHYLNAPHTHALENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
ACENAPHTHENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
ACENAPHTHYLENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
ANTHRACENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
BAP EQUIVALENT-HALFND	4 U	3.8 U	4 U	4 U	40 U	267	60	16 U
BAP EQUIVALENT-POS	4 U	3.8 U	4 U	4 U	40 U	240	16	16 U
BENZO(A)ANTHRACENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
BENZO(A)PYRENE	4 U	3.8 U	4 U	4 U	40 U	240	40 U	16 U
BENZO(B)FLUORANTHENE	4 U	3.8 U	4 U	4 U	40 U	41 U	160	16 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
BENZO(K)FLUORANTHENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833M	SB-833M	SB-833M	SB-833M	SB-833N	SB-833N	SB-833N	SB-833N
SAMPLE ID	E-SB-833M-04	E-SB-833M-06	E-SB-833M-08	E-SB-833M-10	E-SB-833N-04	E-SB-833N-06	E-SB-833N-08	E-SB-833N-10
SAMPLE DATE	20101013	20101013	20101013	20101013	20101014	20101014	20101014	20101014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10
BOTTOM DEPTH	4	6	8	10	4	6	8	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833M	SB-833M	SB-833M	SB-833M	SB-833N	SB-833N	SB-833N	SB-833N
SAMPLE ID	E-SB-833M-04	E-SB-833M-06	E-SB-833M-08	E-SB-833M-10	E-SB-833N-04	E-SB-833N-06	E-SB-833N-08	E-SB-833N-10
SAMPLE DATE	20101013	20101013	20101013	20101013	20101014	20101014	20101014	20101014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10
BOTTOM DEPTH	4	6	8	10	4	6	8	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.3 U	1.3 U	13 U	14 U	13 U	5.4 U
DIBENZO(A,H)ANTHRACENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
FLUORANTHENE	4 U	3.8 U	4 U	4 U	320	390	340	140
FLUORENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
INDENO(1,2,3-CD)PYRENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
NAPHTHALENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
PHENANTHRENE	4 U	3.8 U	4 U	4 U	40 U	41 U	40 U	16 U
PYRENE	4 U	3.8 U	4 U	4 U	110	210	160	70
TOTAL PAHS	0 U	0 U	0 U	0 U	430	840	660	210
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	51 U	120 U	51 U	25 U	26 U	26 U	130 U	130 U
AROCLOR-1221	39 U	93 U	39 U	19 U	19 U	20 U	97 U	98 U
AROCLOR-1232	34 U	81 U	34 U	17 U	17 U	17 U	85 U	85 U
AROCLOR-1242	32 U	75 U	32 U	16 U	16 U	16 U	79 U	79 U
AROCLOR-1248	41 U	99 U	41 U	20 U	21 U	21 U	100 U	100 U
AROCLOR-1254	41 U	99 U	41 U	20 U	21 U	21 U	100 U	100 U
AROCLOR-1260	240	860	590	73	210	80	370	430
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	240	860	590	73	210	80	370	430
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-833M	SB-833M	SB-833M	SB-833M	SB-833N	SB-833N	SB-833N	SB-833N
SAMPLE ID	E-SB-833M-04	E-SB-833M-06	E-SB-833M-08	E-SB-833M-10	E-SB-833N-04	E-SB-833N-06	E-SB-833N-08	E-SB-833N-10
SAMPLE DATE	20101013	20101013	20101013	20101013	20101014	20101014	20101014	20101014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	4	6	8	10
BOTTOM DEPTH	4	6	8	10	4	6	8	10
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MRC-MW43A	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003
SAMPLE ID	MRC-MW43[0910]	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05	SB-3-10
SAMPLE DATE	20050517	20031120	20031120	20031120	20031120	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,1,1-TRICHLOROETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,1,2,2-TETRACHLOROETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,1,2-TRICHLOROETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,1-DICHLOROETHENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,1-DICHLOROPROPENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2,3-TRICHLOROBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2,3-TRICHLOROPROPANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2,4-TRIMETHYLBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2-DIBROMOETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2-DICHLOROBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2-DICHLOROETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,2-DICHLOROPROPANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,3,5-TRIMETHYLBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,3-DICHLOROBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,3-DICHLOROPROPANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
2-BUTANONE	NA	72 U	67 U	67 U	66 U	65 U	66 U
2-CHLOROETHYL VINYL ETHER	NA	7 U	7 U	7 U	7 U	7 U	7 U
2-CHLOROTOLUENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
2-HEXANONE	NA	72 U	67 U	67 U	66 U	65 U	66 U
4-CHLOROTOLUENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
4-ISOPROPYLTOLUENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
4-METHYL-2-PENTANONE	NA	72 U	67 U	67 U	66 U	65 U	66 U
ACETONE	NA	30 J	67 UJ	17 J	11 J	12 J	66 UJ
BENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
BROMOBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
BROMOCHLOROMETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
BROMODICHLOROMETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
BROMOFORM	NA	7 U	7 U	7 U	7 U	7 U	7 U
BROMOMETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
CARBON DISULFIDE	NA	7 U	7 U	7 U	7 U	7 U	7 U
CARBON TETRACHLORIDE	NA	7 U	7 U	7 U	7 U	7 U	7 U
CHLOROBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
CHLORODIBROMOMETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
CHLOROETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
CHLOROFORM	NA	7 U	7 U	7 U	7 U	7 U	7 U
CHLOROMETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
CIS-1,2-DICHLOROETHENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
CIS-1,3-DICHLOROPROPENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
DIBROMOMETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
DICHLORODIFLUOROMETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
ISOPROPYLBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
M+P-XYLENES	NA	22 U	20 U	20 U	20 U	20 U	20 U
METHYL TERT-BUTYL ETHER	NA	7 U	7 U	7 U	7 U	7 U	7 U
METHYLENE CHLORIDE	NA	12 J	9 J	7 U	7 U	9 J	11 J
NAPHTHALENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
N-BUTYLBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
N-PROPYLBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
O-XYLENE	NA	22 U	20 U	20 U	20 U	20 U	20 U
SEC-BUTYLBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
STYRENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
TOLUENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
TRANS-1,3-DICHLOROPROPENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
TRICHLOROETHENE	NA	7 U	7 U	7 U	7 U	7 U	7 U
TRICHLOROFLUOROMETHANE	NA	7 U	7 U	7 U	7 U	7 U	7 U
VINYL ACETATE	NA	7 U	7 U	7 U	7 U	7 U	7 U

LOCATION	MRC-MW43A	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003
SAMPLE ID	MRC-MW43[0910]	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05	SB-3-10
SAMPLE DATE	20050517	20031120	20031120	20031120	20031120	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10
VINYL CHLORIDE	NA	7 U	7 U	7 U	7 U	7 U	7 U
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	480 U	450 U	440 U	440 U	440 U	440 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	480 U	450 U	440 U	440 U	440 U	440 U
2,4,5-TRICHLOROPHENOL	NA	1200 U	1100 U	1100 U	1100 U	1100 U	1100 U
2,4,6-TRICHLOROPHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
2,4-DICHLOROPHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
2,4-DIMETHYLPHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
2,4-DINITROPHENOL	NA	1200 U	1100 U	1100 U	1100 U	1100 U	1100 U
2,4-DINITROTOLUENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
2,6-DINITROTOLUENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
2-CHLORONAPHTHALENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
2-CHLOROPHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
2-METHYLPHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
2-NITROANILINE	NA	1200 U	1100 U	1100 U	1100 U	1100 U	1100 U
2-NITROPHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
3&4-METHYLPHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
3,3'-DICHLOROBENZIDINE	NA	480 U	450 U	440 U	440 U	440 U	440 U
3-NITROANILINE	NA	1200 U	1100 U	1100 U	1100 U	1100 U	1100 U
4,6-DINITRO-2-METHYLPHENOL	NA	1100 U	1000 U	1000 U	1000 U	1000 U	1000 U
4-BROMOPHENYL PHENYL ETHER	NA	480 U	450 U	440 U	440 U	440 U	440 U
4-CHLORO-3-METHYLPHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
4-CHLOROANILINE	NA	480 U	450 U	440 U	440 U	440 U	440 U
4-CHLOROPHENYL PHENYL ETHER	NA	480 U	450 U	440 U	440 U	440 U	440 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	1200 U	1100 U	1100 U	1100 U	1100 U	1100 U
4-NITROPHENOL	NA	1200 U	1100 U	1100 U	1100 U	1100 U	1100 U
ACETOPHENONE	NA	480 U	450 U	440 U	440 U	440 U	440 U
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	480 U	450 U	440 U	440 U	440 U	440 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	480 U	450 U	440 U	440 U	440 U	440 U
BIS(2-CHLOROETHYL)ETHER	NA	480 U	450 U	440 U	440 U	440 U	440 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	480 U	450 U	440 U	440 U	440 U	440 U
BUTYL BENZYL PHTHALATE	NA	480 U	450 U	440 U	440 U	440 U	440 U
CAPROLACTAM	NA	480 U	450 U	440 U	440 U	440 U	440 U
CARBAZOLE	NA	480 U	450 U	440 U	440 U	440 U	440 U
DIBENZOFURAN	NA	480 U	450 U	440 U	440 U	440 U	440 U
DIETHYL PHTHALATE	NA	480 U	450 U	440 U	440 U	440 U	440 U
DIMETHYL PHTHALATE	NA	480 U	450 U	440 U	440 U	440 U	440 U
DI-N-BUTYL PHTHALATE	NA	480 U	450 U	440 U	440 U	440 U	440 U
DI-N-OCTYL PHTHALATE	NA	480 U	450 U	440 U	440 U	440 U	440 U
HEXACHLOROBENZENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
HEXACHLOROBUTADIENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
HEXACHLOROCYCLOPENTADIENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
HEXACHLOROETHANE	NA	480 U	450 U	440 U	440 U	440 U	440 U
ISOPHORONE	NA	480 U	450 U	440 U	440 U	440 U	440 U
NITROBENZENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	480 U	450 U	440 U	440 U	440 U	440 U
N-NITROSODIPHENYLAMINE	NA	480 U	450 U	440 U	440 U	440 U	440 U
PENTACHLOROPHENOL	NA	1200 U	1100 U	1100 U	1100 U	1100 U	1100 U
PHENOL	NA	480 U	450 U	440 U	440 U	440 U	440 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
ACENAPHTHENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
ACENAPHTHYLENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
ANTHRACENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
BAP EQUIVALENT-HALFND	NA	480 U	450 U	440 U	440 U	440 U	440 U
BAP EQUIVALENT-POS	NA	480 U	450 U	440 U	440 U	440 U	440 U
BENZO(A)ANTHRACENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
BENZO(A)PYRENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
BENZO(B)FLUORANTHENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
BENZO(K)FLUORANTHENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MRC-MW43A	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003
SAMPLE ID	MRC-MW43[0910]	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05	SB-3-10
SAMPLE DATE	20050517	20031120	20031120	20031120	20031120	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

LOCATION	MRC-MW43A	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003
SAMPLE ID	MRC-MW43[0910]	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05	SB-3-10
SAMPLE DATE	20050517	20031120	20031120	20031120	20031120	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
DIBENZO(A,H)ANTHRACENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
FLUORANTHENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
FLUORENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
INDENO(1,2,3-CD)PYRENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
NAPHTHALENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
PHENANTHRENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
PYRENE	NA	480 U	450 U	440 U	440 U	440 U	440 U
TOTAL PAHS	NA	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	72 U	67 U	67 U	66 U	65 U	66 U
AROCLOR-1221	NA	72 U	67 U	67 U	66 U	65 U	66 U
AROCLOR-1232	NA	72 U	67 U	67 U	66 U	65 U	66 U
AROCLOR-1242	NA	72 U	67 U	67 U	66 U	65 U	66 U
AROCLOR-1248	NA	72 U	67 U	67 U	66 U	65 U	66 U
AROCLOR-1254	NA	72 U	67 U	67 U	66 U	65 U	66 U
AROCLOR-1260	NA	72 U	67 U	67 U	66 U	65 U	66 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	3.6 UL	3.4 UL	3.3 UL	3.3 UL	3.3 UL	3.3 UL
ARSENIC	NA	5.5 L	1.8 L	2.1 L	0.87 L	1.5 L	1.6 L
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	3.6	3.4 U	3.3 U	3.3 U	3.3 U	3.3 U
CADMIUM	NA	3.6 U	3.4 U	3.3 U	3.3 U	3.3 U	3.3 U
CHROMIUM	NA	26 J	13 B	3.4 B	3.3 UJ	6.6 B	5.2 B
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	45	17	3.3 U	3.3 U	3.3 U	3.3 U
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	7.7	5	3.3 U	3.3 U	3.3 U	3.3 U
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.14 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	14	30	3.3 U	3.3 U	3.3 U	3.3 U
SELENIUM	NA	3.6 U	3.4 U	3.3 U	3.3 U	3.3 U	3.3 U
SILVER	NA	3.6 UR	3.4 UR	3.3 UR	3.3 UR	3.3 UR	3.3 UR
THALLIUM	NA	2.9 U	2.7 U	2.7 U	2.6 U	2.6 U	2.6 U
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	79	76	33 U	33 U	33 U	33 U
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	29000 U	27000 U	27000 U	26000 U	26000 U	26000 U
GASOLINE RANGE ORGANICS	NA	140 U	130 U	130 U	130 U	490	4400
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	70	74	75	76	77	76
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MRC-MW43A	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003
SAMPLE ID	MRC-MW43[0910]	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05	SB-3-10
SAMPLE DATE	20050517	20031120	20031120	20031120	20031120	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10
TOTAL ORGANIC CARBON	690 J	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-004	SB-004	SB-010	SB-011	SB-012	SB-013	SB-014	SB-015	SB-016
SAMPLE ID	SB-4-05	SB-4-10	SB-10-05	SB-11-05	SB-12-05	SB-13-05	SB-14-05	SB-15-05	SB-16-05
SAMPLE DATE	20031120	20031120	20031118	20031119	20031119	20031119	20031119	20031119	20031119
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	5	5	5	5	5	5
BOTTOM DEPTH	5	10	5	5	5	5	5	5	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
ACETONE	35 J	15 J	NA	NA	NA	NA	NA	NA	NA
BENZENE	7 U	7 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMOBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	7 U	7 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	21 U	20 U	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	11 J	11 J	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	7 U	7 U	1 U	1 U	1 U	1 U	1 U	2	1 U
N-BUTYLBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	21 U	20 U	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
STYRENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
TOLUENE	7 U	7 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	1 U	1 U	1 U	1 U	1 U	3	1 U
TRANS-1,2-DICHLOROETHENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-004	SB-004	SB-010	SB-011	SB-012	SB-013	SB-014	SB-015	SB-016
SAMPLE ID	SB-4-05	SB-4-10	SB-10-05	SB-11-05	SB-12-05	SB-13-05	SB-14-05	SB-15-05	SB-16-05
SAMPLE DATE	20031120	20031120	20031118	20031119	20031119	20031119	20031119	20031119	20031119
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	5	5	5	5	5	5
BOTTOM DEPTH	5	10	5	5	5	5	5	5	5
VINYL CHLORIDE	7 U	7 U	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1200 U	1100 U	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	1200 U	1100 U	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	1200 U	1100 U	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	1200 U	1100 U	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	1100 U	1000 U	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1200 U	1100 U	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	1200 U	1100 U	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	1200 U	1100 U	NA	NA	NA	NA	NA	NA	NA
PHENOL	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	531	450 U	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	0.052	450 U	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	50 J	450 U	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-004	SB-004	SB-010	SB-011	SB-012	SB-013	SB-014	SB-015	SB-016
SAMPLE ID	SB-4-05	SB-4-10	SB-10-05	SB-11-05	SB-12-05	SB-13-05	SB-14-05	SB-15-05	SB-16-05
SAMPLE DATE	20031120	20031120	20031118	20031119	20031119	20031119	20031119	20031119	20031119
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	5	5	5	5	5	5
BOTTOM DEPTH	5	10	5	5	5	5	5	5	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-004	SB-004	SB-010	SB-011	SB-012	SB-013	SB-014	SB-015	SB-016
SAMPLE ID	SB-4-05	SB-4-10	SB-10-05	SB-11-05	SB-12-05	SB-13-05	SB-14-05	SB-15-05	SB-16-05
SAMPLE DATE	20031120	20031120	20031118	20031119	20031119	20031119	20031119	20031119	20031119
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	5	5	5	5	5	5
BOTTOM DEPTH	5	10	5	5	5	5	5	5	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	52 J	450 U	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
FLUORENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	460 U	450 U	NA	NA	NA	NA	NA	NA	NA
PYRENE	57 J	450 U	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	159	0 U	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	69 U	68 U	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	3.5 UL	3.4 UL	NA	NA	NA	NA	NA	NA	NA
ARSENIC	4.9 L	2.4 L	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	3.5 U	3.4 U	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.5 U	3.4 U	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	27 J	14 B	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	17	15	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	4.5	4.4	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.14 U	0.14 U	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	9	8	NA	NA	NA	NA	NA	NA	NA
SELENIUM	3.5 U	3.4 U	NA	NA	NA	NA	NA	NA	NA
SILVER	3.5 UR	3.4 UR	NA	NA	NA	NA	NA	NA	NA
THALLIUM	2.8 U	2.7 U	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	35 U	34 U	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	230000	27000 U	20000 U	27000 U	27000 U	25000 U	25000 U	27000 U	25000 U
GASOLINE RANGE ORGANICS	190	140 U	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	72	73	75	75	75	81	80	75	79
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-004	SB-004	SB-010	SB-011	SB-012	SB-013	SB-014	SB-015	SB-016
SAMPLE ID	SB-4-05	SB-4-10	SB-10-05	SB-11-05	SB-12-05	SB-13-05	SB-14-05	SB-15-05	SB-16-05
SAMPLE DATE	20031120	20031120	20031118	20031119	20031119	20031119	20031119	20031119	20031119
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	5	5	5	5	5	5
BOTTOM DEPTH	5	10	5	5	5	5	5	5	5
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-017	SB-018	SB-019	SB-019	SB-020	SB-020	SB-021	SB-021	SB-035
SAMPLE ID	SB-17-05	SB-18-05	SB-19-05	SB-19-10	SB-20-05	SB-20-10	SB-21-05	SB-21-10	SB-35-04
SAMPLE DATE	20031119	20031119	20031121	20031121	20031120	20031120	20031120	20031120	20040922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	5	10	5	10	4
BOTTOM DEPTH	5	5	5	10	5	10	5	10	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	57 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	6 U
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	57 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	57 U
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	57 U
BENZENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6	6 U
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	6 U
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	11 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	6 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	7 J
NAPHTHALENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
TOLUENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	6 U

LOCATION	SB-017	SB-018	SB-019	SB-019	SB-020	SB-020	SB-021	SB-021	SB-035
SAMPLE ID	SB-17-05	SB-18-05	SB-19-05	SB-19-10	SB-20-05	SB-20-10	SB-21-05	SB-21-10	SB-35-04
SAMPLE DATE	20031119	20031119	20031121	20031121	20031120	20031120	20031120	20031120	20040922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	5	10	5	10	4
BOTTOM DEPTH	5	5	5	10	5	10	5	10	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	970 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	970 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	970 U
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	970 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	890 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	390 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	390 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	970 U
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	970 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	390 U
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	390 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	970 U
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	390 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-017	SB-018	SB-019	SB-019	SB-020	SB-020	SB-021	SB-021	SB-035
SAMPLE ID	SB-17-05	SB-18-05	SB-19-05	SB-19-10	SB-20-05	SB-20-10	SB-21-05	SB-21-10	SB-35-04
SAMPLE DATE	20031119	20031119	20031121	20031121	20031120	20031120	20031120	20031120	20040922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	5	10	5	10	4
BOTTOM DEPTH	5	5	5	10	5	10	5	10	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-017	SB-018	SB-019	SB-019	SB-020	SB-020	SB-021	SB-021	SB-035
SAMPLE ID	SB-17-05	SB-18-05	SB-19-05	SB-19-10	SB-20-05	SB-20-10	SB-21-05	SB-21-10	SB-35-04
SAMPLE DATE	20031119	20031119	20031121	20031121	20031120	20031120	20031120	20031120	20040922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	5	10	5	10	4
BOTTOM DEPTH	5	5	5	10	5	10	5	10	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	390 U
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	280 U
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	280 U
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	280 U
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	280 U
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	280 U
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	280 U
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	280 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	2.5 UL
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	1.6
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	10 J
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	6.1
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	4.6
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	0.1 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	5.7
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	2.5 UR
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	2 U
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	25 UL
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	28000 UJ	29000 U	56000	27000 U	26000 U	26000 U	28000 U	27000 U	12000 U
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	110 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	70	70	80	74	77	77	73	73	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-017	SB-018	SB-019	SB-019	SB-020	SB-020	SB-021	SB-021	SB-035
SAMPLE ID	SB-17-05	SB-18-05	SB-19-05	SB-19-10	SB-20-05	SB-20-10	SB-21-05	SB-21-10	SB-35-04
SAMPLE DATE	20031119	20031119	20031121	20031121	20031120	20031120	20031120	20031120	20040922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	5	10	5	10	4
BOTTOM DEPTH	5	5	5	10	5	10	5	10	4
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-036	SB-500	SB-500	SB-501	SB-501	SB-502	SB-502	SB-503	SB-504
SAMPLE ID	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810	SB-502-0406	SB-502-0810	SB-503-0406	SB-504-0406
SAMPLE DATE	20040917	20071127	20071127	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	4	8	4	8	4	8	4	4
BOTTOM DEPTH	5	6	10	6	10	6	10	6	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,1,1-TRICHLOROETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,1,2,2-TETRACHLOROETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,1,2-TRICHLOROETHANE	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,1-DICHLOROETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,1-DICHLOROETHENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,1-DICHLOROPROPENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,2,3-TRICHLOROBENZENE	6 U	5.6 U	6 U	2100	14000	21	710	6.1 U	5.7 U
1,2,3-TRICHLOROPROPANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,2,3-TRIMETHYLBENZENE	NA	1.7 J	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	0.35 J
1,2,4-TRICHLOROBENZENE	6 U	5.6 U	6 U	4800	69000	71	3700	6.1 U	0.95 B
1,2,4-TRIMETHYLBENZENE	6 U	4.4 J	6 U	280 U	2900 U	5.8 U	290 U	0.92 B	0.95 B
1,2-DIBROMO-3-CHLOROPROPANE	6 U	11 U	12 U	550 U	5800 U	12 U	580 U	12 U	11 U
1,2-DIBROMOETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,2-DICHLOROBENZENE	6 U	5.6 U	6 U	280 U	610 J	5.8 U	290 U	6.1 U	5.7 U
1,2-DICHLOROETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	1.5 J
1,2-DICHLOROPROPANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,3,5-TRIMETHYLBENZENE	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	5.6 U	6 U	280 U	2900 U	0.46 J	290 U	6.1 U	5.7 U
1,3-DICHLOROPROPANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	5.6 U	6 U	17 J	640 J	5.8 U	290 U	6.1 U	5.7 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
2-BUTANONE	59 U	11 U	12 U	550 U	5800 U	12 U	580 U	12 U	11 U
2-CHLOROETHYL VINYL ETHER	6 U	11 U	12 U	550 U	5800 U	12 U	580 U	12 U	11 U
2-CHLOROTOLUENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
2-HEXANONE	59 U	11 U	12 U	550 U	5800 U	12 U	580 U	12 U	11 U
4-CHLOROTOLUENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
4-ISOPROPYLTOLUENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	9
4-METHYL-2-PENTANONE	59 U	11 U	12 U	550 U	5800 U	12 U	580 U	12 U	11 U
ACETONE	59 U	11 U	12 U	550 U	5800 U	12 J	580 U	12 U	21 J
BENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	0.81 J
BROMOBENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
BROMOCHLOROMETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
BROMODICHLOROMETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
BROMOFORM	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
BROMOMETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
CARBON DISULFIDE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	1.2 J
CARBON TETRACHLORIDE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
CHLOROBENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	1.8 J
CHLORODIBROMOMETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
CHLOROETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
CHLOROFORM	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
CHLOROMETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
CIS-1,2-DICHLOROETHENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
CIS-1,3-DICHLOROPROPENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
DIBROMOMETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
DICHLORODIFLUOROMETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
DIISOPROPYL ETHER	NA	11 U	12 U	550 U	5800 U	12 U	580 U	12 U	11 U
ETHYL TERT-BUTYL ETHER	NA	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
ETHYLBENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
ISOPROPYLBENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	0.82 J
M+P-XYLENES	12 U	2.1 J	12 U	550 U	5800 U	12 U	580 U	12 U	11 U
METHYL TERT-BUTYL ETHER	6 U	11 U	12 U	550 U	5800 U	12 U	580 U	12 U	11 U
METHYLENE CHLORIDE	8 J	1.4 B	3 B	280 U	2900 U	2.7 B	290 U	3.3 B	3.4 B
NAPHTHALENE	6 U	2.6 B	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	1.3 B
N-BUTYLBENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
N-PROPYLBENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
O-XYLENE	6 U	1.3 J	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	1.4 J
SEC-BUTYLBENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
STYRENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
TERT-AMYL METHYL ETHER	NA	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
TERT-BUTYLBENZENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
TERTIARY-BUTYL ALCOHOL	NA	110 UR	120 UR	5500 UR	58000 UR	120 UR	5800 UR	120 UR	110 UR
TETRACHLOROETHENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
TOLUENE	6 U	0.49 J	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	0.59 J
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	3.4 J	12 U	550 U	5800 U	12 U	580 U	12 U	2.2 J
TRANS-1,2-DICHLOROETHENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
TRANS-1,3-DICHLOROPROPENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
TRICHLOROETHENE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
TRICHLOROFLUOROMETHANE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	5.7 U
VINYL ACETATE	6 U	11 U	12 U	550 U	5800 U	12 U	580 U	12 U	11 U

LOCATION	SB-036	SB-500	SB-500	SB-501	SB-501	SB-502	SB-502	SB-503	SB-504
SAMPLE ID	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810	SB-502-0406	SB-502-0810	SB-503-0406	SB-504-0406
SAMPLE DATE	20040917	20071127	20071127	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	4	8	4	8	4	8	4	4
BOTTOM DEPTH	5	6	10	6	10	6	10	6	6
VINYL CHLORIDE	6 U	5.6 U	6 U	280 U	2900 U	5.8 U	290 U	6.1 U	0.64 J
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2,4,5-TRICHLOROPHENOL	1000 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2,4,6-TRICHLOROPHENOL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2,4-DICHLOROPHENOL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2,4-DIMETHYLPHENOL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2,4-DINITROPHENOL	1000 U	740 U	790 U	740 U	780 U	770 U	7700 U	800 U	3000 U
2,4-DINITROTOLUENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2,6-DINITROTOLUENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2-CHLORONAPHTHALENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2-CHLOROPHENOL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2-METHYLPHENOL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
2-NITROANILINE	1000 U	740 U	790 U	740 U	780 U	770 U	7700 U	800 U	3000 U
2-NITROPHENOL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
3&4-METHYLPHENOL	400 U	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
3-NITROANILINE	1000 U	740 U	790 U	740 U	780 U	770 U	7700 U	800 U	3000 U
4,6-DINITRO-2-METHYLPHENOL	930 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
4-BROMOPHENYL PHENYL ETHER	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
4-CHLORO-3-METHYLPHENOL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
4-CHLOROANILINE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
4-CHLOROPHENYL PHENYL ETHER	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
4-METHYLPHENOL	NA	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
4-NITROANILINE	1000 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
4-NITROPHENOL	1000 U	740 U	790 U	740 U	780 U	770 U	7700 U	800 U	3000 U
ACETOPHENONE	400 U	75 U	80 U	74 U	79 U	78 U	780 U	81 U	310 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
BIS(2-CHLOROETHYL)ETHER	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
BIS(2-ETHYLHEXYL)PHTHALATE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
BUTYL BENZYL PHTHALATE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
CAPROLACTAM	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
CARBAZOLE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	370 J
DIBENZOFURAN	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	260 J
DIETHYL PHTHALATE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
DIMETHYL PHTHALATE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
DI-N-BUTYL PHTHALATE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
DI-N-OCTYL PHTHALATE	400 UJ	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
HEXACHLOROBENZENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
HEXACHLOROBUTADIENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
HEXACHLOROCYCLOPENTADIENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
HEXACHLOROETHANE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
ISOPHORONE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
NITROBENZENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
N-NITROSODIMETHYLAMINE	NA	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
N-NITROSO-DI-N-PROPYLAMINE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
N-NITROSODIPHENYLAMINE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
PENTACHLOROPHENOL	1000 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
PHENOL	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	140 J
ACENAPHTHENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	500 J
ACENAPHTHYLENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1500 U
ANTHRACENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	1100 J
BAP EQUIVALENT-HALFND	400 U	370 U	400 U	370 U	390 U	217	3800 U	234	2167
BAP EQUIVALENT-POS	400 U	370 U	400 U	370 U	390 U	22	3800 U	34	2167
BENZO(A)ANTHRACENE	400 U	370 U	400 U	370 U	390 U	21 J	3800 U	28 J	2000
BENZO(A)PYRENE	400 UJ	370 U	400 U	370 U	390 U	16 J	3800 U	26 J	1500
BENZO(B)FLUORANTHENE	400 UJ	370 U	400 U	370 U	390 U	31 J	3800 U	40 J	1900
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	400 UJ	370 U	400 U	370 U	390 U	11 J	3800 U	19 J	710 J
BENZO(K)FLUORANTHENE	400 UJ	370 U	400 U	370 U	390 U	9.3 J	3800 U	17 J	770 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-036	SB-500	SB-500	SB-501	SB-501	SB-502	SB-502	SB-503	SB-504
SAMPLE ID	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810	SB-502-0406	SB-502-0810	SB-503-0406	SB-504-0406
SAMPLE DATE	20040917	20071127	20071127	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	4	8	4	8	4	8	4	4
BOTTOM DEPTH	5	6	10	6	10	6	10	6	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-036	SB-500	SB-500	SB-501	SB-501	SB-502	SB-502	SB-503	SB-504
SAMPLE ID	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810	SB-502-0406	SB-502-0810	SB-503-0406	SB-504-0406
SAMPLE DATE	20040917	20071127	20071127	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	4	8	4	8	4	8	4	4
BOTTOM DEPTH	5	6	10	6	10	6	10	6	6
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	400 U	370 U	400 U	370 U	390 U	13 J	3800 U	29 J	1700
DIBENZO(A,H)ANTHRACENE	400 UJ	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	200 J
FLUORANTHENE	400 U	370 U	400 U	370 U	390 U	32 J	3800 U	54 J	4900
FLUORENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	510 J
INDENO(1,2,3-CD)PYRENE	400 UJ	370 U	400 U	370 U	390 U	10 J	3800 U	15 J	680 J
NAPHTHALENE	400 U	370 U	400 U	370 U	390 U	390 U	3800 U	400 U	330 J
PHENANTHRENE	400 U	370 U	400 U	370 U	390 U	10 J	3800 U	25 J	3900
PYRENE	400 U	370 U	400 U	370 U	390 U	20 J	3800 U	51 J	3400
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	173.3	0 U	304	24240
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	300 U	37 U	40 U	740 U	3900 U	7700 U	19000 U	200 U	1900 U
AROCLOR-1221	300 U	37 U	40 U	740 U	3900 U	7700 U	19000 U	200 U	1900 U
AROCLOR-1232	300 U	37 U	40 U	740 U	3900 U	7700 U	19000 U	200 U	1900 U
AROCLOR-1242	300 U	37 U	40 U	740 U	3900 U	7700 U	19000 U	200 U	1900 U
AROCLOR-1248	300 U	37 U	40 U	740 U	3900 U	7700 U	19000 U	200 U	1900 U
AROCLOR-1254	300 U	37 U	40 U	740 U	3900 U	7700 U	19000 U	200 U	1900 U
AROCLOR-1260	300 U	37 U	40 U	5800	24000	49000	65000	380	11000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	5800	24000	49000	65000	380	11000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	2.8 U	0.091 B	0.098 B	0.068 B	0.18 J	0.17 L	0.14 B	0.1 B	0.14 B
ARSENIC	1.3	0.31 L	0.73 L	1.1 L	0.94 L	1.3 L	0.55 L	0.42 L	2
BARIUM	NA	6.2	8.5	6.5	13.8	6.5	3.6	2.1	50.7
BERYLLIUM	2.8 U	0.33	0.57	0.44	3.1	0.15	0.11	0.015 B	0.75
CADMIUM	2.8 U	0.0084 B	0.016	0.0056 B	0.018 K	0.056	0.035	0.018	0.67
CHROMIUM	5.6 K	7.4 K	10.8 K	6 K	15.7 K	5.9 K	3.3 K	3.2 J	12.9 J
COBALT	NA	1.2 J	1.7 J	1.7 J	4.1 J	1.1 J	0.67 J	0.18	8.6
COPPER	4.7 L	3.6 J	4.5 J	4.9 J	12.4 J	2.3 J	1.6 J	1.9 J	12.9 J
IRON	NA	9880	10900	7710	25800	5570	4060	1980	15400
LEAD	2.8 UJ	1.6 J	1.3 J	1.8 J	5.1 J	3.6 J	2.4 J	2.4 J	14.4 J
MANGANESE	NA	19.6 L	18.6 L	29 L	70.4 L	44 L	39.7 L	3.5	88.8
MERCURY	0.11 U	0.019 U	0.02 U	0.019 U	0.02 U	0.019 U	0.019 U	0.02 U	0.079
MOLYBDENUM	NA	0.13 B	0.13 B	0.17 B	0.078 UL	0.14 B	0.18 B	0.35 B	0.38 B
NICKEL	2.8 U	4	6.4	2.1	14.7	1.6	1.4	0.39 B	10.9
SELENIUM	2.8 U	0.56 L	0.24 L	0.18 UL	0.46 L	0.19 UL	0.19 UL	0.19 U	0.21
SILVER	2.8 UL	0.036	0.04	0.026 B	0.078	0.031 B	0.018 B	0.016 B	0.16
THALLIUM	2.3 UL	0.024 B	0.033 B	0.031 B	0.052 B	0.015 B	0.0085 B	0.011 B	0.099 K
VANADIUM	NA	10.8	17.3	7.1	20.7	7.2	4	5.3 J	18.3 J
ZINC	28 UL	5.7 J	8.4 J	7.4 J	24.8 J	13.9 J	14.9 J	2.8	41.1
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	12000 U	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	120 U	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	15000 B	640 J	25000 B	34000 B	48000	37000	9900 J	130000 B
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	89.3	83.3	89.5	84.7	85.7	85.8	82.1	87.2
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-036	SB-500	SB-500	SB-501	SB-501	SB-502	SB-502	SB-503	SB-504
SAMPLE ID	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810	SB-502-0406	SB-502-0810	SB-503-0406	SB-504-0406
SAMPLE DATE	20040917	20071127	20071127	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	4	8	4	8	4	8	4	4
BOTTOM DEPTH	5	6	10	6	10	6	10	6	6
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507	SB-507	SB-508	SB-508
SAMPLE ID	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406	SB-507-0810	SB-508-0406	SB-508-0406-AVG
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	4	8	4	4
BOTTOM DEPTH	10	6	10	6	10	6	10	6	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,1,1-TRICHLOROETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,1,2,2-TETRACHLOROETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,1-DICHLOROETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,1-DICHLOROETHENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,1-DICHLOROPROPENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,2,3-TRICHLOROBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,2,3-TRICHLOROPROPANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,2,3-TRIMETHYLBENZENE	0.35 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,2,4-TRICHLOROBENZENE	0.63 B	5.8 U	0.45 B	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,2,4-TRIMETHYLBENZENE	1.2 B	5.8 U	6.3 U	5.8 U	1 B	6.2 U	5.8 U	5.8 U	5.85 U
1,2-DIBROMO-3-CHLOROPROPANE	12 U	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U
1,2-DIBROMOETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,2-DICHLOROBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,2-DICHLOROETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,2-DICHLOROPROPANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,3-DICHLOROPROPANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
2-BUTANONE	4.3 J	12 U	13 U	12 U	13 U	2.6 J	12 U	12 U	12 U
2-CHLOROETHYL VINYL ETHER	12 U	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U
2-CHLOROTOLUENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
2-HEXANONE	12 U	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U
4-CHLOROTOLUENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
4-ISOPROPYLTOLUENE	1.6 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
4-METHYL-2-PENTANONE	12 U	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U
ACETONE	74 J	12 U	13 U	12 U	14 J	56 J	8 J	12 U	12 U
BENZENE	0.78 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
BROMOBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
BROMOCHLOROMETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
BROMODICHLOROMETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
BROMOFORM	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
BROMOMETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
CARBON DISULFIDE	2.4 J	5.8 U	6.3 U	5.8 U	4.2 J	6.2 U	5.8 U	5.8 U	5.85 U
CARBON TETRACHLORIDE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
CHLOROBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
CHLORODIBROMOMETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
CHLOROETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
CHLOROFORM	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
CHLOROMETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
CIS-1,2-DICHLOROETHENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
CIS-1,3-DICHLOROPROPENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
DIBROMOMETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
DICHLORODIFLUOROMETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
DIISOPROPYL ETHER	12 U	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U
ETHYL TERT-BUTYL ETHER	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
ETHYLBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
ISOPROPYLBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
M+P-XYLENES	12 U	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U
METHYL TERT-BUTYL ETHER	12 U	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	3.7 B	3.1 B	2.5 B	2.3 B	1.8 B	6.5 B	5.3 B	7.1 B	6.25 U
NAPHTHALENE	2.4 B	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
N-BUTYLBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
N-PROPYLBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
O-XYLENE	0.8 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
SEC-BUTYLBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
STYRENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
TERT-AMYL METHYL ETHER	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
TERT-BUTYLBENZENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
TERTIARY-BUTYL ALCOHOL	120 UR	120 UR	130 UR	120 UR	130 UR	120 UR	120 UR	120 UR	120 R
TETRACHLOROETHENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
TOLUENE	0.47 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1.5 J	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U
TRANS-1,2-DICHLOROETHENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
TRANS-1,3-DICHLOROPROPENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
TRICHLOROETHENE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
TRICHLOROFLUOROMETHANE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
VINYL ACETATE	12 U	12 U	13 U	12 U	13 U	12 U	12 U	12 U	12 U

LOCATION	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507	SB-507	SB-508	SB-508
SAMPLE ID	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406	SB-507-0810	SB-508-0406	SB-508-0406-AVG
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	4	8	4	4
BOTTOM DEPTH	10	6	10	6	10	6	10	6	6
VINYL CHLORIDE	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U	5.8 U	5.8 U	5.85 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2,4,5-TRICHLOROPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2,4,6-TRICHLOROPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2,4-DICHLOROPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2,4-DIMETHYLPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2,4-DINITROPHENOL	770 U	770 U	830 U	760 U	840 U	810 U	760 U	770 U	775 U
2,4-DINITROTOLUENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2,6-DINITROTOLUENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2-CHLORONAPHTHALENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2-CHLOROPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2-METHYLPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
2-NITROANILINE	770 U	770 U	830 U	760 U	840 U	810 U	760 U	770 U	775 U
2-NITROPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
3-NITROANILINE	770 U	770 U	830 U	760 U	840 U	810 U	760 U	770 U	775 U
4,6-DINITRO-2-METHYLPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
4-BROMOPHENYL PHENYL ETHER	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
4-CHLORO-3-METHYLPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
4-CHLOROANILINE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
4-CHLOROPHENYL PHENYL ETHER	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
4-METHYLPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
4-NITROANILINE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
4-NITROPHENOL	770 U	770 U	830 U	760 U	840 U	810 U	760 U	770 U	775 U
ACETOPHENONE	77 U	78 U	84 U	77 U	85 U	82 U	77 U	78 U	78 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
BIS(2-CHLOROETHYL)ETHER	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
BIS(2-ETHYLHEXYL)PHTHALATE	38 J	380 U	25 J	380 U	420 U	410 U	380 U	390 U	390 U
BUTYL BENZYL PHTHALATE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
CAPROLACTAM	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
CARBAZOLE	22 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
DIBENZOFURAN	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
DIETHYL PHTHALATE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
DIMETHYL PHTHALATE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
DI-N-BUTYL PHTHALATE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
DI-N-OCTYL PHTHALATE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
HEXACHLOROBENZENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
HEXACHLOROBUTADIENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
HEXACHLOROCYCLOPENTADIENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
HEXACHLOROETHANE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
ISOPHORONE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
NITROBENZENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
N-NITROSODIMETHYLAMINE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
N-NITROSO-DI-N-PROPYLAMINE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
N-NITROSODIPHENYLAMINE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
PENTACHLOROPHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
PHENOL	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	12 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
ACENAPHTHENE	21 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
ACENAPHTHYLENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
ANTHRACENE	26 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
BAP EQUIVALENT-HALFND	287	380 U	239	380 U	420 U	410 U	380 U	390 U	390 U
BAP EQUIVALENT-POS	97	380 U	13	380 U	420 U	410 U	380 U	390 U	390 U
BENZO(A)ANTHRACENE	83 J	380 U	9.7 J	380 U	420 U	410 U	380 U	390 U	390 U
BENZO(A)PYRENE	73 J	380 U	10 J	380 U	420 U	410 U	380 U	390 U	390 U
BENZO(B)FLUORANTHENE	110 J	380 U	21 J	380 U	420 U	410 U	380 U	390 U	390 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	47 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
BENZO(K)FLUORANTHENE	38 J	380 U	9.2 J	380 U	420 U	410 U	380 U	390 U	390 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507	SB-507	SB-508	SB-508
SAMPLE ID	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406	SB-507-0810	SB-508-0406	SB-508-0406-AVG
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	4	8	4	4
BOTTOM DEPTH	10	6	10	6	10	6	10	6	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507	SB-507	SB-508	SB-508
SAMPLE ID	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406	SB-507-0810	SB-508-0406	SB-508-0406-AVG
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	4	8	4	4
BOTTOM DEPTH	10	6	10	6	10	6	10	6	6
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	71 J	380 U	12 J	380 U	420 U	410 U	380 U	390 U	390 U
DIBENZO(A,H)ANTHRACENE	380 U	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
FLUORANTHENE	190 J	380 U	21 J	380 U	420 U	410 U	380 U	390 U	390 U
FLUORENE	19 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
INDENO(1,2,3-CD)PYRENE	43 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
NAPHTHALENE	22 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
PHENANTHRENE	100 J	380 U	410 U	380 U	420 U	410 U	380 U	390 U	390 U
PYRENE	120 J	380 U	17 J	380 U	420 U	410 U	380 U	390 U	390 U
TOTAL PAHS	975	0 U	99.9	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	380 U	38 U	210 U	38 U	42 U	41 U	38 U	39 U	39 U
AROCLOR-1221	380 U	38 U	210 U	38 U	42 U	41 U	38 U	39 U	39 U
AROCLOR-1232	380 U	38 U	210 U	38 U	42 U	41 U	38 U	39 U	39 U
AROCLOR-1242	380 U	38 U	210 U	38 U	42 U	41 U	38 U	39 U	39 U
AROCLOR-1248	380 U	38 U	210 U	38 U	42 U	41 U	38 U	39 U	39 U
AROCLOR-1254	380 U	38 U	210 U	38 U	42 U	41 U	38 U	39 U	39 U
AROCLOR-1260	2300	15 J	650	38 U	20 J	41 U	38 U	39 U	39 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	2300	15	650	0 U	20	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.13 B	0.17 B	0.12 B	0.045 B	0.033 B	0.067 B	0.036 B	0.11 B	0.0945 U
ARSENIC	1.2 L	1.2 L	1.7	1.6	1 L	2.3	1.1 L	1.4	1.2
BARIUM	89.2	21.1	16.6	17.9	9.5	20.6	9.8	11.4	9.75
BERYLLIUM	0.38	0.95	0.72	0.61	0.48	1.1	1.6	0.85	0.79
CADMIUM	0.38 K	0.018 K	0.069 K	0.022	0.0077 B	0.038 K	0.028	0.014 B	0.014 U
CHROMIUM	13.3 J	10.2 J	12.8 J	8.7 J	4.4 J	11.1 J	7.5 J	9.1 J	7.9
COBALT	4.5	6.3	4.6	3.3	2.4	3.3	1.2	2.3	2
COPPER	16.6 J	14.6 J	11.7 J	7 J	4.6 J	6.8 J	6.3 J	10.6 J	9.4
IRON	18900	17700	17000	8880	6210	13600	3760	17700	14550
LEAD	10.4 J	3.7 J	4 J	4.4 J	2.4 J	6.8 J	3.3 J	3.4 J	3.1
MANGANESE	168	34.5	31.3	41.5	29.3	44.7	8.1	14.3 J	73.15
MERCURY	0.29	0.019 U	0.021 U	0.019 U	0.021 U	0.021 U	0.019 U	0.019 U	0.0195 U
MOLYBDENUM	1.3 J	0.15 B	0.42 B	0.12 B	0.16 B	0.33 B	0.11 B	0.13 B	0.111 U
NICKEL	11.1	10.3	6.5	8.2	2.8	7.1	4.2	6.6	6.1
SELENIUM	0.31	0.31	0.2	0.19 U	0.2 U	0.21	0.56	0.32	0.35
SILVER	0.094	0.073	0.07	0.051	0.034 B	0.077	0.036 B	0.078	0.0785
THALLIUM	0.21 K	0.051 B	0.04 B	0.047 B	0.027 B	0.13 K	0.041 B	0.046 B	0.041 U
VANADIUM	20.2 J	18.8 J	15.9 J	16 J	7.6 J	17.5 J	14.4 J	19.8 J	16.55
ZINC	45.7	19.5	18.1	26.3	9.8	25.4	8.5	16.8 J	13.1
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	43000	2700 B	7000 J	17000 J	3600 J	4300 J	2700 B	1900 B	1800 U
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	86	85.9	79.7	86.4	78.5	81.1	86.3	85.6	85.35
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507	SB-507	SB-508	SB-508
SAMPLE ID	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406	SB-507-0810	SB-508-0406	SB-508-0406-AVG
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	4	8	4	4
BOTTOM DEPTH	10	6	10	6	10	6	10	6	6
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-508	SB-508	SB-509	SB-509	SB-834	SB-834	SB-834	SB-835	SB-835
SAMPLE ID	SB-508-0406-D	SB-508-0810	SB-509-0406	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09	E-SB-835-03	E-SB-835-05
SAMPLE DATE	20071128	20071128	20071129	20071129	20100916	20100916	20100916	20100917	20100917
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	5	7	9	3	5
BOTTOM DEPTH	6	10	6	10	5	7	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	12 U	12 U	12 U	11 U	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
2-BUTANONE	12 U	4.6 J	12 U	11 U	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	12 U	12 U	12 U	11 U	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
2-HEXANONE	12 U	12 U	12 U	11 U	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	12 U	12 U	12 U	11 U	NA	NA	NA	NA	NA
ACETONE	12 U	13 J	10 J	15 J	NA	NA	NA	NA	NA
BENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
BROMOBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
BROMOFORM	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
BROMOMETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CARBON DISULFIDE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CHLOROBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CHLOROETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CHLOROFORM	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CHLOROMETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
DIBROMOMETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	12 U	12 U	12 U	11 U	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
ETHYLBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
M+P-XYLENES	12 U	12 U	12 U	11 U	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	12 U	12 U	12 U	11 U	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	5.4 B	7.2 B	4.8 B	4.3 B	NA	NA	NA	NA	NA
NAPHTHALENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
N-BUTYLBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
N-PROPYLBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
O-XYLENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
STYRENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	120 UR	120 UR	120 UR	110 UR	NA	NA	NA	NA	NA
TETRACHLOROETHENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
TOLUENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	12 U	12 U	12 U	11 U	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
TRICHLOROETHENE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
VINYL ACETATE	12 U	12 U	12 UJ	11 UJ	NA	NA	NA	NA	NA

LOCATION	SB-508	SB-508	SB-509	SB-509	SB-834	SB-834	SB-834	SB-835	SB-835
SAMPLE ID	SB-508-0406-D	SB-508-0810	SB-509-0406	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09	E-SB-835-03	E-SB-835-05
SAMPLE DATE	20071128	20071128	20071129	20071129	20100916	20100916	20100916	20100917	20100917
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	5	7	9	3	5
BOTTOM DEPTH	6	10	6	10	5	7	9	3	5
VINYL CHLORIDE	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	780 U	790 U	760 U	760 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
2-NITROANILINE	780 U	790 U	760 U	760 U	NA	NA	NA	NA	NA
2-NITROPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
3-NITROANILINE	780 U	790 U	760 U	760 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
4-NITROANILINE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
4-NITROPHENOL	780 U	790 U	760 U	760 U	NA	NA	NA	NA	NA
ACETOPHENONE	78 U	80 U	77 U	76 U	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
CAPROLACTAM	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
CARBAZOLE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
DIBENZOFURAN	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
ISOPHORONE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
NITROBENZENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
PHENOL	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
ACENAPHTHENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
ANTHRACENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BENZO(A)PYRENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-508	SB-508	SB-509	SB-509	SB-834	SB-834	SB-834	SB-835	SB-835
SAMPLE ID	SB-508-0406-D	SB-508-0810	SB-509-0406	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09	E-SB-835-03	E-SB-835-05
SAMPLE DATE	20071128	20071128	20071129	20071129	20100916	20100916	20100916	20100917	20100917
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	5	7	9	3	5
BOTTOM DEPTH	6	10	6	10	5	7	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA

LOCATION	SB-508	SB-508	SB-509	SB-509	SB-834	SB-834	SB-834	SB-835	SB-835
SAMPLE ID	SB-508-0406-D	SB-508-0810	SB-509-0406	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09	E-SB-835-03	E-SB-835-05
SAMPLE DATE	20071128	20071128	20071129	20071129	20100916	20100916	20100916	20100917	20100917
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	5	7	9	3	5
BOTTOM DEPTH	6	10	6	10	5	7	9	3	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	81 U	NA	NA	NA
CHRYSENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
FLUORANTHENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
FLUORENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
NAPHTHALENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
PHENANTHRENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
PYRENE	390 U	400 U	380 U	380 U	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	40 U	38 U	38 U	28 U	25 U	27 U	23 U	25 U
AROCLOR-1221	39 U	40 U	38 U	38 U	22 U	19 U	21 U	18 U	19 U
AROCLOR-1232	39 U	40 U	38 U	38 U	19 U	17 U	18 U	16 U	17 U
AROCLOR-1242	39 U	40 U	38 U	38 U	17 U	16 U	17 U	15 U	16 U
AROCLOR-1248	39 U	40 U	38 U	38 U	23 U	20 U	22 U	19 U	21 U
AROCLOR-1254	39 U	40 U	38 U	38 U	23 U	20 U	22 U	19 U	21 U
AROCLOR-1260	39 U	40 U	38 U	38 U	280	23 J	24 J	19 U	310
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	280	23	24	0 U	310
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.079 B	0.084 B	0.059 L	0.12 L	NA	NA	NA	NA	NA
ARSENIC	1 L	0.42 L	1.7 J	2.5 J	NA	NA	NA	NA	NA
BARIUM	8.1	8.5	8.9 K	5.7 K	NA	NA	NA	NA	NA
BERYLLIUM	0.73	1.5	0.62	0.33	NA	NA	NA	NA	NA
CADMIUM	0.014 B	0.016 K	0.016 B	0.0087 B	NA	NA	NA	NA	NA
CHROMIUM	6.7 J	13.2 J	10 J	8.3 J	NA	NA	NA	NA	NA
COBALT	1.7	3.5	2.3	2.3	NA	NA	NA	NA	NA
COPPER	8.2 J	11.4 J	11.3 J	6.7 J	NA	NA	NA	NA	NA
IRON	11400	8540	10300	10200	NA	NA	NA	NA	NA
LEAD	2.8 J	3.3 J	2.5 J	1.4 J	NA	NA	NA	NA	NA
MANGANESE	132 J	18.8	27.1 L	25.9 L	NA	NA	NA	NA	NA
MERCURY	0.02 U	0.02 U	0.019 UL	0.019 UL	NA	NA	NA	NA	NA
MOLYBDENUM	0.092 B	0.079 UL	0.1 B	0.27 B	NA	NA	NA	NA	NA
NICKEL	5.6	10.3	5.4 J	3.9 J	NA	NA	NA	NA	NA
SELENIUM	0.38	0.21	0.3 L	0.18 UL	NA	NA	NA	NA	NA
SILVER	0.079	0.05	0.042	0.032	NA	NA	NA	NA	NA
THALLIUM	0.036 B	0.035 B	0.028 B	0.02 B	NA	NA	NA	NA	NA
VANADIUM	13.3 J	13.4 J	14.5 J	10.6 J	NA	NA	NA	NA	NA
ZINC	9.4 J	14.8	10.7 B	6 B	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	1700 B	2700 B	13000 B	5600 B	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	85.1	83.1	86.3	87.4	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-508	SB-508	SB-509	SB-509	SB-834	SB-834	SB-834	SB-835	SB-835
SAMPLE ID	SB-508-0406-D	SB-508-0810	SB-509-0406	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09	E-SB-835-03	E-SB-835-05
SAMPLE DATE	20071128	20071128	20071129	20071129	20100916	20100916	20100916	20100917	20100917
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	5	7	9	3	5
BOTTOM DEPTH	6	10	6	10	5	7	9	3	5
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-835	SB-835	SB-836	SB-836	SB-836	SB-836	SB-837	SB-837	SB-837
SAMPLE ID	E-SB-835-07	E-SB-835-09	E-SB-836-03	E-SB-836-05	E-SB-836-07	E-SB-836-09	E-SB-837-03	E-SB-837-05	E-SB-837-07
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-835	SB-835	SB-836	SB-836	SB-836	SB-836	SB-837	SB-837	SB-837
SAMPLE ID	E-SB-835-07	E-SB-835-09	E-SB-836-03	E-SB-836-05	E-SB-836-07	E-SB-836-09	E-SB-837-03	E-SB-837-05	E-SB-837-07
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-835	SB-835	SB-836	SB-836	SB-836	SB-836	SB-837	SB-837	SB-837
SAMPLE ID	E-SB-835-07	E-SB-835-09	E-SB-836-03	E-SB-836-05	E-SB-836-07	E-SB-836-09	E-SB-837-03	E-SB-837-05	E-SB-837-07
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C1-FLUORENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C2-FLUORENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C2-NAPHTHALENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA

LOCATION	SB-835	SB-835	SB-836	SB-836	SB-836	SB-836	SB-837	SB-837	SB-837
SAMPLE ID	E-SB-835-07	E-SB-835-09	E-SB-836-03	E-SB-836-05	E-SB-836-07	E-SB-836-09	E-SB-837-03	E-SB-837-05	E-SB-837-07
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C3-FLUORENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C3-NAPHTHALENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C4-NAPHTHALENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	81 U	NA	NA	NA	78 U	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	26 U	240 U	28 U	25 U	25 U	27 U	23 U	23 U	25 U
AROCLOR-1221	19 U	190 U	22 U	19 U	19 U	20 U	17 U	18 U	19 U
AROCLOR-1232	17 U	160 U	19 U	17 U	16 U	18 U	15 U	16 U	17 U
AROCLOR-1242	16 U	150 U	18 U	15 U	15 U	16 U	14 U	15 U	16 U
AROCLOR-1248	21 U	200 U	23 U	20 U	20 U	22 U	18 U	19 U	21 U
AROCLOR-1254	21 U	200 U	23 U	20 U	20 U	22 U	18 U	19 U	21 U
AROCLOR-1260	94	3500	23 U	22 J	20 U	22 U	18 U	19 U	21 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	94	3500	0 U	22	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-835	SB-835	SB-836	SB-836	SB-836	SB-836	SB-837	SB-837	SB-837
SAMPLE ID	E-SB-835-07	E-SB-835-09	E-SB-836-03	E-SB-836-05	E-SB-836-07	E-SB-836-09	E-SB-837-03	E-SB-837-05	E-SB-837-07
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-839
SAMPLE ID	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07	E-SB-839-09
SAMPLE DATE	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-839
SAMPLE ID	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07	E-SB-839-09
SAMPLE DATE	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-839
SAMPLE ID	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07	E-SB-839-09
SAMPLE DATE	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-839
SAMPLE ID	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07	E-SB-839-09
SAMPLE DATE	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	24 U	24 U	25 U	25 U	25 U	25 U	25 U	25 U
AROCLOR-1221	18 U	18 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U
AROCLOR-1232	16 U	16 U	16 U	17 U	17 U	17 U	16 U	17 U	17 U
AROCLOR-1242	15 U	15 U	15 U	16 U	15 U	15 U	15 U	16 U	15 U
AROCLOR-1248	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1254	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1260	59	20 U	20 U	20 U	20 U	20 U	20 U	20 U	27 J
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	59	0 U	0 U	0 U	0 U	0 U	0 U	0 U	27
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-839
SAMPLE ID	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07	E-SB-839-09
SAMPLE DATE	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841
SAMPLE ID	E-SB-840-03	E-SB-840-05	E-SB-840-05-AVG	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	5	5	7	9	3	5	7
BOTTOM DEPTH	3	5	5	5	7	9	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841
SAMPLE ID	E-SB-840-03	E-SB-840-05	E-SB-840-05-AVG	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	5	5	7	9	3	5	7
BOTTOM DEPTH	3	5	5	5	7	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841
SAMPLE ID	E-SB-840-03	E-SB-840-05	E-SB-840-05-AVG	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	5	5	7	9	3	5	7
BOTTOM DEPTH	3	5	5	5	7	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841
SAMPLE ID	E-SB-840-03	E-SB-840-05	E-SB-840-05-AVG	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	5	5	7	9	3	5	7
BOTTOM DEPTH	3	5	5	5	7	9	3	5	7
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	23 U	25 U	25 U	25 U	25 U	24 U	24 U	24 U	25 U
AROCLOR-1221	17 U	19 U	19 U	19 U	19 U	18 U	18 U	18 U	19 U
AROCLOR-1232	15 U	17 U	17 U	17 U	17 U	16 U	16 U	16 U	16 U
AROCLOR-1242	14 U	16 U	16 U	16 U	15 U	15 U	15 U	15 U	15 U
AROCLOR-1248	18 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U	20 U
AROCLOR-1254	18 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U	20 U
AROCLOR-1260	18 U	20 U	20 U	20 U	20 U	19 U	19 U	35 J	68
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	35	68
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841
SAMPLE ID	E-SB-840-03	E-SB-840-05	E-SB-840-05-AVG	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	5	5	7	9	3	5	7
BOTTOM DEPTH	3	5	5	5	7	9	3	5	7
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-09	E-SB-842-3	E-SB-842-5	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-09	E-SB-842-3	E-SB-842-5	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-09	E-SB-842-3	E-SB-842-5	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-09	E-SB-842-3	E-SB-842-5	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	24 U	25 U	25 U	25 U	24 U	25 U	24 U	24 U
AROCLOR-1221	19 U	18 U	19 U	19 U	19 U	18 U	19 U	19 U	18 U
AROCLOR-1232	16 U	16 U	16 U	16 U	16 U	16 U	17 U	16 U	16 U
AROCLOR-1242	15 U	15 U	15 U	15 U	15 U	15 U	16 U	15 U	15 U
AROCLOR-1248	20 U	19 U	20 U	20 U	20 U	19 U	20 U	20 U	19 U
AROCLOR-1254	20 U	19 U	20 U	20 U	20 U	19 U	20 U	20 U	19 U
AROCLOR-1260	140	19 U	20 U	20 U	20 U	19 U	20 U	20 U	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	140	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-09	E-SB-842-3	E-SB-842-5	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-844	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-844-03	E-SB-844-05	E-SB-844-07	E-SB-844-09	E-SB-845-03	E-SB-845-05	E-SB-845-07	E-SB-845-09	E-SB-846-03
SAMPLE DATE	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-844	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-844-03	E-SB-844-05	E-SB-844-07	E-SB-844-09	E-SB-845-03	E-SB-845-05	E-SB-845-07	E-SB-845-09	E-SB-846-03
SAMPLE DATE	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-844	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-844-03	E-SB-844-05	E-SB-844-07	E-SB-844-09	E-SB-845-03	E-SB-845-05	E-SB-845-07	E-SB-845-09	E-SB-846-03
SAMPLE DATE	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-844	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-844-03	E-SB-844-05	E-SB-844-07	E-SB-844-09	E-SB-845-03	E-SB-845-05	E-SB-845-07	E-SB-845-09	E-SB-846-03
SAMPLE DATE	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	28 U	27 U	26 U	130 U	24 U	23 U	25 U	120 U	25 U
AROCLOR-1221	21 U	20 U	20 U	100 U	18 U	17 U	19 U	88 U	19 U
AROCLOR-1232	19 U	18 U	17 U	87 U	16 U	15 U	17 U	77 U	16 U
AROCLOR-1242	17 U	17 U	16 U	81 U	15 U	14 U	15 U	72 U	15 U
AROCLOR-1248	23 U	22 U	21 U	110 U	19 U	18 U	20 U	94 U	20 U
AROCLOR-1254	23 U	22 U	21 U	110 U	44	18 U	20 U	94 U	20 U
AROCLOR-1260	23 U	120	21 U	400	19 U	18 U	20 U	350	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	120	0 U	400	44	0 U	0 U	350	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-844	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-844-03	E-SB-844-05	E-SB-844-07	E-SB-844-09	E-SB-845-03	E-SB-845-05	E-SB-845-07	E-SB-845-09	E-SB-846-03
SAMPLE DATE	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-846	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-05	E-SB-846-07	E-SB-846-09	E-SB-847-03	E-SB-847-05	E-SB-847-07	E-SB-847-09
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9
BOTTOM DEPTH	5	7	9	3	5	7	9
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-846	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-05	E-SB-846-07	E-SB-846-09	E-SB-847-03	E-SB-847-05	E-SB-847-07	E-SB-847-09
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9
BOTTOM DEPTH	5	7	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-846	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-05	E-SB-846-07	E-SB-846-09	E-SB-847-03	E-SB-847-05	E-SB-847-07	E-SB-847-09
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9
BOTTOM DEPTH	5	7	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-846	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-05	E-SB-846-07	E-SB-846-09	E-SB-847-03	E-SB-847-05	E-SB-847-07	E-SB-847-09
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9
BOTTOM DEPTH	5	7	9	3	5	7	9
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	22 U	24 U	26 U	25 U	25 U	25 U	25 U
AROCLOR-1221	17 U	18 U	20 U	19 U	19 U	19 U	19 U
AROCLOR-1232	15 U	16 U	17 U	17 U	17 U	17 U	17 U
AROCLOR-1242	14 U	15 U	16 U	15 U	16 U	16 U	16 U
AROCLOR-1248	18 U	20 U	21 U	20 U	20 U	20 U	20 U
AROCLOR-1254	18 U	20 U	21 U	20 U	20 U	20 U	20 U
AROCLOR-1260	18 U	20 U	21 U	60	20 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	60	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-846	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-05	E-SB-846-07	E-SB-846-09	E-SB-847-03	E-SB-847-05	E-SB-847-07	E-SB-847-09
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9
BOTTOM DEPTH	5	7	9	3	5	7	9
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-005	SB-006	SB-006	SB-009	SB-510	SB-510
SAMPLE ID	SB-5-05	SB-5-10	SB-6-05	SB-6-10	SB-9-05	SB-510-0406	SB-510-0810
SAMPLE DATE	20031120	20031120	20031120	20031120	20031118	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	4	8
BOTTOM DEPTH	5	10	5	10	5	6	10
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,1,1-TRICHLOROETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,1,2,2-TETRACHLOROETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,1,2-TRICHLOROETHANE	6 U	7 U	7 U	7 U	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	5.8 U	5.8 U
1,1-DICHLOROETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,1-DICHLOROETHENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,1-DICHLOROPROPENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,2,3-TRICHLOROBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,2,3-TRICHLOROPROPANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	5.8 U	5.8 U
1,2,4-TRICHLOROBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,2,4-TRIMETHYLBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,2-DIBROMO-3-CHLOROPROPANE	6 U	7 U	7 U	7 U	NA	12 U	12 U
1,2-DIBROMOETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,2-DICHLOROBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,2-DICHLOROETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,2-DICHLOROPROPANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,3,5-TRIMETHYLBENZENE	6 U	7 U	7 U	7 U	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,3-DICHLOROPROPANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
2-BUTANONE	64 U	68 U	65 U	66 U	NA	12 U	12 U
2-CHLOROETHYL VINYL ETHER	6 U	7 U	7 U	7 U	NA	12 U	12 U
2-CHLOROTOLUENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
2-HEXANONE	64 U	68 U	65 U	66 U	NA	12 U	12 U
4-CHLOROTOLUENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
4-ISOPROPYLTOLUENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
4-METHYL-2-PENTANONE	64 U	68 U	65 U	66 U	NA	12 U	12 U
ACETONE	64 UJ	7 J	7 J	66 UJ	NA	12 U	8.9 J
BENZENE	6 U	7 U	7 U	7 U	1 U	5.8 U	5.8 U
BROMOBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
BROMOCHLOROMETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
BROMODICHLOROMETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
BROMOFORM	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
BROMOMETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CARBON DISULFIDE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CARBON TETRACHLORIDE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CHLOROBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CHLORODIBROMOMETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CHLOROETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CHLOROFORM	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CHLOROMETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CIS-1,2-DICHLOROETHENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
CIS-1,3-DICHLOROPROPENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
DIBROMOMETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
DICHLORODIFLUOROMETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	12 U	12 U
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	5.8 U	5.8 U
ETHYLBENZENE	6 U	7 U	7 U	7 U	1 U	5.8 U	5.8 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
ISOPROPYLBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
M+P-XYLENES	19 U	20 U	19 U	20 U	NA	12 U	12 U
METHYL TERT-BUTYL ETHER	6 U	7 U	7 U	7 U	NA	12 U	12 U
METHYLENE CHLORIDE	10 J	10 J	9 J	10 J	NA	5.2 B	4.5 B
NAPHTHALENE	6 U	7 U	7 U	7 U	1 U	5.8 U	5.8 U
N-BUTYLBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
N-PROPYLBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
O-XYLENE	19 U	20 U	19 U	20 U	NA	5.8 U	5.8 U
SEC-BUTYLBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
STYRENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	5.8 U	5.8 U
TERT-BUTYLBENZENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	120 UR	120 UR
TETRACHLOROETHENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
TOLUENE	6 U	7 U	7 U	7 U	2	5.8 U	5.8 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	10	12 U	12 U
TRANS-1,2-DICHLOROETHENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
TRANS-1,3-DICHLOROPROPENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
TRICHLOROETHENE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
TRICHLOROFLUOROMETHANE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
VINYL ACETATE	6 U	7 U	7 U	7 U	NA	12 U	12 U

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-005	SB-006	SB-006	SB-009	SB-510	SB-510
SAMPLE ID	SB-5-05	SB-5-10	SB-6-05	SB-6-10	SB-9-05	SB-510-0406	SB-510-0810
SAMPLE DATE	20031120	20031120	20031120	20031120	20031118	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	4	8
BOTTOM DEPTH	5	10	5	10	5	6	10
VINYL CHLORIDE	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2,4,5-TRICHLOROPHENOL	1100 U	1100 U	1100 U	1100 U	NA	380 UL	380 U
2,4,6-TRICHLOROPHENOL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2,4-DICHLOROPHENOL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2,4-DIMETHYLPHENOL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2,4-DINITROPHENOL	1100 U	1100 U	1100 U	1100 U	NA	760 UL	760 U
2,4-DINITROTOLUENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2,6-DINITROTOLUENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2-CHLORONAPHTHALENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2-CHLOROPHENOL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2-METHYLPHENOL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
2-NITROANILINE	1100 U	1100 U	1100 U	1100 U	NA	760 UL	760 U
2-NITROPHENOL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
3&4-METHYLPHENOL	420 U	450 U	430 U	440 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
3-NITROANILINE	1100 U	1100 U	1100 U	1100 U	NA	760 UL	760 U
4,6-DINITRO-2-METHYLPHENOL	980 U	1000 U	1000 U	1000 U	NA	380 UL	380 U
4-BROMOPHENYL PHENYL ETHER	420 U	450 U	430 U	440 U	NA	380 UL	380 U
4-CHLORO-3-METHYLPHENOL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
4-CHLOROANILINE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
4-CHLOROPHENYL PHENYL ETHER	420 U	450 U	430 U	440 U	NA	380 UL	380 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	380 UL	380 U
4-NITROANILINE	1100 U	1100 U	1100 U	1100 U	NA	380 UL	380 U
4-NITROPHENOL	1100 U	1100 U	1100 U	1100 U	NA	760 UL	760 U
ACETOPHENONE	420 U	450 U	430 U	440 U	NA	77 UL	77 U
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	380 UL	380 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
BIS(2-CHLOROETHYL)ETHER	420 U	450 U	430 U	440 U	NA	380 UL	380 U
BIS(2-ETHYLHEXYL)PHTHALATE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
BUTYL BENZYL PHTHALATE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
CAPROLACTAM	420 U	450 U	430 U	440 U	NA	380 UL	380 U
CARBAZOLE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
DIBENZOFURAN	420 U	450 U	430 U	440 U	NA	380 UL	380 U
DIETHYL PHTHALATE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
DIMETHYL PHTHALATE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
DI-N-BUTYL PHTHALATE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
DI-N-OCTYL PHTHALATE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
HEXACHLOROBENZENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
HEXACHLOROBUTADIENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
HEXACHLOROCYCLOPENTADIENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
HEXACHLOROETHANE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
ISOPHORONE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
NITROBENZENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	380 UL	380 U
N-NITROSO-DI-N-PROPYLAMINE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
N-NITROSODIPHENYLAMINE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
PENTACHLOROPHENOL	1100 U	1100 U	1100 U	1100 U	NA	380 UL	380 U
PHENOL	420 U	450 U	430 U	440 U	NA	380 UL	380 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
ACENAPHTHENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
ACENAPHTHYLENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
ANTHRACENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
BAP EQUIVALENT-HALFND	420 U	450 U	430 U	440 U	NA	380 U	236
BAP EQUIVALENT-POS	420 U	450 U	430 U	440 U	NA	380 U	46
BENZO(A)ANTHRACENE	420 U	450 U	430 U	440 U	NA	380 UL	34 J
BENZO(A)PYRENE	420 U	450 U	430 U	440 U	NA	380 UL	34 J
BENZO(B)FLUORANTHENE	420 U	450 U	430 U	440 U	NA	380 UL	64 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	420 U	450 U	430 U	440 U	NA	380 UL	27 J
BENZO(K)FLUORANTHENE	420 U	450 U	430 U	440 U	NA	380 UL	18 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

Table A-9
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Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-005	SB-006	SB-006	SB-009	SB-510	SB-510
SAMPLE ID	SB-5-05	SB-5-10	SB-6-05	SB-6-10	SB-9-05	SB-510-0406	SB-510-0810
SAMPLE DATE	20031120	20031120	20031120	20031120	20031118	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	4	8
BOTTOM DEPTH	5	10	5	10	5	6	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

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Middle River, Maryland

LOCATION	SB-005	SB-005	SB-006	SB-006	SB-009	SB-510	SB-510
SAMPLE ID	SB-5-05	SB-5-10	SB-6-05	SB-6-10	SB-9-05	SB-510-0406	SB-510-0810
SAMPLE DATE	20031120	20031120	20031120	20031120	20031118	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	4	8
BOTTOM DEPTH	5	10	5	10	5	6	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	420 U	450 U	430 U	440 U	NA	380 UL	42 J
DIBENZO(A,H)ANTHRACENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
FLUORANTHENE	420 U	450 U	430 U	440 U	NA	380 UL	78 J
FLUORENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
INDENO(1,2,3-CD)PYRENE	420 U	450 U	430 U	440 U	NA	380 UL	24 J
NAPHTHALENE	420 U	450 U	430 U	440 U	NA	380 UL	380 U
PHENANTHRENE	420 U	450 U	430 U	440 U	NA	380 UL	25 J
PYRENE	420 U	450 U	430 U	440 U	NA	380 UL	59 J
TOTAL PAHS	0 U	0 U	0 U	0 U	NA	0 U	405
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	64 U	68 U	65 U	66 U	NA	38 U	38 U
AROCLOR-1221	64 U	68 U	65 U	66 U	NA	38 U	38 U
AROCLOR-1232	64 U	68 U	65 U	66 U	NA	38 U	38 U
AROCLOR-1242	64 U	68 U	65 U	66 U	NA	38 U	38 U
AROCLOR-1248	64 U	68 U	65 U	66 U	NA	38 U	38 U
AROCLOR-1254	64 U	68 U	65 U	66 U	NA	38 U	38 U
AROCLOR-1260	64 U	68 U	65 U	66 U	NA	38 U	16 J
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	NA	0 U	16
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	3.2 UL	3.4 UL	3.2 UL	3.3 UL	NA	0.13 L	0.17 L
ARSENIC	1.4 L	1.1 L	0.77 L	2 L	NA	0.26 J	0.36 J
BARIUM	NA	NA	NA	NA	NA	7.1 K	7.8 K
BERYLLIUM	3.2 U	3.4 U	3.2 U	3.3 U	NA	0.42	0.66
CADMIUM	3.2 U	3.4 U	3.2 U	3.3 U	NA	0.018 B	0.03 K
CHROMIUM	4.8 B	3.8 B	9.5 B	22 J	NA	8.5 J	11.7 J
COBALT	NA	NA	NA	NA	NA	1.2	1.9
COPPER	3.6	3.4 U	5.4	14	NA	5.5 J	6.7 J
IRON	NA	NA	NA	NA	NA	15200	20900
LEAD	3.2 U	3.4 U	4.8	7.1	NA	1.9 J	1.7 J
MANGANESE	NA	NA	NA	NA	NA	27.1 L	73.6 J
MERCURY	0.13 U	0.14 U	0.12 U	0.13 U	NA	0.019 UL	0.019 UL
MOLYBDENUM	NA	NA	NA	NA	NA	0.076 UL	0.16 B
NICKEL	4.5	4.6	4.8	21	NA	4 J	6.5 J
SELENIUM	3.2 U	3.4 U	3.6	3.3 U	NA	0.75 L	0.18 UL
SILVER	3.2 UR	3.4 UR	3.2 UR	3.3 UR	NA	0.061 K	0.069 K
THALLIUM	2.5 U	2.7 U	2.6 U	2.7 U	NA	0.024 B	0.025 B
VANADIUM	NA	NA	NA	NA	NA	13 J	15.8 J
ZINC	32 U	34 U	32 U	33 U	NA	5.9 B	9.8 B
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	25000 U	27000 U	26000 U	27000 U	26000 U	NA	NA
GASOLINE RANGE ORGANICS	130 U	140 U	130 U	130 U	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	4700 B	10000 B
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	78	74	77	75	77	86.9	86.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA

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Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-005	SB-005	SB-006	SB-006	SB-009	SB-510	SB-510
SAMPLE ID	SB-5-05	SB-5-10	SB-6-05	SB-6-10	SB-9-05	SB-510-0406	SB-510-0810
SAMPLE DATE	20031120	20031120	20031120	20031120	20031118	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	4	8
BOTTOM DEPTH	5	10	5	10	5	6	10
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Table A-9
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Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-510	SB-511	SB-511	SB-512	SB-512	SB-512	SB-512	SB-513
SAMPLE ID	SB-510-0810-AVG	SB-510-0810-D	SB-511-0406	SB-511-0810	SB-512-0406	SB-512-0810	SB-512-0810-AVG	SB-512-0810-D	SB-513-0406
SAMPLE DATE	20071128	20071128	20071129	20071129	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	8	4	8	8	8	4
BOTTOM DEPTH	10	10	6	10	6	10	10	10	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,1,1-TRICHLOROETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,1,2,2-TETRACHLOROETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,1-DICHLOROETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,1-DICHLOROETHENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,1-DICHLOROPROPENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2,3-TRICHLOROBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2,3-TRICHLOROPROPANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2,3-TRIMETHYLBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2,4-TRICHLOROBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2,4-TRIMETHYLBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2-DIBROMO-3-CHLOROPROPANE	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	12 U
1,2-DIBROMOETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2-DICHLOROBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2-DICHLOROETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,2-DICHLOROPROPANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,3-DICHLOROPROPANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
2-BUTANONE	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	2.7 J
2-CHLOROETHYL VINYL ETHER	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	12 U
2-CHLOROTOLUENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
2-HEXANONE	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	12 U
4-CHLOROTOLUENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
4-ISOPROPYLTOLUENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
4-METHYL-2-PENTANONE	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	12 U
ACETONE	8.9 J	12 U	12 J	19 J	11 U	20 J	16	12 J	69 J
BENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
BROMOBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
BROMOCHLOROMETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
BROMODICHLOROMETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
BROMOFORM	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
BROMOMETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CARBON DISULFIDE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CARBON TETRACHLORIDE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CHLOROBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CHLORODIBROMOMETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CHLOROETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CHLOROFORM	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CHLOROMETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CIS-1,2-DICHLOROETHENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
CIS-1,3-DICHLOROPROPENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
DIBROMOMETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
DICHLORODIFLUOROMETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
DIISOPROPYL ETHER	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	12 U
ETHYL TERT-BUTYL ETHER	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
ETHYLBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
ISOPROPYLBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
M+P-XYLENES	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	12 U
METHYL TERT-BUTYL ETHER	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	12 U
METHYLENE CHLORIDE	4.5 U	4.5 B	5.6 B	5.7 B	6.2 B	4.8 B	4.75 U	4.7 B	4.4 B
NAPHTHALENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	110 J	80.5	51 J	5.9 U
N-BUTYLBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
N-PROPYLBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
O-XYLENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
SEC-BUTYLBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
STYRENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
TERT-AMYL METHYL ETHER	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
TERT-BUTYLBENZENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
TERTIARY-BUTYL ALCOHOL	120 R	120 UR	120 UR	130 UR	110 UR	130 UR	130 R	130 UR	120 UR
TETRACHLOROETHENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
TOLUENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	12 U	12 U	12 U	13 U	11 U	13 U	13 U	13 U	12 U
TRANS-1,2-DICHLOROETHENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
TRANS-1,3-DICHLOROPROPENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
TRICHLOROETHENE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
TRICHLOROFLUOROMETHANE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
VINYL ACETATE	12 U	12 U	12 U	13 U	11 U	13 UJ	13 U	13 U	12 UJ

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-510	SB-511	SB-511	SB-512	SB-512	SB-512	SB-512	SB-513
SAMPLE ID	SB-510-0810-AVG	SB-510-0810-D	SB-511-0406	SB-511-0810	SB-512-0406	SB-512-0810	SB-512-0810-AVG	SB-512-0810-D	SB-513-0406
SAMPLE DATE	20071128	20071128	20071129	20071129	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	8	4	8	8	8	4
BOTTOM DEPTH	10	10	6	10	6	10	10	10	6
VINYL CHLORIDE	5.8 U	5.8 U	5.9 U	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2,4,5-TRICHLOROPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2,4,6-TRICHLOROPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2,4-DICHLOROPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2,4-DIMETHYLPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2,4-DINITROPHENOL	765 U	770 U	770 U	830 U	750 U	830 U	830 U	830 U	770 U
2,4-DINITROTOLUENE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2,6-DINITROTOLUENE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2-CHLORONAPHTHALENE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2-CHLOROPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2-METHYLPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
2-NITROANILINE	765 U	770 U	770 U	830 U	750 U	830 U	830 U	830 U	770 U
2-NITROPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
3-NITROANILINE	765 U	770 U	770 U	830 U	750 U	830 U	830 U	830 U	770 U
4,6-DINITRO-2-METHYLPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
4-BROMOPHENYL PHENYL ETHER	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
4-CHLORO-3-METHYLPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
4-CHLOROANILINE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
4-CHLOROPHENYL PHENYL ETHER	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
4-METHYLPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
4-NITROANILINE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
4-NITROPHENOL	765 U	770 U	770 U	830 U	750 U	830 U	830 U	830 U	770 U
ACETOPHENONE	77.5 U	78 U	78 U	83 U	76 U	84 U	84 U	84 U	78 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
BIS(2-CHLOROETHYL)ETHER	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
BIS(2-ETHYLHEXYL)PHTHALATE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
BUTYL BENZYL PHTHALATE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
CAPROLACTAM	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
CARBAZOLE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
DIBENZOFURAN	385 U	390 U	390 U	410 U	380 U	410 U	91 J	91 J	390 U
DIETHYL PHTHALATE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
DIMETHYL PHTHALATE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
DI-N-BUTYL PHTHALATE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
DI-N-OCTYL PHTHALATE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
HEXACHLOROBENZENE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
HEXACHLOROBUTADIENE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
HEXACHLOROCYCLOPENTADIENE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
HEXACHLOROETHANE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
ISOPHORONE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
NITROBENZENE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
N-NITROSODIMETHYLAMINE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
N-NITROSO-DI-N-PROPYLAMINE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
N-NITROSODIPHENYLAMINE	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
PENTACHLOROPHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
PHENOL	385 U	390 U	390 U	410 U	380 U	410 U	415 U	420 U	390 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	385 U	390 U	390 U	410 U	380 U	410 U	63 J	63 J	390 U
ACENAPHTHENE	385 U	390 U	390 U	410 U	380 U	410 U	35 J	35 J	390 U
ACENAPHTHYLENE	385 U	390 U	390 U	410 U	380 U	410 U	18 J	18 J	390 U
ANTHRACENE	385 U	390 U	390 U	410 U	380 U	410 U	58 J	58 J	390 U
BAP EQUIVALENT-HALFND	230	224	413	410 U	380 U	303	379	456	432
BAP EQUIVALENT-POS	38	29	1.9	410 U	380 U	96	276	456	1
BENZO(A)ANTHRACENE	28.5	23 J	8.8 J	410 U	380 U	63 J	171.5	280 J	390 U
BENZO(A)PYRENE	27.5	21 J	390 U	410 U	380 U	75 J	192.5	310 J	390 U
BENZO(B)FLUORANTHENE	50.5	37 J	9.8 J	410 U	380 U	98 J	234	370 J	10 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	22	17 J	390 U	410 U	380 U	68 J	159	250 J	390 U
BENZO(K)FLUORANTHENE	16	14 J	390 U	410 U	380 U	410 U	150 J	150 J	390 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-510	SB-511	SB-511	SB-512	SB-512	SB-512	SB-512	SB-513
SAMPLE ID	SB-510-0810-AVG	SB-510-0810-D	SB-511-0406	SB-511-0810	SB-512-0406	SB-512-0810	SB-512-0810-AVG	SB-512-0810-D	SB-513-0406
SAMPLE DATE	20071128	20071128	20071129	20071129	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	8	4	8	8	8	4
BOTTOM DEPTH	10	10	6	10	6	10	10	10	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-510	SB-511	SB-511	SB-512	SB-512	SB-512	SB-512	SB-513
SAMPLE ID	SB-510-0810-AVG	SB-510-0810-D	SB-511-0406	SB-511-0810	SB-512-0406	SB-512-0810	SB-512-0810-AVG	SB-512-0810-D	SB-513-0406
SAMPLE DATE	20071128	20071128	20071129	20071129	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	8	4	8	8	8	4
BOTTOM DEPTH	10	10	6	10	6	10	10	10	6
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	32.5	23 J	8.7 J	410 U	380 U	79 J	219.5	360 J	390 U
DIBENZO(A,H)ANTHRACENE	385 U	390 U	390 U	410 U	380 U	410 U	61 J	61 J	390 U
FLUORANTHENE	62	46 J	12 J	9.2 J	380 U	120 J	360	600 J	390 U
FLUORENE	385 U	390 U	390 U	410 U	380 U	410 U	17 J	17 J	390 U
INDENO(1,2,3-CD)PYRENE	20	16 J	390 U	410 U	380 U	48 J	114	180 J	390 U
NAPHTHALENE	385 U	390 U	390 U	410 U	380 U	410 U	65 J	65 J	390 U
PHENANTHRENE	20	15 J	390 U	410 U	380 U	90 J	320	550 J	390 U
PYRENE	46.5	34 J	9.2 J	410 U	380 U	140 J	425	710 J	390 U
TOTAL PAHS	325.5	246	48.5	9.2	0 U	781	2429	4077	10
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	38.5 U	39 U	39 U	41 U	38 U	41 U	41.5 U	42 U	39 U
AROCLOR-1221	38.5 U	39 U	39 U	41 U	38 U	41 U	41.5 U	42 U	39 U
AROCLOR-1232	38.5 U	39 U	39 U	41 U	38 U	41 U	41.5 U	42 U	39 U
AROCLOR-1242	38.5 U	39 U	39 U	41 U	38 U	41 U	41.5 U	42 U	39 U
AROCLOR-1248	38.5 U	39 U	39 U	41 U	38 U	41 U	41.5 U	42 U	39 U
AROCLOR-1254	38.5 U	39 U	39 U	41 U	38 U	41 U	41.5 U	42 U	39 U
AROCLOR-1260	16 J	39 U	16 J	41 U	38 U	18 J	35.5	53 J	39 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	8	0 U	16	0 U	0 U	18	35.5	53	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.155	0.14 L	0.0056 UL	0.006 UL	0.15 L	0.083 L	0.1115	0.14 L	0.056 L
ARSENIC	0.31	0.26 J	0.58 J	0.35 J	0.59 J	0.76 J	1.08	1.4 L	2.3 J
BARIUM	6.9	6 K	7.7 K	6.4 K	12.5 K	17.9 J	25.2	32.5 J	8.9 K
BERYLLIUM	0.62	0.58	0.31	0.42	0.96	0.77	0.735	0.7	0.3
CADMIUM	0.01925	0.017 B	0.0075 B	0.011 B	0.019 K	0.55	0.3085	0.067 K	0.009 B
CHROMIUM	10.9	10.1 J	1.5 J	4 J	8.5 J	8.9 J	9	9.1 J	7.8 J
COBALT	1.95	2	0.82	1	3	2.2	2.15	2.1 J	4
COPPER	6.75	6.8 J	4.1 J	4.7 J	10.3 J	11.3 J	10.25	9.2 L	3.5 J
IRON	19350	17800	1290	3240	15200	9820	9510	9200	8600
LEAD	1.5	1.3 J	3.2 J	2.2 J	3.6 J	8.6 J	8.15	7.7 L	3.2 J
MANGANESE	48.3	23 J	2.2 L	4.8 L	33.5 L	68.2 L	107.1	146 J	47 L
MERCURY	0.019 U	0.019 UL	0.02 UL	0.021 UL	0.019 UL	0.021 UL	0.021 U	0.021 UL	0.02 UL
MOLYBDENUM	0.135 U	0.11 B	0.077 UL	0.083 UL	0.08 B	0.28 B	0.295 U	0.31 B	0.094 B
NICKEL	7.2	7.9 J	1.8 J	2.6 J	11.5 J	8 J	7.4	6.8 L	2.8 J
SELENIUM	0.185 U	0.19 UL	0.2 L	0.2 UL	0.53 L	0.54 L	0.435	0.33 L	0.19 UL
SILVER	0.067	0.065	0.035	0.03	0.066	0.057	0.0635	0.07	0.03
THALLIUM	0.023 U	0.021 B	0.045 B	0.028 B	0.053 B	0.033 B	0.028 K	0.028 K	0.035 B
VANADIUM	16.35	16.9 J	2.2 J	7.5 J	12.6 J	12.4 J	13.6	14.8 J	12.3 J
ZINC	8.05	11.2	5.2 B	7 B	12	13.5	14.6	15.7	9.3 B
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	8200 U	6400 B	1600 B	7200 B	6100 B	21000 B	16750	23000	8400 B
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	86.15	85.7	85.3	79.9	87.7	79.7	79.55	79.4	85.2
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-510	SB-510	SB-511	SB-511	SB-512	SB-512	SB-512	SB-512	SB-513
SAMPLE ID	SB-510-0810-AVG	SB-510-0810-D	SB-511-0406	SB-511-0810	SB-512-0406	SB-512-0810	SB-512-0810-AVG	SB-512-0810-D	SB-513-0406
SAMPLE DATE	20071128	20071128	20071129	20071129	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	8	4	8	8	8	4
BOTTOM DEPTH	10	10	6	10	6	10	10	10	6
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-513	SB-514	SB-514	SB-514	SB-514	SB-515	SB-515	SB-517	SB-517
SAMPLE ID	SB-513-0810	SB-514-0406	SB-514-0810	SB-514-0810-AVG	SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0810
SAMPLE DATE	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	8	8	4	8	4	8
BOTTOM DEPTH	10	6	10	10	10	6	10	6	10
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,1,1-TRICHLOROETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,1,2,2-TETRACHLOROETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,1-DICHLOROETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	0.69 J	0.69 J	6.1 U	6.1 U
1,1-DICHLOROETHENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,1-DICHLOROPROPENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2,3-TRICHLOROBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2,3-TRICHLOROPROPANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2,3-TRIMETHYLBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2,4-TRICHLOROBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2,4-TRIMETHYLBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2-DIBROMO-3-CHLOROPROPANE	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,2-DIBROMOETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2-DICHLOROBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2-DICHLOROETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,2-DICHLOROPROPANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,3-DICHLOROPROPANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
2-BUTANONE	12 U	9.3 J	12 U	12 U	12 U	12 U	12 U	12 U	12 U
2-CHLOROETHYL VINYL ETHER	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
2-CHLOROTOLUENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
2-HEXANONE	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
4-CHLOROTOLUENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
4-ISOPROPYLTOLUENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
4-METHYL-2-PENTANONE	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
ACETONE	26 J	130 J	38 J	43.5	49 J	16 J	12 U	12 U	8.4 J
BENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
BROMOBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
BROMOCHLOROMETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
BROMODICHLOROMETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
BROMOFORM	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
BROMOMETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
CARBON DISULFIDE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
CARBON TETRACHLORIDE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
CHLOROBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
CHLORODIBROMOMETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
CHLOROETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
CHLOROFORM	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
CHLOROMETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
CIS-1,2-DICHLOROETHENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	9.7	6 J	6.1 U	6.1 U
CIS-1,3-DICHLOROPROPENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
DIBROMOMETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
DICHLORODIFLUOROMETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
DIISOPROPYL ETHER	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
ETHYL TERT-BUTYL ETHER	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
ETHYLBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
ISOPROPYLBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
M+P-XYLENES	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
METHYL TERT-BUTYL ETHER	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	5.5 B	5.9 B	5.8 B	4.5 U	3.2 B	5.5 B	4.9 B	4.4 B	3.7 B
NAPHTHALENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
N-BUTYLBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
N-PROPYLBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
O-XYLENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
SEC-BUTYLBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
STYRENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
TERT-AMYL METHYL ETHER	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
TERT-BUTYLBENZENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
TERTIARY-BUTYL ALCOHOL	120 UR	120 UR	120 UR	120 R	120 UR	120 UR	120 UR	120 UR	120 UR
TETRACHLOROETHENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
TOLUENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
TRANS-1,2-DICHLOROETHENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
TRANS-1,3-DICHLOROPROPENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
TRICHLOROETHENE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
TRICHLOROFLUOROMETHANE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U
VINYL ACETATE	12 UJ	12 UJ	12 UJ	12 U	12 U	12 UJ	12 U	12 U	12 U

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-513	SB-514	SB-514	SB-514	SB-514	SB-515	SB-515	SB-517	SB-517
SAMPLE ID	SB-513-0810	SB-514-0406	SB-514-0810	SB-514-0810-AVG	SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0810
SAMPLE DATE	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	8	8	4	8	4	8
BOTTOM DEPTH	10	6	10	10	10	6	10	6	10
VINYL CHLORIDE	5.8 U	6 U	5.9 U	5.9 U	5.9 U	3.5 J	0.48 J	6.1 U	6.1 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2,4,5-TRICHLOROPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2,4,6-TRICHLOROPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2,4-DICHLOROPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2,4-DIMETHYLPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2,4-DINITROPHENOL	770 U	800 U	780 U	780 U	780 U	800 U	820 U	800 U	800 U
2,4-DINITROTOLUENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2,6-DINITROTOLUENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2-CHLORONAPHTHALENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2-CHLOROPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2-METHYLPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
2-NITROANILINE	770 U	800 U	780 U	780 U	780 U	800 U	820 U	800 U	800 U
2-NITROPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
3-NITROANILINE	770 U	800 U	780 U	780 U	780 U	800 U	820 U	800 U	800 U
4,6-DINITRO-2-METHYLPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
4-BROMOPHENYL PHENYL ETHER	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
4-CHLORO-3-METHYLPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
4-CHLOROANILINE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
4-CHLOROPHENYL PHENYL ETHER	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
4-METHYLPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
4-NITROANILINE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
4-NITROPHENOL	770 U	800 U	780 U	780 U	780 U	800 U	820 U	800 U	800 U
ACETOPHENONE	78 U	81 U	79 U	79 U	79 U	81 U	82 U	81 U	81 U
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
BIS(2-CHLOROETHYL)ETHER	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	390 U	400 U	28 J	26	24 J	400 U	410 U	400 U	30 J
BUTYL BENZYL PHTHALATE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
CAPROLACTAM	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
CARBAZOLE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
DIBENZOFURAN	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
DIETHYL PHTHALATE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
DIMETHYL PHTHALATE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
DI-N-BUTYL PHTHALATE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
DI-N-OCTYL PHTHALATE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
HEXACHLOROBENZENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
HEXACHLOROBUTADIENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
HEXACHLOROCYCLOPENTADIENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
HEXACHLOROETHANE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
ISOPHORONE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
NITROBENZENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
N-NITROSODIMETHYLAMINE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
N-NITROSO-DI-N-PROPYLAMINE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
N-NITROSODIPHENYLAMINE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
PENTACHLOROPHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
PHENOL	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
ACENAPHTHENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
ACENAPHTHYLENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
ANTHRACENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
BAP EQUIVALENT-HALFND	390 U	400 U	390 U	390 U	390 U	400 U	455	400 U	240
BAP EQUIVALENT-POS	390 U	400 U	390 U	390 U	390 U	400 U	1.4	400 U	40
BENZO(A)ANTHRACENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	29 J
BENZO(A)PYRENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	30 J
BENZO(B)FLUORANTHENE	390 U	400 U	390 U	390 U	390 U	400 U	14 J	400 U	48 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	21 J
BENZO(K)FLUORANTHENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	16 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-513	SB-514	SB-514	SB-514	SB-514	SB-515	SB-515	SB-517	SB-517
SAMPLE ID	SB-513-0810	SB-514-0406	SB-514-0810	SB-514-0810-AVG	SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0810
SAMPLE DATE	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	8	8	4	8	4	8
BOTTOM DEPTH	10	6	10	10	10	6	10	6	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-513	SB-514	SB-514	SB-514	SB-514	SB-515	SB-515	SB-517	SB-517
SAMPLE ID	SB-513-0810	SB-514-0406	SB-514-0810	SB-514-0810-AVG	SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0810
SAMPLE DATE	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	8	8	4	8	4	8
BOTTOM DEPTH	10	6	10	10	10	6	10	6	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	32 J
DIBENZO(A,H)ANTHRACENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
FLUORANTHENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	57 J
FLUORENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
INDENO(1,2,3-CD)PYRENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	17 J
NAPHTHALENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	400 U
PHENANTHRENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	25 J
PYRENE	390 U	400 U	390 U	390 U	390 U	400 U	410 U	400 U	48 J
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	14	0 U	323
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	40 U	39 U	39 U	39 U	40 U	41 U	40 U	40 U
AROCLOR-1221	39 U	40 U	39 U	39 U	39 U	40 U	41 U	40 U	40 U
AROCLOR-1232	39 U	40 U	39 U	39 U	39 U	40 U	41 U	40 U	40 U
AROCLOR-1242	39 U	40 U	39 U	39 U	39 U	40 U	41 U	40 U	40 U
AROCLOR-1248	39 U	40 U	39 U	39 U	39 U	40 U	41 U	40 U	40 U
AROCLOR-1254	39 U	40 U	39 U	39 U	39 U	40 U	41 U	40 U	40 U
AROCLOR-1260	39 U	40 U	39 U	39 U	39 U	40 U	19 J	40 U	190
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	19	0 U	190
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.0056 UL	0.092 L	0.22 L	0.2	0.18 J	0.17 J	0.11 B	0.26 J	0.2 L
ARSENIC	0.46 J	0.39 J	1.3 J	0.86	0.42 L	0.62 L	0.22 L	0.55 L	0.75 L
BARIUM	1.9 K	12.4 K	11.6 K	11.45	11.3	7.8	10.4	8.2	12.9
BERYLLIUM	0.076	2.7	3.7	3	2.3	3.3	4.4	2.4	1.5
CADMIUM	0.0037 B	0.029 K	0.024 K	0.057	0.09 K	0.012 B	0.02 K	0.019 K	0.12 K
CHROMIUM	2.3 J	11.7 J	11.1 J	10.9	10.7 J	9.1 J	10.6 J	7.7 J	11.3 J
COBALT	0.98	9.1	8.8	7.65	6.5 J	4.3 J	6.2 J	4.9 J	4.6 J
COPPER	1 J	16.1 J	11.7 J	11.05	10.4 L	28.7 L	11.2 L	14.7 L	15.2 L
IRON	2310	40100	51200	42200	33200	28700	22600	28700	18400
LEAD	0.71 J	3.5 J	5.6 J	4.6	3.6 L	2.8 L	3.2 L	3.5 L	7.9 L
MANGANESE	8.8 L	280 L	225 L	205.5	186 L	106 L	277 L	93.3 L	53 L
MERCURY	0.019 UL	0.02 UL	0.02 UL	0.02 U	0.02 UL	0.02 UL	0.021 UL	0.02 UL	0.02 UL
MOLYBDENUM	0.077 UL	0.08 UL	0.09 B	0.12 U	0.15 B	0.16 B	0.083 B	0.08 UL	0.3 B
NICKEL	0.76 J	16.7 J	15.9 J	15.1	14.3 L	18.7 L	11.9 L	16.3 L	11.2 L
SELENIUM	0.19 UL	0.19 UL	0.19 UL	0.19 U	0.19 UL	0.19 UL	0.2 UL	1.8 L	0.58 L
SILVER	0.0079 B	0.089	0.11 K	0.098	0.086 K	0.087 K	0.079	0.12	0.073
THALLIUM	0.0052 B	0.041 B	0.061 B	0.041 K	0.041 K	0.034 K	0.038 K	0.046 K	0.035 K
VANADIUM	3 J	15.2 J	16.5 J	13.85	11.2 J	13.5 J	11.5 J	12.7 J	15.1 J
ZINC	5.5 B	35.3	62.3	50	37.7	58	28.6	19.1	41.3
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	990 B	9100 B	8300 B	5500 U	2700 B	2000 B	2200 B	1600 B	1800 B
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	85.6	82.7	84.4	84.6	84.8	82.6	80.8	82.5	82.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-513	SB-514	SB-514	SB-514	SB-514	SB-515	SB-515	SB-517	SB-517
SAMPLE ID	SB-513-0810	SB-514-0406	SB-514-0810	SB-514-0810-AVG	SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0810
SAMPLE DATE	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071130	20071130
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	8	8	4	8	4	8
BOTTOM DEPTH	10	6	10	10	10	6	10	6	10
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-518	SB-518	SB-519	SB-519	SB-520	SB-520	SB-541A	SB-542	SB-542
SAMPLE ID	SB-518-0406	SB-518-0810	SB-519-0406	SB-519-0810	SB-520-0406	SB-520-0810	SB-541A-4	SB-542-3	SB-542-4
SAMPLE DATE	20071130	20071130	20071130	20071130	20071130	20071130	20081111	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	4	8	4	3	4
BOTTOM DEPTH	6	10	6	10	6	10	4	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,1-DICHLOROETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	0.48 J	NA	NA	NA
1,1-DICHLOROETHENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	1.1 B	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
1,2-DIBROMOETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2-DICHLOROETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
2-BUTANONE	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
2-CHLOROTOLUENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
2-HEXANONE	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
4-CHLOROTOLUENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
4-METHYL-2-PENTANONE	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
ACETONE	24 J	14 J	9 J	14 J	9.9 J	12 U	NA	NA	NA
BENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
BROMOBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
BROMOCHLOROMETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
BROMODICHLOROMETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
BROMOFORM	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
BROMOMETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CARBON DISULFIDE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CARBON TETRACHLORIDE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CHLOROBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CHLOROETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CHLOROFORM	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CHLOROMETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
DIBROMOMETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
DIISOPROPYL ETHER	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
ETHYL TERT-BUTYL ETHER	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
ETHYLBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
ISOPROPYLBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
M+P-XYLENES	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
METHYL TERT-BUTYL ETHER	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
METHYLENE CHLORIDE	4.2 B	5.7 B	6.1 B	5.1 B	5.8 B	5.1 B	NA	NA	NA
NAPHTHALENE	6 U	6.5 U	0.69 B	5.8 U	6.1 U	6 U	NA	NA	NA
N-BUTYLBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
N-PROPYLBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
O-XYLENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
SEC-BUTYLBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
STYRENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
TERT-AMYL METHYL ETHER	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
TERT-BUTYLBENZENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	120 UR	130 UR	120 UR	120 UR	120 UR	120 UR	NA	NA	NA
TETRACHLOROETHENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
TOLUENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
TRICHLOROETHENE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	29	NA	NA	NA
VINYL ACETATE	12 U	13 U	12 U	12 U	12 U	12 U	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-518	SB-518	SB-519	SB-519	SB-520	SB-520	SB-541A	SB-542	SB-542
SAMPLE ID	SB-518-0406	SB-518-0810	SB-519-0406	SB-519-0810	SB-520-0406	SB-520-0810	SB-541A-4	SB-542-3	SB-542-4
SAMPLE DATE	20071130	20071130	20071130	20071130	20071130	20071130	20081111	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	4	8	4	3	4
BOTTOM DEPTH	6	10	6	10	6	10	4	3	4
VINYL CHLORIDE	6 U	6.5 U	5.8 U	5.8 U	6.1 U	6 U	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2,4-DICHLOROPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2,4-DIMETHYLPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2,4-DINITROPHENOL	790 U	860 U	770 U	770 U	800 U	800 U	NA	NA	NA
2,4-DINITROTOLUENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2,6-DINITROTOLUENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2-CHLORONAPHTHALENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2-CHLOROPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2-METHYLPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
2-NITROANILINE	790 U	860 U	770 U	770 U	800 U	800 U	NA	NA	NA
2-NITROPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
3-NITROANILINE	790 U	860 U	770 U	770 U	800 U	800 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
4-CHLOROANILINE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
4-METHYLPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
4-NITROANILINE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
4-NITROPHENOL	790 U	860 U	770 U	770 U	800 U	800 U	NA	NA	NA
ACETOPHENONE	80 U	87 U	77 U	77 U	81 U	80 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
CAPROLACTAM	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
CARBAZOLE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
DIBENZOFURAN	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
DIETHYL PHTHALATE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
DIMETHYL PHTHALATE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
HEXACHLOROBENZENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
HEXACHLOROBUTADIENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
HEXACHLOROETHANE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
ISOPHORONE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
NITROBENZENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
PENTACHLOROPHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
PHENOL	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
ACENAPHTHENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
ACENAPHTHYLENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
ANTHRACENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
BAP EQUIVALENT-HALFND	400 U	430 U	380 U	380 U	400 U	424	NA	NA	NA
BAP EQUIVALENT-POS	400 U	430 U	380 U	380 U	400 U	2.1	NA	NA	NA
BENZO(A)ANTHRACENE	400 U	430 U	380 U	380 U	400 U	8.6 J	NA	NA	NA
BENZO(A)PYRENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
BENZO(B)FLUORANTHENE	400 U	430 U	380 U	380 U	400 U	12 J	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
BENZO(K)FLUORANTHENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-518	SB-518	SB-519	SB-519	SB-520	SB-520	SB-541A	SB-542	SB-542
SAMPLE ID	SB-518-0406	SB-518-0810	SB-519-0406	SB-519-0810	SB-520-0406	SB-520-0810	SB-541A-4	SB-542-3	SB-542-4
SAMPLE DATE	20071130	20071130	20071130	20071130	20071130	20071130	20081111	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	4	8	4	3	4
BOTTOM DEPTH	6	10	6	10	6	10	4	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-518	SB-518	SB-519	SB-519	SB-520	SB-520	SB-541A	SB-542	SB-542
SAMPLE ID	SB-518-0406	SB-518-0810	SB-519-0406	SB-519-0810	SB-520-0406	SB-520-0810	SB-541A-4	SB-542-3	SB-542-4
SAMPLE DATE	20071130	20071130	20071130	20071130	20071130	20071130	20081111	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	4	8	4	3	4
BOTTOM DEPTH	6	10	6	10	6	10	4	3	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	400 U	430 U	380 U	380 U	400 U	9.2 J	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
FLUORANTHENE	400 U	430 U	380 U	380 U	400 U	15 J	NA	NA	NA
FLUORENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
NAPHTHALENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
PHENANTHRENE	400 U	430 U	380 U	380 U	400 U	400 U	NA	NA	NA
PYRENE	400 U	430 U	380 U	380 U	400 U	12 J	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	56.8	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	40 U	43 U	38 U	38 U	40 U	40 U	20 U	20 U	20 U
AROCLOR-1221	40 U	43 U	38 U	38 U	40 U	40 U	20 U	20 U	20 U
AROCLOR-1232	40 U	43 U	38 U	38 U	40 U	40 U	20 U	20 U	20 U
AROCLOR-1242	40 U	43 U	38 U	38 U	40 U	40 U	20 U	20 U	20 U
AROCLOR-1248	40 U	43 U	38 U	38 U	40 U	40 U	20 U	20 U	20 U
AROCLOR-1254	40 U	43 U	38 U	38 U	40 U	40 U	20 U	20 U	20 U
AROCLOR-1260	40 U	43 U	38 U	38 U	40 U	40 U	20 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.21 J	0.037 B	0.18 J	0.078 B	0.082 B	0.13 J	NA	NA	NA
ARSENIC	2.2 L	0.43 L	0.61 L	1.2 L	1.2 L	1.3 L	NA	NA	NA
BARIUM	13.3	4.3	10.9	1.6	9	6.7	NA	NA	NA
BERYLLIUM	1.4	0.48	1.2	0.65	1.9	1.8	NA	NA	NA
CADMIUM	0.15 K	0.0051 B	0.037 K	0.0092 B	0.031 K	0.031 K	NA	NA	NA
CHROMIUM	13.2 J	4.4 J	7.7 J	4.5 J	9.4 J	6.6 J	NA	NA	NA
COBALT	3.7 J	2.8 J	2.8 J	1.6 J	5.3 J	3.6 J	NA	NA	NA
COPPER	16.2 L	6.7 L	10.2 L	12.4 L	7.5 L	8.4 L	NA	NA	NA
IRON	23400	8620	18300	9720	14200	13500	NA	NA	NA
LEAD	4 L	2 L	3.4 L	1.2 L	3.6 L	2.5 L	NA	NA	NA
MANGANESE	45.5 L	28.1 L	26.1 L	21.3 L	41.7 L	32 L	NA	NA	NA
MERCURY	0.02 UL	0.022 UL	0.019 UL	0.019 UL	0.02 UL	0.02 UL	NA	NA	NA
MOLYBDENUM	0.19 B	0.086 UL	0.093 B	0.089 B	0.094 B	0.14 B	NA	NA	NA
NICKEL	9.3 L	3.8 L	9.7 L	2.6 L	14.4 L	8.3 L	NA	NA	NA
SELENIUM	0.61 L	0.21 UL	0.57 L	0.19 UL	0.23 L	0.19 UL	NA	NA	NA
SILVER	0.088	0.036	0.087	0.047	0.067	0.049	NA	NA	NA
THALLIUM	0.048 K	0.02 B	0.043 K	0.008 B	0.042 K	0.021 K	NA	NA	NA
VANADIUM	21.1 J	6.9 J	11.5 J	5.1 J	16.6 J	13.2 J	NA	NA	NA
ZINC	26.7	19.8	20.2	13.1	30.4	21	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	1800 B	1700 B	1500 B	1300 B	1300 B	1100 B	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	83.1	76.9	86.1	86.2	82.4	82.9	NA	84	82
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-518	SB-518	SB-519	SB-519	SB-520	SB-520	SB-541A	SB-542	SB-542
SAMPLE ID	SB-518-0406	SB-518-0810	SB-519-0406	SB-519-0810	SB-520-0406	SB-520-0810	SB-541A-4	SB-542-3	SB-542-4
SAMPLE DATE	20071130	20071130	20071130	20071130	20071130	20071130	20081111	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	4	8	4	3	4
BOTTOM DEPTH	6	10	6	10	6	10	4	3	4
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-545	SB-547	SB-547	SB-548	SB-548	SB-550A	SB-550A
SAMPLE ID	SB-543A-3	SB-543A-4	SB-545-4	SB-547-3	SB-547-4	SB-548-3	SB-548-4	SB-550A-3	SB-550A-4
SAMPLE DATE	20081111	20081111	20081023	20081021	20081021	20081023	20081023	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	3	4	3	4	3	4
BOTTOM DEPTH	3	4	4	3	4	3	4	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-545	SB-547	SB-547	SB-548	SB-548	SB-550A	SB-550A
SAMPLE ID	SB-543A-3	SB-543A-4	SB-545-4	SB-547-3	SB-547-4	SB-548-3	SB-548-4	SB-550A-3	SB-550A-4
SAMPLE DATE	20081111	20081111	20081023	20081021	20081021	20081023	20081023	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	3	4	3	4	3	4
BOTTOM DEPTH	3	4	4	3	4	3	4	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-545	SB-547	SB-547	SB-548	SB-548	SB-550A	SB-550A
SAMPLE ID	SB-543A-3	SB-543A-4	SB-545-4	SB-547-3	SB-547-4	SB-548-3	SB-548-4	SB-550A-3	SB-550A-4
SAMPLE DATE	20081111	20081111	20081023	20081021	20081021	20081023	20081023	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	3	4	3	4	3	4
BOTTOM DEPTH	3	4	4	3	4	3	4	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-545	SB-547	SB-547	SB-548	SB-548	SB-550A	SB-550A
SAMPLE ID	SB-543A-3	SB-543A-4	SB-545-4	SB-547-3	SB-547-4	SB-548-3	SB-548-4	SB-550A-3	SB-550A-4
SAMPLE DATE	20081111	20081111	20081023	20081021	20081021	20081023	20081023	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	3	4	3	4	3	4
BOTTOM DEPTH	3	4	4	3	4	3	4	3	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	19 U	20 U	NA	NA	19 U	19 U	20 U	20 U
AROCLOR-1221	19 U	19 U	20 U	NA	NA	19 U	19 U	20 U	20 U
AROCLOR-1232	19 U	19 U	20 U	NA	NA	19 U	19 U	20 U	20 U
AROCLOR-1242	19 U	19 U	20 U	NA	NA	19 U	19 U	20 U	20 U
AROCLOR-1248	19 U	19 U	20 U	NA	NA	19 U	19 U	20 U	20 U
AROCLOR-1254	19 U	19 U	20 U	NA	NA	19 U	19 U	20 U	20 U
AROCLOR-1260	19 U	19 U	20 U	NA	NA	19 U	19 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	NA	NA	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	84	87	85	86	88	84	81
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-543A	SB-543A	SB-545	SB-547	SB-547	SB-548	SB-548	SB-550A	SB-550A
SAMPLE ID	SB-543A-3	SB-543A-4	SB-545-4	SB-547-3	SB-547-4	SB-548-3	SB-548-4	SB-550A-3	SB-550A-4
SAMPLE DATE	20081111	20081111	20081023	20081021	20081021	20081023	20081023	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	3	4	3	4	3	4
BOTTOM DEPTH	3	4	4	3	4	3	4	3	4
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-554	SB-554	SB-555	SB-555	SB-555	SB-555A	SB-556	SB-556	SB-556
SAMPLE ID	SB-554-3	SB-554-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-556-4	SB-556-6	SB-556-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	6	8	10	4	6	8
BOTTOM DEPTH	3	4	4	6	8	10	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-554	SB-554	SB-555	SB-555	SB-555	SB-555A	SB-556	SB-556	SB-556
SAMPLE ID	SB-554-3	SB-554-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-556-4	SB-556-6	SB-556-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	6	8	10	4	6	8
BOTTOM DEPTH	3	4	4	6	8	10	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-554	SB-554	SB-555	SB-555	SB-555	SB-555A	SB-556	SB-556	SB-556
SAMPLE ID	SB-554-3	SB-554-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-556-4	SB-556-6	SB-556-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	6	8	10	4	6	8
BOTTOM DEPTH	3	4	4	6	8	10	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-554	SB-554	SB-555	SB-555	SB-555	SB-555A	SB-556	SB-556	SB-556
SAMPLE ID	SB-554-3	SB-554-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-556-4	SB-556-6	SB-556-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	6	8	10	4	6	8
BOTTOM DEPTH	3	4	4	6	8	10	4	6	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	910 U	18 U	19 U	20 U	NA	NA	NA
AROCLOR-1221	NA	NA	910 U	18 U	19 U	20 U	NA	NA	NA
AROCLOR-1232	NA	NA	910 U	18 U	19 U	20 U	NA	NA	NA
AROCLOR-1242	NA	NA	910 U	18 U	19 U	20 U	NA	NA	NA
AROCLOR-1248	NA	NA	910 U	18 U	19 U	20 U	NA	NA	NA
AROCLOR-1254	NA	NA	9800	18 U	19 U	20 U	NA	NA	NA
AROCLOR-1260	NA	NA	7800	18 U	250	20 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	17600	0 U	250	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	86	85	91	92	87	82	83	85	86
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-554	SB-554	SB-555	SB-555	SB-555	SB-555A	SB-556	SB-556	SB-556
SAMPLE ID	SB-554-3	SB-554-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-556-4	SB-556-6	SB-556-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	6	8	10	4	6	8
BOTTOM DEPTH	3	4	4	6	8	10	4	6	8
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-4	SB-557-6	SB-557-8	SB-558-4	SB-558-6	SB-558-8	SB-559-4	SB-559-6	SB-559-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-4	SB-557-6	SB-557-8	SB-558-4	SB-558-6	SB-558-8	SB-559-4	SB-559-6	SB-559-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-4	SB-557-6	SB-557-8	SB-558-4	SB-558-6	SB-558-8	SB-559-4	SB-559-6	SB-559-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
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Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-4	SB-557-6	SB-557-8	SB-558-4	SB-558-6	SB-558-8	SB-559-4	SB-559-6	SB-559-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	18 U	NA	NA	19 U	NA	NA	18 U	19 U	19 U
AROCLOR-1221	18 U	NA	NA	19 U	NA	NA	18 U	19 U	19 U
AROCLOR-1232	18 U	NA	NA	19 U	NA	NA	18 U	19 U	19 U
AROCLOR-1242	18 U	NA	NA	19 U	NA	NA	18 U	19 U	19 U
AROCLOR-1248	18 U	NA	NA	19 U	NA	NA	18 U	19 U	19 U
AROCLOR-1254	27	NA	NA	19 U	NA	NA	18 U	19 U	19 U
AROCLOR-1260	18 U	NA	NA	140	NA	NA	18 U	19 U	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	27	NA	NA	140	NA	NA	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	91	86	86	87	86	81	94	88	87
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559
SAMPLE ID	SB-557-4	SB-557-6	SB-557-8	SB-558-4	SB-558-6	SB-558-8	SB-559-4	SB-559-6	SB-559-8
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-561	SB-561	SB-561	SB-561A	SB-561A	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-4	SB-561-4	SB-561-6	SB-561-8	SB-561A-6	SB-561A-8	SB-562-4	SB-562-6	SB-562-8
SAMPLE DATE	20081022	20081021	20081021	20081021	20081111	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	6	8	6	8	4	6	8
BOTTOM DEPTH	4	4	6	8	6	8	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-561	SB-561	SB-561	SB-561A	SB-561A	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-4	SB-561-4	SB-561-6	SB-561-8	SB-561A-6	SB-561A-8	SB-562-4	SB-562-6	SB-562-8
SAMPLE DATE	20081022	20081021	20081021	20081021	20081111	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	6	8	6	8	4	6	8
BOTTOM DEPTH	4	4	6	8	6	8	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-561	SB-561	SB-561	SB-561A	SB-561A	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-4	SB-561-4	SB-561-6	SB-561-8	SB-561A-6	SB-561A-8	SB-562-4	SB-562-6	SB-562-8
SAMPLE DATE	20081022	20081021	20081021	20081021	20081111	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	6	8	6	8	4	6	8
BOTTOM DEPTH	4	4	6	8	6	8	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-561	SB-561	SB-561	SB-561A	SB-561A	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-4	SB-561-4	SB-561-6	SB-561-8	SB-561A-6	SB-561A-8	SB-562-4	SB-562-6	SB-562-8
SAMPLE DATE	20081022	20081021	20081021	20081021	20081111	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	6	8	6	8	4	6	8
BOTTOM DEPTH	4	4	6	8	6	8	4	6	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	NA	18 U	19 U	19 U	19 U	NA	NA	NA
AROCLOR-1221	19 U	NA	18 U	19 U	19 U	19 U	NA	NA	NA
AROCLOR-1232	19 U	NA	18 U	19 U	19 U	19 U	NA	NA	NA
AROCLOR-1242	19 U	NA	18 U	19 U	19 U	19 U	NA	NA	NA
AROCLOR-1248	19 U	NA	18 U	19 U	19 U	19 U	NA	NA	NA
AROCLOR-1254	19 U	NA	18 U	19 U	19 U	19 U	NA	NA	NA
AROCLOR-1260	19 U	NA	18 U	180	19 U	19 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	0 U	180	0 U	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	89	89	91	88	87	88	89	86	87
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-560	SB-561	SB-561	SB-561	SB-561A	SB-561A	SB-562	SB-562	SB-562
SAMPLE ID	SB-560-4	SB-561-4	SB-561-6	SB-561-8	SB-561A-6	SB-561A-8	SB-562-4	SB-562-6	SB-562-8
SAMPLE DATE	20081022	20081021	20081021	20081021	20081111	20081111	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	6	8	6	8	4	6	8
BOTTOM DEPTH	4	4	6	8	6	8	4	6	8
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566	SB-567
SAMPLE ID	SB-563-4	SB-563-6	SB-563-8	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8	SB-567-4
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	4	4	6	8	4
BOTTOM DEPTH	4	6	8	4	4	4	6	8	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566	SB-567
SAMPLE ID	SB-563-4	SB-563-6	SB-563-8	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8	SB-567-4
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	4	4	6	8	4
BOTTOM DEPTH	4	6	8	4	4	4	6	8	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566	SB-567
SAMPLE ID	SB-563-4	SB-563-6	SB-563-8	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8	SB-567-4
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	4	4	6	8	4
BOTTOM DEPTH	4	6	8	4	4	4	6	8	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566	SB-567
SAMPLE ID	SB-563-4	SB-563-6	SB-563-8	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8	SB-567-4
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	4	4	6	8	4
BOTTOM DEPTH	4	6	8	4	4	4	6	8	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	20 U	NA	NA	19 U	19 U	95 U	20 U	20 U	19 U
AROCLOR-1221	20 U	NA	NA	19 U	19 U	95 U	20 U	20 U	19 U
AROCLOR-1232	20 U	NA	NA	19 U	19 U	95 U	20 U	20 U	19 U
AROCLOR-1242	20 U	NA	NA	19 U	19 U	95 U	20 U	20 U	19 U
AROCLOR-1248	20 U	NA	NA	19 U	19 U	95 U	20 U	20 U	19 U
AROCLOR-1254	20 U	NA	NA	19 U	19 U	95 U	20 U	20 U	19 U
AROCLOR-1260	20 U	NA	NA	19 U	19 U	700	20 U	20 U	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	0 U	0 U	700	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	84	86	86	86	90	88	82	83	89
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-563	SB-563	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566	SB-567
SAMPLE ID	SB-563-4	SB-563-6	SB-563-8	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8	SB-567-4
SAMPLE DATE	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	4	4	6	8	4
BOTTOM DEPTH	4	6	8	4	4	4	6	8	4
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-568	SB-568	SB-568	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569
SAMPLE ID	SB-568-4	SB-568-4-AVG	SB-568-4-D	SB-568-6	SB-568-8	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081111	20081111	20081022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10	6	8	4
BOTTOM DEPTH	4	4	4	6	8	10	6	8	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-568	SB-568	SB-568	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569
SAMPLE ID	SB-568-4	SB-568-4-AVG	SB-568-4-D	SB-568-6	SB-568-8	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081111	20081111	20081022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10	6	8	4
BOTTOM DEPTH	4	4	4	6	8	10	6	8	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-568	SB-568	SB-568	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569
SAMPLE ID	SB-568-4	SB-568-4-AVG	SB-568-4-D	SB-568-6	SB-568-8	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081111	20081111	20081022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10	6	8	4
BOTTOM DEPTH	4	4	4	6	8	10	6	8	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-568	SB-568	SB-568	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569
SAMPLE ID	SB-568-4	SB-568-4-AVG	SB-568-4-D	SB-568-6	SB-568-8	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081111	20081111	20081022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10	6	8	4
BOTTOM DEPTH	4	4	4	6	8	10	6	8	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	19 U	19 U	NA	NA	20 U	19 U	19 U	380 U
AROCLOR-1221	19 U	19 U	19 U	NA	NA	20 U	19 U	19 U	380 U
AROCLOR-1232	19 U	19 U	19 U	NA	NA	20 U	19 U	19 U	380 U
AROCLOR-1242	19 U	19 U	19 U	NA	NA	20 U	19 U	19 U	380 U
AROCLOR-1248	19 U	19 U	19 U	NA	NA	20 U	19 U	19 U	380 U
AROCLOR-1254	19 U	19 U	19 U	NA	NA	20 U	19 U	19 U	380 U
AROCLOR-1260	89 J	66	43 J	NA	NA	20 U	19 U	19 U	4000
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	89	66	43	NA	NA	0 U	0 U	0 U	4000
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	88	87.5	87	88	88	85	87	90	88
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-568	SB-568	SB-568	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569
SAMPLE ID	SB-568-4	SB-568-4-AVG	SB-568-4-D	SB-568-6	SB-568-8	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081111	20081111	20081111	20081022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	6	8	10	6	8	4
BOTTOM DEPTH	4	4	4	6	8	10	6	8	4
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-570	SB-570	SB-570	SB-570A	SB-570A	SB-570A	SB-571
SAMPLE ID	SB-569-6	SB-569-8	SB-570-4	SB-570-6	SB-570-8	SB-570A-10	SB-570A-6	SB-570A-8	SB-571-4
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081111	20081111	20081111	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	10	6	8	4
BOTTOM DEPTH	6	8	4	6	8	10	6	8	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-570	SB-570	SB-570	SB-570A	SB-570A	SB-570A	SB-571
SAMPLE ID	SB-569-6	SB-569-8	SB-570-4	SB-570-6	SB-570-8	SB-570A-10	SB-570A-6	SB-570A-8	SB-571-4
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081111	20081111	20081111	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	10	6	8	4
BOTTOM DEPTH	6	8	4	6	8	10	6	8	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-570	SB-570	SB-570	SB-570A	SB-570A	SB-570A	SB-571
SAMPLE ID	SB-569-6	SB-569-8	SB-570-4	SB-570-6	SB-570-8	SB-570A-10	SB-570A-6	SB-570A-8	SB-571-4
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081111	20081111	20081111	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	10	6	8	4
BOTTOM DEPTH	6	8	4	6	8	10	6	8	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-570	SB-570	SB-570	SB-570A	SB-570A	SB-570A	SB-571
SAMPLE ID	SB-569-6	SB-569-8	SB-570-4	SB-570-6	SB-570-8	SB-570A-10	SB-570A-6	SB-570A-8	SB-571-4
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081111	20081111	20081111	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	10	6	8	4
BOTTOM DEPTH	6	8	4	6	8	10	6	8	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	20 U	19 U	36 U	NA	NA	18 U	19 U	19 U	18 U
AROCLOR-1221	20 U	19 U	36 U	NA	NA	18 U	19 U	19 U	18 U
AROCLOR-1232	20 U	19 U	36 U	NA	NA	18 U	19 U	19 U	18 U
AROCLOR-1242	20 U	19 U	36 U	NA	NA	18 U	19 U	19 U	18 U
AROCLOR-1248	20 U	19 U	36 U	NA	NA	18 U	19 U	19 U	18 U
AROCLOR-1254	20 U	19 U	36 U	NA	NA	18 U	19 U	19 U	18 U
AROCLOR-1260	33	300	390	NA	NA	34	19 U	19 U	18 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	33	300	390	NA	NA	34	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	83	87	92	86	88	94	88	90	90
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-569	SB-569	SB-570	SB-570	SB-570	SB-570A	SB-570A	SB-570A	SB-571
SAMPLE ID	SB-569-6	SB-569-8	SB-570-4	SB-570-6	SB-570-8	SB-570A-10	SB-570A-6	SB-570A-8	SB-571-4
SAMPLE DATE	20081022	20081022	20081022	20081022	20081022	20081111	20081111	20081111	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	10	6	8	4
BOTTOM DEPTH	6	8	4	6	8	10	6	8	4
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-9
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

LOCATION			SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-819	SB-819	SB-819
SAMPLE ID			E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07	E-SB-819-07-AVG	E-SB-819-07-D	E-SB-819-09
SAMPLE DATE			20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	7	9	3	5	7	7	7	9
BOTTOM DEPTH			3	5	7	9	3	5	7	7	7	9
VOLATILES (UG/KG)												
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (5)	63000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1254	320	110 N(4)	18 U	22 U	20 U	22 U	18 U	20 U	18 U	17.5 U	17 U	20 U
AROCLOR-1260	320	220 C	18 U	22 U	20 U	22 U	96	20 U	18 U	17.5 U	17 U	54
TOTAL AROCLOR	320 (9)	220 C(10)	0 U	0 U	0 U	0 U	96	0 U	0 U	0 U	0 U	54
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-819	SB-819	SB-819
SAMPLE ID				E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07	E-SB-819-07-AVG	E-SB-819-07-D	E-SB-819-09
SAMPLE DATE				20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	3	5	7	7	7	9
BOTTOM DEPTH				3	5	7	9	3	5	7	7	7	9
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-820	SB-820	SB-820	SB-820	SB-821	SB-821	SB-821	SB-821	SB-821	SB-821
SAMPLE ID				E-SB-820-03	E-SB-820-05	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05	E-SB-821-07	E-SB-821-09	E-SB-821-09-AVG	E-SB-821-09-D
SAMPLE DATE				20100915	20100915	20100915	20100915	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	3	5	7	9	9	9
BOTTOM DEPTH				3	5	7	9	3	5	7	9	9	9
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	19 U	20 U	19 U	20 U	21 U	19 U	20 U	22 U	21.5 U	21 U
AROCLOR-1260	320	220	C	19 U	20 U	19 U	20 U	21 U	37 J	20 U	60 J	41.5	23 J
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	0 U	0 U	0 U	37	0 U	60	41.5	23
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-820	SB-820	SB-820	SB-820	SB-821	SB-821	SB-821	SB-821	SB-821	SB-821
SAMPLE ID			E-SB-820-03	E-SB-820-05	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05	E-SB-821-07	E-SB-821-09	E-SB-821-09-AVG	E-SB-821-09-D
SAMPLE DATE			20100915	20100915	20100915	20100915	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	7	9	3	5	7	9	9	9
BOTTOM DEPTH			3	5	7	9	3	5	7	9	9	9
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION				SB-822	SB-822	SB-822	SB-822	SB-822	SB-822	SB-823	SB-823	SB-824	SB-824
SAMPLE ID				E-SB-822-03	E-SB-822-05	E-SB-822-05-AVG	E-SB-822-05-D	E-SB-822-07	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05
SAMPLE DATE				20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	5	5	7	9	5	7	3	5
BOTTOM DEPTH				3	5	5	5	7	9	5	7	3	5
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (5)	63000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N(4)	20 U	21 U	21 U	21 U	20 U	20 U	21 U	21 U	19 U	19 U
AROCLOR-1260	320	220	C	20 U	21 U	21 U	21 U	20 U	20 U	21 U	21 U	19 U	37
TOTAL AROCLOR	320 (9)	220	C(10)	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	37
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-822	SB-822	SB-822	SB-822	SB-822	SB-822	SB-823	SB-823	SB-824	SB-824
SAMPLE ID			E-SB-822-03	E-SB-822-05	E-SB-822-05-AVG	E-SB-822-05-D	E-SB-822-07	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05
SAMPLE DATE			20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE			NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	5	5	7	9	5	7	3	5
BOTTOM DEPTH			3	5	5	5	7	9	5	7	3	5
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [3][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-824	SB-824	SB-824	SB-824	SB-825	SB-825	SB-825	SB-825	SB-826	SB-826
SAMPLE ID				E-SB-824-07	E-SB-824-07-AVG	E-SB-824-07-D	E-SB-824-09	E-SB-825-03	E-SB-825-05	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07
SAMPLE DATE				20100915	20100915	20100915	20100915	20100913	20100913	20100913	20100913	20100916	20100916
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	7	7	9	3	5	7	9	5	7
BOTTOM DEPTH				7	7	7	9	3	5	7	9	5	7
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	20 U	20 U	20 U	21 U	19 U	21 U	20 U	20 U	20 U	20 U
AROCLOR-1260	320	220	C	20 U	20 U	20 U	21 U	19 U	21 U	20 U	20 U	20 U	20 U
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-824	SB-824	SB-824	SB-824	SB-825	SB-825	SB-825	SB-825	SB-826	SB-826
SAMPLE ID				E-SB-824-07	E-SB-824-07-AVG	E-SB-824-07-D	E-SB-824-09	E-SB-825-03	E-SB-825-05	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07
SAMPLE DATE				20100915	20100915	20100915	20100915	20100913	20100913	20100913	20100913	20100916	20100916
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	7	7	9	3	5	7	9	5	7
BOTTOM DEPTH				7	7	7	9	3	5	7	9	5	7
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [3][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-826	SB-826	SB-826	SB-827	SB-827	SB-827	SB-827	SB-828	SB-828	SB-829
SAMPLE ID				E-SB-826-09	E-SB-826-09-AVG	E-SB-826-09-D	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03	E-SB-828-09	E-SB-829-03
SAMPLE DATE				20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100917
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	9	9	3	5	7	9	3	9	3
BOTTOM DEPTH				9	9	9	3	5	7	9	3	9	3
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	490 J	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	370 J	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	170 J	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	580 J	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	330 J	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	460 J	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	430 J	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	320 J	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	500 J	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	620 J	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	350 J	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	2300 J	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	77 U	NA	NA	660 J	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	20 U	20 U	20 U	20 U	20 U	390 U	20000 U	20 U	21 U	20 U
AROCLOR-1260	320	220	C	20 U	20 U	20 UJ	20 U	20 U	**2500 J**	**260000 J**	**300**	130	20 UJ
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	0 U	0 U	0 U	**2500**	**260000**	**300**	130	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827	SB-827	SB-828	SB-828	SB-829
SAMPLE ID			E-SB-826-09	E-SB-826-09-AVG	E-SB-826-09-D	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03	E-SB-828-09	E-SB-829-03
SAMPLE DATE			20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100917
SAMPLE CODE			ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			9	9	9	3	5	7	9	3	9	3
BOTTOM DEPTH			9	9	9	3	5	7	9	3	9	3
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	**1500000**	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	280 U	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-829	SB-829	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831
SAMPLE ID				E-SB-829-05	E-SB-829-07	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07
SAMPLE DATE				20100917	20100917	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH				5	7	9	3	5	7	9	3	5	7
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	90 U	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	20 U	23 U	20 U	20 U	20 U	20 U	21 U	20 U	18 U	20 U
AROCLOR-1260	320	220	C	20 UJ	23 UJ	20 UJ	20 U	20 U	20 U	21 U	20 U	18 U	20 U
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-829	SB-829	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831
SAMPLE ID			E-SB-829-05	E-SB-829-07	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07
SAMPLE DATE			20100917	20100917	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH			5	7	9	3	5	7	9	3	5	7
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [3][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-831	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A
SAMPLE ID				E-SB-831-09	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10
SAMPLE DATE				20100913	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	5	7	9	3	5	7	9	6	10
BOTTOM DEPTH				9	5	7	9	3	5	7	9	6	10
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	44000 U	410 U	3000 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	**2200000**	**18000**	**140000**
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	440 U	4.1 U	30 U
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	**9600000**	**140000**	**830000**
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	13000 U	120 U	870 U
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	120000 J	1600 J	6200 J
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	26000 U	240 U	1700 U
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	12000 U	**37000**	**38000 J**
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	**130000 J**	**17000**	**28000 J**
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	110000 U	1000 U	7500 U
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	12000 U	120 U	840 U
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	800000 B	4100 U	30000 U
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	31000 U	290 U	2100 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	31000 U	290 U	2100 U
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	16000 U	150 U	1100 U
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	16000 U	1500 J	1100 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	18000 U	170 U	1200 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	17000 U	160 U	1100 U
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	16000 U	150 U	1100 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	360000 B	1900 U	13000 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	140000 B	160 U	1200 U
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	21000 U	2900 J	1400 U
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	22000 U	210 U	1500 U
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	12000 U	380 J	820 U
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	7200000 B	5800 UR	42000 UR
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	31000 U	290 U	2100 U
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	44000 U	410 U	3000 U
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	21000 U	200 U	1400 U
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	25000 U	230 U	1700 U
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	41000 U	390 U	2800 U
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	46000 U	440 U	3100 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	62000 U	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	88000 U	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	11000 U	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	27000	100 U	200 U
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	28000	100 U	200 U
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	**39347**	**401**	200 U
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	**33242**	**340**	200 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	**35000**	100 U	200 U
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	**27000**	**290**	200 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	**27000**	**500**	200 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	77 U	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	**42000**	470	68 U
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	81000	660	200 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	11000 U	100 U	200 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	11000 U	310	460
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	88000	360	200 U
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	60000	520	200 U
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	415000	3110	460
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	20 U	20 U	24 U	22 U	20 U	20 U	20 U	1100000 U	210000 U	210000 U
AROCLOR-1260	320	220	C	20 U	63	24 U	22 U	**330**	140	20 U	**24000000**	**510000**	**2000000**
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	63	0 U	0 U	**330**	140	0 U	**24000000**	**510000**	**2000000**
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	0.031 U	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	**0.61 J**	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	6.2	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	1.3	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-831	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A
SAMPLE ID				E-SB-831-09	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10
SAMPLE DATE				20100913	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	5	7	9	3	5	7	9	6	10
BOTTOM DEPTH				9	5	7	9	3	5	7	9	6	10
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	0.011 B	NA	NA
CHROMIUM	12000 [11]	12000	N[11]	NA	NA	NA	NA	NA	NA	NA	3.2	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	**5.3**	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	4.3	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	**10900**	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	1.7	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	13.6	NA	NA
MERCURY	2.3 [12]	2.3	N[13]	NA	NA	NA	NA	NA	NA	NA	0.02 U	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	0.082 U	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	8.6	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	0.59 J	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	0.021 U	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	0.017 U	NA	NA
VANADIUM	7.8	39	N[14]	NA	NA	NA	NA	NA	NA	NA	3	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	43.7	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	**28000000**	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	630 J	140000 J	170000 J
TPH (C10-C32)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-833B	SB-833B	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D	SB-833D
SAMPLE ID				E-SB-833B-04	E-SB-833B-06	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04	E-SB-833D-06
SAMPLE DATE				20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	6	8	10	4	6	8	10	4	6
BOTTOM DEPTH				4	6	8	10	4	6	8	10	4	6
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	0.26 U	0.31 U	0.28 U	0.33 U	0.31 U	0.31 U	0.34 U	0.28 U	0.3 U	0.34 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	0.28 U	2.2 J	2.1 J	0.34 U	0.33 U	0.33 U	0.36 U	0.29 U	0.31 U	0.6 J
1,2,3-TRIMETHYLBENZENE	NC	NC		0.12 U	0.69 B	0.13 U	0.71 B	0.15 U	0.15 U	0.16 U	0.61 B	0.14 U	0.16 U
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	0.69 B	12	11	1.4 B	0.66 B	0.94 B	0.79 B	0.49 B	0.57 B	2.7 B
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.47 U	0.56 U	0.51 U	0.59 U	0.56 U	0.56 U	0.61 U	0.5 U	0.54 U	0.62 U
1,2-DICHLOROBENZENE	700000	190000	N	0.26 U	0.31 U	0.28 U	0.33 U	0.31 U	0.31 U	0.34 U	0.28 U	0.3 U	0.39 J
1,2-DICHLOROETHANE	7000	430	C	0.25 U	0.29 U	0.27 U	0.31 U	0.29 U	0.3 U	0.32 U	0.26 U	0.28 U	0.32 U
1,3-DICHLOROBENZENE	23000	NC		0.25 U	0.39 J	0.5 J	0.32 U	0.3 U	0.3 U	0.33 U	0.27 U	0.29 U	0.33 U
1,4-DICHLOROBENZENE	27000	2400	C	0.48 U	0.57 U	0.52 U	0.6 U	0.57 U	0.57 U	0.62 U	0.51 U	0.55 U	0.63 U
2-BUTANONE	4700000	2800000	N	1 U	1.2 U	1.1 U	1.3 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.3 U
4-ISOPROPYLTOLUENE	NC	NC		0.15 U	0.18 U	0.16 U	0.19 U	0.18 U	0.18 U	0.2 U	0.16 U	0.17 U	0.2 U
ACETONE	7000000	6100000	N	4.8 B	5.4 U	5.4 B	7.3 B	5.4 U	8 B	5.9 U	4.8 U	5.9 B	6.2 B
BENZENE	12000	1100	C	0.17 U	0.2 U	0.18 U	0.21 U	0.2 U	0.2 U	0.22 U	0.18 U	0.19 U	0.22 U
CARBON DISULFIDE	780000	82000	N	0.32 U	0.38 U	0.35 U	0.4 U	0.38 U	0.38 U	0.41 U	0.34 U	0.36 U	0.42 U
CARBON TETRACHLORIDE	4900	610	C	0.27 U	0.32 U	0.29 U	0.33 U	0.32 U	0.32 U	0.35 U	0.28 U	0.31 U	0.35 U
CHLOROBENZENE	160000	29000	N	0.24 U	0.28 U	0.26 U	0.3 U	0.28 U	0.29 U	0.31 U	0.25 U	0.27 U	0.31 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	0.26 U	0.31 U	0.28 U	0.33 U	0.31 U	0.31 U	0.34 U	0.28 U	0.3 U	0.34 U
ISOPROPYLBENZENE	780000	210000	N	0.12 U	0.14 U	0.13 U	0.14 U	0.14 U	0.14 U	0.15 U	0.12 U	0.13 U	0.15 U
M+P-XYLENES	1600000 [5]	63000	N[6]	0.87 U	1 U	0.94 U	1.1 U	1 U	1 U	1.1 U	0.92 U	0.99 U	1.1 U
METHYLENE CHLORIDE	85000	11000	C	0.49 U	0.58 U	0.53 U	0.61 U	0.58 U	0.58 U	0.63 U	0.51 U	0.55 U	0.64 U
NAPHTHALENE	160000	3600	C	0.14 U	0.16 U	0.15 U	0.17 U	0.16 U	0.17 U	0.18 U	0.15 U	0.16 U	0.18 U
N-BUTYLBENZENE	NC	NC		0.17 U	0.2 U	0.18 U	0.21 U	0.2 U	0.2 U	0.22 U	0.18 U	0.19 U	0.22 U
O-XYLENE	1600000 [5]	380000	N	0.25 U	0.3 U	0.27 U	0.32 U	0.3 U	0.3 U	0.33 U	0.27 U	0.29 U	0.33 U
SEC-BUTYLBENZENE	NC	NC		0.13 U	0.16 U	0.14 U	0.16 U	0.16 U	0.16 U	0.17 U	0.14 U	0.15 U	0.17 U
TERTIARY-BUTYL ALCOHOL	NC	NC		5.5 UR	6.6 UR	6 UR	6.9 UR	6.5 UR	6.6 UR	7.1 UR	5.8 UR	6.3 UR	7.2 UR
TETRACHLOROETHENE	1200	550	C	0.38 U	0.45 U	0.41 U	0.49 J	0.45 U	0.45 U	0.49 U	0.4 U	0.43 U	0.49 U
TOLUENE	630000	500000	N	0.2 U	0.23 U	0.21 U	0.24 U	0.23 U	0.23 U	0.25 U	0.21 U	0.22 U	0.26 U
TOTAL XYLENES	1600000 [5]	63000	N	0.49 U	0.58 U	0.53 U	0.61 U	0.58 U	0.58 U	0.63 U	0.51 U	0.55 U	0.64 U
TRICHLOROETHENE	1600	2800	C	0.3 U	0.36 U	0.33 U	0.38 U	0.36 U	0.36 U	0.39 U	0.32 U	0.35 U	0.4 U
TRICHLOROFLUOROMETHANE	NC	79000	N	0.25 U	0.29 U	0.27 U	0.31 U	0.29 U	0.3 U	0.32 U	0.26 U	0.28 U	0.32 U
VINYL CHLORIDE	90	60	C	0.28 U	0.34 U	0.31 U	0.35 U	0.34 U	0.34 U	0.37 U	0.3 U	0.32 U	0.37 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
ACENAPHTHENE	470000	340000	N	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
ACENAPHTHYLENE	470000	340000	N[7]	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
ANTHRACENE	2300000	1700000	N	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
BAP EQUIVALENT-HALFND	22	15		3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
BAP EQUIVALENT-POS	22	15	C	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
BENZO(A)ANTHRACENE	220	150	C	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
BENZO(A)PYRENE	22	15	C	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
BENZO(B)FLUORANTHENE	220	150	C	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
FLUORANTHENE	310000	230000	N	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
FLUORENE	310000	230000	N	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
NAPHTHALENE	160000	3600	C	31	43	200	65	230	3.9 U	4 U	4.1 U	4 U	4.2 U
PHENANTHRENE	2300000	170000	N[8]	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
PYRENE	230000	170000	N	3.9 U	4.1 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U	4.1 U	4 U	4.2 U
TOTAL PAHS	NC	NC		31	43	200	65	230	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	20 U	21 U	20 U	100 U	20 U	20 U	20 U	21 U	21 U	22 U
AROCLOR-1260	320	220	C	110	520	150	750	50	24 J	20 U	27 J	21 U	22 U
TOTAL AROCLOR	320 [9]	220	C[10]	110	520	150	750	50	24	0 U	27	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-833B	SB-833B	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D	SB-833D
SAMPLE ID			E-SB-833B-04	E-SB-833B-06	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04	E-SB-833D-06
SAMPLE DATE			20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	6	8	10	4	6	8	10	4	6
BOTTOM DEPTH			4	6	8	10	4	6	8	10	4	6
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	110 J	86 J	64 J	61 J	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [3][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-833D E-SB-833D-08 20101012 NORMAL SO NORMAL SB 8 8	SB-833D E-SB-833D-10 20101012 NORMAL SO NORMAL SB 10 10	SB-833E E-SB-833E-06 20101012 NORMAL SO NORMAL SB 6 6	SB-833E E-SB-833E-10 20101012 NORMAL SO NORMAL SB 10 10	SB-833F E-SB-833F-04 20101012 NORMAL SO NORMAL SB 4 4	SB-833F E-SB-833F-06 20101012 NORMAL SO NORMAL SB 6 6	SB-833F E-SB-833F-08 20101012 NORMAL SO NORMAL SB 8 8	SB-833F E-SB-833F-10 20101012 NORMAL SO NORMAL SB 10 10	SB-833G E-SB-833G-06 20101012 NORMAL SO NORMAL SB 6 6	SB-833G E-SB-833G-08 20101012 NORMAL SO NORMAL SB 8 8
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	0.32 U	13 U	770 U	15 U	15 U	15 U	14 U	15 U	0.26 U	0.31 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	65	11 B	**52000 J**	910 J	340 J	380 J	320 J	150 J	2 J	4.1 J
1,2,3-TRIMETHYLBENZENE	NC	NC		0.72 B	30 J	7.7 U	34 J	0.15 U	36 J	0.14 U	0.15 U	0.12 U	0.68 B
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	110 J	52 B	**260000**	4700	1500	1800	1500	720	7.5	21
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.59 U	3.8 U	230 U	4.3 U	4.4 U	4.5 U	4.2 U	4.5 U	0.47 U	0.57 U
1,2-DICHLOROBENZENE	700000	190000	N	12	6.6 U	1900 J	110 J	57 J	81 J	71 J	42 J	0.26 U	2.1 J
1,2-DICHLOROETHANE	7000	430	C	0.31 U	7.6 U	450 U	8.6 U	8.8 U	9.1 U	8.5 U	9 U	0.25 U	0.3 U
1,3-DICHLOROBENZENE	23000	NC		0.32 U	3.7 U	220 U	4.1 U	4.2 U	4.4 U	4.1 U	4.3 U	0.51 J	13
1,4-DICHLOROBENZENE	27000	2400	C	14	8.2 J	**2700 J**	140 J	89 J	110 J	93 J	58 J	1.6 J	38
2-BUTANONE	4700000	2800000	N	1.3 U	33 U	2000 U	37 U	38 U	39 U	36 U	39 U	1 U	1.2 U
4-ISOPROPYLTOLUENE	NC	NC		0.19 U	3.7 U	220 U	4.1 U	4.2 U	4.4 U	4.1 U	4.3 U	0.15 U	0.18 U
ACETONE	7000000	6100000	N	7.1 B	240 B	16000 J	260 J	220 J	260 J	240 J	260 J	11 B	7.2 B
BENZENE	12000	1100	C	0.21 U	9.1 U	550 U	10 U	11 U	11 U	10 U	11 U	0.17 U	0.4 J
CARBON DISULFIDE	780000	82000	N	0.4 U	9.1 U	550 U	10 U	11 U	11 U	10 U	11 U	0.32 U	0.38 U
CARBON TETRACHLORIDE	4900	610	C	0.33 U	4.9 U	290 U	5.5 U	5.6 U	5.8 U	5.4 U	5.8 U	0.27 U	0.88 J
CHLOROBENZENE	160000	29000	N	0.3 U	4.9 U	290 U	5.5 U	5.6 U	5.8 U	5.4 U	5.8 U	39	120
CIS-1,2-DICHLOROETHENE	78000	16000	N	0.32 U	5.3 U	310 U	5.9 U	6.1 U	6.3 U	5.8 U	6.2 U	0.26 U	0.31 U
ISOPROPYLBENZENE	780000	210000	N	0.14 U	5 U	300 U	5.6 U	5.7 U	5.9 U	5.5 U	5.9 U	0.12 U	0.14 U
M+P-XYLENES	1600000 [5]	63000	N[6]	1.1 U	4.7 U	280 U	5.3 U	5.5 U	5.6 U	5.3 U	5.6 U	0.87 U	1 U
METHYLENE CHLORIDE	85000	11000	C	0.6 U	59 U	4800 J	66 U	68 U	70 U	110 J	69 U	0.49 U	0.58 U
NAPHTHALENE	160000	3600	C	0.17 U	5.1 U	300 U	5.8 U	5.9 U	6.1 U	5.7 U	6 U	0.14 U	0.17 U
N-BUTYLBENZENE	NC	NC		0.21 U	6.1 U	360 U	6.9 U	7.1 U	7.3 U	6.8 U	7.2 U	0.17 U	0.2 U
O-XYLENE	1600000 [5]	380000	N	0.32 U	6.5 U	390 U	7.3 U	7.5 U	7.7 U	7.2 U	7.7 U	0.25 U	0.3 U
SEC-BUTYLBENZENE	NC	NC		0.16 U	3.6 U	210 U	4 U	4.1 U	4.3 U	4 U	4.2 U	0.13 U	0.16 U
TERTIARY-BUTYL ALCOHOL	NC	NC		6.8 UR	310 J	11000 UR	210 UR	210 UR	220 UR	200 UR	220 UR	5.5 UR	6.6 UR
TETRACHLOROETHENE	1200	550	C	0.47 U	9.1 U	550 U	10 U	11 U	11 U	10 U	11 U	0.38 U	2.6 J
TOLUENE	630000	500000	N	0.24 U	13 U	770 U	15 U	15 U	15 U	14 U	15 U	0.2 U	0.23 U
TOTAL XYLENES	1600000 [5]	63000	N	0.6 U	6.2 U	370 U	7 U	7.1 U	7.3 U	6.9 U	7.3 U	0.49 U	0.58 U
TRICHLOROETHENE	1600	2800	C	0.38 U	7.4 U	440 U	8.3 U	8.6 U	8.8 U	8.2 U	8.7 U	0.31 U	2.2 J
TRICHLOROFLUOROMETHANE	NC	79000	N	0.31 U	12 U	730 U	14 U	14 U	15 U	14 U	14 U	0.25 U	0.3 U
VINYL CHLORIDE	90	60	C	0.35 U	14 U	820 U	15 U	16 U	16 U	15 U	16 U	0.28 U	0.34 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
ACENAPHTHENE	470000	340000	N	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
ACENAPHTHYLENE	470000	340000	N[7]	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
ANTHRACENE	2300000	1700000	N	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
BAP EQUIVALENT-HALFND	22	15		3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
BAP EQUIVALENT-POS	22	15	C	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
BENZO(A)ANTHRACENE	220	150	C	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
BENZO(A)PYRENE	22	15	C	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
BENZO(B)FLUORANTHENE	220	150	C	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.3 U	1.4 U	26 U	1.3 U	1.3 U	1.3 U	1.4 U	1.4 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
FLUORANTHENE	310000	230000	N	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
FLUORENE	310000	230000	N	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
NAPHTHALENE	160000	3600	C	62	19	77 U	3.9 U	3.9 U	17	4.1 U	4.1 U	4.2 U	4 U
PHENANTHRENE	2300000	170000	N[8]	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
PYRENE	230000	170000	N	3.9 U	4.3 U	77 U	3.9 U	3.9 U	4 U	4.1 U	4.1 U	4.2 U	4 U
TOTAL PAHS	NC	NC		62	19	0 U	0 U	0 U	17	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	20 U	22 U	9900 U	2000 U	20 U	210 U	21 U	210 U	22 U	21 U
AROCLOR-1260	320	220	C	48	22 U	**180000**	**27000**	**250**	**2300**	100	**1000**	83	77
TOTAL AROCLOR	320 [9]	220	C[10]	48	0 U	**180000**	**27000**	**250**	**2300**	100	**1000**	83	77
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-833D	SB-833D	SB-833E	SB-833E	SB-833F	SB-833F	SB-833F	SB-833F	SB-833G	SB-833G
SAMPLE ID			E-SB-833D-08	E-SB-833D-10	E-SB-833E-06	E-SB-833E-10	E-SB-833F-04	E-SB-833F-06	E-SB-833F-08	E-SB-833F-10	E-SB-833G-06	E-SB-833G-08
SAMPLE DATE			20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	10	6	10	4	6	8	10	6	8
BOTTOM DEPTH			8	10	6	10	4	6	8	10	6	8
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	**1900000 J**	7600 J	3300 U	3400 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	56 J	55 U	55 U	56 U	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I	SB-833J	SB-833J	SB-833J	SB-833J
SAMPLE ID				E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10	E-SB-833J-04	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10
SAMPLE DATE				20101012	20101012	20101012	20101012	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				10	6	8	10	8	10	4	6	8	10
BOTTOM DEPTH				10	6	8	10	8	10	4	6	8	10
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	0.3 U	0.27 U	19 U	0.32 U	320 U	250 U	0.33 U	0.29 U	0.3 U	14 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	0.32 U	5.9	180 J	19 J	21000 J	11000 J	0.35 U	0.31 U	0.31 U	89 J
1,2,3-TRIMETHYLBENZENE	NC	NC		0.14 U	0.6 B	0.19 U	0.15 U	3.2 U	2.5 U	0.16 U	0.14 U	0.14 U	33 J
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	0.67 B	38	970	96	110000	66000	1.1 B	1.1 B	0.46 B	520
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.55 U	0.49 U	5.7 U	0.58 U	94 U	74 U	0.6 U	0.53 U	0.54 U	4.1 U
1,2-DICHLOROBENZENE	700000	190000	N	0.6 J	3.2 J	44 J	5.3	910 J	430 J	0.33 U	0.29 U	0.3 U	7 U
1,2-DICHLOROETHANE	7000	430	C	0.29 U	0.26 U	11 U	0.3 U	190 U	150 U	0.31 U	0.28 U	0.28 U	8.1 U
1,3-DICHLOROBENZENE	23000	NC		4.3	31	160 J	5.9	2600 J	3300 J	0.32 U	0.29 U	0.29 U	18 J
1,4-DICHLOROBENZENE	27000	2400	C	18	30	140 J	9.9	2900 J	2300 J	0.61 U	0.54 U	0.55 U	20 J
2-BUTANONE	4700000	2800000	N	1.2 U	1.1 U	49 U	1.3 U	810 U	640 U	1.3 U	1.1 U	1.2 U	35 U
4-ISOPROPYLTOLUENE	NC	NC		0.18 U	0.16 U	5.4 U	0.19 U	91 U	71 U	0.19 U	0.17 U	0.17 U	3.9 U
ACETONE	7000000	6100000	N	15 B	5 B	190 U	6.6 B	4500 B	3600 B	24 B	17 B	5.2 U	200 B
BENZENE	12000	1100	C	0.34 J	0.33 J	14 U	0.21 U	230 U	180 U	0.21 U	0.19 U	0.19 U	9.7 U
CARBON DISULFIDE	780000	82000	N	0.37 U	0.33 U	14 U	0.39 U	230 U	180 U	0.4 U	0.36 U	0.36 U	9.7 U
CARBON TETRACHLORIDE	4900	610	C	0.31 U	0.28 U	7.3 U	0.33 U	120 U	95 U	0.34 U	0.3 U	0.31 U	5.2 U
CHLOROBENZENE	160000	29000	N	170	51	52 J	2 J	210 J	120 J	0.3 U	0.27 U	0.27 U	5.2 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	0.3 U	0.27 U	7.8 U	0.57 J	130 U	100 U	0.33 U	0.29 U	0.3 U	5.6 U
ISOPROPYLBENZENE	780000	210000	N	0.13 U	0.12 U	7.4 U	0.14 U	120 U	96 U	0.15 U	0.13 U	0.13 U	5.3 U
M+P-XYLENES	1600000 [5]	63000	N[6]	1 U	0.9 U	7 U	1.1 U	120 U	92 U	1.1 U	0.98 U	0.99 U	5 U
METHYLENE CHLORIDE	85000	11000	C	0.56 U	0.5 U	87 U	0.6 U	1500 U	1100 U	0.62 U	0.55 U	0.56 U	62 U
NAPHTHALENE	160000	3600	C	0.16 U	0.14 U	7.6 U	0.17 U	130 U	99 U	0.17 U	0.16 U	0.16 U	5.4 U
N-BUTYLBENZENE	NC	NC		0.19 U	0.17 U	9.1 U	0.21 U	150 U	120 U	0.21 U	0.19 U	0.19 U	6.5 U
O-XYLENE	1600000 [5]	380000	N	0.29 U	0.26 U	9.6 U	0.31 U	160 U	130 U	0.32 U	0.29 U	0.29 U	6.9 U
SEC-BUTYLBENZENE	NC	NC		0.15 U	0.14 U	5.3 U	0.16 U	89 U	70 U	0.17 U	0.15 U	0.15 U	3.8 U
TERTIARY-BUTYL ALCOHOL	NC	NC		6.4 UR	5.7 UR	270 UR	6.8 UR	4500 UR	3600 UR	7 UR	6.2 UR	6.3 UR	620 J
TETRACHLOROETHENE	1200	550	C	0.44 U	0.69 J	14 U	2.2 J	230 U	180 U	0.48 U	0.43 U	0.43 U	9.7 U
TOLUENE	630000	500000	N	0.23 U	0.2 U	19 U	0.24 U	320 U	270 J	0.38 J	0.27 J	0.33 J	16 J
TOTAL XYLENES	1600000 [5]	63000	N	0.56 U	0.5 U	9.2 U	0.6 U	150 U	120 U	0.62 U	0.55 U	0.56 U	6.6 U
TRICHLOROETHENE	1600	2800	C	0.35 U	0.32 J	11 U	0.59 J	180 U	140 U	0.39 U	0.34 U	0.35 U	7.9 U
TRICHLOROFLUOROMETHANE	NC	79000	N	0.29 U	0.26 U	18 U	0.3 U	300 U	240 U	0.31 U	0.28 U	0.28 U	13 U
VINYL CHLORIDE	90	60	C	0.33 U	0.29 U	20 U	0.35 U	340 U	270 U	0.36 U	0.32 U	0.32 U	15 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
ACENAPHTHENE	470000	340000	N	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
ACENAPHTHYLENE	470000	340000	N[7]	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
ANTHRACENE	2300000	1700000	N	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
BAP EQUIVALENT-HALFND	22	15		3.9 U	3.9 U	3.8 U	4 U	40 U	177	3.8 U	4 U	3.9 U	4.1 U
BAP EQUIVALENT-POS	22	15	C	3.9 U	3.9 U	3.8 U	4 U	40 U	155	3.8 U	4 U	3.9 U	4.1 U
BENZO(A)ANTHRACENE	220	150	C	3.9 U	3.9 U	3.8 U	4 U	40 U	190	3.8 U	4 U	3.9 U	4.1 U
BENZO(A)PYRENE	22	15	C	3.9 U	3.9 U	3.8 U	4 U	40 U	120	3.8 U	4 U	3.9 U	4.1 U
BENZO(B)FLUORANTHENE	220	150	C	3.9 U	3.9 U	3.8 U	4 U	40 U	160	3.8 U	4 U	3.9 U	4.1 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.9 U	3.9 U	3.8 U	4 U	40 U	84	3.8 U	4 U	3.9 U	4.1 U
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.3 U	1.3 U	1.3 U	1.3 U	13 U	120	1.3 U	1.3 U	1.3 U	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
FLUORANTHENE	310000	230000	N	3.9 U	3.9 U	3.8 U	4 U	91	240	3.8 U	4 U	3.9 U	4.1 U
FLUORENE	310000	230000	N	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
NAPHTHALENE	160000	3600	C	3.9 U	23	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
PHENANTHRENE	2300000	170000	N[8]	3.9 U	3.9 U	3.8 U	4 U	40 U	39 U	3.8 U	4 U	3.9 U	4.1 U
PYRENE	230000	170000	N	3.9 U	3.9 U	3.8 U	4 U	110	220	3.8 U	4 U	3.9 U	4.1 U
TOTAL PAHS	NC	NC		0 U	23	0 U	0 U	201	1134	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	20 U	20 U	20 U	21 U	21000 U	20000 U	20 U	20 U	20 U	21 U
AROCLOR-1260	320	220	C	20 U	20 U	20 U	21 U	220000	350000	160	39 J	70	180 J
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	0 U	0 U	220000	350000	160	39	70	180
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I	SB-833J	SB-833J	SB-833J	SB-833J
SAMPLE ID			E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10	E-SB-833J-04	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10
SAMPLE DATE			20101012	20101012	20101012	20101012	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			10	6	8	10	8	10	4	6	8	10
BOTTOM DEPTH			10	6	8	10	8	10	4	6	8	10
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	**460000 K**	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	1600 J	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [3][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L	SB-833M	SB-833M	SB-833M	SB-833M
SAMPLE ID				E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08	E-SB-833M-04	E-SB-833M-06	E-SB-833M-08	E-SB-833M-10
SAMPLE DATE				20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				6	8	10	4	6	8	4	6	8	10
BOTTOM DEPTH				6	8	10	4	6	8	4	6	8	10
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	300 U	17 U	82 U	20 U	15 U	1600 U	0.34 U	0.28 U	0.34 U	0.31 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	22000 J	370 J	5800	420 J	230 J	77000 J	0.36 U	5.4	0.36 U	0.33 U
1,2,3-TRIMETHYLBENZENE	NC	NC		3 U	0.17 U	0.82 U	49 J	0.15 U	16 U	0.16 U	0.61 B	0.16 U	0.68 B
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	120000 J	1700 J	28000	1900	1000	410000 J	0.98 B	25	0.68 B	0.68 B
1,2,4-TRIMETHYLBENZENE	NC	6200	N	89 U	4.9 U	24 U	6 U	4.5 U	460 U	0.62 U	0.51 U	0.61 U	0.56 U
1,2-DICHLOROBENZENE	700000	190000	N	1100 J	68 J	180 J	42 J	22 J	3000 J	0.34 U	0.28 U	0.34 U	0.31 U
1,2-DICHLOROETHANE	7000	430	C	180 U	9.8 U	51 J	12 U	9 U	920 U	0.32 U	0.26 U	0.32 U	0.29 U
1,3-DICHLOROBENZENE	23000	NC		86 U	4.7 U	23 U	5.8 U	4.3 U	440 U	0.33 U	0.27 U	0.33 U	0.3 U
1,4-DICHLOROBENZENE	27000	2400	C	1500 J	98 J	250 J	67 J	27 J	4300 J	0.62 U	0.51 U	0.62 U	0.57 U
2-BUTANONE	4700000	2800000	N	770 U	71 J	210 U	52 U	110 J	3900 U	1.3 U	1.1 U	1.3 U	1.2 U
4-ISOPROPYLTOLUENE	NC	NC		86 U	4.7 U	23 U	5.8 U	4.3 U	440 U	0.2 U	0.16 U	0.2 U	0.18 U
ACETONE	7000000	6100000	N	3000 UJ	170 UJ	1100 B	280 B	190 B	16000 UJ	19 J	7.7 B	13 B	16 B
BENZENE	12000	1100	C	210 U	12 U	58 U	14 U	11 U	1100 U	0.22 U	0.18 U	0.22 U	0.2 U
CARBON DISULFIDE	780000	82000	N	210 U	12 U	58 U	14 U	11 U	1100 U	0.42 U	0.34 U	0.41 U	0.38 U
CARBON TETRACHLORIDE	4900	610	C	110 U	6.3 U	31 U	7.7 U	5.8 U	590 U	0.35 U	0.29 U	0.35 U	0.32 U
CHLOROBENZENE	160000	29000	N	110 U	6.3 U	31 U	7.7 U	12 J	4000 J	0.31 U	0.26 U	0.31 U	0.29 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	120 U	6.8 U	33 U	8.3 U	6.2 U	630 U	0.34 U	0.28 U	0.34 U	0.31 U
ISOPROPYLBENZENE	780000	210000	N	120 U	6.4 U	31 U	7.8 U	5.9 U	590 U	0.15 U	0.12 U	0.15 U	0.14 U
M+P-XYLENES	1600000 [5]	63000	N[6]	110 U	6.1 U	30 U	14 J	5.6 U	570 U	1.1 U	0.93 U	1.1 U	1 U
METHYLENE CHLORIDE	85000	11000	C	1400 U	76 U	370 U	93 U	69 U	9000 B	0.63 U	0.52 U	0.63 U	0.58 U
NAPHTHALENE	160000	3600	C	120 U	6.6 U	32 U	8.1 U	6 U	610 U	0.18 U	0.15 U	0.18 U	0.16 U
N-BUTYLBENZENE	NC	NC		140 U	7.9 U	38 U	9.6 U	7.2 U	730 U	0.22 U	0.18 U	0.22 U	0.2 U
O-XYLENE	1600000 [5]	380000	N	150 U	8.3 U	41 U	10 U	7.7 U	780 U	0.33 U	0.27 U	0.33 U	0.3 U
SEC-BUTYLBENZENE	NC	NC		84 U	4.6 U	23 U	5.7 U	4.2 U	430 U	0.17 U	0.14 U	0.17 U	0.16 U
TERTIARY-BUTYL ALCOHOL	NC	NC		4300 UR	240 UR	1200 UR	1200 J	720 J	22000 UR	7.2 UR	5.9 UR	7.1 UR	6.6 UR
TETRACHLOROETHENE	1200	550	C	210 U	12 U	58 U	14 U	11 U	1100 U	0.49 U	0.4 U	0.49 U	0.45 U
TOLUENE	630000	500000	N	300 U	17 U	82 U	48 J	16 J	1600 U	0.29 J	0.21 J	0.39 J	0.25 J
TOTAL XYLENES	1600000 [5]	63000	N	140 U	8 U	39 U	14 J	7.3 U	740 U	0.63 U	0.52 U	0.63 U	0.58 U
TRICHLOROETHENE	1600	2800	C	170 U	9.5 U	47 U	12 U	8.8 U	890 U	0.4 U	0.33 U	0.39 U	0.36 U
TRICHLOROFLUOROMETHANE	NC	79000	N	290 U	16 U	77 U	19 U	14 U	1500 U	0.32 U	0.26 U	0.32 U	0.29 U
VINYL CHLORIDE	90	60	C	320 U	18 U	87 U	22 U	16 U	1600 U	0.37 U	0.3 U	0.37 U	0.34 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
ACENAPHTHENE	470000	340000	N	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
ACENAPHTHYLENE	470000	340000	N[7]	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
ANTHRACENE	2300000	1700000	N	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
BAP EQUIVALENT-HALFND	22	15		39 U	3.9 U	142	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
BAP EQUIVALENT-POS	22	15	C	39 U	3.9 U	120	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
BENZO(A)ANTHRACENE	220	150	C	39 U	3.9 U	220	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
BENZO(A)PYRENE	22	15	C	39 U	3.9 U	85	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
BENZO(B)FLUORANTHENE	220	150	C	39 U	3.9 U	130	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
BENZO(K)FLUORANTHENE	2200	1500	C	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	13 U	1.3 U	130	1.3 U	1.3 U	13 U	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
FLUORANTHENE	310000	230000	N	39 U	3.9 U	370	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
FLUORENE	310000	230000	N	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
INDENO(1,2,3-CD)PYRENE	220	150	C	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
NAPHTHALENE	160000	3600	C	39 U	3.9 U	39 U	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
PHENANTHRENE	2300000	170000	N[8]	39 U	3.9 U	190	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
PYRENE	230000	170000	N	39 U	3.9 U	270	3.9 U	4 U	38 U	4 U	3.8 U	4 U	4 U
TOTAL PAHS	NC	NC		0 U	0 U	1395	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	100000 U	4000 U	20000 U	20 U	410 U	99000 U	41 U	99 U	41 U	20 U
AROCLOR-1260	320	220	C	970000	35000	270000	73	4500	700000	240	860	590	73
TOTAL AROCLOR	320 [9]	220	C[10]	970000	35000	270000	73	4500	700000	240	860	590	73
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L	SB-833M	SB-833M	SB-833M	SB-833M
SAMPLE ID			E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08	E-SB-833M-04	E-SB-833M-06	E-SB-833M-08	E-SB-833M-10
SAMPLE DATE			20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			6	8	10	4	6	8	4	6	8	10
BOTTOM DEPTH			6	8	10	4	6	8	4	6	8	10
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	**310000 J**	NA	**590000 K**	NA	7300 J	**450000 J**	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	110 J	NA	76 J	NA	56 UJ	5000	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-833N E-SB-833N-04 20101014 NORMAL SO NORMAL SB 4 4	SB-833N E-SB-833N-06 20101014 NORMAL SO NORMAL SB 6 6	SB-833N E-SB-833N-08 20101014 NORMAL SO NORMAL SB 8 8	SB-833N E-SB-833N-10 20101014 NORMAL SO NORMAL SB 10 10
VOLATILES (UG/KG)							
1,1-DICHLOROETHANE	1600000	3300	C	0.31 U	0.34 U	0.35 U	0.33 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	0.32 U	0.35 U	0.36 U	1.4 B
1,2,3-TRIMETHYLBENZENE	NC	NC		0.14 U	0.16 U	0.16 U	0.16 U
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	0.23 U	0.25 U	0.51 B	5.9 J
1,2,4-TRIMETHYLBENZENE	NC	6200	N	0.55 U	0.61 U	0.62 U	0.6 U
1,2-DICHLOROBENZENE	700000	190000	N	0.31 U	0.34 U	0.35 U	0.33 U
1,2-DICHLOROETHANE	7000	430	C	0.29 U	0.32 U	0.33 U	0.32 U
1,3-DICHLOROBENZENE	23000	NC		0.3 U	0.33 U	0.34 U	0.32 U
1,4-DICHLOROBENZENE	27000	2400	C	0.56 U	0.62 U	0.63 U	0.61 U
2-BUTANONE	4700000	2800000	N	1.5 J	1.3 U	1.3 U	1.3 U
4-ISOPROPYLTOLUENE	NC	NC		0.18 U	0.2 U	0.2 U	0.19 U
ACETONE	7000000	6100000	N	18 J	5.9 U	12 J	13 J
BENZENE	12000	1100	C	0.2 U	0.21 U	0.22 U	0.21 U
CARBON DISULFIDE	780000	82000	N	0.38 U	0.41 U	0.42 U	0.41 U
CARBON TETRACHLORIDE	4900	610	C	0.32 U	0.35 U	0.35 U	0.34 U
CHLOROBENZENE	160000	29000	N	0.28 U	0.31 U	0.32 U	0.31 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	0.31 U	0.37 J	0.35 U	0.33 U
ISOPROPYLBENZENE	780000	210000	N	0.14 U	0.15 U	0.15 U	0.15 U
M+P-XYLENES	1600000 [5]	63000	N[6]	1 U	1.1 U	1.2 U	1.1 U
METHYLENE CHLORIDE	85000	11000	C	0.57 U	0.63 U	0.64 U	0.62 U
NAPHTHALENE	160000	3600	C	0.16 U	2.3 B	0.18 U	0.18 U
N-BUTYLBENZENE	NC	NC		0.2 U	0.21 U	0.22 U	0.21 U
O-XYLENE	1600000 [5]	380000	N	0.3 U	0.33 U	0.34 U	0.32 U
SEC-BUTYLBENZENE	NC	NC		0.15 U	0.17 U	0.17 U	0.17 U
TERTIARY-BUTYL ALCOHOL	NC	NC		6.5 UR	11 J	10 J	7 J
TETRACHLOROETHENE	1200	550	C	0.44 U	0.49 U	0.5 U	0.48 U
TOLUENE	630000	500000	N	0.32 J	0.25 U	0.41 J	0.36 J
TOTAL XYLENES	1600000 [5]	63000	N	0.57 U	0.63 U	0.64 U	0.62 U
TRICHLOROETHENE	1600	2800	C	0.36 U	0.39 U	0.4 U	0.39 U
TRICHLOROFLUOROMETHANE	NC	79000	N	0.29 U	0.32 U	0.33 U	0.32 U
VINYL CHLORIDE	90	60	C	0.33 U	0.36 U	0.37 U	0.36 U
SEMIVOLATILES (UG/KG)							
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
2-METHYLNAPHTHALENE	31000	31000	N	40 U	41 U	40 U	16 U
ACENAPHTHENE	470000	340000	N	40 U	41 U	40 U	16 U
ACENAPHTHYLENE	470000	340000	N[7]	40 U	41 U	40 U	16 U
ANTHRACENE	2300000	1700000	N	40 U	41 U	40 U	16 U
BAP EQUIVALENT-HALFND	22	15		40 U	267	60	16 U
BAP EQUIVALENT-POS	22	15	C	40 U	240	16	16 U
BENZO(A)ANTHRACENE	220	150	C	40 U	41 U	40 U	16 U
BENZO(A)PYRENE	22	15	C	40 U	240	40 U	16 U
BENZO(B)FLUORANTHENE	220	150	C	40 U	41 U	160	16 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	40 U	41 U	40 U	16 U
BENZO(K)FLUORANTHENE	2200	1500	C	40 U	41 U	40 U	16 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
CHRYSENE	22000	15000	C	13 U	14 U	13 U	5.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	40 U	41 U	40 U	16 U
FLUORANTHENE	310000	230000	N	320	390	340	140
FLUORENE	310000	230000	N	40 U	41 U	40 U	16 U
INDENO(1,2,3-CD)PYRENE	220	150	C	40 U	41 U	40 U	16 U
NAPHTHALENE	160000	3600	C	40 U	41 U	40 U	16 U
PHENANTHRENE	2300000	170000	N[8]	40 U	41 U	40 U	16 U
PYRENE	230000	170000	N	110	210	160	70
TOTAL PAHS	NC	NC		430	840	660	210
PESTICIDES/PCBS (UG/KG)							
AROCLOR-1254	320	110	N[4]	21 U	21 U	100 U	100 U
AROCLOR-1260	320	220	C	210	80	370	430
TOTAL AROCLOR	320 [9]	220	C[10]	210	80	370	430
METALS (MG/KG)							
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][9]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-833N	SB-833N	SB-833N	SB-833N
SAMPLE ID				E-SB-833N-04	E-SB-833N-06	E-SB-833N-08	E-SB-833N-10
SAMPLE DATE				20101014	20101014	20101014	20101014
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB
TOP DEPTH				4	6	8	10
BOTTOM DEPTH				4	6	8	10
CADMIUM	3.9	7	N	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000	N[11]	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3	N[13]	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA
VANADIUM	7.8	39	N[14]	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA
TPH (C10-C32)	NC	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [3][9]	USEPA Regional Screening Levels (RSLs) [2][3]		MRC-MW43A MRC-MW43[0910] 20050517 NORMAL SO NORMAL SB 9 10	SB-001 SB-1-05 20031120 NORMAL SO NORMAL SB 5 5	SB-001 SB-1-10 20031120 NORMAL SO NORMAL SB 10 10	SB-002 SB-2-05 20031120 NORMAL SO NORMAL SB 5 5	SB-002 SB-2-10 20031120 NORMAL SO NORMAL SB 10 10	SB-003 SB-3-05 20031120 NORMAL SO NORMAL SB 5 5	SB-003 SB-3-10 20031120 NORMAL SO NORMAL SB 10 10	SB-004 SB-4-05 20031120 NORMAL SO NORMAL SB 5 5	SB-004 SB-4-10 20031120 NORMAL SO NORMAL SB 10 10	SB-010 SB-10-05 20031118 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
1,2-DICHLOROETHANE	7000	430	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
1,3-DICHLOROBENZENE	23000	NC		NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
2-BUTANONE	4700000	2800000	N	NA	72 U	67 U	67 U	66 U	65 U	66 U	69 U	68 U	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
ACETONE	7000000	6100000	N	NA	30 J	67 UJ	17 J	11 J	12 J	66 UJ	35 J	15 J	NA
BENZENE	12000	1100	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	1 U
CARBON DISULFIDE	780000	82000	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
CARBON TETRACHLORIDE	4900	610	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
CHLOROBENZENE	160000	29000	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
ISOPROPYLBENZENE	780000	210000	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	22 U	20 U	20 U	20 U	20 U	20 U	21 U	20 U	NA
METHYLENE CHLORIDE	85000	11000	C	NA	12 J	9 J	7 U	7 U	9 J	11 J	11 J	11 J	NA
NAPHTHALENE	160000	3600	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	1 U
N-BUTYLBENZENE	NC	NC		NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
O-XYLENE	1600000 [5]	380000	N	NA	22 U	20 U	20 U	20 U	20 U	20 U	21 U	20 U	NA
SEC-BUTYLBENZENE	NC	NC		NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
TOLUENE	630000	500000	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	1 U
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U
TRICHLOROETHENE	1600	2800	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
VINYL CHLORIDE	90	60	C	NA	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
CARBAZOLE	32000	NC		NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
DIBENZOFURAN	7800	7800	N	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
ACENAPHTHENE	470000	340000	N	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
ANTHRACENE	2300000	1700000	N	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
BAP EQUIVALENT-HALFND	22	15		NA	480 U	450 U	440 U	440 U	440 U	440 U	531	450 U	NA
BAP EQUIVALENT-POS	22	15	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	0.052	450 U	NA
BENZO(A)ANTHRACENE	220	150	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
BENZO(A)PYRENE	22	15	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	480 U	450 U	440 U	440 U	440 U	440 U	50 J	450 U	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	52 J	450 U	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
FLUORANTHENE	310000	230000	N	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
FLUORENE	310000	230000	N	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
NAPHTHALENE	160000	3600	C	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
PHENANTHRENE	2300000	170000	N[8]	NA	480 U	450 U	440 U	440 U	440 U	440 U	460 U	450 U	NA
PYRENE	230000	170000	N	NA	480 U	450 U	440 U	440 U	440 U	440 U	57 J	450 U	NA
TOTAL PAHS	NC	NC		NA	0 U	0 U	0 U	0 U	0 U	0 U	159	0 U	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	NA	72 U	67 U	67 U	66 U	65 U	66 U	69 U	68 U	NA
AROCLOR-1260	320	220	C	NA	72 U	67 U	67 U	66 U	65 U	66 U	69 U	68 U	NA
TOTAL AROCLOR	320 [9]	220	C[10]	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	3.6 UL	3.4 UL	3.3 UL	3.3 UL	3.3 UL	3.3 UL	3.5 UL	3.4 UL	NA
ARSENIC	0.43	0.39	C	NA	5.5 L	1.8 L	2.1 L	0.87 L	1.5 L	1.6 L	4.9 L	2.4 L	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	3.6	3.4 U	3.3 U	3.3 U	3.3 U	3.3 U	3.5 U	3.4 U	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	MRC-MW43A	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003	SB-004	SB-004	SB-010
SAMPLE ID			MRC-MW43[0910]	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05	SB-3-10	SB-4-05	SB-4-10	SB-10-05
SAMPLE DATE			20050517	20031120	20031120	20031120	20031120	20031120	20031120	20031120	20031120	20031118
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			9	5	10	5	10	5	10	5	10	5
BOTTOM DEPTH			10	5	10	5	10	5	10	5	10	5
CADMIUM	3.9	7 N	NA	3.6 U	3.4 U	3.3 U	3.3 U	3.3 U	3.3 U	3.5 U	3.4 U	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	26 J	13 B	3.4 B	3.3 UJ	6.6 B	5.2 B	27 J	14 B	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	45	17	3.3 U	3.3 U	3.3 U	3.3 U	17	15	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	7.7	5	3.3 U	3.3 U	3.3 U	3.3 U	4.5	4.4	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	0.14 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	14	30	3.3 U	3.3 U	3.3 U	3.3 U	9	8	NA
SELENIUM	39	39 N	NA	3.6 U	3.4 U	3.3 U	3.3 U	3.3 U	3.3 U	3.5 U	3.4 U	NA
SILVER	39	39 N	NA	3.6 UR	3.4 UR	3.3 UR	3.3 UR	3.3 UR	3.3 UR	3.5 UR	3.4 UR	NA
THALLIUM	0.55	NC	NA	2.9 U	2.7 U	2.7 U	2.6 U	2.6 U	2.6 U	2.8 U	2.7 U	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	79	76	33 U	33 U	33 U	33 U	35 U	34 U	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	29000 U	27000 U	27000 U	26000 U	26000 U	26000 U	230000	27000 U	20000 U
GASOLINE RANGE ORGANICS	230000	NC	NA	140 U	130 U	130 U	130 U	490	4400	190	140 U	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	70	74	75	76	77	76	72	73	75
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	690 J	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION				SB-011	SB-012	SB-013	SB-014	SB-015	SB-016	SB-017	SB-018	SB-019	SB-019
SAMPLE ID				SB-11-05	SB-12-05	SB-13-05	SB-14-05	SB-15-05	SB-16-05	SB-17-05	SB-18-05	SB-19-05	SB-19-10
SAMPLE DATE				20031119	20031119	20031119	20031119	20031119	20031119	20031119	20031119	20031121	20031121
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	5	5	5	5	5	5	5	5	10
BOTTOM DEPTH				5	5	5	5	5	5	5	5	5	10
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (5)	63000	N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL XYLENES	1600000 (5)	63000	N	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (9)	220	C(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION			SB-011	SB-012	SB-013	SB-014	SB-015	SB-016	SB-017	SB-018	SB-019	SB-019
SAMPLE ID			SB-11-05	SB-12-05	SB-13-05	SB-14-05	SB-15-05	SB-16-05	SB-17-05	SB-18-05	SB-19-05	SB-19-10
SAMPLE DATE			20031119	20031119	20031119	20031119	20031119	20031119	20031119	20031119	20031121	20031121
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	5	5	5	5	5	5	5	5	10
BOTTOM DEPTH			5	5	5	5	5	5	5	5	5	10
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (11)	12000 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (12)	2.3 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(14)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	27000 U	27000 U	25000 U	25000 U	27000 U	25000 U	28000 UJ	29000 U	56000	27000 U
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	75	75	81	80	75	79	70	70	80	74
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION			SB-020	SB-020	SB-021	SB-021	SB-035	SB-036	SB-500	SB-500	SB-501	SB-501
SAMPLE ID			SB-20-05	SB-20-10	SB-21-05	SB-21-10	SB-35-04	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810
SAMPLE DATE			20031120	20031120	20031120	20031120	20040922	20040917	20071127	20071127	20071127	20071127
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	10	5	10	4	5	4	8	4	8
BOTTOM DEPTH			5	10	5	10	4	5	6	10	6	10
VOLATILES (UG/KG)												
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	2100	14000
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	1.7 J	6 U	280 U	2900 U
1,2,4-TRICHLOROBENZENE	78000	6200 N(4)	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	4800	69000
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	6 U	6 U	4.4 J	6 U	280 U	2900 U
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	610 J
1,2-DICHLOROETHANE	7000	430 C	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	17 J	640 J
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	57 U	59 U	11 U	12 U	550 U	5800 U
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
ACETONE	7000000	6100000 N	NA	NA	NA	NA	57 U	59 U	11 U	12 U	550 U	5800 U
BENZENE	12000	1100 C	1 U	1 U	1 U	6	6 U	6 U	5.6 U	6 U	280 U	2900 U
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
CARBON TETRACHLORIDE	4900	610 C	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
CIS-1,2-DICHLOROETHENE	78000	16000 N	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
M+P-XYLENES	1600000 (5)	63000 N(6)	NA	NA	NA	NA	11 U	12 U	2.1 J	12 U	550 U	5800 U
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	7 J	8 J	1.4 B	3 B	280 U	2900 U
NAPHTHALENE	160000	3600 C	1 U	1 U	1 U	1 U	6 U	6 U	2.6 B	6 U	280 U	2900 U
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
O-XYLENE	1600000 (5)	380000 N	NA	NA	NA	NA	6 U	6 U	1.3 J	6 U	280 U	2900 U
SEC-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	110 UR	120 UR	5500 UR	58000 UR
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
TOLUENE	630000	500000 N	1 U	1 U	1 U	1 U	6 U	6 U	0.49 J	6 U	280 U	2900 U
TOTAL XYLENES	1600000 (5)	63000 N	1 U	1 U	1 U	1 U	NA	NA	3.4 J	12 U	550 U	5800 U
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
VINYL CHLORIDE	90	60 C	NA	NA	NA	NA	6 U	6 U	5.6 U	6 U	280 U	2900 U
SEMIVOLATILES (UG/KG)												
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
CARBAZOLE	32000	NC	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
ACENAPHTHYLENE	470000	340000 N(7)	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	390 U	400 UJ	370 U	400 U	370 U	390 U
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	390 U	400 UJ	370 U	400 U	370 U	390 U
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	390 U	400 UJ	370 U	400 U	370 U	390 U
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	390 U	400 UJ	370 U	400 U	370 U	390 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	390 U	400 UJ	370 U	400 U	370 U	390 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
FLUORENE	310000	230000 N	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	390 U	400 UJ	370 U	400 U	370 U	390 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
PHENANTHRENE	2300000	170000 N(8)	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
PYRENE	230000	170000 N	NA	NA	NA	NA	390 U	400 U	370 U	400 U	370 U	390 U
TOTAL PAHS	NC	NC	NA	NA	NA	NA	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1254	320	110 N(4)	NA	NA	NA	NA	280 U	300 U	37 U	40 U	740 U	3900 U
AROCLOR-1260	320	220 C	NA	NA	NA	NA	280 U	300 U	37 U	40 U	5800	24000
TOTAL AROCLOR	320 (9)	220 C(10)	NA	NA	NA	NA	0 U	0 U	0 U	0 U	5800	24000
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	2.5 UL	2.8 U	0.091 B	0.098 B	0.068 B	0.18 J
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	1.6	1.3	0.31 L	0.73 L	1.1 L	0.94 L
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	6.2	8.5	6.5	13.8
BERYLLIUM	16	16 N	NA	NA	NA	NA	2.5 U	2.8 U	0.33	0.57	0.44	3.1

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION			SB-020	SB-020	SB-021	SB-021	SB-035	SB-036	SB-500	SB-500	SB-501	SB-501
SAMPLE ID			SB-20-05	SB-20-10	SB-21-05	SB-21-10	SB-35-04	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810
SAMPLE DATE			20031120	20031120	20031120	20031120	20040922	20040917	20071127	20071127	20071127	20071127
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	10	5	10	4	5	4	8	4	8
BOTTOM DEPTH			5	10	5	10	4	5	6	10	6	10
CADMIUM	3.9	7 N	NA	NA	NA	NA	2.5 U	2.8 U	0.0084 B	0.016	0.0056 B	0.018 K
CHROMIUM	12000 (11)	12000 N(11)	NA	NA	NA	NA	10 J	5.6 K	7.4 K	10.8 K	6 K	15.7 K
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	1.2 J	1.7 J	1.7 J	**4.1 J**
COPPER	310	310 N	NA	NA	NA	NA	6.1	4.7 L	3.6 J	4.5 J	4.9 J	12.4 J
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	**9880**	**10900**	**7710**	**25800**
LEAD	400	400	NA	NA	NA	NA	4.6	2.8 UJ	1.6 J	1.3 J	1.8 J	5.1 J
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	19.6 L	18.6 L	29 L	70.4 L
MERCURY	2.3 (12)	2.3 N(13)	NA	NA	NA	NA	0.1 U	0.11 U	0.019 U	0.02 U	0.019 U	0.02 U
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	0.13 B	0.13 B	0.17 B	0.078 UL
NICKEL	160	150 N	NA	NA	NA	NA	5.7	2.8 U	4	6.4	2.1	14.7
SELENIUM	39	39 N	NA	NA	NA	NA	2.5 U	2.8 U	0.56 L	0.24 L	0.18 UL	0.46 L
SILVER	39	39 N	NA	NA	NA	NA	2.5 UR	2.8 UL	0.036	0.04	0.026 B	0.078
THALLIUM	0.55	NC	NA	NA	NA	NA	2 U	2.3 UL	0.024 B	0.033 B	0.031 B	0.052 B
VANADIUM	7.8	39 N(14)	NA	NA	NA	NA	NA	NA	**10.8**	**17.3**	7.1	**20.7**
ZINC	2300	2300 N	NA	NA	NA	NA	25 UL	28 UL	5.7 J	8.4 J	7.4 J	24.8 J
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	26000 U	26000 U	28000 U	27000 U	12000 U	12000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	110 U	120 U	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	15000 B	640 J	25000 B	34000 B
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	77	77	73	73	NA	NA	89.3	83.3	89.5	84.7
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-502	SB-502	SB-503	SB-504	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507
SAMPLE ID				SB-502-0406	SB-502-0810	SB-503-0406	SB-504-0406	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406
SAMPLE DATE				20071127	20071127	20071127	20071127	20071127	20071127	20071127	20071128	20071128	20071128
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	8	4	4	8	4	8	4	8	4
BOTTOM DEPTH				6	10	6	6	10	6	10	6	10	6
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	21	710	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
1,2,3-TRIMETHYLBENZENE	NC	NC		5.8 U	290 U	6.1 U	0.35 J	0.35 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	71	3700	6.1 U	0.95 B	0.63 B	5.8 U	0.45 B	5.8 U	6.4 U	6.2 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	5.8 U	290 U	0.92 B	0.95 B	1.2 B	5.8 U	6.3 U	5.8 U	1 B	6.2 U
1,2-DICHLOROBENZENE	700000	190000	N	5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
1,2-DICHLOROETHANE	7000	430	C	5.8 U	290 U	6.1 U	1.5 J	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
1,3-DICHLOROBENZENE	23000	NC		0.46 J	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
1,4-DICHLOROBENZENE	27000	2400	C	5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
2-BUTANONE	4700000	2800000	N	12 U	580 U	12 U	11 U	4.3 J	12 U	13 U	12 U	13 U	2.6 J
4-ISOPROPYLTOLUENE	NC	NC		5.8 U	290 U	6.1 U	9	1.6 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
ACETONE	7000000	6100000	N	12 J	580 U	12 U	21 J	74 J	12 U	13 U	12 U	14 J	56 J
BENZENE	12000	1100	C	5.8 U	290 U	6.1 U	0.81 J	0.78 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
CARBON DISULFIDE	780000	82000	N	5.8 U	290 U	6.1 U	1.2 J	2.4 J	5.8 U	6.3 U	5.8 U	4.2 J	6.2 U
CARBON TETRACHLORIDE	4900	610	C	5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
CHLOROBENZENE	160000	29000	N	5.8 U	290 U	6.1 U	1.8 J	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
ISOPROPYLBENZENE	780000	210000	N	5.8 U	290 U	6.1 U	0.82 J	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
M+P-XYLENES	1600000 [5]	63000	N[6]	12 U	580 U	12 U	11 U	12 U	12 U	13 U	12 U	13 U	12 U
METHYLENE CHLORIDE	85000	11000	C	2.7 B	290 U	3.3 B	3.4 B	3.7 B	3.1 B	2.5 B	2.3 B	1.8 B	6.5 B
NAPHTHALENE	160000	3600	C	5.8 U	290 U	6.1 U	1.3 B	2.4 B	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
N-BUTYLBENZENE	NC	NC		5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
O-XYLENE	1600000 [5]	380000	N	5.8 U	290 U	6.1 U	1.4 J	0.8 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
SEC-BUTYLBENZENE	NC	NC		5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
TERTIARY-BUTYL ALCOHOL	NC	NC		120 UR	5800 UR	120 UR	110 UR	120 UR	120 UR	130 UR	120 UR	130 UR	120 UR
TETRACHLOROETHENE	1200	550	C	5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
TOLUENE	630000	500000	N	5.8 U	290 U	6.1 U	0.59 J	0.47 J	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
TOTAL XYLENES	1600000 [5]	63000	N	12 U	580 U	12 U	2.2 J	1.5 J	12 U	13 U	12 U	13 U	12 U
TRICHLOROETHENE	1600	2800	C	5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
TRICHLOROFLUOROMETHANE	NC	79000	N	5.8 U	290 U	6.1 U	5.7 U	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
VINYL CHLORIDE	90	60	C	5.8 U	290 U	6.1 U	0.64 J	5.8 U	5.8 U	6.3 U	5.8 U	6.4 U	6.2 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	390 U	3800 U	400 U	1500 U	38 J	380 U	25 J	380 U	420 U	410 U
CARBAZOLE	32000	NC		390 U	3800 U	400 U	370 J	22 J	380 U	410 U	380 U	420 U	410 U
DIBENZOFURAN	7800	7800	N	390 U	3800 U	400 U	260 J	380 U	380 U	410 U	380 U	420 U	410 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	390 U	3800 U	400 U	140 J	12 J	380 U	410 U	380 U	420 U	410 U
ACENAPHTHENE	470000	340000	N	390 U	3800 U	400 U	500 J	21 J	380 U	410 U	380 U	420 U	410 U
ACENAPHTHYLENE	470000	340000	N[7]	390 U	3800 U	400 U	1500 U	380 U	380 U	410 U	380 U	420 U	410 U
ANTHRACENE	2300000	1700000	N	390 U	3800 U	400 U	1100 J	26 J	380 U	410 U	380 U	420 U	410 U
BAP EQUIVALENT-HALFND	22	15		**217**	3800 U	**234**	**2167**	**287**	380 U	**239**	380 U	420 U	410 U
BAP EQUIVALENT-POS	22	15	C	**22**	3800 U	**34**	**2167**	**97**	380 U	13	380 U	420 U	410 U
BENZO(A)ANTHRACENE	220	150	C	21 J	3800 U	28 J	**2000**	83 J	380 U	9.7 J	380 U	420 U	410 U
BENZO(A)PYRENE	22	15	C	**16 J**	3800 U	**26 J**	**1500**	**73 J**	380 U	10 J	380 U	420 U	410 U
BENZO(B)FLUORANTHENE	220	150	C	31 J	3800 U	40 J	**1900**	110 J	380 U	21 J	380 U	420 U	410 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	11 J	3800 U	19 J	710 J	47 J	380 U	410 U	380 U	420 U	410 U
BENZO(K)FLUORANTHENE	2200	1500	C	9.3 J	3800 U	17 J	770 J	38 J	380 U	9.2 J	380 U	420 U	410 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	13 J	3800 U	29 J	1700	71 J	380 U	12 J	380 U	420 U	410 U
DIBENZO(A,H)ANTHRACENE	22	15	C	390 U	3800 U	400 U	**200 J**	380 U	380 U	410 U	380 U	420 U	410 U
FLUORANTHENE	310000	230000	N	32 J	3800 U	54 J	4900	190 J	380 U	21 J	380 U	420 U	410 U
FLUORENE	310000	230000	N	390 U	3800 U	400 U	510 J	19 J	380 U	410 U	380 U	420 U	410 U
INDENO(1,2,3-CD)PYRENE	220	150	C	10 J	3800 U	15 J	**680 J**	43 J	380 U	410 U	380 U	420 U	410 U
NAPHTHALENE	160000	3600	C	390 U	3800 U	400 U	330 J	22 J	380 U	410 U	380 U	420 U	410 U
PHENANTHRENE	2300000	170000	N[8]	10 J	3800 U	25 J	3900	100 J	380 U	410 U	380 U	420 U	410 U
PYRENE	230000	170000	N	20 J	3800 U	51 J	3400	120 J	380 U	17 J	380 U	420 U	410 U
TOTAL PAHS	NC	NC		173.3	0 U	304	24240	975	0 U	99.9	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	7700 U	19000 U	200 U	1900 U	380 U	38 U	210 U	38 U	42 U	41 U
AROCLOR-1260	320	220	C	**49000**	**65000**	**380**	**11000**	**2300**	15 J	**650**	38 U	20 J	41 U
TOTAL AROCLOR	320 [9]	220	C[10]	**49000**	**65000**	**380**	**11000**	**2300**	15	**650**	0 U	20	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.17 L	0.14 B	0.1 B	0.14 B	0.13 B	0.17 B	0.12 B	0.045 B	0.033 B	0.067 B
ARSENIC	0.43	0.39	C	**1.3 L**	**0.55 L**	**0.42 L**	**2**	**1.2 L**	**1.2 L**	**1.7**	**1.6**	**1 L**	**2.3**
BARIUM	1600	1500	N	6.5	3.6	2.1	50.7	89.2	21.1	16.6	17.9	9.5	20.6
BERYLLIUM	16	16	N	0.15	0.11	0.015 B	0.75	0.38	0.95	0.72	0.61	0.48	1.1

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION			SB-502	SB-502	SB-503	SB-504	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507
SAMPLE ID			SB-502-0406	SB-502-0810	SB-503-0406	SB-504-0406	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406
SAMPLE DATE			20071127	20071127	20071127	20071127	20071127	20071127	20071127	20071128	20071128	20071128
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	8	4	4	8	4	8	4	8	4
BOTTOM DEPTH			6	10	6	6	10	6	10	6	10	6
CADMIUM	3.9	7 N	0.056	0.035	0.018	0.67	0.38 K	0.018 K	0.069 K	0.022	0.0077 B	0.038 K
CHROMIUM	12000 (11)	12000 N(11)	5.9 K	3.3 K	3.2 J	12.9 J	13.3 J	10.2 J	12.8 J	8.7 J	4.4 J	11.1 J
COBALT	NC	2.3 N	1.1 J	0.67 J	0.18	**8.6**	**4.5**	**6.3**	**4.6**	**3.3**	**2.4**	**3.3**
COPPER	310	310 N	2.3 J	1.6 J	1.9 J	12.9 J	16.6 J	14.6 J	11.7 J	7 J	4.6 J	6.8 J
IRON	5500	5500 N	**5570**	4060	1980	**15400**	**18900**	**17700**	**17000**	**8880**	**6210**	**13600**
LEAD	400	400	3.6 J	2.4 J	2.4 J	14.4 J	10.4 J	3.7 J	4 J	4.4 J	2.4 J	6.8 J
MANGANESE	160	180 N	44 L	39.7 L	3.5	88.8	**168**	34.5	31.3	41.5	29.3	44.7
MERCURY	2.3 (12)	2.3 N(13)	0.019 U	0.019 U	0.02 U	0.079	0.29	0.019 U	0.021 U	0.019 U	0.021 U	0.021 U
MOLYBDENUM	NC	39 N	0.14 B	0.18 B	0.35 B	0.38 B	1.3 J	0.15 B	0.42 B	0.12 B	0.16 B	0.33 B
NICKEL	160	150 N	1.6	1.4	0.39 B	10.9	11.1	10.3	6.5	8.2	2.8	7.1
SELENIUM	39	39 N	0.19 UL	0.19 UL	0.19 U	0.21	0.31	0.31	0.2	0.19 U	0.2 U	0.21
SILVER	39	39 N	0.031 B	0.018 B	0.016 B	0.16	0.094	0.073	0.07	0.051	0.034 B	0.077
THALLIUM	0.55	NC	0.015 B	0.0085 B	0.011 B	0.099 K	0.21 K	0.051 B	0.04 B	0.047 B	0.027 B	0.13 K
VANADIUM	7.8	39 N(14)	7.2	4	5.3 J	**18.3 J**	**20.2 J**	**18.8 J**	**15.9 J**	**16 J**	7.6 J	**17.5 J**
ZINC	2300	2300 N	13.9 J	14.9 J	2.8	41.1	45.7	19.5	18.1	26.3	9.8	25.4
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	48000	37000	9900 J	130000 B	43000	2700 B	7000 J	17000 J	3600 J	4300 J
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	85.7	85.8	82.1	87.2	86	85.9	79.7	86.4	78.5	81.1
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [3][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-507	SB-508	SB-508	SB-508	SB-508	SB-509	SB-509	SB-834	SB-834	SB-834
SAMPLE ID				SB-507-0810	SB-508-0406	SB-508-0406-AVG	SB-508-0406-D	SB-508-0810	SB-509-0406	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09
SAMPLE DATE				20071128	20071128	20071128	20071128	20071128	20071129	20071129	20100916	20100916	20100916
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	4	4	4	8	4	8	5	7	9
BOTTOM DEPTH				10	6	6	6	10	6	10	5	7	9
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
2-BUTANONE	4700000	2800000	N	12 U	12 U	12 U	12 U	4.6 J	12 U	11 U	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
ACETONE	7000000	6100000	N	8 J	12 U	12 U	12 U	13 J	10 J	15 J	NA	NA	NA
BENZENE	12000	1100	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
CHLOROBENZENE	160000	29000	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	12 U	12 U	12 U	12 U	12 U	12 U	11 U	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	5.3 B	7.1 B	6.25 U	5.4 B	7.2 B	4.8 B	4.3 B	NA	NA	NA
NAPHTHALENE	160000	3600	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
N-BUTYLBENZENE	NC	NC		5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		120 UR	120 UR	120 R	120 UR	120 UR	120 UR	110 UR	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
TOLUENE	630000	500000	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	12 U	12 U	12 U	12 U	12 U	12 U	11 U	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
VINYL CHLORIDE	90	60	C	5.8 U	5.8 U	5.85 U	5.9 U	6 U	5.8 U	5.7 U	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
CARBAZOLE	32000	NC		380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
DIBENZOFURAN	7800	7800	N	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
ACENAPHTHENE	470000	340000	N	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
ANTHRACENE	2300000	1700000	N	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
BENZO(A)PYRENE	22	15	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	81 U	NA
CHRYSENE	22000	15000	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
FLUORANTHENE	310000	230000	N	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
FLUORENE	310000	230000	N	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
NAPHTHALENE	160000	3600	C	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
PYRENE	230000	170000	N	380 U	390 U	390 U	390 U	400 U	380 U	380 U	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	38 U	39 U	39 U	39 U	40 U	38 U	38 U	23 U	20 U	22 U
AROCLOR-1260	320	220	C	38 U	39 U	39 U	39 U	40 U	38 U	38 U	**280**	23 J	24 J
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	**280**	23	24
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.036 B	0.11 B	0.0945 U	0.079 B	0.084 B	0.059 L	0.12 L	NA	NA	NA
ARSENIC	0.43	0.39	C	**1.1 L**	**1.4**	**1.2**	**1 L**	**0.42 L**	**1.7 J**	**2.5 J**	NA	NA	NA
BARIUM	1600	1500	N	9.8	11.4	9.75	8.1	8.5	8.9 K	5.7 K	NA	NA	NA
BERYLLIUM	16	16	N	1.6	0.85	0.79	0.73	1.5	0.62	0.33	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-507	SB-508	SB-508	SB-508	SB-508	SB-509	SB-509	SB-834	SB-834	SB-834
SAMPLE ID			SB-507-0810	SB-508-0406	SB-508-0406-AVG	SB-508-0406-D	SB-508-0810	SB-509-0406	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09
SAMPLE DATE			20071128	20071128	20071128	20071128	20071128	20071129	20071129	20100916	20100916	20100916
SAMPLE CODE			NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	4	4	4	8	4	8	5	7	9
BOTTOM DEPTH			10	6	6	6	10	6	10	5	7	9
CADMIUM	3.9	7 N	0.028	0.014 B	0.014 U	0.014 B	0.016 K	0.016 B	0.0087 B	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	7.5 J	9.1 J	7.9	6.7 J	13.2 J	10 J	8.3 J	NA	NA	NA
COBALT	NC	2.3 N	1.2	2.3	2	1.7	**3.5**	2.3	2.3	NA	NA	NA
COPPER	310	310 N	6.3 J	10.6 J	9.4	8.2 J	11.4 J	11.3 J	6.7 J	NA	NA	NA
IRON	5500	5500 N	3760	**17700**	**14550**	**11400**	**8540**	**10300**	**10200**	NA	NA	NA
LEAD	400	400	3.3 J	3.4 J	3.1	2.8 J	3.3 J	2.5 J	1.4 J	NA	NA	NA
MANGANESE	160	180 N	8.1	14.3 J	73.15	132 J	18.8	27.1 L	25.9 L	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	0.019 U	0.019 U	0.0195 U	0.02 U	0.02 U	0.019 UL	0.019 UL	NA	NA	NA
MOLYBDENUM	NC	39 N	0.11 B	0.13 B	0.111 U	0.092 B	0.079 UL	0.1 B	0.27 B	NA	NA	NA
NICKEL	160	150 N	4.2	6.6	6.1	5.6	10.3	5.4 J	3.9 J	NA	NA	NA
SELENIUM	39	39 N	0.56	0.32	0.35	0.38	0.21	0.3 L	0.18 UL	NA	NA	NA
SILVER	39	39 N	0.036 B	0.078	0.0785	0.079	0.05	0.042	0.032	NA	NA	NA
THALLIUM	0.55	NC	0.041 B	0.046 B	0.041 U	0.036 B	0.035 B	0.028 B	0.02 B	NA	NA	NA
VANADIUM	7.8	39 N[14]	**14.4 J**	**19.8 J**	**16.55**	**13.3 J**	**13.4 J**	**14.5 J**	**10.6 J**	NA	NA	NA
ZINC	2300	2300 N	8.5	16.8 J	13.1	9.4 J	14.8	10.7 B	6 B	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	2700 B	1900 B	1800 U	1700 B	2700 B	13000 B	5600 B	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	86.3	85.6	85.35	85.1	83.1	86.3	87.4	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [3][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-835 E-SB-835-03 20100917 NORMAL SO NORMAL SB 3 3	SB-835 E-SB-835-05 20100917 NORMAL SO NORMAL SB 5 5	SB-835 E-SB-835-07 20100917 NORMAL SO NORMAL SB 7 7	SB-835 E-SB-835-09 20100917 NORMAL SO NORMAL SB 9 9	SB-836 E-SB-836-03 20100917 NORMAL SO NORMAL SB 3 3	SB-836 E-SB-836-05 20100917 NORMAL SO NORMAL SB 5 5	SB-836 E-SB-836-07 20100917 NORMAL SO NORMAL SB 7 7	SB-836 E-SB-836-09 20100917 NORMAL SO NORMAL SB 9 9	SB-837 E-SB-837-03 20100917 NORMAL SO NORMAL SB 3 3	SB-837 E-SB-837-05 20100917 NORMAL SO NORMAL SB 5 5
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	81 U	NA	NA	NA	78 U	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	19 U	21 U	21 U	200 U	23 U	20 U	20 U	22 U	18 U	19 U
AROCLOR-1260	320	220	C	19 U	310	94	3500	23 U	22 J	20 U	22 U	18 U	19 U
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	310	94	3500	0 U	22	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-835	SB-835	SB-835	SB-835	SB-836	SB-836	SB-836	SB-836	SB-837	SB-837
SAMPLE ID			E-SB-835-03	E-SB-835-05	E-SB-835-07	E-SB-835-09	E-SB-836-03	E-SB-836-05	E-SB-836-07	E-SB-836-09	E-SB-837-03	E-SB-837-05
SAMPLE DATE			20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH			3	5	7	9	3	5	7	9	3	5
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-837	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-839
SAMPLE ID				E-SB-837-07	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07	E-SB-839-09
SAMPLE DATE				20100917	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH				7	9	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	21 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1260	320	220	C	21 U	59	20 U	20 U	20 U	20 U	20 U	20 U	20 U	27 J
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	59	0 U	0 U	0 U	0 U	0 U	0 U	0 U	27
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-837	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-839
SAMPLE ID			E-SB-837-07	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07	E-SB-839-09
SAMPLE DATE			20100917	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH			7	9	3	5	7	9	3	5	7	9
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841	SB-841
SAMPLE ID				E-SB-840-03	E-SB-840-05	E-SB-840-05-AVG	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07	E-SB-841-09
SAMPLE DATE				20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	5	5	7	9	3	5	7	9
BOTTOM DEPTH				3	5	5	5	7	9	3	5	7	9
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	18 U	20 U	20 U	20 U	20 U	19 U	19 U	19 U	20 U	20 U
AROCLOR-1260	320	220	C	18 U	20 U	20 U	20 U	20 U	19 U	19 U	35 J	68	140
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	35	68	140
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-840 E-SB-840-03 20100914 NORMAL SO NORMAL SB 3 3	SB-840 E-SB-840-05 20100914 ORIG SO NORMAL SB 5 5	SB-840 E-SB-840-05-AVG 20100914 AVG SO NORMAL SB 5 5	SB-840 E-SB-840-05-D 20100914 DUP SO NORMAL SB 5 5	SB-840 E-SB-840-07 20100914 NORMAL SO NORMAL SB 7 7	SB-840 E-SB-840-09 20100914 NORMAL SO NORMAL SB 9 9	SB-841 E-SB-841-03 20100914 NORMAL SO NORMAL SB 3 3	SB-841 E-SB-841-05 20100914 NORMAL SO NORMAL SB 5 5	SB-841 E-SB-841-07 20100914 NORMAL SO NORMAL SB 7 7	SB-841 E-SB-841-09 20100914 NORMAL SO NORMAL SB 9 9
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION			SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843	SB-844	SB-844
SAMPLE ID			E-SB-842-3	E-SB-842-5	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09	E-SB-844-03	E-SB-844-05
SAMPLE DATE			20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH			3	5	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200 N(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (5)	63000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (5)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (5)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1254	320	110 N(4)	19 U	20 U	20 U	20 U	19 U	20 U	20 U	19 U	23 U	22 U
AROCLOR-1260	320	220 C	19 U	20 U	20 U	20 U	19 U	20 U	20 U	19 U	23 U	120
TOTAL AROCLOR	320 (9)	220 C(10)	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	120
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843	SB-844	SB-844
SAMPLE ID			E-SB-842-3	E-SB-842-5	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09	E-SB-844-03	E-SB-844-05
SAMPLE DATE			20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH			3	5	7	9	3	5	7	9	3	5
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-844	SB-844	SB-845	SB-845	SB-845	SB-845	SB-846	SB-846	SB-846	SB-846
SAMPLE ID				E-SB-844-07	E-SB-844-09	E-SB-845-03	E-SB-845-05	E-SB-845-07	E-SB-845-09	E-SB-846-03	E-SB-846-05	E-SB-846-07	E-SB-846-09
SAMPLE DATE				20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH				7	9	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	21 U	110 U	44	18 U	20 U	94 U	20 U	18 U	20 U	21 U
AROCLOR-1260	320	220	C	21 U	400	19 U	18 U	20 U	350	20 U	18 U	20 U	21 U
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	400	44	0 U	0 U	350	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-844	SB-844	SB-845	SB-845	SB-845	SB-845	SB-846	SB-846	SB-846	SB-846
SAMPLE ID			E-SB-844-07	E-SB-844-09	E-SB-845-03	E-SB-845-05	E-SB-845-07	E-SB-845-09	E-SB-846-03	E-SB-846-05	E-SB-846-07	E-SB-846-09
SAMPLE DATE			20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH			7	9	3	5	7	9	3	5	7	9
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-847	SB-847	SB-847	SB-847
SAMPLE ID				E-SB-847-03	E-SB-847-05	E-SB-847-07	E-SB-847-09
SAMPLE DATE				20100913	20100913	20100913	20100913
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB
TOP DEPTH				3	5	7	9
BOTTOM DEPTH				3	5	7	9
VOLATILES (UG/KG)							
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)							
AROCLOR-1254	320	110	N[4]	20 U	20 U	20 U	20 U
AROCLOR-1260	320	220	C	60	20 U	20 U	20 U
TOTAL AROCLOR	320 [9]	220	C[10]	60	0 U	0 U	0 U
METALS (MG/KG)							
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][9]	**USEPA Regional Screening Levels (RSLs)** [2][3]	**SB-847 E-SB-847-03 20100913 NORMAL SO NORMAL SB 3 3**	**SB-847 E-SB-847-05 20100913 NORMAL SO NORMAL SB 5 5**	**SB-847 E-SB-847-07 20100913 NORMAL SO NORMAL SB 7 7**	**SB-847 E-SB-847-09 20100913 NORMAL SO NORMAL SB 9 9**
CADMIUM	3.9	7 N	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [3][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-005	SB-005	SB-006	SB-006	SB-009	SB-510	SB-510	SB-510	SB-510	SB-511
SAMPLE ID				SB-5-05	SB-5-10	SB-6-05	SB-6-10	SB-9-05	SB-510-0406	SB-510-0810	SB-510-0810-AVG	SB-510-0810-D	SB-511-0406
SAMPLE DATE				20031120	20031120	20031120	20031120	20031118	20071128	20071128	20071128	20071128	20071129
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	10	5	10	5	4	8	8	8	4
BOTTOM DEPTH				5	10	5	10	5	6	10	10	10	6
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
1,2-DICHLOROBENZENE	700000	190000	N	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
1,2-DICHLOROETHANE	7000	430	C	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
1,3-DICHLOROBENZENE	23000	NC		6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
1,4-DICHLOROBENZENE	27000	2400	C	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
2-BUTANONE	4700000	2800000	N	64 U	68 U	65 U	66 U	NA	12 U	12 U	12 U	12 U	12 U
4-ISOPROPYLTOLUENE	NC	NC		6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
ACETONE	7000000	6100000	N	64 UJ	7 J	7 J	66 UJ	NA	12 U	8.9 J	8.9 J	12 U	12 J
BENZENE	12000	1100	C	6 U	7 U	7 U	7 U	1 U	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
CARBON DISULFIDE	780000	82000	N	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
CARBON TETRACHLORIDE	4900	610	C	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
CHLOROBENZENE	160000	29000	N	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
ISOPROPYLBENZENE	780000	210000	N	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
M+P-XYLENES	1600000 [5]	63000	N[6]	19 U	20 U	19 U	20 U	NA	12 U	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	85000	11000	C	10 J	10 J	9 J	10 J	NA	5.2 B	4.5 B	4.5 U	4.5 B	5.6 B
NAPHTHALENE	160000	3600	C	6 U	7 U	7 U	7 U	1 U	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
N-BUTYLBENZENE	NC	NC		6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
O-XYLENE	1600000 [5]	380000	N	19 U	20 U	19 U	20 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
SEC-BUTYLBENZENE	NC	NC		6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	120 UR	120 UR	120 R	120 UR	120 UR
TETRACHLOROETHENE	1200	550	C	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
TOLUENE	630000	500000	N	6 U	7 U	7 U	7 U	2	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	10	12 U	12 U	12 U	12 U	12 U
TRICHLOROETHENE	1600	2800	C	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
TRICHLOROFLUOROMETHANE	NC	79000	N	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
VINYL CHLORIDE	90	60	C	6 U	7 U	7 U	7 U	NA	5.8 U	5.8 U	5.8 U	5.8 U	5.9 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
CARBAZOLE	32000	NC		420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
DIBENZOFURAN	7800	7800	N	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
ACENAPHTHENE	470000	340000	N	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
ACENAPHTHYLENE	470000	340000	N[7]	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
ANTHRACENE	2300000	1700000	N	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
BAP EQUIVALENT-HALFND	22	15		420 U	450 U	430 U	440 U	NA	380 U	**236**	**230**	**224**	**413**
BAP EQUIVALENT-POS	22	15	C	420 U	450 U	430 U	440 U	NA	380 U	**46**	**38**	**29**	1.9
BENZO(A)ANTHRACENE	220	150	C	420 U	450 U	430 U	440 U	NA	380 UL	34 J	28.5	23 J	8.8 J
BENZO(A)PYRENE	22	15	C	420 U	450 U	430 U	440 U	NA	380 UL	**34 J**	**27.5**	**21 J**	390 U
BENZO(B)FLUORANTHENE	220	150	C	420 U	450 U	430 U	440 U	NA	380 UL	64 J	50.5	37 J	9.8 J
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	420 U	450 U	430 U	440 U	NA	380 UL	27 J	22	17 J	390 U
BENZO(K)FLUORANTHENE	2200	1500	C	420 U	450 U	430 U	440 U	NA	380 UL	18 J	16	14 J	390 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	420 U	450 U	430 U	440 U	NA	380 UL	42 J	32.5	23 J	8.7 J
DIBENZO(A,H)ANTHRACENE	22	15	C	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
FLUORANTHENE	310000	230000	N	420 U	450 U	430 U	440 U	NA	380 UL	78 J	62	46 J	12 J
FLUORENE	310000	230000	N	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
INDENO(1,2,3-CD)PYRENE	220	150	C	420 U	450 U	430 U	440 U	NA	380 UL	24 J	20	16 J	390 U
NAPHTHALENE	160000	3600	C	420 U	450 U	430 U	440 U	NA	380 UL	380 U	385 U	390 U	390 U
PHENANTHRENE	2300000	170000	N[8]	420 U	450 U	430 U	440 U	NA	380 UL	25 J	20	15 J	390 U
PYRENE	230000	170000	N	420 U	450 U	430 U	440 U	NA	380 UL	59 J	46.5	34 J	9.2 J
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	NA	0 U	405	325.5	246	48.5
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	64 U	68 U	65 U	66 U	NA	38 U	38 U	38.5 U	39 U	39 U
AROCLOR-1260	320	220	C	64 U	68 U	65 U	66 U	NA	38 U	16 J	16 J	39 U	16 J
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	0 U	0 U	NA	0 U	16	8	0 U	16
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	3.2 UL	3.4 UL	3.2 UL	3.3 UL	NA	0.13 L	0.17 L	0.155	0.14 L	0.0056 UL
ARSENIC	0.43	0.39	C	**1.4 L**	**1.1 L**	**0.77 L**	**2 L**	NA	0.26 J	0.36 J	0.31	0.26 J	**0.58 J**
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	7.1 K	7.8 K	6.9	6 K	7.7 K
BERYLLIUM	16	16	N	3.2 U	3.4 U	3.2 U	3.3 U	NA	0.42	0.66	0.62	0.58	0.31

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-005	SB-005	SB-006	SB-006	SB-009	SB-510	SB-510	SB-510	SB-510	SB-511
SAMPLE ID			SB-5-05	SB-5-10	SB-6-05	SB-6-10	SB-9-05	SB-510-0406	SB-510-0810	SB-510-0810-AVG	SB-510-0810-D	SB-511-0406
SAMPLE DATE			20031120	20031120	20031120	20031120	20031118	20071128	20071128	20071128	20071128	20071129
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	10	5	10	5	4	8	8	8	4
BOTTOM DEPTH			5	10	5	10	5	6	10	10	10	6
CADMIUM	3.9	7 N	3.2 U	3.4 U	3.2 U	3.3 U	NA	0.018 B	0.03 K	0.01925	0.017 B	0.0075 B
CHROMIUM	12000 [11]	12000 N[11]	4.8 B	3.8 B	9.5 B	22 J	NA	8.5 J	11.7 J	10.9	10.1 J	1.5 J
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	1.2	1.9	1.95	2	0.82
COPPER	310	310 N	3.6	3.4 U	5.4	14	NA	5.5 J	6.7 J	6.75	6.8 J	4.1 J
IRON	5500	5500 N	NA	NA	NA	NA	NA	**15200**	**20900**	**19350**	**17800**	1290
LEAD	400	400	3.2 U	3.4 U	4.8	7.1	NA	1.9 J	1.7 J	1.5	1.3 J	3.2 J
MANGANESE	160	180 N	NA	NA	NA	NA	NA	27.1 L	73.6 J	48.3	23 J	2.2 L
MERCURY	2.3 [12]	2.3 N[13]	0.13 U	0.14 U	0.12 U	0.13 U	NA	0.019 UL	0.019 UL	0.019 U	0.019 UL	0.02 UL
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	0.076 UL	0.16 B	0.135 U	0.11 B	0.077 UL
NICKEL	160	150 N	4.5	4.6	4.8	21	NA	4 J	6.5 J	7.2	7.9 J	1.8 J
SELENIUM	39	39 N	3.2 U	3.4 U	3.6	3.3 U	NA	0.75 L	0.18 UL	0.185 U	0.19 UL	0.2 L
SILVER	39	39 N	3.2 UR	3.4 UR	3.2 UR	3.3 UR	NA	0.061 K	0.069 K	0.067	0.065	0.035
THALLIUM	0.55	NC	2.5 U	2.7 U	2.6 U	2.7 U	NA	0.024 B	0.025 B	0.023 U	0.021 B	0.045 B
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	**13 J**	**15.8 J**	**16.35**	**16.9 J**	2.2 J
ZINC	2300	2300 N	32 U	34 U	32 U	33 U	NA	5.9 B	9.8 B	8.05	11.2	5.2 B
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	25000 U	27000 U	26000 U	27000 U	26000 U	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	130 U	140 U	130 U	130 U	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	4700 B	10000 B	8200 U	6400 B	1600 B
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	78	74	77	75	77	86.9	86.6	86.15	85.7	85.3
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-511	SB-512	SB-512	SB-512	SB-512	SB-513	SB-513	SB-514	SB-514	SB-514
SAMPLE ID				SB-511-0810	SB-512-0406	SB-512-0810	SB-512-0810-AVG	SB-512-0810-D	SB-513-0406	SB-513-0810	SB-514-0406	SB-514-0810	SB-514-0810-AVG
SAMPLE DATE				20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	4	8	8	8	4	8	4	8	8
BOTTOM DEPTH				10	6	10	10	10	6	10	6	10	10
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
1,2,3-TRIMETHYLBENZENE	NC	NC		6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
1,2-DICHLOROBENZENE	700000	190000	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
1,2-DICHLOROETHANE	7000	430	C	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
1,3-DICHLOROBENZENE	23000	NC		6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
1,4-DICHLOROBENZENE	27000	2400	C	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
2-BUTANONE	4700000	2800000	N	13 U	11 U	13 U	13 U	13 U	2.7 J	12 U	9.3 J	12 U	12 U
4-ISOPROPYLTOLUENE	NC	NC		6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
ACETONE	7000000	6100000	N	19 J	11 U	20 J	16	12 J	69 J	26 J	130 J	38 J	43.5
BENZENE	12000	1100	C	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
CARBON DISULFIDE	780000	82000	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
CARBON TETRACHLORIDE	4900	610	C	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
CHLOROBENZENE	160000	29000	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
ISOPROPYLBENZENE	780000	210000	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
M+P-XYLENES	1600000 [5]	63000	N[6]	13 U	11 U	13 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	85000	11000	C	5.7 B	6.2 B	4.8 B	4.75 U	4.7 B	4.4 B	5.5 B	5.9 B	5.8 B	4.5 U
NAPHTHALENE	160000	3600	C	6.3 U	5.7 U	110 J	80.5	51 J	5.9 U	5.8 U	6 U	5.9 U	5.9 U
N-BUTYLBENZENE	NC	NC		6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
O-XYLENE	1600000 [5]	380000	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
SEC-BUTYLBENZENE	NC	NC		6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
TERTIARY-BUTYL ALCOHOL	NC	NC		130 UR	110 UR	130 UR	130 R	130 UR	120 UR	120 UR	120 UR	120 UR	120 R
TETRACHLOROETHENE	1200	550	C	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
TOLUENE	630000	500000	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
TOTAL XYLENES	1600000 [5]	63000	N	13 U	11 U	13 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U
TRICHLOROETHENE	1600	2800	C	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
TRICHLOROFLUOROMETHANE	NC	79000	N	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
VINYL CHLORIDE	90	60	C	6.3 U	5.7 U	6.3 U	6.3 U	6.3 U	5.9 U	5.8 U	6 U	5.9 U	5.9 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	410 U	380 U	410 U	415 U	420 U	390 U	390 U	400 U	28 J	26
CARBAZOLE	32000	NC		410 U	380 U	410 U	415 U	420 U	390 U	390 U	400 U	390 U	390 U
DIBENZOFURAN	7800	7800	N	410 U	380 U	410 U	91 J	91 J	390 U	390 U	400 U	390 U	390 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	410 U	380 U	410 U	63 J	63 J	390 U	390 U	400 U	390 U	390 U
ACENAPHTHENE	470000	340000	N	410 U	380 U	410 U	35 J	35 J	390 U	390 U	400 U	390 U	390 U
ACENAPHTHYLENE	470000	340000	N[7]	410 U	380 U	410 U	18 J	18 J	390 U	390 U	400 U	390 U	390 U
ANTHRACENE	2300000	1700000	N	410 U	380 U	410 U	58 J	58 J	390 U	390 U	400 U	390 U	390 U
BAP EQUIVALENT-HALFND	22	15		410 U	380 U	303	379	456	432	390 U	400 U	390 U	390 U
BAP EQUIVALENT-POS	22	15	C	410 U	380 U	96	276	456	1	390 U	400 U	390 U	390 U
BENZO(A)ANTHRACENE	220	150	C	410 U	380 U	63 J	171.5	280 J	390 U	390 U	400 U	390 U	390 U
BENZO(A)PYRENE	22	15	C	410 U	380 U	75 J	192.5	310 J	390 U	390 U	400 U	390 U	390 U
BENZO(B)FLUORANTHENE	220	150	C	410 U	380 U	98 J	234	370 J	10 J	390 U	400 U	390 U	390 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	410 U	380 U	68 J	159	250 J	390 U	390 U	400 U	390 U	390 U
BENZO(K)FLUORANTHENE	2200	1500	C	410 U	380 U	410 U	150 J	150 J	390 U	390 U	400 U	390 U	390 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	410 U	380 U	79 J	219.5	360 J	390 U	390 U	400 U	390 U	390 U
DIBENZO(A,H)ANTHRACENE	22	15	C	410 U	380 U	410 U	61 J	61 J	390 U	390 U	400 U	390 U	390 U
FLUORANTHENE	310000	230000	N	9.2 J	380 U	120 J	360	600 J	390 U	390 U	400 U	390 U	390 U
FLUORENE	310000	230000	N	410 U	380 U	410 U	17 J	17 J	390 U	390 U	400 U	390 U	390 U
INDENO(1,2,3-CD)PYRENE	220	150	C	410 U	380 U	48 J	114	180 J	390 U	390 U	400 U	390 U	390 U
NAPHTHALENE	160000	3600	C	410 U	380 U	410 U	65 J	65 J	390 U	390 U	400 U	390 U	390 U
PHENANTHRENE	2300000	170000	N[8]	410 U	380 U	90 J	320	550 J	390 U	390 U	400 U	390 U	390 U
PYRENE	230000	170000	N	410 U	380 U	140 J	425	710 J	390 U	390 U	400 U	390 U	390 U
TOTAL PAHS	NC	NC		9.2	0 U	781	2429	4077	10	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	41 U	38 U	41 U	41.5 U	42 U	39 U	39 U	40 U	39 U	39 U
AROCLOR-1260	320	220	C	41 U	38 U	18 J	35.5	53 J	39 U	39 U	40 U	39 U	39 U
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	18	35.5	53	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.006 UL	0.15 L	0.083 L	0.1115	0.14 L	0.056 L	0.0056 UL	0.092 L	0.22 L	0.2
ARSENIC	0.43	0.39	C	0.35 J	0.59 J	0.76 J	1.08	1.4 L	2.3 J	0.46 J	0.39 J	1.3 J	0.86
BARIUM	1600	1500	N	6.4 K	12.5 K	17.9 J	25.2	32.5 J	8.9 K	1.9 K	12.4 K	11.6 K	11.45
BERYLLIUM	16	16	N	0.42	0.96	0.77	0.735	0.7	0.3	0.076	2.7	3.7	3

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-511	SB-512	SB-512	SB-512	SB-512	SB-513	SB-513	SB-514	SB-514	SB-514
SAMPLE ID			SB-511-0810	SB-512-0406	SB-512-0810	SB-512-0810-AVG	SB-512-0810-D	SB-513-0406	SB-513-0810	SB-514-0406	SB-514-0810	SB-514-0810-AVG
SAMPLE DATE			20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE			NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	4	8	8	8	4	8	4	8	8
BOTTOM DEPTH			10	6	10	10	10	6	10	6	10	10
CADMIUM	3.9	7 N	0.011 B	0.019 K	0.55	0.3085	0.067 K	0.009 B	0.0037 B	0.029 K	0.024 K	0.057
CHROMIUM	12000 [11]	12000 N[11]	4 J	8.5 J	8.9 J	9	9.1 J	7.8 J	2.3 J	11.7 J	11.1 J	10.9
COBALT	NC	2.3 N	1	**3**	2.2	2.15	2.1 J	**4**	0.98	**9.1**	**8.8**	**7.65**
COPPER	310	310 N	4.7 J	10.3 J	11.3 J	10.25	9.2 L	3.5 J	1 J	16.1 J	11.7 J	11.05
IRON	5500	5500 N	3240	**15200**	**9820**	**9510**	**9200**	**8600**	2310	**40100**	**51200**	**42200**
LEAD	400	400	2.2 J	3.6 J	8.6 J	8.15	7.7 L	3.2 J	0.71 J	3.5 J	5.6 J	4.6
MANGANESE	160	180 N	4.8 L	33.5 L	68.2 L	107.1	146 J	47 L	8.8 L	**280 L**	**225 L**	**205.5**
MERCURY	2.3 [12]	2.3 N[13]	0.021 UL	0.019 UL	0.021 UL	0.021 U	0.021 UL	0.02 UL	0.019 UL	0.02 UL	0.02 UL	0.02 U
MOLYBDENUM	NC	39 N	0.083 UL	0.08 B	0.28 B	0.295 U	0.31 B	0.094 B	0.077 UL	0.08 UL	0.09 B	0.12 U
NICKEL	160	150 N	2.6 J	11.5 J	8 J	7.4	6.8 L	2.8 J	0.76 J	16.7 J	15.9 J	15.1
SELENIUM	39	39 N	0.2 UL	0.53 L	0.54 L	0.435	0.33 L	0.19 UL	0.19 UL	0.19 UL	0.19 UL	0.19 U
SILVER	39	39 N	0.03	0.066	0.057	0.0635	0.07	0.03	0.0079 B	0.089	0.11 K	0.098
THALLIUM	0.55	NC	0.028 B	0.053 B	0.033 B	0.028 K	0.028 K	0.035 B	0.0052 B	0.041 B	0.061 B	0.041 K
VANADIUM	7.8	39 N[14]	7.5 J	**12.6 J**	**12.4 J**	**13.6**	**14.8 J**	**12.3 J**	3 J	**15.2 J**	**16.5 J**	**13.85**
ZINC	2300	2300 N	7 B	12	13.5	14.6	15.7	9.3 B	5.5 B	35.3	62.3	50
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	7200 B	6100 B	21000 B	16750	23000	8400 B	990 B	9100 B	8300 B	5500 U
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	79.9	87.7	79.7	79.55	79.4	85.2	85.6	82.7	84.4	84.6
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-514	SB-515	SB-515	SB-517	SB-517	SB-518	SB-518	SB-519	SB-519	SB-520
SAMPLE ID				SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0810	SB-518-0406	SB-518-0810	SB-519-0406	SB-519-0810	SB-520-0406
SAMPLE DATE				20071129	20071129	20071129	20071130	20071130	20071130	20071130	20071130	20071130	20071130
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	4	8	4	8	4	8	4	8	4
BOTTOM DEPTH				10	6	10	6	10	6	10	6	10	6
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	5.9 U	0.69 J	0.69 J	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
1,2,3-TRICHLOROBENZENE	NC	4900	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
1,2,3-TRIMETHYLBENZENE	NC	NC		5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	1.1 B	6.5 U	5.8 U	5.8 U	6.1 U
1,2-DICHLOROBENZENE	700000	190000	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
1,2-DICHLOROETHANE	7000	430	C	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
1,3-DICHLOROBENZENE	23000	NC		5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
1,4-DICHLOROBENZENE	27000	2400	C	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
2-BUTANONE	4700000	2800000	N	12 U	12 U	12 U	12 U	12 U	12 U	13 U	12 U	12 U	12 U
4-ISOPROPYLTOLUENE	NC	NC		5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
ACETONE	7000000	6100000	N	49 J	16 J	12 U	12 U	8.4 J	24 J	14 J	9 J	14 J	9.9 J
BENZENE	12000	1100	C	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
CARBON DISULFIDE	780000	82000	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
CARBON TETRACHLORIDE	4900	610	C	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
CHLOROBENZENE	160000	29000	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
CIS-1,2-DICHLOROETHENE	78000	16000	N	5.9 U	9.7	6 J	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
ISOPROPYLBENZENE	780000	210000	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
M+P-XYLENES	1600000 [5]	63000	N[6]	12 U	12 U	12 U	12 U	12 U	12 U	13 U	12 U	12 U	12 U
METHYLENE CHLORIDE	85000	11000	C	3.2 B	5.5 B	4.9 B	4.4 B	3.7 B	4.2 B	5.7 B	6.1 B	5.1 B	5.8 B
NAPHTHALENE	160000	3600	C	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	0.69 B	5.8 U	6.1 U
N-BUTYLBENZENE	NC	NC		5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
O-XYLENE	1600000 [5]	380000	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
SEC-BUTYLBENZENE	NC	NC		5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
TERTIARY-BUTYL ALCOHOL	NC	NC		120 UR	120 UR	120 UR	120 UR	120 UR	120 UR	130 UR	120 UR	120 UR	120 UR
TETRACHLOROETHENE	1200	550	C	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
TOLUENE	630000	500000	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
TOTAL XYLENES	1600000 [5]	63000	N	12 U	12 U	12 U	12 U	12 U	12 U	13 U	12 U	12 U	12 U
TRICHLOROETHENE	1600	2800	C	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
TRICHLOROFLUOROMETHANE	NC	79000	N	5.9 U	6.1 U	6.2 U	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
VINYL CHLORIDE	90	60	C	5.9 U	3.5 J	0.48 J	6.1 U	6.1 U	6 U	6.5 U	5.8 U	5.8 U	6.1 U
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	24 J	400 U	410 U	400 U	30 J	400 U	430 U	380 U	380 U	400 U
CARBAZOLE	32000	NC		390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
DIBENZOFURAN	7800	7800	N	390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
ACENAPHTHENE	470000	340000	N	390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
ACENAPHTHYLENE	470000	340000	N[7]	390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
ANTHRACENE	2300000	1700000	N	390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
BAP EQUIVALENT-HALFND	22	15		390 U	400 U	**455**	400 U	**240**	400 U	430 U	380 U	380 U	400 U
BAP EQUIVALENT-POS	22	15	C	390 U	400 U	1.4	400 U	**40**	400 U	430 U	380 U	380 U	400 U
BENZO(A)ANTHRACENE	220	150	C	390 U	400 U	410 U	400 U	29 J	400 U	430 U	380 U	380 U	400 U
BENZO(A)PYRENE	22	15	C	390 U	400 U	410 U	400 U	**30 J**	400 U	430 U	380 U	380 U	400 U
BENZO(B)FLUORANTHENE	220	150	C	390 U	400 U	14 J	400 U	48 J	400 U	430 U	380 U	380 U	400 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	390 U	400 U	410 U	400 U	21 J	400 U	430 U	380 U	380 U	400 U
BENZO(K)FLUORANTHENE	2200	1500	C	390 U	400 U	410 U	400 U	16 J	400 U	430 U	380 U	380 U	400 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	390 U	400 U	410 U	400 U	32 J	400 U	430 U	380 U	380 U	400 U
DIBENZO(A,H)ANTHRACENE	22	15	C	390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
FLUORANTHENE	310000	230000	N	390 U	400 U	410 U	400 U	57 J	400 U	430 U	380 U	380 U	400 U
FLUORENE	310000	230000	N	390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
INDENO(1,2,3-CD)PYRENE	220	150	C	390 U	400 U	410 U	400 U	17 J	400 U	430 U	380 U	380 U	400 U
NAPHTHALENE	160000	3600	C	390 U	400 U	410 U	400 U	400 U	400 U	430 U	380 U	380 U	400 U
PHENANTHRENE	2300000	170000	N[8]	390 U	400 U	410 U	400 U	25 J	400 U	430 U	380 U	380 U	400 U
PYRENE	230000	170000	N	390 U	400 U	410 U	400 U	48 J	400 U	430 U	380 U	380 U	400 U
TOTAL PAHS	NC	NC		0 U	0 U	14	0 U	323	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	39 U	40 U	41 U	40 U	40 U	40 U	43 U	38 U	38 U	40 U
AROCLOR-1260	320	220	C	39 U	40 U	19 J	40 U	190	40 U	43 U	38 U	38 U	40 U
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	19	0 U	190	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.18 J	0.17 J	0.11 B	0.26 J	0.2 L	0.21 J	0.037 B	0.18 J	0.078 B	0.082 B
ARSENIC	0.43	0.39	C	**0.42 L**	**0.62 L**	0.22 L	**0.55 L**	**0.75 L**	**2.2 L**	**0.43 L**	**0.61 L**	**1.2 L**	**1.2 L**
BARIUM	1600	1500	N	11.3	7.8	10.4	8.2	12.9	13.3	4.3	10.9	1.6	9
BERYLLIUM	16	16	N	2.3	3.3	4.4	2.4	1.5	1.4	0.48	1.2	0.65	1.9

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-514	SB-515	SB-515	SB-517	SB-517	SB-518	SB-518	SB-519	SB-519	SB-520
SAMPLE ID				SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0810	SB-518-0406	SB-518-0810	SB-519-0406	SB-519-0810	SB-520-0406
SAMPLE DATE				20071129	20071129	20071129	20071130	20071130	20071130	20071130	20071130	20071130	20071130
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	4	8	4	8	4	8	4	8	4
BOTTOM DEPTH				10	6	10	6	10	6	10	6	10	6
CADMIUM	3.9	7	N	0.09 K	0.012 B	0.02 K	0.019 K	0.12 K	0.15 K	0.0051 B	0.037 K	0.0092 B	0.031 K
CHROMIUM	12000 [11]	12000	N[11]	10.7 J	9.1 J	10.6 J	7.7 J	11.3 J	13.2 J	4.4 J	7.7 J	4.5 J	9.4 J
COBALT	NC	2.3	N	**6.5 J**	**4.3 J**	**6.2 J**	**4.9 J**	**4.6 J**	**3.7 J**	**2.8 J**	**2.8 J**	1.6 J	**5.3 J**
COPPER	310	310	N	10.4 L	28.7 L	11.2 L	14.7 L	15.2 L	16.2 L	6.7 L	10.2 L	12.4 L	7.5 L
IRON	5500	5500	N	**33200**	**28700**	**22600**	**28700**	**18400**	**23400**	**8620**	**18300**	**9720**	**14200**
LEAD	400	400		3.6 L	2.8 L	3.2 L	3.5 L	7.9 L	4 L	2 L	3.4 L	1.2 L	3.6 L
MANGANESE	160	180	N	**186 L**	106 L	**277 L**	93.3 L	53 L	45.5 L	28.1 L	26.1 L	21.3 L	41.7 L
MERCURY	2.3 [12]	2.3	N[13]	0.02 UL	0.02 UL	0.021 UL	0.02 UL	0.02 UL	0.02 UL	0.022 UL	0.019 UL	0.019 UL	0.02 UL
MOLYBDENUM	NC	39	N	0.15 B	0.16 B	0.083 B	0.08 UL	0.3 B	0.19 B	0.086 UL	0.093 B	0.089 B	0.094 B
NICKEL	160	150	N	14.3 L	18.7 L	11.9 L	16.3 L	11.2 L	9.3 L	3.8 L	9.7 L	2.6 L	14.4 L
SELENIUM	39	39	N	0.19 UL	0.19 UL	0.2 UL	1.8 L	0.58 L	0.61 L	0.21 UL	0.57 L	0.19 UL	0.23 L
SILVER	39	39	N	0.086 K	0.087 K	0.079	0.12	0.073	0.088	0.036	0.087	0.047	0.067
THALLIUM	0.55	NC		0.041 K	0.034 K	0.038 K	0.046 K	0.035 K	0.048 K	0.02 B	0.043 K	0.008 B	0.042 K
VANADIUM	7.8	39	N[14]	**11.2 J**	**13.5 J**	**11.5 J**	**12.7 J**	**15.1 J**	**21.1 J**	6.9 J	**11.5 J**	5.1 J	**16.6 J**
ZINC	2300	2300	N	37.7	58	28.6	19.1	41.3	26.7	19.8	20.2	13.1	30.4
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		2700 B	2000 B	2200 B	1600 B	1800 B	1800 B	1700 B	1500 B	1300 B	1300 B
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		84.8	82.6	80.8	82.5	82.6	83.1	76.9	86.1	86.2	82.4
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-520	SB-541A	SB-542	SB-542	SB-543A	SB-543A	SB-545	SB-547	SB-547	SB-548
SAMPLE ID				SB-520-0810	SB-541A-4	SB-542-3	SB-542-4	SB-543A-3	SB-543A-4	SB-545-4	SB-547-3	SB-547-4	SB-548-3
SAMPLE DATE				20071130	20081111	20081023	20081023	20081111	20081111	20081023	20081021	20081021	20081023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	4	3	4	3	4	4	3	4	3
BOTTOM DEPTH				10	4	3	4	3	4	4	3	4	3
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	0.48 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	5.1 B	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		120 UR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	29	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**424**	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	8.6 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	12 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	9.2 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	15 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	400 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	12 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		56.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	40 U	20 U	20 U	20 U	19 U	19 U	20 U	NA	NA	19 U
AROCLOR-1260	320	220	C	40 U	20 U	20 U	20 U	19 U	19 U	20 U	NA	NA	19 U
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	NA	NA	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.13 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	**1.3 L**	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	6.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION			SB-520	SB-541A	SB-542	SB-542	SB-543A	SB-543A	SB-545	SB-547	SB-547	SB-548
SAMPLE ID			SB-520-0810	SB-541A-4	SB-542-3	SB-542-4	SB-543A-3	SB-543A-4	SB-545-4	SB-547-3	SB-547-4	SB-548-3
SAMPLE DATE			20071130	20081111	20081023	20081023	20081111	20081111	20081023	20081021	20081021	20081023
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	4	3	4	3	4	4	3	4	3
BOTTOM DEPTH			10	4	3	4	3	4	4	3	4	3
CADMIUM	3.9	7 N	0.031 K	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (11)	12000 N(11)	6.6 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	**3.6 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	8.4 L	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	**13500**	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	2.5 L	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	32 L	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (12)	2.3 N(13)	0.02 UL	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	0.14 B	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	8.3 L	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	0.19 UL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	0.049	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	0.021 K	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(14)	**13.2 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	21	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	1100 B	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	82.9	NA	84	82	NA	NA	84	87	85	86
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-548	SB-550A	SB-550A	SB-554	SB-554	SB-555	SB-555	SB-555	SB-555A	SB-556
SAMPLE ID				SB-548-4	SB-550A-3	SB-550A-4	SB-554-3	SB-554-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-556-4
SAMPLE DATE				20081023	20081111	20081111	20081021	20081021	20081021	20081021	20081021	20081111	20081021
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	3	4	3	4	4	6	8	10	4
BOTTOM DEPTH				4	3	4	3	4	4	6	8	10	4
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	19 U	20 U	20 U	NA	NA	9800	18 U	19 U	20 U	NA
AROCLOR-1260	320	220	C	19 U	20 U	20 U	NA	NA	7800	18 U	250	20 U	NA
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	0 U	NA	NA	17600	0 U	250	0 U	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-548	SB-550A	SB-550A	SB-554	SB-554	SB-555	SB-555	SB-555	SB-555A	SB-556
SAMPLE ID			SB-548-4	SB-550A-3	SB-550A-4	SB-554-3	SB-554-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-556-4
SAMPLE DATE			20081023	20081111	20081111	20081021	20081021	20081021	20081021	20081021	20081111	20081021
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	3	4	3	4	4	6	8	10	4
BOTTOM DEPTH			4	3	4	3	4	4	6	8	10	4
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	88	84	81	86	85	91	92	87	82	83
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-556	SB-556	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559
SAMPLE ID				SB-556-6	SB-556-8	SB-557-4	SB-557-6	SB-557-8	SB-558-4	SB-558-6	SB-558-8	SB-559-4	SB-559-6
SAMPLE DATE				20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				6	8	4	6	8	4	6	8	4	6
BOTTOM DEPTH				6	8	4	6	8	4	6	8	4	6
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	NA	NA	27	NA	NA	19 U	NA	NA	18 U	19 U
AROCLOR-1260	320	220	C	NA	NA	18 U	NA	NA	140	NA	NA	18 U	19 U
TOTAL AROCLOR	320 [9]	220	C[10]	NA	NA	27	NA	NA	140	NA	NA	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-556	SB-556	SB-557	SB-557	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559
SAMPLE ID			SB-556-6	SB-556-8	SB-557-4	SB-557-6	SB-557-8	SB-558-4	SB-558-6	SB-558-8	SB-559-4	SB-559-6
SAMPLE DATE			20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			6	8	4	6	8	4	6	8	4	6
BOTTOM DEPTH			6	8	4	6	8	4	6	8	4	6
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	85	86	91	86	86	87	86	81	94	88
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-559	SB-560	SB-561	SB-561	SB-561	SB-561A	SB-561A	SB-562	SB-562	SB-562
SAMPLE ID				SB-559-8	SB-560-4	SB-561-4	SB-561-6	SB-561-8	SB-561A-6	SB-561A-8	SB-562-4	SB-562-6	SB-562-8
SAMPLE DATE				20081022	20081022	20081021	20081021	20081021	20081111	20081111	20081021	20081021	20081021
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	4	4	6	8	6	8	4	6	8
BOTTOM DEPTH				8	4	4	6	8	6	8	4	6	8
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	19 U	19 U	NA	18 U	19 U	19 U	19 U	NA	NA	NA
AROCLOR-1260	320	220	C	19 U	19 U	NA	18 U	180	19 U	19 U	NA	NA	NA
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	0 U	NA	0 U	180	0 U	0 U	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-559	SB-560	SB-561	SB-561	SB-561	SB-561A	SB-561A	SB-562	SB-562	SB-562
SAMPLE ID			SB-559-8	SB-560-4	SB-561-4	SB-561-6	SB-561-8	SB-561A-6	SB-561A-8	SB-562-4	SB-562-6	SB-562-8
SAMPLE DATE			20081022	20081022	20081021	20081021	20081021	20081111	20081111	20081021	20081021	20081021
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	4	4	6	8	6	8	4	6	8
BOTTOM DEPTH			8	4	4	6	8	6	8	4	6	8
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	87	89	89	91	88	87	88	89	86	87
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-563	SB-563	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566	SB-567	SB-568
SAMPLE ID				SB-563-4	SB-563-6	SB-563-8	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8	SB-567-4	SB-568-4
SAMPLE DATE				20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081023	20081021
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	6	8	4	4	4	6	8	4	4
BOTTOM DEPTH				4	6	8	4	4	4	6	8	4	4
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	20 U	NA	NA	19 U	19 U	95 U	20 U	20 U	19 U	19 U
AROCLOR-1260	320	220	C	20 U	NA	NA	19 U	19 U	**700**	20 U	20 U	19 U	89 J
TOTAL AROCLOR	320 [9]	220	C[10]	0 U	NA	NA	0 U	0 U	**700**	0 U	0 U	0 U	89
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-563	SB-563	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566	SB-567	SB-568
SAMPLE ID			SB-563-4	SB-563-6	SB-563-8	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8	SB-567-4	SB-568-4
SAMPLE DATE			20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081023	20081021
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	6	8	4	4	4	6	8	4	4
BOTTOM DEPTH			4	6	8	4	4	4	6	8	4	4
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	84	86	86	86	90	88	82	83	89	88
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-568	SB-568	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569	SB-569	SB-569
SAMPLE ID				SB-568-4-AVG	SB-568-4-D	SB-568-6	SB-568-8	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4	SB-569-6	SB-569-8
SAMPLE DATE				20081021	20081021	20081021	20081021	20081111	20081111	20081111	20081022	20081022	20081022
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	4	6	8	10	6	8	4	6	8
BOTTOM DEPTH				4	4	6	8	10	6	8	4	6	8
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[4]	19 U	19 U	NA	NA	20 U	19 U	19 U	380 U	20 U	19 U
AROCLOR-1260	320	220	C	66	43 J	NA	NA	20 U	19 U	19 U	4000	33	300
TOTAL AROCLOR	320 [9]	220	C[10]	66	43	NA	NA	0 U	0 U	0 U	4000	33	300
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-568	SB-568	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569	SB-569	SB-569
SAMPLE ID			SB-568-4-AVG	SB-568-4-D	SB-568-6	SB-568-8	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4	SB-569-6	SB-569-8
SAMPLE DATE			20081021	20081021	20081021	20081021	20081111	20081111	20081111	20081022	20081022	20081022
SAMPLE CODE			AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	4	6	8	10	6	8	4	6	8
BOTTOM DEPTH			4	4	6	8	10	6	8	4	6	8
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	87.5	87	88	88	85	87	90	88	83	87
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-570	SB-570	SB-570	SB-570A	SB-570A	SB-570A	SB-571
SAMPLE ID				SB-570-4	SB-570-6	SB-570-8	SB-570A-10	SB-570A-6	SB-570A-8	SB-571-4
SAMPLE DATE				20081022	20081022	20081022	20081111	20081111	20081111	20081023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	6	8	10	6	8	4
BOTTOM DEPTH				4	6	8	10	6	8	4
VOLATILES (UG/KG)										
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NC	4900	N	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	78000	6200	N[4]	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	700000	190000	N	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	7000	430	C	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	23000	NC		NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	27000	2400	C	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	4900	610	C	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	160000	29000	N	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [5]	63000	N[6]	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [5]	380000	N	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1200	550	C	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [5]	63000	N	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	90	60	C	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[7]	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[8]	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1254	320	110	N[4]	36 U	NA	NA	18 U	19 U	19 U	18 U
AROCLOR-1260	320	220	C	**390**	NA	NA	34	19 U	19 U	18 U
TOTAL AROCLOR	320 [9]	220	C[10]	**390**	NA	NA	34	0 U	0 U	0 U
METALS (MG/KG)										
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA

Table A-10
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-570	SB-570	SB-570	SB-570A	SB-570A	SB-570A	SB-571
SAMPLE ID				SB-570-4	SB-570-6	SB-570-8	SB-570A-10	SB-570A-6	SB-570A-8	SB-571-4
SAMPLE DATE				20081022	20081022	20081022	20081111	20081111	20081111	20081023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	6	8	10	6	8	4
BOTTOM DEPTH				4	6	8	10	6	8	4
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [11]	12000	N[11]	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [12]	2.3	N[13]	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[14]	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC		92	86	88	94	88	90	90
MISCELLANEOUS PARAMETERS (MG/KG)										
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
5 - The value is for xylenes.
6 - The value is for xylene, mixture.
7 - The value for acenaphthene is used as a surrogate for acenaphthylene.
8 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
9 - The value is for PCB (total).
10 - The value is for polychlorinated biphenyls (high risk).
11 - The value is for trivalent chromium.
12 - The value is for mercury (inorganic/mercuric dichloride).
13 - The value is for mercuric chloride.
14 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-503	SB-555A	SB-555A	SB-555A	SB-570A	SB-570A	SB-570A
SAMPLE ID	SB-503-1012	SB-555A-12	SB-555A-14	SB-555A-16	SB-570A-12	SB-570A-14	SB-570A-16
SAMPLE DATE	20071127	20081111	20081111	20081111	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	12	14	16	12	14	16
BOTTOM DEPTH	12	12	14	16	12	14	16
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	5.9 U	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	5.9 U	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	5.9 U	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5.9 U	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	5.9 U	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	5.9 U	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	5.9 U	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	5.9 U	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	12 U	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	5.9 U	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	5.9 U	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	5.9 U	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	5.9 U	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5.9 U	NA	NA	NA	NA	NA	NA
2-BUTANONE	12 U	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	12 U	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	5.9 U	NA	NA	NA	NA	NA	NA
2-HEXANONE	12 U	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	5.9 U	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	5.9 U	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	12 U	NA	NA	NA	NA	NA	NA
ACETONE	45 J	NA	NA	NA	NA	NA	NA
BENZENE	5.9 U	NA	NA	NA	NA	NA	NA
BROMOBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	5.9 U	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	5.9 U	NA	NA	NA	NA	NA	NA
BROMOFORM	5.9 U	NA	NA	NA	NA	NA	NA
BROMOMETHANE	5.9 U	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	5.9 U	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	5.9 U	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	5.9 U	NA	NA	NA	NA	NA	NA
CHLOROETHANE	5.9 U	NA	NA	NA	NA	NA	NA
CHLOROFORM	5.9 U	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	5.9 U	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	5.9 U	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	5.9 U	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	5.9 U	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	5.9 U	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	12 U	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	5.9 U	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	5.9 U	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
M+P-XYLENES	12 U	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	12 U	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	2.7 B	NA	NA	NA	NA	NA	NA
NAPHTHALENE	5.9 U	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
O-XYLENE	5.9 U	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
STYRENE	5.9 U	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	5.9 U	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	5.9 U	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	120 UR	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	5.9 U	NA	NA	NA	NA	NA	NA
TOLUENE	5.9 U	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	12 U	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	5.9 U	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	5.9 U	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-503	SB-555A	SB-555A	SB-555A	SB-570A	SB-570A	SB-570A
SAMPLE ID	SB-503-1012	SB-555A-12	SB-555A-14	SB-555A-16	SB-570A-12	SB-570A-14	SB-570A-16
SAMPLE DATE	20071127	20081111	20081111	20081111	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	12	14	16	12	14	16
BOTTOM DEPTH	12	12	14	16	12	14	16
TRICHLOROETHENE	5.9 U	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	5.9 U	NA	NA	NA	NA	NA	NA
VINYL ACETATE	12 U	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	5.9 U	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	390 U	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	390 U	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	390 U	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	390 U	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	390 U	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	390 U	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	780 U	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	390 U	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	390 U	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	390 U	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	390 U	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	390 U	NA	NA	NA	NA	NA	NA
2-NITROANILINE	780 U	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	390 U	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	390 U	NA	NA	NA	NA	NA	NA
3-NITROANILINE	780 U	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	390 U	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	390 U	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	390 U	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	390 U	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	390 U	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	390 U	NA	NA	NA	NA	NA	NA
4-NITROANILINE	390 U	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	780 U	NA	NA	NA	NA	NA	NA
ACETOPHENONE	79 U	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	390 U	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	390 U	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	390 U	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	390 U	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	390 U	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	390 U	NA	NA	NA	NA	NA	NA
CAPROLACTAM	390 U	NA	NA	NA	NA	NA	NA
CARBAZOLE	390 U	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	390 U	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	390 U	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	390 U	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	390 U	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	390 U	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	390 U	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	390 U	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	390 U	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	390 U	NA	NA	NA	NA	NA	NA
ISOPHORONE	390 U	NA	NA	NA	NA	NA	NA
NITROBENZENE	390 U	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	390 U	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	390 U	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	390 U	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	390 U	NA	NA	NA	NA	NA	NA
PHENOL	390 U	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	390 U	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	390 U	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	390 U	NA	NA	NA	NA	NA	NA
ANTHRACENE	390 U	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	390 U	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	390 U	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	390 U	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-503	SB-555A	SB-555A	SB-555A	SB-570A	SB-570A	SB-570A
SAMPLE ID	SB-503-1012	SB-555A-12	SB-555A-14	SB-555A-16	SB-570A-12	SB-570A-14	SB-570A-16
SAMPLE DATE	20071127	20081111	20081111	20081111	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	12	14	16	12	14	16
BOTTOM DEPTH	12	12	14	16	12	14	16
BENZO(A)PYRENE	390 U	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	390 U	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	390 U	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	390 U	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-503	SB-555A	SB-555A	SB-555A	SB-570A	SB-570A	SB-570A
SAMPLE ID	SB-503-1012	SB-555A-12	SB-555A-14	SB-555A-16	SB-570A-12	SB-570A-14	SB-570A-16
SAMPLE DATE	20071127	20081111	20081111	20081111	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	12	14	16	12	14	16
BOTTOM DEPTH	12	12	14	16	12	14	16
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	390 U	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	390 U	NA	NA	NA	NA	NA	NA
FLUORANTHENE	390 U	NA	NA	NA	NA	NA	NA
FLUORENE	390 U	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	390 U	NA	NA	NA	NA	NA	NA
NAPHTHALENE	390 U	NA	NA	NA	NA	NA	NA
PHENANTHRENE	390 U	NA	NA	NA	NA	NA	NA
PYRENE	390 U	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	93 U	20 U	20 U	19 U	20 U	20 U
AROCLOR-1221	39 U	93 U	20 U	20 U	19 U	20 U	20 U
AROCLOR-1232	39 U	93 U	20 U	20 U	19 U	20 U	20 U
AROCLOR-1242	39 U	93 U	20 U	20 U	19 U	20 U	20 U
AROCLOR-1248	39 U	93 U	20 U	20 U	19 U	20 U	20 U
AROCLOR-1254	39 U	93 U	20 U	20 U	19 U	20 U	20 U
AROCLOR-1260	39 U	710	38 J	20 U	19 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	710	38	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	0.26 K	NA	NA	NA	NA	NA	NA
ARSENIC	1.7	NA	NA	NA	NA	NA	NA
BARIUM	12.8	NA	NA	NA	NA	NA	NA
BERYLLIUM	1.5	NA	NA	NA	NA	NA	NA
CADMIUM	0.043 K	NA	NA	NA	NA	NA	NA
CHROMIUM	14.1 J	NA	NA	NA	NA	NA	NA
COBALT	3.3	NA	NA	NA	NA	NA	NA
COPPER	12.4 J	NA	NA	NA	NA	NA	NA
IRON	34200	NA	NA	NA	NA	NA	NA
LEAD	5.8 J	NA	NA	NA	NA	NA	NA
MANGANESE	69.9	NA	NA	NA	NA	NA	NA
MERCURY	0.02 U	NA	NA	NA	NA	NA	NA
MOLYBDENUM	0.22 B	NA	NA	NA	NA	NA	NA
NICKEL	12.1	NA	NA	NA	NA	NA	NA
SELENIUM	0.8	NA	NA	NA	NA	NA	NA
SILVER	0.1 K	NA	NA	NA	NA	NA	NA
THALLIUM	0.056 K	NA	NA	NA	NA	NA	NA
VANADIUM	17.4 J	NA	NA	NA	NA	NA	NA
ZINC	17.5	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	1100 J	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	84.3	89	NA	NA	86	85	84

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-503	SB-555A	SB-555A	SB-555A	SB-570A	SB-570A	SB-570A
SAMPLE ID	SB-503-1012	SB-555A-12	SB-555A-14	SB-555A-16	SB-570A-12	SB-570A-14	SB-570A-16
SAMPLE DATE	20071127	20081111	20081111	20081111	20081111	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	12	14	16	12	14	16
BOTTOM DEPTH	12	12	14	16	12	14	16
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820
SAMPLE ID	E-SB-818-11	E-SB-818-13	E-SB-818-15	E-SB-819-11	E-SB-819-13	E-SB-819-15	E-SB-820-11	E-SB-820-13	E-SB-820-15
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820
SAMPLE ID	E-SB-818-11	E-SB-818-13	E-SB-818-15	E-SB-819-11	E-SB-819-13	E-SB-819-15	E-SB-820-11	E-SB-820-13	E-SB-820-15
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820
SAMPLE ID	E-SB-818-11	E-SB-818-13	E-SB-818-15	E-SB-819-11	E-SB-819-13	E-SB-819-15	E-SB-820-11	E-SB-820-13	E-SB-820-15
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820
SAMPLE ID	E-SB-818-11	E-SB-818-13	E-SB-818-15	E-SB-819-11	E-SB-819-13	E-SB-819-15	E-SB-820-11	E-SB-820-13	E-SB-820-15
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	24 U	28 U	25 U	26 U	25 U	24 U	26 U	25 U
AROCLOR-1221	19 U	18 U	22 U	19 U	20 U	19 U	18 U	19 U	19 U
AROCLOR-1232	16 U	16 U	19 U	17 U	17 U	16 U	16 U	17 U	17 U
AROCLOR-1242	15 U	15 U	18 U	15 U	16 U	15 U	15 U	16 U	16 U
AROCLOR-1248	20 U	20 U	23 U	20 U	21 U	20 U	19 U	21 U	20 U
AROCLOR-1254	20 U	20 U	23 U	20 U	21 U	20 U	19 U	21 U	20 U
AROCLOR-1260	20 U	20 U	23 U	20 U	21 U	20 U	19 U	21 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-820	SB-820	SB-820
SAMPLE ID	E-SB-818-11	E-SB-818-13	E-SB-818-15	E-SB-819-11	E-SB-819-13	E-SB-819-15	E-SB-820-11	E-SB-820-13	E-SB-820-15
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-821-11	E-SB-821-13	E-SB-821-15	E-SB-822-11	E-SB-822-13	E-SB-822-15	E-SB-824-11	E-SB-824-13	E-SB-824-15
SAMPLE DATE	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-821-11	E-SB-821-13	E-SB-821-15	E-SB-822-11	E-SB-822-13	E-SB-822-15	E-SB-824-11	E-SB-824-13	E-SB-824-15
SAMPLE DATE	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-821-11	E-SB-821-13	E-SB-821-15	E-SB-822-11	E-SB-822-13	E-SB-822-15	E-SB-824-11	E-SB-824-13	E-SB-824-15
SAMPLE DATE	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-821-11	E-SB-821-13	E-SB-821-15	E-SB-822-11	E-SB-822-13	E-SB-822-15	E-SB-824-11	E-SB-824-13	E-SB-824-15
SAMPLE DATE	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	25 U	26 U	24 U	28 U	25 U	25 U	26 U	25 U
AROCLOR-1221	19 U	19 U	20 U	19 U	22 U	19 U	19 U	20 U	19 U
AROCLOR-1232	16 U	17 U	17 U	16 U	19 U	17 U	17 U	17 U	17 U
AROCLOR-1242	15 U	16 U	16 U	15 U	18 U	15 U	16 U	16 U	15 U
AROCLOR-1248	20 U	20 U	21 U	20 U	23 U	20 U	21 U	21 U	20 U
AROCLOR-1254	20 U	20 U	21 U	20 U	23 U	20 U	21 U	21 U	20 U
AROCLOR-1260	20 U	20 U	21 U	20 U	23 U	20 U	21 U	21 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-824	SB-824	SB-824
SAMPLE ID	E-SB-821-11	E-SB-821-13	E-SB-821-15	E-SB-822-11	E-SB-822-13	E-SB-822-15	E-SB-824-11	E-SB-824-13	E-SB-824-15
SAMPLE DATE	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827
SAMPLE ID	E-SB-825-11	E-SB-825-13	E-SB-825-15	E-SB-826-11	E-SB-826-13	E-SB-826-15	E-SB-827-11	E-SB-827-13	E-SB-827-15
SAMPLE DATE	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827
SAMPLE ID	E-SB-825-11	E-SB-825-13	E-SB-825-15	E-SB-826-11	E-SB-826-13	E-SB-826-15	E-SB-827-11	E-SB-827-13	E-SB-827-15
SAMPLE DATE	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827
SAMPLE ID	E-SB-825-11	E-SB-825-13	E-SB-825-15	E-SB-826-11	E-SB-826-13	E-SB-826-15	E-SB-827-11	E-SB-827-13	E-SB-827-15
SAMPLE DATE	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827
SAMPLE ID	E-SB-825-11	E-SB-825-13	E-SB-825-15	E-SB-826-11	E-SB-826-13	E-SB-826-15	E-SB-827-11	E-SB-827-13	E-SB-827-15
SAMPLE DATE	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	85 U
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	27 U	26 U	26 U	25 U	25 U	25 U	1300 UJ	53 U
AROCLOR-1221	19 U	20 U	20 U	20 U	19 U	19 U	19 U	1000 UJ	41 U
AROCLOR-1232	17 U	18 U	17 U	17 U	17 U	17 U	17 U	890 UJ	36 U
AROCLOR-1242	15 U	16 U	16 U	16 U	15 U	16 U	16 U	830 UJ	33 U
AROCLOR-1248	20 U	22 U	21 U	21 U	20 U	20 U	20 U	1100 UJ	43 U
AROCLOR-1254	20 U	22 U	21 U	21 U	20 U	20 U	20 U	1100 UJ	43 U
AROCLOR-1260	20 U	22 U	21 U	21 U	20 U	20 U	20 U	15000 J	180 J
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	15000	180
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-825	SB-825	SB-825	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827
SAMPLE ID	E-SB-825-11	E-SB-825-13	E-SB-825-15	E-SB-826-11	E-SB-826-13	E-SB-826-15	E-SB-827-11	E-SB-827-13	E-SB-827-15
SAMPLE DATE	20100913	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-828	SB-828	SB-828	SB-829	SB-829	SB-829	SB-830	SB-830	SB-830
SAMPLE ID	E-SB-828-11	E-SB-828-13	E-SB-828-15	E-SB-829-11	E-SB-829-13	E-SB-829-15	E-SB-830-11	E-SB-830-11-AVG	E-SB-830-11-D
SAMPLE DATE	20100916	20100916	20100916	20100917	20100917	20100917	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-828	SB-828	SB-828	SB-829	SB-829	SB-829	SB-830	SB-830	SB-830
SAMPLE ID	E-SB-828-11	E-SB-828-13	E-SB-828-15	E-SB-829-11	E-SB-829-13	E-SB-829-15	E-SB-830-11	E-SB-830-11-AVG	E-SB-830-11-D
SAMPLE DATE	20100916	20100916	20100916	20100917	20100917	20100917	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-828	SB-828	SB-828	SB-829	SB-829	SB-829	SB-830	SB-830	SB-830
SAMPLE ID	E-SB-828-11	E-SB-828-13	E-SB-828-15	E-SB-829-11	E-SB-829-13	E-SB-829-15	E-SB-830-11	E-SB-830-11-AVG	E-SB-830-11-D
SAMPLE DATE	20100916	20100916	20100916	20100917	20100917	20100917	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	260 J	NA	NA	84 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	220 J	NA	NA	84 U	NA	NA	NA
C1-FLUORENES	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	350 J	NA	NA	84 U	NA	NA	NA
C2-FLUORENES	NA	NA	280 J	NA	NA	84 U	NA	NA	NA
C2-NAPHTHALENES	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	230 J	NA	NA	84 U	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-828	SB-828	SB-828	SB-829	SB-829	SB-829	SB-830	SB-830	SB-830
SAMPLE ID	E-SB-828-11	E-SB-828-13	E-SB-828-15	E-SB-829-11	E-SB-829-13	E-SB-829-15	E-SB-830-11	E-SB-830-11-AVG	E-SB-830-11-D
SAMPLE DATE	20100916	20100916	20100916	20100917	20100917	20100917	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	280 J	NA	NA	84 U	NA	NA	NA
C3-FLUORENES	NA	NA	230 J	NA	NA	84 U	NA	NA	NA
C3-NAPHTHALENES	NA	NA	310 J	NA	NA	84 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	420 J	NA	NA	84 U	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	250 J	NA	NA	84 U	NA	NA	NA
C4-NAPHTHALENES	NA	NA	1600 J	NA	NA	84 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	390 J	NA	NA	84 U	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	120 U	30 U	27 U	27 U	26 U	26 U	25 U	25 U	25 U
AROCLOR-1221	95 U	23 U	21 U	20 U	20 U	20 U	19 U	19 U	19 U
AROCLOR-1232	83 U	20 U	18 U	18 U	17 U	17 U	17 U	17 U	17 U
AROCLOR-1242	77 U	18 U	17 U	17 U	16 U	16 U	16 U	16 U	16 U
AROCLOR-1248	100 U	24 U	22 U	22 U	21 U	21 U	20 U	20 U	20 U
AROCLOR-1254	100 U	24 U	22 U	22 U	21 U	21 U	20 U	20 U	20 U
AROCLOR-1260	280	61	40 J	22 UJ	33 J	21 UJ	20 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	280	61	40	0 U	33	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	3800 J	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	54 U	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-828	SB-828	SB-828	SB-829	SB-829	SB-829	SB-830	SB-830	SB-830
SAMPLE ID	E-SB-828-11	E-SB-828-13	E-SB-828-15	E-SB-829-11	E-SB-829-13	E-SB-829-15	E-SB-830-11	E-SB-830-11-AVG	E-SB-830-11-D
SAMPLE DATE	20100916	20100916	20100916	20100917	20100917	20100917	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831	SB-831	SB-832	SB-832
SAMPLE ID	E-SB-830-13	E-SB-830-15	E-SB-831-11	E-SB-831-13	E-SB-831-15	E-SB-831-15-AVG	E-SB-831-15-D	E-SB-832-11	E-SB-832-13
SAMPLE DATE	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	13
BOTTOM DEPTH	13	15	11	13	15	15	15	11	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831	SB-831	SB-832	SB-832
SAMPLE ID	E-SB-830-13	E-SB-830-15	E-SB-831-11	E-SB-831-13	E-SB-831-15	E-SB-831-15-AVG	E-SB-831-15-D	E-SB-832-11	E-SB-832-13
SAMPLE DATE	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	13
BOTTOM DEPTH	13	15	11	13	15	15	15	11	13
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831	SB-831	SB-832	SB-832
SAMPLE ID	E-SB-830-13	E-SB-830-15	E-SB-831-11	E-SB-831-13	E-SB-831-15	E-SB-831-15-AVG	E-SB-831-15-D	E-SB-832-11	E-SB-832-13
SAMPLE DATE	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	13
BOTTOM DEPTH	13	15	11	13	15	15	15	11	13
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831	SB-831	SB-832	SB-832
SAMPLE ID	E-SB-830-13	E-SB-830-15	E-SB-831-11	E-SB-831-13	E-SB-831-15	E-SB-831-15-AVG	E-SB-831-15-D	E-SB-832-11	E-SB-832-13
SAMPLE DATE	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	13
BOTTOM DEPTH	13	15	11	13	15	15	15	11	13
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	27 U	26 U	25 U	25 U	25 U	24.5 U	24 U	26 U	27 U
AROCLOR-1221	21 U	20 U	19 U	19 U	19 U	18.5 U	18 U	20 U	21 U
AROCLOR-1232	18 U	18 U	17 U	17 U	17 U	16.5 U	16 U	17 U	18 U
AROCLOR-1242	17 U	16 U	16 U	16 U	15 U	15 U	15 U	16 U	17 U
AROCLOR-1248	22 U	21 U	20 U	20 U	20 U	19.5 U	19 U	21 U	22 U
AROCLOR-1254	22 U	21 U	20 U	20 U	20 U	19.5 U	19 U	21 U	22 U
AROCLOR-1260	33 J	21 U	20 U	20 U	20 U	19.5 U	19 U	21 U	22 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	33	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831	SB-831	SB-832	SB-832
SAMPLE ID	E-SB-830-13	E-SB-830-15	E-SB-831-11	E-SB-831-13	E-SB-831-15	E-SB-831-15-AVG	E-SB-831-15-D	E-SB-832-11	E-SB-832-13
SAMPLE DATE	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	13
BOTTOM DEPTH	13	15	11	13	15	15	15	11	13
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-833	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-836
SAMPLE ID	E-SB-832-15	E-SB-833-11	E-SB-834-11	E-SB-834-13	E-SB-834-15	E-SB-835-11	E-SB-835-13	E-SB-835-15	E-SB-836-11
SAMPLE DATE	20100917	20100916	20100916	20100916	20100916	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	11	13	15	11	13	15	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-833	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-836
SAMPLE ID	E-SB-832-15	E-SB-833-11	E-SB-834-11	E-SB-834-13	E-SB-834-15	E-SB-835-11	E-SB-835-13	E-SB-835-15	E-SB-836-11
SAMPLE DATE	20100917	20100916	20100916	20100916	20100916	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	11	13	15	11	13	15	11
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-833	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-836
SAMPLE ID	E-SB-832-15	E-SB-833-11	E-SB-834-11	E-SB-834-13	E-SB-834-15	E-SB-835-11	E-SB-835-13	E-SB-835-15	E-SB-836-11
SAMPLE DATE	20100917	20100916	20100916	20100916	20100916	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	11	13	15	11	13	15	11
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	150 J	NA	NA	88 U	NA	NA	79 U	NA
C1-FLUORANTHENES/PYRENES	NA	250 J	NA	NA	88 U	NA	NA	79 U	NA
C1-FLUORENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C1-PHENANTHRENES/ANTHRACENES	NA	120 J	NA	NA	88 U	NA	NA	79 U	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C2-FLUORENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C2-NAPHTHALENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C2-PHENANTHRENES/ANTHRACENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-833	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-836
SAMPLE ID	E-SB-832-15	E-SB-833-11	E-SB-834-11	E-SB-834-13	E-SB-834-15	E-SB-835-11	E-SB-835-13	E-SB-835-15	E-SB-836-11
SAMPLE DATE	20100917	20100916	20100916	20100916	20100916	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	11	13	15	11	13	15	11
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C3-FLUORENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C3-NAPHTHALENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C3-PHENANTHRENES/ANTHRACENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C4-NAPHTHALENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
C4-PHENANTHRENES/ANTHRACENES	NA	79 U	NA	NA	88 U	NA	NA	79 U	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	27 U	2500 U	27 U	140 U	28 U	24 U	25 U	25 U	24 U
AROCLOR-1221	21 U	1900 U	20 U	110 U	21 U	19 U	19 U	19 U	18 U
AROCLOR-1232	18 U	1600 U	18 U	94 U	18 U	16 U	17 U	17 U	16 U
AROCLOR-1242	17 U	1500 U	17 U	87 U	17 U	15 U	16 U	15 U	15 U
AROCLOR-1248	22 U	2000 U	22 U	110 U	22 U	20 U	21 U	20 U	20 U
AROCLOR-1254	22 U	2000 U	22 U	110 U	22 U	20 U	21 U	20 U	20 U
AROCLOR-1260	33 J	61000	32 J	350	27 J	20 U	190	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	33	61000	32	350	27	0 U	190	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-832	SB-833	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-836
SAMPLE ID	E-SB-832-15	E-SB-833-11	E-SB-834-11	E-SB-834-13	E-SB-834-15	E-SB-835-11	E-SB-835-13	E-SB-835-15	E-SB-836-11
SAMPLE DATE	20100917	20100916	20100916	20100916	20100916	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	11	13	15	11	13	15	11
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-836	SB-836	SB-837	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838
SAMPLE ID	E-SB-836-13	E-SB-836-15	E-SB-837-11	E-SB-837-13	E-SB-837-13-AVG	E-SB-837-13-D	E-SB-837-15	E-SB-838-11	E-SB-838-13
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	13	13	15	11	13
BOTTOM DEPTH	13	15	11	13	13	13	15	11	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-836	SB-836	SB-837	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838
SAMPLE ID	E-SB-836-13	E-SB-836-15	E-SB-837-11	E-SB-837-13	E-SB-837-13-AVG	E-SB-837-13-D	E-SB-837-15	E-SB-838-11	E-SB-838-13
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	13	13	15	11	13
BOTTOM DEPTH	13	15	11	13	13	13	15	11	13
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-836	SB-836	SB-837	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838
SAMPLE ID	E-SB-836-13	E-SB-836-15	E-SB-837-11	E-SB-837-13	E-SB-837-13-AVG	E-SB-837-13-D	E-SB-837-15	E-SB-838-11	E-SB-838-13
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	13	13	15	11	13
BOTTOM DEPTH	13	15	11	13	13	13	15	11	13
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-836	SB-836	SB-837	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838
SAMPLE ID	E-SB-836-13	E-SB-836-15	E-SB-837-11	E-SB-837-13	E-SB-837-13-AVG	E-SB-837-13-D	E-SB-837-15	E-SB-838-11	E-SB-838-13
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	13	13	15	11	13
BOTTOM DEPTH	13	15	11	13	13	13	15	11	13
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	79 U	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	27 U	25 U	25 U	26 U	25.5 U	25 U	25 U	25 U	25 U
AROCLOR-1221	20 U	19 U	19 U	20 U	19.5 U	19 U	19 U	19 U	19 U
AROCLOR-1232	18 U	17 U	17 U	17 U	17 U	17 U	17 U	16 U	16 U
AROCLOR-1242	17 U	15 U	15 U	16 U	15.5 U	15 U	16 U	15 U	15 U
AROCLOR-1248	22 U	20 U	20 U	21 U	20.5 U	20 U	20 U	20 U	20 U
AROCLOR-1254	22 U	20 U	20 U	21 U	20.5 U	20 U	20 U	20 U	20 U
AROCLOR-1260	26 J	20 U	20 U	53 J	181.5	310 J	20 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	26	0 U	0 U	53	181.5	310	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-836	SB-836	SB-837	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838
SAMPLE ID	E-SB-836-13	E-SB-836-15	E-SB-837-11	E-SB-837-13	E-SB-837-13-AVG	E-SB-837-13-D	E-SB-837-15	E-SB-838-11	E-SB-838-13
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	13	13	15	11	13
BOTTOM DEPTH	13	15	11	13	13	13	15	11	13
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-838	SB-839	SB-839	SB-839	SB-840	SB-840	SB-840	SB-841	SB-841
SAMPLE ID	E-SB-838-15	E-SB-839-11	E-SB-839-13	E-SB-839-15	E-SB-840-11	E-SB-840-13	E-SB-840-15	E-SB-841-11	E-SB-841-13
SAMPLE DATE	20100913	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-838	SB-839	SB-839	SB-839	SB-840	SB-840	SB-840	SB-841	SB-841
SAMPLE ID	E-SB-838-15	E-SB-839-11	E-SB-839-13	E-SB-839-15	E-SB-840-11	E-SB-840-13	E-SB-840-15	E-SB-841-11	E-SB-841-13
SAMPLE DATE	20100913	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-838	SB-839	SB-839	SB-839	SB-840	SB-840	SB-840	SB-841	SB-841
SAMPLE ID	E-SB-838-15	E-SB-839-11	E-SB-839-13	E-SB-839-15	E-SB-840-11	E-SB-840-13	E-SB-840-15	E-SB-841-11	E-SB-841-13
SAMPLE DATE	20100913	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-838	SB-839	SB-839	SB-839	SB-840	SB-840	SB-840	SB-841	SB-841
SAMPLE ID	E-SB-838-15	E-SB-839-11	E-SB-839-13	E-SB-839-15	E-SB-840-11	E-SB-840-13	E-SB-840-15	E-SB-841-11	E-SB-841-13
SAMPLE DATE	20100913	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	26 U	24 U	26 U	25 U	24 U	120 U	25 U	24 U	25 U
AROCLOR-1221	20 U	18 U	20 U	19 U	18 U	93 U	19 U	19 U	19 U
AROCLOR-1232	17 U	16 U	17 U	17 U	16 U	82 U	17 U	16 U	17 U
AROCLOR-1242	16 U	15 U	16 U	15 U	15 U	76 U	16 U	15 U	15 U
AROCLOR-1248	21 U	20 U	21 U	20 U	19 U	99 U	21 U	20 U	20 U
AROCLOR-1254	21 U	20 U	21 U	20 U	19 U	99 U	21 U	20 U	20 U
AROCLOR-1260	21 U	20 U	51	20 U	19 U	240	21 U	20 U	670
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	51	0 U	0 U	240	0 U	0 U	670
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-838	SB-839	SB-839	SB-839	SB-840	SB-840	SB-840	SB-841	SB-841
SAMPLE ID	E-SB-838-15	E-SB-839-11	E-SB-839-13	E-SB-839-15	E-SB-840-11	E-SB-840-13	E-SB-840-15	E-SB-841-11	E-SB-841-13
SAMPLE DATE	20100913	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-15	E-SB-842-11	E-SB-842-11-AVG	E-SB-842-11-D	E-SB-842-13	E-SB-842-15	E-SB-843-11	E-SB-843-11-AVG	E-SB-843-11-D
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100913	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	11	13	15	11	11	11
BOTTOM DEPTH	15	11	11	11	13	15	11	11	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-15	E-SB-842-11	E-SB-842-11-AVG	E-SB-842-11-D	E-SB-842-13	E-SB-842-15	E-SB-843-11	E-SB-843-11-AVG	E-SB-843-11-D
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100913	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	11	13	15	11	11	11
BOTTOM DEPTH	15	11	11	11	13	15	11	11	11
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-15	E-SB-842-11	E-SB-842-11-AVG	E-SB-842-11-D	E-SB-842-13	E-SB-842-15	E-SB-843-11	E-SB-843-11-AVG	E-SB-843-11-D
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100913	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	11	13	15	11	11	11
BOTTOM DEPTH	15	11	11	11	13	15	11	11	11
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-15	E-SB-842-11	E-SB-842-11-AVG	E-SB-842-11-D	E-SB-842-13	E-SB-842-15	E-SB-843-11	E-SB-843-11-AVG	E-SB-843-11-D
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100913	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	11	13	15	11	11	11
BOTTOM DEPTH	15	11	11	11	13	15	11	11	11
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	25 U	25 U	25 U	24 U	25 U	26 U	25.5 U	25 U
AROCLOR-1221	19 U	19 U	19 U	19 U	18 U	19 U	20 U	19.5 U	19 U
AROCLOR-1232	17 U	17 U	17 U	17 U	16 U	17 U	17 U	17 U	17 U
AROCLOR-1242	16 U	15 U	15 U	15 U	15 U	16 U	16 U	16 U	16 U
AROCLOR-1248	20 U	20 U	20 U	20 U	20 U	21 U	21 U	20.5 U	20 U
AROCLOR-1254	20 U	20 U	20 U	20 U	20 U	21 U	21 U	20.5 U	20 U
AROCLOR-1260	20 U	20 U	20 U	20 U	20 U	62	21 U	20.5 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	62	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-841	SB-842	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-841-15	E-SB-842-11	E-SB-842-11-AVG	E-SB-842-11-D	E-SB-842-13	E-SB-842-15	E-SB-843-11	E-SB-843-11-AVG	E-SB-843-11-D
SAMPLE DATE	20100914	20100913	20100913	20100913	20100913	20100913	20100914	20100914	20100914
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	11	11	13	15	11	11	11
BOTTOM DEPTH	15	11	11	11	13	15	11	11	11
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-843	SB-843	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-843-13	E-SB-843-15	E-SB-844-11	E-SB-844-13	E-SB-844-15	E-SB-845-11	E-SB-845-13	E-SB-845-15	E-SB-846-11
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-843	SB-843	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-843-13	E-SB-843-15	E-SB-844-11	E-SB-844-13	E-SB-844-15	E-SB-845-11	E-SB-845-13	E-SB-845-15	E-SB-846-11
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-843	SB-843	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-843-13	E-SB-843-15	E-SB-844-11	E-SB-844-13	E-SB-844-15	E-SB-845-11	E-SB-845-13	E-SB-845-15	E-SB-846-11
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-843	SB-843	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-843-13	E-SB-843-15	E-SB-844-11	E-SB-844-13	E-SB-844-15	E-SB-845-11	E-SB-845-13	E-SB-845-15	E-SB-846-11
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	25 U	25 U	26 U	25 U	25 U	140 U	25 U	24 U
AROCLOR-1221	19 U	19 U	19 U	20 U	19 U	19 U	110 U	19 U	19 U
AROCLOR-1232	17 U	17 U	17 U	18 U	17 U	17 U	95 U	17 U	16 U
AROCLOR-1242	16 U	16 U	15 U	16 U	15 U	15 U	88 U	16 U	15 U
AROCLOR-1248	21 U	20 U	20 U	21 U	20 U	20 U	110 U	20 U	20 U
AROCLOR-1254	21 U	20 U	20 U	21 U	20 U	20 U	110 U	20 U	20 U
AROCLOR-1260	21 U	20 U	20 U	170	20 U	20 U	590	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	170	0 U	0 U	590	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-843	SB-843	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-846
SAMPLE ID	E-SB-843-13	E-SB-843-15	E-SB-844-11	E-SB-844-13	E-SB-844-15	E-SB-845-11	E-SB-845-13	E-SB-845-15	E-SB-846-11
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-13	E-SB-846-15	E-SB-847-11	E-SB-847-13	E-SB-847-15	E-SB-847-15-AVG	E-SB-847-15-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15
BOTTOM DEPTH	13	15	11	13	15	15	15
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-13	E-SB-846-15	E-SB-847-11	E-SB-847-13	E-SB-847-15	E-SB-847-15-AVG	E-SB-847-15-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15
BOTTOM DEPTH	13	15	11	13	15	15	15
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-13	E-SB-846-15	E-SB-847-11	E-SB-847-13	E-SB-847-15	E-SB-847-15-AVG	E-SB-847-15-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15
BOTTOM DEPTH	13	15	11	13	15	15	15
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-13	E-SB-846-15	E-SB-847-11	E-SB-847-13	E-SB-847-15	E-SB-847-15-AVG	E-SB-847-15-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15
BOTTOM DEPTH	13	15	11	13	15	15	15
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	27 U	27 U	25 U	25 U	25 U	25 U	25 U
AROCLOR-1221	20 U	21 U	19 U	19 U	19 U	19 U	19 U
AROCLOR-1232	18 U	18 U	16 U	17 U	17 U	17 U	17 U
AROCLOR-1242	17 U	17 U	15 U	16 U	16 U	15.5 U	15 U
AROCLOR-1248	22 U	22 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1254	22 U	22 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1260	22 U	22 U	20 U	20 U	20 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA

Table A-11
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-846-13	E-SB-846-15	E-SB-847-11	E-SB-847-13	E-SB-847-15	E-SB-847-15-AVG	E-SB-847-15-D
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15
BOTTOM DEPTH	13	15	11	13	15	15	15
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-503	SB-555A	SB-555A	SB-555A	SB-570A	SB-570A	SB-570A	SB-818	SB-818	SB-818
SAMPLE ID				SB-503-1012	SB-555A-12	SB-555A-14	SB-555A-16	SB-570A-12	SB-570A-14	SB-570A-16	E-SB-818-11	E-SB-818-13	E-SB-818-15
SAMPLE DATE				20071127	20081111	20081111	20081111	20081111	20081111	20081111	20100915	20100915	20100915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				10	12	14	16	12	14	16	11	13	15
BOTTOM DEPTH				12	12	14	16	12	14	16	11	13	15
VOLATILES (UG/KG)													
ACETONE	7000000	6100000	N	45 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	39 U	710	38 J	20 U	19 U	20 U	20 U	20 U	20 U	23 U
TOTAL AROCLOR	320 [4]	220	C[5]	0 U	710	38	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.26 K	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	12.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	0.043 K	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000	N[6]	14.1 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	12.4 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	34200	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		5.8 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	69.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	12.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	0.1 K	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		0.056 K	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[7]	17.4 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	17.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		1100 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		84.3	89	NA	NA	86	85	84	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-819	SB-819	SB-819	SB-820	SB-820	SB-820	SB-821	SB-821	SB-821	SB-822
SAMPLE ID				E-SB-819-11	E-SB-819-13	E-SB-819-15	E-SB-820-11	E-SB-820-13	E-SB-820-15	E-SB-821-11	E-SB-821-13	E-SB-821-15	E-SB-822-11
SAMPLE DATE				20100915	20100915	20100915	20100915	20100915	20100915	20100916	20100916	20100916	20100915
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH				11	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)													
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	20 U	21 U	20 U	19 U	21 U	20 U	20 U	20 U	21 U	20 U
TOTAL AROCLOR	320 [4]	220	C[5]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-822	SB-822	SB-824	SB-824	SB-824	SB-825	SB-825	SB-825	SB-826	SB-826
SAMPLE ID			E-SB-822-13	E-SB-822-15	E-SB-824-11	E-SB-824-13	E-SB-824-15	E-SB-825-11	E-SB-825-13	E-SB-825-15	E-SB-826-11	E-SB-826-13
SAMPLE DATE			20100915	20100915	20100915	20100915	20100915	20100913	20100913	20100913	20100916	20100916
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH			13	15	11	13	15	11	13	15	11	13
VOLATILES (UG/KG)												
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220 C	23 U	20 U	21 U	21 U	20 U	20 U	22 U	21 U	21 U	20 U
TOTAL AROCLOR	320 [4]	220 C[5]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-826	SB-827	SB-827	SB-827	SB-828	SB-828	SB-828	SB-829	SB-829	SB-829
SAMPLE ID			E-SB-826-15	E-SB-827-11	E-SB-827-13	E-SB-827-15	E-SB-828-11	E-SB-828-13	E-SB-828-15	E-SB-829-11	E-SB-829-13	E-SB-829-15
SAMPLE DATE			20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100917	20100917	20100917
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH			15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)												
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	85 U	NA	NA	260 J	NA	NA	84 U
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	85 U	NA	NA	220 J	NA	NA	84 U
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	85 U	NA	NA	86 U	NA	NA	84 U
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	85 U	NA	NA	350 J	NA	NA	84 U
C2-FLUORENES	NC	NC	NA	NA	NA	85 U	NA	NA	280 J	NA	NA	84 U
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	85 U	NA	NA	230 J	NA	NA	84 U
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	85 U	NA	NA	280 J	NA	NA	84 U
C3-FLUORENES	NC	NC	NA	NA	NA	85 U	NA	NA	230 J	NA	NA	84 U
C3-NAPHTHALENES	NC	NC	NA	NA	NA	85 U	NA	NA	310 J	NA	NA	84 U
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	85 U	NA	NA	420 J	NA	NA	84 U
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	85 U	NA	NA	250 J	NA	NA	84 U
C4-NAPHTHALENES	NC	NC	NA	NA	NA	85 U	NA	NA	1600 J	NA	NA	84 U
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	85 U	NA	NA	390 J	NA	NA	84 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220 C	20 U	20 U	15000 J	180 J	280	61	40 J	22 UJ	33 J	21 UJ
TOTAL AROCLOR	320 [4]	220 C[5]	0 U	0 U	15000	180	280	61	40	0 U	33	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	3800 J	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-830	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831	SB-831
SAMPLE ID				E-SB-830-11	E-SB-830-11-AVG	E-SB-830-11-D	E-SB-830-13	E-SB-830-15	E-SB-831-11	E-SB-831-13	E-SB-831-15	E-SB-831-15-AVG	E-SB-831-15-D
SAMPLE DATE				20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	11	11	13	15	11	13	15	15	15
BOTTOM DEPTH				11	11	11	13	15	11	13	15	15	15
VOLATILES (UG/KG)													
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	20 U	20 U	20 U	33 J	21 U	20 U	20 U	20 U	19.5 U	19 U
TOTAL AROCLOR	320 [4]	220	C[5]	0 U	0 U	0 U	33	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-832	SB-832	SB-832	SB-833	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835
SAMPLE ID				E-SB-832-11	E-SB-832-13	E-SB-832-15	E-SB-833-11	E-SB-834-11	E-SB-834-13	E-SB-834-15	E-SB-835-11	E-SB-835-13	E-SB-835-15
SAMPLE DATE				20100917	20100917	20100917	20100916	20100916	20100916	20100916	20100917	20100917	20100917
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	11	13	15	11	13	15
BOTTOM DEPTH				11	13	15	11	11	13	15	11	13	15
VOLATILES (UG/KG)													
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	150 J	NA	NA	88 U	NA	NA	79 U
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	250 J	NA	NA	88 U	NA	NA	79 U
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	120 J	NA	NA	88 U	NA	NA	79 U
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C2-FLUORENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C3-FLUORENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C3-NAPHTHALENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C4-NAPHTHALENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	79 U	NA	NA	88 U	NA	NA	79 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	21 U	22 U	33 J	61000	32 J	350	27 J	20 U	190	20 U
TOTAL AROCLOR	320 [4]	220	C[5]	0 U	0 U	33	61000	32	350	27	0 U	190	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-836	SB-836	SB-836	SB-837	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838
SAMPLE ID			E-SB-836-11	E-SB-836-13	E-SB-836-15	E-SB-837-11	E-SB-837-13	E-SB-837-13-AVG	E-SB-837-13-D	E-SB-837-15	E-SB-838-11	E-SB-838-13
SAMPLE DATE			20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100913	20100913
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			11	13	15	11	13	13	13	15	11	13
BOTTOM DEPTH			11	13	15	11	13	13	13	15	11	13
VOLATILES (UG/KG)												
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	79 U	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220 C	20 U	26 J	20 U	20 U	53 J	181.5	**310 J**	20 U	20 U	20 U
TOTAL AROCLOR	320 [4]	220 C[5]	0 U	26	0 U	0 U	53	181.5	**310**	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-838	SB-839	SB-839	SB-839	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841
SAMPLE ID				E-SB-838-15	E-SB-839-11	E-SB-839-13	E-SB-839-15	E-SB-840-11	E-SB-840-13	E-SB-840-15	E-SB-841-11	E-SB-841-13	E-SB-841-15
SAMPLE DATE				20100913	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH				15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)													
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	21 U	20 U	51	20 U	19 U	240	21 U	20 U	670	20 U
TOTAL AROCLOR	320 [4]	220	C[5]	0 U	0 U	51	0 U	0 U	240	0 U	0 U	670	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-842	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843	SB-843
SAMPLE ID				E-SB-842-11	E-SB-842-11-AVG	E-SB-842-11-D	E-SB-842-13	E-SB-842-15	E-SB-843-11	E-SB-843-11-AVG	E-SB-843-11-D	E-SB-843-13	E-SB-843-15
SAMPLE DATE				20100913	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	11	11	13	15	11	11	11	13	15
BOTTOM DEPTH				11	11	11	13	15	11	11	11	13	15
VOLATILES (UG/KG)													
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	20 U	20 U	20 U	20 U	62	21 U	20.5 U	20 U	21 U	20 U
TOTAL AROCLOR	320 [4]	220	C[5]	0 U	0 U	0 U	0 U	62	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-846	SB-846	SB-846	SB-847
SAMPLE ID			E-SB-844-11	E-SB-844-13	E-SB-844-15	E-SB-845-11	E-SB-845-13	E-SB-845-15	E-SB-846-11	E-SB-846-13	E-SB-846-15	E-SB-847-11
SAMPLE DATE			20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH			11	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)												
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220 C	20 U	170	20 U	20 U	590	20 U	20 U	22 U	22 U	20 U
TOTAL AROCLOR	320 [4]	220 C[5]	0 U	170	0 U	0 U	590	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-847	SB-847	SB-847	SB-847
SAMPLE ID			E-SB-847-13	E-SB-847-15	E-SB-847-15-AVG	E-SB-847-15-D
SAMPLE DATE			20100913	20100913	20100913	20100913
SAMPLE CODE			NORMAL	ORIG	AVG	DUP
MATRIX			SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB
TOP DEPTH			13	15	15	15
BOTTOM DEPTH			13	15	15	15
VOLATILES (UG/KG)						
ACETONE	7000000	6100000 N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)						
AROCLOR-1260	320	220 C	20 U	20 U	20 U	20 U
TOTAL AROCLOR	320 [4]	220 C[5]	0 U	0 U	0 U	0 U
METALS (MG/KG)						
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA
CHROMIUM	12000 [6]	12000 N[6]	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA
VANADIUM	7.8	39 N[7]	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA
TPH (C10-C32)	NC	NC	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA

Table A-12
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block E
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 1.0.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value is for PCB (total).
5 - The value is for polychlorinated biphenyls (high risk).
6 - The value is for trivalent chromium.
7 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-024A	SB-024A	SB-056	SB-056	SB-093	SB-093	SB-094
SAMPLE ID	F-SB-24ARE-1	F-SB-24ARE-2	F-SB-56RE-1	F-SB-56RE-2	F-SB-93RE-1	F-SB-93RE-2	F-SB-94RE-1
SAMPLE DATE	20090922	20090922	20090918	20090918	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-024A	SB-024A	SB-056	SB-056	SB-093	SB-093	SB-094
SAMPLE ID	F-SB-24ARE-1	F-SB-24ARE-2	F-SB-56RE-1	F-SB-56RE-2	F-SB-93RE-1	F-SB-93RE-2	F-SB-94RE-1
SAMPLE DATE	20090922	20090922	20090918	20090918	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	23	1.5 U	1190	150	184
BAP EQUIVALENT-POS	NA	NA	22	1.5 U	1190	150	184
BENZO(A)ANTHRACENE	NA	NA	17	1.1 U	890	100	110
BENZO(A)PYRENE	NA	NA	17	1.5 U	810	89	130
BENZO(B)FLUORANTHENE	NA	NA	21	1.4 U	1200	140	150
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	12	1.9 U	390	46	91
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-024A	SB-024A	SB-056	SB-056	SB-093	SB-093	SB-094
SAMPLE ID	F-SB-24ARE-1	F-SB-24ARE-2	F-SB-56RE-1	F-SB-56RE-2	F-SB-93RE-1	F-SB-93RE-2	F-SB-94RE-1
SAMPLE DATE	20090922	20090922	20090918	20090918	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-024A	SB-024A	SB-056	SB-056	SB-093	SB-093	SB-094
SAMPLE ID	F-SB-24ARE-1	F-SB-24ARE-2	F-SB-56RE-1	F-SB-56RE-2	F-SB-93RE-1	F-SB-93RE-2	F-SB-94RE-1
SAMPLE DATE	20090922	20090922	20090918	20090918	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	19	1 U	860	100	150
DIBENZO(A,H)ANTHRACENE	NA	NA	1.6 U	1.5 U	120	30	19
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	11	1.7 U	460	66	81
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	97	0 U	4730	571	731
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	23 U	25 U	24 U
AROCLOR-1221	NA	NA	NA	NA	18 U	19 U	18 U
AROCLOR-1232	NA	NA	NA	NA	16 U	17 U	16 U
AROCLOR-1242	NA	NA	NA	NA	14 U	16 U	15 U
AROCLOR-1248	NA	NA	NA	NA	19 U	20 U	20 U
AROCLOR-1254	NA	NA	NA	NA	19 U	20 U	20 U
AROCLOR-1260	NA	NA	NA	NA	120	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	120	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	1.5 L	1 L	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-024A	SB-024A	SB-056	SB-056	SB-093	SB-093	SB-094
SAMPLE ID	F-SB-24ARE-1	F-SB-24ARE-2	F-SB-56RE-1	F-SB-56RE-2	F-SB-93RE-1	F-SB-93RE-2	F-SB-94RE-1
SAMPLE DATE	20090922	20090922	20090918	20090918	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-094	SB-095	SB-095	SB-096	SB-096	SB-624	SB-624	SB-625	SB-625
SAMPLE ID	F-SB-94RE-2	F-SB-95RE-1	F-SB-95RE-2	F-SB-96RE-1	F-SB-96RE-2	F-SB-624-1	F-SB-624-2	F-SB-625-1	F-SB-625-2
SAMPLE DATE	20090921	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-094	SB-095	SB-095	SB-096	SB-096	SB-624	SB-624	SB-625	SB-625
SAMPLE ID	F-SB-94RE-2	F-SB-95RE-1	F-SB-95RE-2	F-SB-96RE-1	F-SB-96RE-2	F-SB-624-1	F-SB-624-2	F-SB-625-1	F-SB-625-2
SAMPLE DATE	20090921	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	95	50001	2.6	602	1.6 U	NA	NA	NA	NA
BAP EQUIVALENT-POS	95	49963	0.85	602	1.6 U	NA	NA	NA	NA
BENZO(A)ANTHRACENE	57	42000	8.5	390	1.1 U	NA	NA	NA	NA
BENZO(A)PYRENE	55	38000	1.6 U	410	1.6 U	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	58	55000	1.5 U	580	1.5 U	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	24	23000	2.1 U	250	2.1 U	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-094	SB-095	SB-095	SB-096	SB-096	SB-624	SB-624	SB-625	SB-625
SAMPLE ID	F-SB-94RE-2	F-SB-95RE-1	F-SB-95RE-2	F-SB-96RE-1	F-SB-96RE-2	F-SB-624-1	F-SB-624-2	F-SB-625-1	F-SB-625-2
SAMPLE DATE	20090921	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-094	SB-095	SB-095	SB-096	SB-096	SB-624	SB-624	SB-625	SB-625
SAMPLE ID	F-SB-94RE-2	F-SB-95RE-1	F-SB-95RE-2	F-SB-96RE-1	F-SB-96RE-2	F-SB-624-1	F-SB-624-2	F-SB-625-1	F-SB-625-2
SAMPLE DATE	20090921	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	73	33000	1.1 U	340	1.1 U	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	25	76 U	1.6 U	67	1.6 U	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	36	20000	1.9 U	250	1.8 U	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	328	211000	8.5	2287	0 U	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	26 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	20 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	17 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	16 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	21 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	21 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	21 U	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	0.035	0.22	0.02 U	0.58
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-094	SB-095	SB-095	SB-096	SB-096	SB-624	SB-624	SB-625	SB-625
SAMPLE ID	F-SB-94RE-2	F-SB-95RE-1	F-SB-95RE-2	F-SB-96RE-1	F-SB-96RE-2	F-SB-624-1	F-SB-624-2	F-SB-625-1	F-SB-625-2
SAMPLE DATE	20090921	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-626	SB-626	SB-626B	SB-626C	SB-626D	SB-627	SB-627	SB-635C	SB-635D
SAMPLE ID	F-SB-626-1	F-SB-626-2	F-SB-626B-(1-4)	F-SB-626C-1	F-SB-626D-1	F-SB-627-1	F-SB-627-2	F-SB-635C-1	F-SB-635D-1
SAMPLE DATE	20090922	20090922	20091111	20091111	20091111	20090922	20090922	20091104	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	1	2	1	1
BOTTOM DEPTH	1	2	4	1	1	1	2	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-626	SB-626	SB-626B	SB-626C	SB-626D	SB-627	SB-627	SB-635C	SB-635D
SAMPLE ID	F-SB-626-1	F-SB-626-2	F-SB-626B-(1-4)	F-SB-626C-1	F-SB-626D-1	F-SB-627-1	F-SB-627-2	F-SB-635C-1	F-SB-635D-1
SAMPLE DATE	20090922	20090922	20091111	20091111	20091111	20090922	20090922	20091104	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	1	2	1	1
BOTTOM DEPTH	1	2	4	1	1	1	2	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	1267	20
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	1267	19
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	760	11
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	870	16
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	1200	8.9
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	390	1.8 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-626	SB-626	SB-626B	SB-626C	SB-626D	SB-627	SB-627	SB-635C	SB-635D
SAMPLE ID	F-SB-626-1	F-SB-626-2	F-SB-626B-(1-4)	F-SB-626C-1	F-SB-626D-1	F-SB-627-1	F-SB-627-2	F-SB-635C-1	F-SB-635D-1
SAMPLE DATE	20090922	20090922	20091111	20091111	20091111	20090922	20090922	20091104	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	1	2	1	1
BOTTOM DEPTH	1	2	4	1	1	1	2	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-626	SB-626	SB-626B	SB-626C	SB-626D	SB-627	SB-627	SB-635C	SB-635D
SAMPLE ID	F-SB-626-1	F-SB-626-2	F-SB-626B-(1-4)	F-SB-626C-1	F-SB-626D-1	F-SB-627-1	F-SB-627-2	F-SB-635C-1	F-SB-635D-1
SAMPLE DATE	20090922	20090922	20091111	20091111	20091111	20090922	20090922	20091104	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	1	2	1	1
BOTTOM DEPTH	1	2	4	1	1	1	2	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	790	8.1
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	150	1.4 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	460	15
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	4620	59
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.2 L	2.7 L	1.2	2.2	0.36	0.31 L	0.38 L	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-626	SB-626	SB-626B	SB-626C	SB-626D	SB-627	SB-627	SB-635C	SB-635D
SAMPLE ID	F-SB-626-1	F-SB-626-2	F-SB-626B-(1-4)	F-SB-626C-1	F-SB-626D-1	F-SB-627-1	F-SB-627-2	F-SB-635C-1	F-SB-635D-1
SAMPLE DATE	20090922	20090922	20091111	20091111	20091111	20090922	20090922	20091104	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	1	2	1	1
BOTTOM DEPTH	1	2	4	1	1	1	2	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636	SB-636A	SB-636B	SB-636C	SB-636D	SB-637	SB-637B	SB-637C	SB-638
SAMPLE ID	F-SB-636-1	F-SB-636A-1	F-SB-636B-1	F-SB-636C-1	F-SB-636D-1	F-SB-637-1	F-SB-637B-1	F-SB-637C-1	F-SB-638-1
SAMPLE DATE	20091007	20091105	20091105	20091105	20091105	20091007	20091106	20091106	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-636	SB-636A	SB-636B	SB-636C	SB-636D	SB-637	SB-637B	SB-637C	SB-638
SAMPLE ID	F-SB-636-1	F-SB-636A-1	F-SB-636B-1	F-SB-636C-1	F-SB-636D-1	F-SB-637-1	F-SB-637B-1	F-SB-637C-1	F-SB-638-1
SAMPLE DATE	20091007	20091105	20091105	20091105	20091105	20091007	20091106	20091106	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	163	410	1412	7120	6757	1186	6953	2075	1.4 U
BAP EQUIVALENT-POS	163	410	1412	7120	6757	1186	6953	2075	1.4 U
BENZO(A)ANTHRACENE	130	290	790	5700	4900	900	6200	1700	1 U
BENZO(A)PYRENE	110	270	950	4800	4700	820	4600	1400	1.4 U
BENZO(B)FLUORANTHENE	140	400	1200	7000	6200	1100	6500	1900	1.3 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	58	130	540	2500	2200	390	2800	870	1.8 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-636	SB-636A	SB-636B	SB-636C	SB-636D	SB-637	SB-637B	SB-637C	SB-638
SAMPLE ID	F-SB-636-1	F-SB-636A-1	F-SB-636B-1	F-SB-636C-1	F-SB-636D-1	F-SB-637-1	F-SB-637B-1	F-SB-637C-1	F-SB-638-1
SAMPLE DATE	20091007	20091105	20091105	20091105	20091105	20091007	20091106	20091106	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636	SB-636A	SB-636B	SB-636C	SB-636D	SB-637	SB-637B	SB-637C	SB-638
SAMPLE ID	F-SB-636-1	F-SB-636A-1	F-SB-636B-1	F-SB-636C-1	F-SB-636D-1	F-SB-637-1	F-SB-637B-1	F-SB-637C-1	F-SB-638-1
SAMPLE DATE	20091007	20091105	20091105	20091105	20091105	20091007	20091106	20091106	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	110	300	890	5200	4900	840	5300	1500	0.97 U
DIBENZO(A,H)ANTHRACENE	19	53	200	750	660	120	790	230	1.4 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	64	160	570	2700	2600	410	2600	750	1.6 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	631	1603	5140	28650	26160	4580	28790	8350	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	NA	NA	NA	NA	24 U	NA	NA	23 U
AROCLOR-1221	19 U	NA	NA	NA	NA	18 U	NA	NA	17 U
AROCLOR-1232	16 U	NA	NA	NA	NA	16 U	NA	NA	15 U
AROCLOR-1242	15 U	NA	NA	NA	NA	15 U	NA	NA	14 U
AROCLOR-1248	20 U	NA	NA	NA	NA	19 U	NA	NA	18 U
AROCLOR-1254	20 U	NA	NA	NA	NA	19 U	NA	NA	18 U
AROCLOR-1260	20 U	NA	NA	NA	NA	19 U	NA	NA	18 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	0 U	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636	SB-636A	SB-636B	SB-636C	SB-636D	SB-637	SB-637B	SB-637C	SB-638
SAMPLE ID	F-SB-636-1	F-SB-636A-1	F-SB-636B-1	F-SB-636C-1	F-SB-636D-1	F-SB-637-1	F-SB-637B-1	F-SB-637C-1	F-SB-638-1
SAMPLE DATE	20091007	20091105	20091105	20091105	20091105	20091007	20091106	20091106	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-639	SB-640	SB-641	SB-641A	SB-641B	SB-641C	SB-642	SB-642A	SB-642B
SAMPLE ID	F-SB-639-1	F-SB-640-1	F-SB-641-1	F-SB-641A-1	F-SB-641B-1	F-SB-641C-1	F-SB-642-1	F-SB-642A-1	F-SB-642B-1
SAMPLE DATE	20091007	20091007	20091006	20091104	20091104	20091104	20091019	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-639	SB-640	SB-641	SB-641A	SB-641B	SB-641C	SB-642	SB-642A	SB-642B
SAMPLE ID	F-SB-639-1	F-SB-640-1	F-SB-641-1	F-SB-641A-1	F-SB-641B-1	F-SB-641C-1	F-SB-642-1	F-SB-642A-1	F-SB-642B-1
SAMPLE DATE	20091007	20091007	20091006	20091104	20091104	20091104	20091019	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	79	74	1364	41	289	9111	1495	1.5 U	57
BAP EQUIVALENT-POS	78	73	1364	41	289	9111	1495	1.5 U	56
BENZO(A)ANTHRACENE	62	52	960	31	190	7400	1100	1.1 U	42
BENZO(A)PYRENE	59	55	860	32	200	6300	1000	1.5 U	44
BENZO(B)FLUORANTHENE	88	88	1300	38	290	8900	1200	1.4 U	48
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	32	29	1.6 U	19	95	3500	620	2 U	40
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-639	SB-640	SB-641	SB-641A	SB-641B	SB-641C	SB-642	SB-642A	SB-642B
SAMPLE ID	F-SB-639-1	F-SB-640-1	F-SB-641-1	F-SB-641A-1	F-SB-641B-1	F-SB-641C-1	F-SB-642-1	F-SB-642A-1	F-SB-642B-1
SAMPLE DATE	20091007	20091007	20091006	20091104	20091104	20091104	20091019	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-639	SB-640	SB-641	SB-641A	SB-641B	SB-641C	SB-642	SB-642A	SB-642B
SAMPLE ID	F-SB-639-1	F-SB-640-1	F-SB-641-1	F-SB-641A-1	F-SB-641B-1	F-SB-641C-1	F-SB-642-1	F-SB-642A-1	F-SB-642B-1
SAMPLE DATE	20091007	20091007	20091006	20091104	20091104	20091104	20091019	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	66	57	840	33	190	6300	980	1 U	48
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	210	1.5 U	30	840	200	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	34	37	670	15	100	3000	580	1.7 U	24
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	341	318	4840	168	1095	36240	5680	0 U	246
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	24 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	18 U	18 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	16 U	16 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	15 U	15 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	20 U	20 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	20 U	20 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	20 U	20 U	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-639	SB-640	SB-641	SB-641A	SB-641B	SB-641C	SB-642	SB-642A	SB-642B
SAMPLE ID	F-SB-639-1	F-SB-640-1	F-SB-641-1	F-SB-641A-1	F-SB-641B-1	F-SB-641C-1	F-SB-642-1	F-SB-642A-1	F-SB-642B-1
SAMPLE DATE	20091007	20091007	20091006	20091104	20091104	20091104	20091019	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642C	SB-643	SB-643B	SB-643C	SB-644	SB-645	SB-645A	SB-645B	SB-645C
SAMPLE ID	F-SB-642C-1	F-SB-643-1	F-SB-643B-1	F-SB-643C-1	F-SB-644-1	F-SB-645-1	F-SB-645A-1	F-SB-645B-1	F-SB-645C-1
SAMPLE DATE	20091104	20091016	20091105	20091105	20091016	20091006	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-642C	SB-643	SB-643B	SB-643C	SB-644	SB-645	SB-645A	SB-645B	SB-645C
SAMPLE ID	F-SB-642C-1	F-SB-643-1	F-SB-643B-1	F-SB-643C-1	F-SB-644-1	F-SB-645-1	F-SB-645A-1	F-SB-645B-1	F-SB-645C-1
SAMPLE DATE	20091104	20091016	20091105	20091105	20091016	20091006	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.7	708	118	1.4 U	70	26715	111	112	369
BAP EQUIVALENT-POS	0.012	708	118	1.4 U	70	26715	111	112	369
BENZO(A)ANTHRACENE	1.1 U	360	77	1 U	39	18000	68	79	260
BENZO(A)PYRENE	1.5 U	490	70	1.4 U	47	17000	66	78	240
BENZO(B)FLUORANTHENE	1.4 U	630	110	1.3 U	58	28000	96	110	330
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	300	32	1.9 U	25	9.3 U	45	47	120
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-642C	SB-643	SB-643B	SB-643C	SB-644	SB-645	SB-645A	SB-645B	SB-645C
SAMPLE ID	F-SB-642C-1	F-SB-643-1	F-SB-643B-1	F-SB-643C-1	F-SB-644-1	F-SB-645-1	F-SB-645A-1	F-SB-645B-1	F-SB-645C-1
SAMPLE DATE	20091104	20091016	20091105	20091105	20091016	20091006	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642C	SB-643	SB-643B	SB-643C	SB-644	SB-645	SB-645A	SB-645B	SB-645C
SAMPLE ID	F-SB-642C-1	F-SB-643-1	F-SB-643B-1	F-SB-643C-1	F-SB-644-1	F-SB-645-1	F-SB-645A-1	F-SB-645B-1	F-SB-645C-1
SAMPLE DATE	20091104	20091016	20091105	20091105	20091016	20091006	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	12	400	99	0.99 U	44	15000	68	92	240
DIBENZO(A,H)ANTHRACENE	1.5 U	87	25	1.4 U	9.4	4000	24	11	55
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	290	40	1.7 U	32	11000	40	40	140
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	12	2557	453	0 U	254.4	93000	407	457	1385
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642C	SB-643	SB-643B	SB-643C	SB-644	SB-645	SB-645A	SB-645B	SB-645C
SAMPLE ID	F-SB-642C-1	F-SB-643-1	F-SB-643B-1	F-SB-643C-1	F-SB-644-1	F-SB-645-1	F-SB-645A-1	F-SB-645B-1	F-SB-645C-1
SAMPLE DATE	20091104	20091016	20091105	20091105	20091016	20091006	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-646	SB-647	SB-647A	SB-647B	SB-647C	SB-648	SB-649	SB-650	SB-651
SAMPLE ID	F-SB-646-1	F-SB-647-1	F-SB-647A-1	F-SB-647B-1	F-SB-647C-1	F-SB-648-1	F-SB-649-1	F-SB-650-1	F-SB-651-1
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091006	20091006	20091006	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-646	SB-647	SB-647A	SB-647B	SB-647C	SB-648	SB-649	SB-650	SB-651
SAMPLE ID	F-SB-646-1	F-SB-647-1	F-SB-647A-1	F-SB-647B-1	F-SB-647C-1	F-SB-648-1	F-SB-649-1	F-SB-650-1	F-SB-651-1
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091006	20091006	20091006	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	23	284	3838	283	5140	2.2 U	2.2 U	4.1	14
BAP EQUIVALENT-POS	23	284	3838	283	5140	2.2 U	2.2 U	3.1	13
BENZO(A)ANTHRACENE	13	160	2500	170	3400	1.2 U	1.3 U	1.2 U	8.8
BENZO(A)PYRENE	15	180	2600	180	3500	2.2 U	2.2 U	3.1 J	9.9
BENZO(B)FLUORANTHENE	24	300	3100	240	4500	1.6 U	1.6 U	1.6 U	13
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.6 U	7.9 U	1600	97	1700	1.6 U	1.7 U	1.6 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-646	SB-647	SB-647A	SB-647B	SB-647C	SB-648	SB-649	SB-650	SB-651
SAMPLE ID	F-SB-646-1	F-SB-647-1	F-SB-647A-1	F-SB-647B-1	F-SB-647C-1	F-SB-648-1	F-SB-649-1	F-SB-650-1	F-SB-651-1
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091006	20091006	20091006	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-646	SB-647	SB-647A	SB-647B	SB-647C	SB-648	SB-649	SB-650	SB-651
SAMPLE ID	F-SB-646-1	F-SB-647-1	F-SB-647A-1	F-SB-647B-1	F-SB-647C-1	F-SB-648-1	F-SB-649-1	F-SB-650-1	F-SB-651-1
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091006	20091006	20091006	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	13	180	2400	170	3300	1.4 U	1.4 U	1.4 U	8.9
DIBENZO(A,H)ANTHRACENE	2.8 J	44	500	49	620	1.7 U	1.8 U	1.7 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	12	140	1600	120	2100	0.43 U	0.44 U	0.43 U	8.8
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	79.8	1004	14300	1026	19120	0 U	0 U	3.1	49.4
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	24 U
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	18 U
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	16 U
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	15 U
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	19 U
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	19 U
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-646	SB-647	SB-647A	SB-647B	SB-647C	SB-648	SB-649	SB-650	SB-651
SAMPLE ID	F-SB-646-1	F-SB-647-1	F-SB-647A-1	F-SB-647B-1	F-SB-647C-1	F-SB-648-1	F-SB-649-1	F-SB-650-1	F-SB-651-1
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091006	20091006	20091006	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652	SB-652A	SB-652B	SB-652C	SB-797	SB-798	SB-799	SB-800	SB-801
SAMPLE ID	F-SB-652-1	F-SB-652A-1	F-SB-652B-1	F-SB-652C-1	F-SB-797-SS	F-SB-798-SS	F-SB-799-SS	F-SB-800-SS	F-SB-801-SS
SAMPLE DATE	20091007	20091105	20091105	20091105	20100820	20100820	20100820	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652	SB-652A	SB-652B	SB-652C	SB-797	SB-798	SB-799	SB-800	SB-801
SAMPLE ID	F-SB-652-1	F-SB-652A-1	F-SB-652B-1	F-SB-652C-1	F-SB-797-SS	F-SB-798-SS	F-SB-799-SS	F-SB-800-SS	F-SB-801-SS
SAMPLE DATE	20091007	20091105	20091105	20091105	20100820	20100820	20100820	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	55	3.7 U	3.9 U	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	46	3.7 U	3.9 U	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	340	3.7 U	3.9 U	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	15 U	3.7 U	3.9 U	NA	NA
ANTHRACENE	NA	NA	NA	NA	680	3.7 U	3.9 U	NA	NA
BAP EQUIVALENT-HALFND	342	228	505	19	3496	3.7 U	13	NA	NA
BAP EQUIVALENT-POS	342	228	505	18	3496	3.7 U	11	NA	NA
BENZO(A)ANTHRACENE	260	150	350	16	2300	3.7 U	8.1	NA	NA
BENZO(A)PYRENE	230	150	340	13	2400	3.7 U	9	NA	NA
BENZO(B)FLUORANTHENE	330	200	430	30	2800	3.7 U	11	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	1700	3.7 U	3.9 U	NA	NA
BENZO(K)FLUORANTHENE	120	96	190	8.4	1400	3.7 U	3.9 U	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-652	SB-652A	SB-652B	SB-652C	SB-797	SB-798	SB-799	SB-800	SB-801
SAMPLE ID	F-SB-652-1	F-SB-652A-1	F-SB-652B-1	F-SB-652C-1	F-SB-797-SS	F-SB-798-SS	F-SB-799-SS	F-SB-800-SS	F-SB-801-SS
SAMPLE DATE	20091007	20091105	20091105	20091105	20100820	20100820	20100820	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	3700 J	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	5800 J	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	1600 J	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	1300 J	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	950 J	NA	NA	NA	NA

LOCATION	SB-652	SB-652A	SB-652B	SB-652C	SB-797	SB-798	SB-799	SB-800	SB-801
SAMPLE ID	F-SB-652-1	F-SB-652A-1	F-SB-652B-1	F-SB-652C-1	F-SB-797-SS	F-SB-798-SS	F-SB-799-SS	F-SB-800-SS	F-SB-801-SS
SAMPLE DATE	20091007	20091105	20091105	20091105	20100820	20100820	20100820	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	470 J	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	390 U	NA	NA	NA	NA
CHRYSENE	250	160	350	15	2400	1.2 U	11	NA	NA
DIBENZO(A,H)ANTHRACENE	38	33	65	1.5 U	430	3.7 U	3.9 U	NA	NA
FLUORANTHENE	NA	NA	NA	NA	4900	11	17	NA	NA
FLUORENE	NA	NA	NA	NA	370	3.7 U	3.9 U	NA	NA
INDENO(1,2,3-CD)PYRENE	140	89	200	1.7 U	1400	3.7 U	3.9 U	NA	NA
NAPHTHALENE	NA	NA	NA	NA	140	3.7 U	3.9 U	NA	NA
PHENANTHRENE	NA	NA	NA	NA	2600	3.7 U	8	NA	NA
PYRENE	NA	NA	NA	NA	4200	9.1	17	NA	NA
TOTAL PAHS	1368	878	1925	82.4	28106	20.1	81.1	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	18 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	16 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	15 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	20 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	20 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	20 U	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	1 L	0.18 L
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-652	SB-652A	SB-652B	SB-652C	SB-797	SB-798	SB-799	SB-800	SB-801
SAMPLE ID	F-SB-652-1	F-SB-652A-1	F-SB-652B-1	F-SB-652C-1	F-SB-797-SS	F-SB-798-SS	F-SB-799-SS	F-SB-800-SS	F-SB-801-SS
SAMPLE DATE	20091007	20091105	20091105	20091105	20100820	20100820	20100820	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-802
SAMPLE ID	F-SB-802-SS
SAMPLE DATE	20100910
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SS
TOP DEPTH	1
BOTTOM DEPTH	1
VOLATILES (UG/KG)	
1,1,1,2-TETRACHLOROETHANE	NA
1,1,1-TRICHLOROETHANE	NA
1,1,2,2-TETRACHLOROETHANE	NA
1,1,2-TRICHLOROETHANE	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA
1,1-DICHLOROETHANE	NA
1,1-DICHLOROETHENE	NA
1,1-DICHLOROPROPENE	NA
1,2,3-TRICHLOROBENZENE	NA
1,2,3-TRICHLOROPROPANE	NA
1,2,3-TRIMETHYLBENZENE	NA
1,2,4-TRICHLOROBENZENE	NA
1,2,4-TRIMETHYLBENZENE	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA
1,2-DIBROMOETHANE	NA
1,2-DICHLOROBENZENE	NA
1,2-DICHLOROETHANE	NA
1,2-DICHLOROPROPANE	NA
1,3,5-TRIMETHYLBENZENE	NA
1,3-DICHLOROBENZENE	NA
1,3-DICHLOROPROPANE	NA
1,3-DICHLOROPROPENE	NA
1,4-DICHLOROBENZENE	NA
1,4-DIOXANE	NA
2,2-DICHLOROPROPANE	NA
2-BUTANONE	NA
2-CHLOROETHYL VINYL ETHER	NA
2-CHLOROTOLUENE	NA
2-HEXANONE	NA
4-CHLOROTOLUENE	NA
4-ISOPROPYLTOLUENE	NA
4-METHYL-2-PENTANONE	NA
ACETONE	NA
BENZENE	NA
BROMOBENZENE	NA
BROMOCHLOROMETHANE	NA
BROMODICHLOROMETHANE	NA
BROMOFORM	NA
BROMOMETHANE	NA
CARBON DISULFIDE	NA
CARBON TETRACHLORIDE	NA
CHLOROBENZENE	NA
CHLORODIBROMOMETHANE	NA
CHLOROETHANE	NA
CHLOROFORM	NA
CHLOROMETHANE	NA
CIS-1,2-DICHLOROETHENE	NA
CIS-1,3-DICHLOROPROPENE	NA
DIBROMOMETHANE	NA
DICHLORODIFLUOROMETHANE	NA
DIISOPROPYL ETHER	NA
ETHYL TERT-BUTYL ETHER	NA
ETHYLBENZENE	NA
FLUORODICHLOROMETHANE	NA
HEXACHLOROBUTADIENE	NA
ISOPROPYLBENZENE	NA
M+P-XYLENES	NA
METHYL TERT-BUTYL ETHER	NA
METHYLENE CHLORIDE	NA
NAPHTHALENE	NA
N-BUTYLBENZENE	NA
N-PROPYLBENZENE	NA
O-XYLENE	NA
SEC-BUTYLBENZENE	NA
STYRENE	NA
TERT-AMYL METHYL ETHER	NA
TERT-BUTYLBENZENE	NA
TERTIARY-BUTYL ALCOHOL	NA
TETRACHLOROETHENE	NA
TOLUENE	NA
TOTAL 1,2-DICHLOROETHENE	NA
TOTAL XYLENES	NA
TRANS-1,2-DICHLOROETHENE	NA
TRANS-1,3-DICHLOROPROPENE	NA
TRICHLOROETHENE	NA
TRICHLOROFLUOROMETHANE	NA
VINYL ACETATE	NA

LOCATION	**SB-802**
SAMPLE ID	**F-SB-802-SS**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SS**
TOP DEPTH	**1**
BOTTOM DEPTH	**1**
VINYL CHLORIDE	NA
SEMIVOLATILES (UG/KG)	
1,1-BIPHENYL	NA
1,2,4-TRICHLOROBENZENE	NA
1,2-DICHLOROBENZENE	NA
1,3-DICHLOROBENZENE	NA
1,4-DICHLOROBENZENE	NA
1,4-DIOXANE	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA
2,4,5-TRICHLOROPHENOL	NA
2,4,6-TRICHLOROPHENOL	NA
2,4-DICHLOROPHENOL	NA
2,4-DIMETHYLPHENOL	NA
2,4-DINITROPHENOL	NA
2,4-DINITROTOLUENE	NA
2,6-DINITROTOLUENE	NA
2-CHLORONAPHTHALENE	NA
2-CHLOROPHENOL	NA
2-METHYLPHENOL	NA
2-NITROANILINE	NA
2-NITROPHENOL	NA
3&4-METHYLPHENOL	NA
3,3'-DICHLOROBENZIDINE	NA
3-NITROANILINE	NA
4,6-DINITRO-2-METHYLPHENOL	NA
4-BROMOPHENYL PHENYL ETHER	NA
4-CHLORO-3-METHYLPHENOL	NA
4-CHLOROANILINE	NA
4-CHLOROPHENYL PHENYL ETHER	NA
4-METHYLPHENOL	NA
4-NITROANILINE	NA
4-NITROPHENOL	NA
ACETOPHENONE	NA
ANILINE	NA
ATRAZINE	NA
AZOBENZENE	NA
BENZALDEHYDE	NA
BENZIDINE	NA
BENZOIC ACID	NA
BENZYL ALCOHOL	NA
BIS(2-CHLOROETHOXY)METHANE	NA
BIS(2-CHLOROETHYL)ETHER	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA
BUTYL BENZYL PHTHALATE	NA
CAPROLACTAM	NA
CARBAZOLE	NA
DIBENZOFURAN	NA
DIETHYL PHTHALATE	NA
DIMETHYL PHTHALATE	NA
DI-N-BUTYL PHTHALATE	NA
DI-N-OCTYL PHTHALATE	NA
HEXACHLOROBENZENE	NA
HEXACHLOROBUTADIENE	NA
HEXACHLOROCYCLOPENTADIENE	NA
HEXACHLOROETHANE	NA
ISOPHORONE	NA
NITROBENZENE	NA
N-NITROSODIMETHYLAMINE	NA
N-NITROSO-DI-N-PROPYLAMINE	NA
N-NITROSODIPHENYLAMINE	NA
PENTACHLOROPHENOL	NA
PHENOL	NA
PYRIDINE	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)	
1-METHYLNAPHTHALENE	NA
2-METHYLNAPHTHALENE	NA
ACENAPHTHENE	NA
ACENAPHTHYLENE	NA
ANTHRACENE	NA
BAP EQUIVALENT-HALFND	NA
BAP EQUIVALENT-POS	NA
BENZO(A)ANTHRACENE	NA
BENZO(A)PYRENE	NA
BENZO(B)FLUORANTHENE	NA
BENZO(B+K)FLUORANTHENE	NA
BENZO(G,H,I)PERYLENE	NA
BENZO(K)FLUORANTHENE	NA
C1-CHRYSENES	NA

LOCATION	**SB-802**
SAMPLE ID	**F-SB-802-SS**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SS**
TOP DEPTH	**1**
BOTTOM DEPTH	**1**
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA
C1-FLUORANTHENES/PYRENES	NA
C1-FLUORENES	NA
C1-PHENANTHRENES/ANTHRACENES	NA
C2-CHRYSENES	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA
C2-FLUORENES	NA
C2-NAPHTHALENES	NA
C2-PHENANTHRENES/ANTHRACENES	NA

LOCATION	SB-802
SAMPLE ID	F-SB-802-SS
SAMPLE DATE	20100910
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SS
TOP DEPTH	1
BOTTOM DEPTH	1
C3-CHRYSENES	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA
C3-FLUORENES	NA
C3-NAPHTHALENES	NA
C3-PHENANTHRENES/ANTHRACENES	NA
C4-CHRYSENES	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA
C4-NAPHTHALENES	NA
C4-PHENANTHRENES/ANTHRACENES	NA
CHRYSENE	NA
DIBENZO(A,H)ANTHRACENE	NA
FLUORANTHENE	NA
FLUORENE	NA
INDENO(1,2,3-CD)PYRENE	NA
NAPHTHALENE	NA
PHENANTHRENE	NA
PYRENE	NA
TOTAL PAHS	NA
PESTICIDES/PCBS (UG/KG)	
4,4'-DDD	NA
4,4'-DDE	NA
4,4'-DDT	NA
ALDRIN	NA
ALPHA-BHC	NA
ALPHA-CHLORDANE	NA
AROCLOR-1016	NA
AROCLOR-1221	NA
AROCLOR-1232	NA
AROCLOR-1242	NA
AROCLOR-1248	NA
AROCLOR-1254	NA
AROCLOR-1260	NA
BETA-BHC	NA
DELTA-BHC	NA
DIELDRIN	NA
ENDOSULFAN I	NA
ENDOSULFAN II	NA
ENDOSULFAN SULFATE	NA
ENDRIN	NA
ENDRIN ALDEHYDE	NA
ENDRIN KETONE	NA
GAMMA-BHC (LINDANE)	NA
GAMMA-CHLORDANE	NA
HEPTACHLOR	NA
HEPTACHLOR EPOXIDE	NA
METHOXYCHLOR	NA
TOTAL AROCLOR	NA
TOXAPHENE	NA
METALS (MG/KG)	
ANTIMONY	NA
ARSENIC	NA
BARIUM	NA
BERYLLIUM	NA
CADMIUM	NA
CHROMIUM	NA
COBALT	NA
COPPER	NA
IRON	NA
LEAD	NA
MANGANESE	NA
MERCURY	0.017 UR
MOLYBDENUM	NA
NICKEL	NA
SELENIUM	NA
SILVER	NA
THALLIUM	NA
VANADIUM	NA
ZINC	NA
PETROLEUM HYDROCARBONS (UG/KG)	
DIESEL RANGE ORGANICS	NA
GASOLINE RANGE ORGANICS	NA
TPH (C09-C36)	NA
TPH (C10-C32)	NA
MISCELLANEOUS PARAMETERS (%)	
PERCENT SOLIDS	NA
TOTAL SOLIDS	NA
MISCELLANEOUS PARAMETERS (MG/KG)	
HEXAVALENT CHROMIUM	NA

LOCATION	**SB-802**
SAMPLE ID	**F-SB-802-SS**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SS**
TOP DEPTH	**1**
BOTTOM DEPTH	**1**
TOTAL ORGANIC CARBON	NA
MISCELLANEOUS PARAMETERS (S.U.)	
PH	NA
MISCELLANEOUS PARAMETERS (UG/KG)	
MERCURY (METHYL)	NA
RADIONUCLIDES (PCI/G)	
ACTINIUM-228	NA
ALUMINUM-26	NA
AMERICIUM-241	NA
ANTIMONY-124	NA
ANTIMONY-125	NA
BERYLLIUM-7	NA
BISMUTH-212	NA
BISMUTH-214	NA
CERIUM-139	NA
CERIUM-144	NA
CESIUM-134	NA
CESIUM-137	NA
CHROMIUM-51	NA
COBALT-56	NA
COBALT-57	NA
COBALT-58	NA
COBALT-60	NA
EUROPIUM-152	NA
EUROPIUM-154	NA
EUROPIUM-155	NA
IODINE-131	NA
IRON-59	NA
LEAD-212	NA
LEAD-214	NA
MANGANESE-54	NA
NIOBIUM-94	NA
NIOBIUM-95	NA
POTASSIUM-40	NA
PROTACTINIUM-234	NA
RADIUM-226	NA
RUTHENIUM-106	NA
SCANDIUM-46	NA
SILVER-110	NA
SODIUM-22	NA
THALLIUM-208	NA
THORIUM-227	NA
THORIUM-234	NA
URANIUM-235	NA
ZINC-65	NA

LOCATION	SB-022	SB-023	SB-024	SB-025	SB-030	SB-050	SB-055
SAMPLE ID	SB-22A-SS	SB-23A-SS	SB-24A-SS	SB-25A-SS	SB-30A-SS	SB-50-SS	SB-55-SS
SAMPLE DATE	20040915	20040915	20040915	20040915	20040915	20040915	20040915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,1,1-TRICHLOROETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,1,2,2-TETRACHLOROETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,1,2-TRICHLOROETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,1-DICHLOROETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,1-DICHLOROETHENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,1-DICHLOROPROPENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2,3-TRICHLOROBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2,3-TRICHLOROPROPANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2,4-TRIMETHYLBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2-DIBROMO-3-CHLOROPROPANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2-DIBROMOETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2-DICHLOROBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2-DICHLOROETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,2-DICHLOROPROPANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,3,5-TRIMETHYLBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,3-DICHLOROBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,3-DICHLOROPROPANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
2-BUTANONE	66 U	55 U	61 U	60 U	53 U	NA	53 U
2-CHLOROETHYL VINYL ETHER	7 U	6 U	6 U	6 U	5 U	NA	5 U
2-CHLOROTOLUENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
2-HEXANONE	66 U	55 U	61 U	60 U	53 U	NA	53 U
4-CHLOROTOLUENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
4-ISOPROPYLTOLUENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
4-METHYL-2-PENTANONE	66 U	55 U	61 U	60 U	53 U	NA	53 U
ACETONE	89 J	55 UJ	61 UJ	60 UJ	53 UJ	NA	53 UJ
BENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
BROMOBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
BROMOCHLOROMETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
BROMODICHLOROMETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
BROMOFORM	7 U	6 U	6 U	6 U	5 U	NA	5 U
BROMOMETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
CARBON DISULFIDE	7 U	6 U	6 U	6 U	5 U	NA	5 U
CARBON TETRACHLORIDE	7 U	6 U	6 U	6 U	5 U	NA	5 U
CHLOROBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
CHLORODIBROMOMETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
CHLOROETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
CHLOROFORM	7 U	6 U	6 U	6 U	5 U	NA	5 U
CHLOROMETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
CIS-1,2-DICHLOROETHENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
CIS-1,3-DICHLOROPROPENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
DIBROMOMETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
DICHLORODIFLUOROMETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
M+P-XYLENES	13 U	11 U	12 U	12 U	11 U	NA	11 U
METHYL TERT-BUTYL ETHER	7 U	6 U	6 U	6 U	5 U	NA	5 U
METHYLENE CHLORIDE	11 B	6 U	6 U	6 U	5 U	NA	5 U
NAPHTHALENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
N-BUTYLBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
N-PROPYLBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
O-XYLENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
SEC-BUTYLBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
STYRENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
TOLUENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
TRANS-1,3-DICHLOROPROPENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
TRICHLOROETHENE	7 U	6 U	6 U	6 U	5 U	NA	5 U
TRICHLOROFLUOROMETHANE	7 U	6 U	6 U	6 U	5 U	NA	5 U
VINYL ACETATE	7 U	6 U	6 U	6 U	5 U	NA	5 U

LOCATION	SB-022	SB-023	SB-024	SB-025	SB-030	SB-050	SB-055
SAMPLE ID	SB-22A-SS	SB-23A-SS	SB-24A-SS	SB-25A-SS	SB-30A-SS	SB-50-SS	SB-55-SS
SAMPLE DATE	20040915	20040915	20040915	20040915	20040915	20040915	20040915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1
VINYL CHLORIDE	7 U	6 U	6 U	6 U	5 U	NA	5 U
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	430 U	380 U	400 U	400 U	360 U	NA	350 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	430 U	380 U	400 U	400 U	360 U	NA	350 U
2,4,5-TRICHLOROPHENOL	1100 U	950 U	1000 U	990 U	900 U	NA	890 U
2,4,6-TRICHLOROPHENOL	430 U	380 U	400 U	400 U	360 U	NA	350 U
2,4-DICHLOROPHENOL	430 U	380 U	400 U	400 U	360 U	NA	350 U
2,4-DIMETHYLPHENOL	430 U	380 U	400 U	400 U	360 U	NA	350 U
2,4-DINITROPHENOL	1100 U	950 U	1000 U	990 U	900 U	NA	890 U
2,4-DINITROTOLUENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
2,6-DINITROTOLUENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
2-CHLORONAPHTHALENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
2-CHLOROPHENOL	430 U	380 U	400 U	400 U	360 U	NA	350 U
2-METHYLPHENOL	430 U	380 U	400 U	400 U	360 U	NA	350 U
2-NITROANILINE	1100 U	950 U	1000 U	990 U	900 U	NA	890 U
2-NITROPHENOL	430 U	380 U	400 U	400 U	360 U	NA	350 U
3&4-METHYLPHENOL	430 U	380 U	400 U	400 U	360 U	NA	350 U
3,3'-DICHLOROBENZIDINE	430 U	380 U	400 U	400 U	360 U	NA	350 U
3-NITROANILINE	1100 U	950 U	1000 U	990 U	900 U	NA	890 U
4,6-DINITRO-2-METHYLPHENOL	1000 U	870 U	930 U	910 U	830 U	NA	820 U
4-BROMOPHENYL PHENYL ETHER	430 U	380 U	400 U	400 U	360 U	NA	350 U
4-CHLORO-3-METHYLPHENOL	430 U	380 U	400 U	400 U	360 U	NA	350 U
4-CHLOROANILINE	430 U	380 U	400 U	400 U	360 U	NA	350 U
4-CHLOROPHENYL PHENYL ETHER	430 U	380 U	400 U	400 U	360 U	NA	350 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1100 U	950 U	1000 U	990 U	900 U	NA	890 U
4-NITROPHENOL	1100 U	950 U	1000 U	990 U	900 U	NA	890 U
ACETOPHENONE	430 U	380 U	400 U	400 U	360 U	NA	350 U
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	430 U	380 U	400 U	400 U	360 U	NA	350 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	430 U	380 U	400 U	400 U	360 U	NA	350 U
BIS(2-CHLOROETHYL)ETHER	430 U	380 U	400 U	400 U	360 U	NA	350 U
BIS(2-ETHYLHEXYL)PHTHALATE	430 U	380 U	400 U	400 U	360 U	NA	350 U
BUTYL BENZYL PHTHALATE	430 U	380 U	400 U	400 U	360 U	NA	350 U
CAPROLACTAM	430 U	380 U	400 U	400 U	360 U	NA	350 U
CARBAZOLE	430 U	380 U	400 U	400 U	360 U	NA	350 U
DIBENZOFURAN	430 U	380 U	400 U	400 U	360 U	NA	350 U
DIETHYL PHTHALATE	430 U	380 U	400 U	400 U	360 U	NA	350 U
DIMETHYL PHTHALATE	430 U	60 J	400 U	400 U	360 U	NA	350 U
DI-N-BUTYL PHTHALATE	430 U	380 U	400 U	400 U	360 U	NA	350 U
DI-N-OCTYL PHTHALATE	430 U	380 U	400 U	400 U	360 U	NA	350 U
HEXACHLOROBENZENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
HEXACHLOROBUTADIENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
HEXACHLOROCYCLOPENTADIENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
HEXACHLOROETHANE	430 U	380 U	400 U	400 U	360 U	NA	350 U
ISOPHORONE	430 U	380 U	400 U	400 U	360 U	NA	350 U
NITROBENZENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	430 U	380 U	400 U	400 U	360 U	NA	350 U
N-NITROSODIPHENYLAMINE	430 U	380 U	400 U	400 U	360 U	NA	350 U
PENTACHLOROPHENOL	1100 U	950 U	1000 U	990 U	900 U	NA	890 U
PHENOL	430 U	420	400 U	400 U	360 U	NA	350 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
ACENAPHTHENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
ACENAPHTHYLENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
ANTHRACENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
BAP EQUIVALENT-HALFND	430 U	380 U	298	400 U	401	NA	313
BAP EQUIVALENT-POS	430 U	380 U	78	400 U	4.8	NA	121
BENZO(A)ANTHRACENE	430 U	380 U	74 J	400 U	44 J	NA	110 J
BENZO(A)PYRENE	430 U	380 U	63 J	400 U	360 U	NA	99 J
BENZO(B)FLUORANTHENE	430 U	380 U	66 J	400 U	360 U	NA	94 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	430 U	380 U	400 U	400 U	360 U	NA	70 J
BENZO(K)FLUORANTHENE	430 U	380 U	57 J	400 U	37 J	NA	110 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-022	SB-023	SB-024	SB-025	SB-030	SB-050	SB-055
SAMPLE ID	SB-22A-SS	SB-23A-SS	SB-24A-SS	SB-25A-SS	SB-30A-SS	SB-50-SS	SB-55-SS
SAMPLE DATE	20040915	20040915	20040915	20040915	20040915	20040915	20040915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-022	SB-023	SB-024	SB-025	SB-030	SB-050	SB-055
SAMPLE ID	SB-22A-SS	SB-23A-SS	SB-24A-SS	SB-25A-SS	SB-30A-SS	SB-50-SS	SB-55-SS
SAMPLE DATE	20040915	20040915	20040915	20040915	20040915	20040915	20040915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	430 U	380 U	77 J	400 U	55 J	NA	130 J
DIBENZO(A,H)ANTHRACENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
FLUORANTHENE	57 J	380 U	170 J	400 U	84 J	NA	270 J
FLUORENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
INDENO(1,2,3-CD)PYRENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
NAPHTHALENE	430 U	380 U	400 U	400 U	360 U	NA	350 U
PHENANTHRENE	44 J	380 U	92 J	400 U	74 J	NA	160 J
PYRENE	430 U	380 U	110 J	400 U	110 J	NA	160 J
TOTAL PAHS	101	0 U	709	0 U	404	NA	1203
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	42 U
4,4'-DDE	NA	NA	NA	NA	NA	NA	42 U
4,4'-DDT	NA	NA	NA	NA	NA	NA	42 U
ALDRIN	NA	NA	NA	NA	NA	NA	42 U
ALPHA-BHC	NA	NA	NA	NA	NA	NA	42 U
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	42 U
AROCLOR-1016	320 U	280 U	300 U	300 U	270 U	NA	260 U
AROCLOR-1221	320 U	280 U	300 U	300 U	270 U	NA	260 U
AROCLOR-1232	320 U	280 U	300 U	300 U	270 U	NA	260 U
AROCLOR-1242	320 U	280 U	300 U	300 U	270 U	NA	260 U
AROCLOR-1248	320 U	280 U	300 U	300 U	270 U	NA	260 U
AROCLOR-1254	320 U	280 U	300 U	300 U	270 U	NA	260 U
AROCLOR-1260	320 U	280 U	300 U	300 U	270 U	NA	260 U
BETA-BHC	NA	NA	NA	NA	NA	NA	42 U
DELTA-BHC	NA	NA	NA	NA	NA	NA	42 U
DIELDRIN	NA	NA	NA	NA	NA	NA	42 U
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	42 U
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	42 U
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	42 U
ENDRIN	NA	NA	NA	NA	NA	NA	42 U
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	42 U
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	42 U
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	42 U
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	42 U
HEPTACHLOR	NA	NA	NA	NA	NA	NA	42 U
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	42 U
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	42 U
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	1000 U
METALS (MG/KG)							
ANTIMONY	3 U	2.6 U	2.8 U	2.7 U	2.7 UR	2.4 U	2.7 UR
ARSENIC	1.3	2.2	3.4	0.6	2.3 L	3.2	1.5 L
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	3 U	2.6 U	2.8 U	5	2.7 U	2.4 U	2.7 U
CADMIUM	3 U	2.6 U	2.8 U	2.7 U	2.7 UL	2.4 U	2.7 UL
CHROMIUM	8.1	13	18	18	8.7 L	9.4	13 L
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	4.9 K	5.3	36	15	4.4 K	17	74
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	3 U	5.4	67	5.9	4.5 J	33	420 J
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.12 U	0.1 U	1.4	0.11 U	0.11 UL	0.42	0.11 UL
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	4.6 K	7.1	14	27	4.5 K	8.5	13
SELENIUM	3 U	2.6 U	2.8 U	2.7 U	2.7 UL	2.4 U	2.7 UL
SILVER	3.2 U	3.4	2.9 U	2.9 U	2.7 UR	2.3 U	2.7 UR
THALLIUM	2.4 UL	2 U	2.2 U	2.2 UL	2.2 UL	1.9 U	2.1 UL
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	30 U	26 U	120	48 K	27 UL	100	58 J
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	13000 U	11000 U	12000 U	12000 U	10000 U	NA	13000
GASOLINE RANGE ORGANICS	130 U	110 U	120 U	1200	110 U	NA	110 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-022	SB-023	SB-024	SB-025	SB-030	SB-050	SB-055
SAMPLE ID	SB-22A-SS	SB-23A-SS	SB-24A-SS	SB-25A-SS	SB-30A-SS	SB-50-SS	SB-55-SS
SAMPLE DATE	20040915	20040915	20040915	20040915	20040915	20040915	20040915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-056	SB-093	SB-094	SB-095	SB-096	SB-236	SB-236	SB-237	SB-237
SAMPLE ID	SB-56-SS	SB-93-SS	SB-94-SS	SB-95-SS	SB-96-SS	SB-236-01	SB-236-SS	SB-237-01	SB-237-SS
SAMPLE DATE	20040913	20040916	20040916	20040916	20040916	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	0	0	1	0	1	0
BOTTOM DEPTH	1	1	1	1	1	2	1	2	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,1-DICHLOROETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,1-DICHLOROETHENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,1-DICHLOROPROPENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2-DIBROMOETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2-DICHLOROBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2-DICHLOROETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,2-DICHLOROPROPANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,3-DICHLOROBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,3-DICHLOROPROPANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
2-BUTANONE	82 U	66 U	54 U	62 U	57 UJ	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
2-CHLOROTOLUENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
2-HEXANONE	82 U	66 U	54 U	62 U	57 UJ	NA	NA	NA	NA
4-CHLOROTOLUENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
4-METHYL-2-PENTANONE	82 U	66 U	54 U	62 U	57 UJ	NA	NA	NA	NA
ACETONE	82 U	66 U	54 U	62 U	57 UJ	NA	NA	NA	NA
BENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
BROMOBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
BROMOCHLOROMETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
BROMODICHLOROMETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
BROMOFORM	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
BROMOMETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CARBON DISULFIDE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CARBON TETRACHLORIDE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CHLOROBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CHLORODIBROMOMETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CHLOROETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CHLOROFORM	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CHLOROMETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
DIBROMOMETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
M+P-XYLENES	16 U	13 U	11 U	12 U	11 UJ	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
METHYLENE CHLORIDE	8 U	7 U	5 U	6 U	8 J	NA	NA	NA	NA
NAPHTHALENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
N-BUTYLBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
N-PROPYLBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
O-XYLENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
SEC-BUTYLBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
STYRENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
TOLUENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
TRICHLOROETHENE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
VINYL ACETATE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA

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SAMPLE DATE	20040913	20040916	20040916	20040916	20040916	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	0	0	1	0	1	0
BOTTOM DEPTH	1	1	1	1	1	2	1	2	1
VINYL CHLORIDE	8 U	7 U	5 U	6 U	6 UJ	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1400 U	11000 U	9000 U	1000 U	960 U	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2,4-DICHLOROPHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2,4-DINITROPHENOL	1400 U	11000 U	9000 U	1000 U	960 U	NA	NA	NA	NA
2,4-DINITROTOLUENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2,6-DINITROTOLUENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2-CHLORONAPHTHALENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2-CHLOROPHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2-METHYLPHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
2-NITROANILINE	1400 U	11000 U	9000 U	1000 U	960 U	NA	NA	NA	NA
2-NITROPHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
3&4-METHYLPHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
3-NITROANILINE	1400 U	11000 U	9000 U	1000 U	960 U	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	1300 U	10000 U	8200 U	960 U	880 U	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
4-CHLOROANILINE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1400 U	11000 U	9000 U	1000 U	960 U	NA	NA	NA	NA
4-NITROPHENOL	1400 U	11000 U	9000 U	1000 U	960 U	NA	NA	NA	NA
ACETOPHENONE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
CAPROLACTAM	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
CARBAZOLE	560 U	4500 U	3600 U	190 J	380 U	NA	NA	NA	NA
DIBENZOFURAN	560 U	4500 U	3600 U	54 J	380 U	NA	NA	NA	NA
DIETHYL PHTHALATE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	560 U	4500 U	3600 U	53 J	380 U	NA	NA	NA	NA
HEXACHLOROBENZENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
HEXACHLOROETHANE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
ISOPHORONE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
NITROBENZENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
PENTACHLOROPHENOL	1400 U	11000 U	9000 U	1000 U	960 U	NA	NA	NA	NA
PHENOL	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
ACENAPHTHENE	560 U	4500 U	3600 U	160 J	380 U	NA	NA	NA	NA
ACENAPHTHYLENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
ANTHRACENE	560 U	4500 U	3600 U	380 J	380 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	560 U	4189	2874	2132	380 U	NA	NA	NA	NA
BAP EQUIVALENT-POS	560 U	1939	1074	2132	380 U	NA	NA	NA	NA
BENZO(A)ANTHRACENE	560 U	1800 J	880 J	1600	380 U	NA	NA	NA	NA
BENZO(A)PYRENE	560 U	1500 J	850 J	1600	380 U	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	560 U	1600 J	890 J	1800	380 U	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	560 U	1000 J	3600 U	1000 J	380 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	560 U	1500 J	1000 J	1600	380 U	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE DATE	20040913	20040916	20040916	20040916	20040916	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	0	0	1	0	1	0
BOTTOM DEPTH	1	1	1	1	1	2	1	2	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-056	SB-093	SB-094	SB-095	SB-096	SB-236	SB-236	SB-237	SB-237
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SAMPLE DATE	20040913	20040916	20040916	20040916	20040916	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	0	0	1	0	1	0
BOTTOM DEPTH	1	1	1	1	1	2	1	2	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	560 U	2300 J	1100 J	1700	380 U	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	560 U	4500 U	3600 U	75 J	380 U	NA	NA	NA	NA
FLUORANTHENE	560 U	3400 J	2000 J	3300	380 U	NA	NA	NA	NA
FLUORENE	560 U	4500 U	3600 U	130 J	380 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	560 U	820 J	360 J	990	380 U	NA	NA	NA	NA
NAPHTHALENE	560 U	4500 U	3600 U	420 U	380 U	NA	NA	NA	NA
PHENANTHRENE	560 U	1600 J	1100 J	1600	380 U	NA	NA	NA	NA
PYRENE	560 U	4000 J	1400 J	2500	380 U	NA	NA	NA	NA
TOTAL PAHS	0 U	19520	9580	18435	0 U	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
4,4'-DDE	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
4,4'-DDT	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ALDRIN	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ALPHA-BHC	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ALPHA-CHLORDANE	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
AROCLOR-1016	410 U	330 U	1300 U	300 U	280 U	NA	NA	NA	NA
AROCLOR-1221	410 U	330 U	1300 U	300 U	280 U	NA	NA	NA	NA
AROCLOR-1232	410 U	330 U	1300 U	300 U	280 U	NA	NA	NA	NA
AROCLOR-1242	410 U	330 U	1300 U	300 U	280 U	NA	NA	NA	NA
AROCLOR-1248	410 U	330 U	1300 U	300 U	280 U	NA	NA	NA	NA
AROCLOR-1254	410 U	330 U	1300 U	300 U	280 U	NA	NA	NA	NA
AROCLOR-1260	410 U	800	1400	300 U	280 U	NA	NA	NA	NA
BETA-BHC	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
DELTA-BHC	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
DIELDRIN	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ENDOSULFAN I	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ENDOSULFAN II	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ENDOSULFAN SULFATE	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ENDRIN	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ENDRIN ALDEHYDE	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
ENDRIN KETONE	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
GAMMA-CHLORDANE	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
HEPTACHLOR	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
METHOXYCHLOR	33 U	54 U	42 U	49 U	23 U	NA	NA	NA	NA
TOTAL AROCLOR	0 U	800	1400	0 U	0 U	NA	NA	NA	NA
TOXAPHENE	820 U	1300 U	1100 U	1200 U	570 U	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	4 UR	3.1 UR	2.6 UR	3 UR	2.9 UR	2 L	0.5 L	4 L	0.4 L
ARSENIC	2.9 L	1.8 L	2.1 L	2 L	2 L	4	3	5	3 B
BARIUM	NA	NA	NA	NA	NA	83	36	68	42
BERYLLIUM	4 U	3.1 UL	2.6 UL	3 UL	2.9 UL	0.7	1.4	0.6	1.6
CADMIUM	4 UL	3.5 L	4.5 L	3 UL	2.9 UL	0.4	0.3	0.3	0.4
CHROMIUM	14 L	110	25	14	9.3 K	19.8	17.7	185	19.8
COBALT	NA	NA	NA	NA	NA	5.8	6.8	5.1	5.6
COPPER	11	21 L	21 L	34 L	5.1 L	22	14	33	12
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	6.3 J	73 L	65 L	100 L	3.2 L	51	11	63	8 B
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.16 UL	0.68	0.97	0.15	0.12 U	0.92 L	0.29 L	0.35	0.06
MOLYBDENUM	NA	NA	NA	NA	NA	0.6 B	0.4 B	63	0.6 B
NICKEL	5.1 K	11	11	8.1	5.4 K	12	12	18	12
SELENIUM	4 UL	3.1 UL	2.6 UL	3 UL	2.9 UL	2 U	2	4	2
SILVER	4 UR	3.1 UR	2.6 UR	3 UR	2.9 UR	0.9	0.04 U	1.4	0.05 U
THALLIUM	3.2 UL	2.5 UL	2 UL	2.4 UL	2.3 UL	1 U	0.8 U	0.8 U	0.9 U
VANADIUM	NA	NA	NA	NA	NA	31	29.9	41.9	31
ZINC	40 UL	100 K	92 K	81 K	29 U	82	35	99	28
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	17000 U	150000	67000	12000 U	11000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	170 U	130 U	110 U	120 U	110 U	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	0.4 U	NA

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SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SB	SS	SB	SS
TOP DEPTH	0	0	0	0	0	1	0	1	0
BOTTOM DEPTH	1	1	1	1	1	2	1	2	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	8.2	8.1	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	0.734 J	0.071 J	1.467 J	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-238	SB-238	SB-250	SB-250	SB-251	SB-251	SB-252	SB-252	SB-253
SAMPLE ID	SB-238-01	SB-238-SS	SB-250-02	SB-250-SS	SB-251-02	SB-251-SS	SB-252-02	SB-252-SS	SB-253-02
SAMPLE DATE	20050517	20050517	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1	0	1
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	4.4 U	5.2 U	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	2.19 U	2.59 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	4.37 U	5.18 U	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	109 UR	129 UR	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	2.87 J	3.14 J	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	2.2 UR	2.6 UR	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	8.75 U	10.4 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	2.19 U	2.59 U	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	8.7 U	10.4 U	NA	NA	NA	NA	NA	NA	NA
ACETONE	27.2 J	31 J	NA	NA	NA	NA	NA	NA	NA
BENZENE	2.19 U	2.59 U	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	0.72 J	7.1	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	4.4 U	5.2 U	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	3.3 J	5.2 U	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
STYRENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	9 U	10 U	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
TOLUENE	1.9 J	1.2 J	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	6.6 U	7.8 U	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-238	SB-238	SB-250	SB-250	SB-251	SB-251	SB-252	SB-252	SB-253
SAMPLE ID	SB-238-01	SB-238-SS	SB-250-02	SB-250-SS	SB-251-02	SB-251-SS	SB-252-02	SB-252-SS	SB-253-02
SAMPLE DATE	20050517	20050517	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1	0	1
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
VINYL CHLORIDE	2.2 U	2.6 U	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	395 U	371 U	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	120 U	112 U	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	407 U	382 UJ	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	407 U	382 UJ	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	598 U	562 UJ	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	84 U	79 UJ	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	84 U	79 UJ	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	203 U	191 UJ	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	203 U	191 UJ	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	802 U	752 U	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	203 U	191 UJ	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	407 U	382 UJ	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	120 U	112 U	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	203 U	191 UJ	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	120 U	112 UJ	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	407 U	382 UJ	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	802 UR	752 UR	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	802 U	752 U	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	120 U	112 U	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	120 U	112 U	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	84 U	79 UJ	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	203 U	191 UJ	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	203 U	40 J	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	120 U	112 UJ	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	407 U	382 UJ	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	407 U	382 UJ	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	203 U	191 UJ	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	84 U	79 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	407 U	382 UJ	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	120 U	112 U	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	203 U	191 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	120 U	112 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	120 U	112 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	120 U	112 U	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	1000 U	943 U	NA	NA	NA	NA	NA	NA	NA
PHENOL	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	407 U	382 U	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	83.7 U	78.6 U	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	84 U	79 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	84 U	79 UJ	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	84 U	79 UJ	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	84 U	54 J	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	140	424	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	98	424	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	75 J	241 J	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	74 J	245 J	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	90	254 J	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	75 J	344 J	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	87	225 J	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-238	SB-238	SB-250	SB-250	SB-251	SB-251	SB-252	SB-252	SB-253
SAMPLE ID	SB-238-01	SB-238-SS	SB-250-02	SB-250-SS	SB-251-02	SB-251-SS	SB-252-02	SB-252-SS	SB-253-02
SAMPLE DATE	20050517	20050517	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1	0	1
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-238	SB-238	SB-250	SB-250	SB-251	SB-251	SB-252	SB-252	SB-253
SAMPLE ID	SB-238-01	SB-238-SS	SB-250-02	SB-250-SS	SB-251-02	SB-251-SS	SB-252-02	SB-252-SS	SB-253-02
SAMPLE DATE	20050517	20050517	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1	0	1
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	92	287 J	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	84 U	100 J	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	142	546	NA	NA	NA	NA	NA	NA	NA
FLUORENE	84 U	79 UJ	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	67 J	274 J	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	84 U	79 U	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	58 J	249	NA	NA	NA	NA	NA	NA	NA
PYRENE	120	685 J	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	880	3504	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	37 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	39 U	37 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	39 U	37 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	39 U	37 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	39 U	37 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	39 U	37 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	39 U	154	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	154	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.3 UL	1 L	0.6 L	0.8 L	0.9 L	1 L	0.8 L	0.7 L	0.9 L
ARSENIC	3	3	3 B	1 B	5	3 B	4	2 B	3 B
BARIUM	41	86	30	37	40	40	27	31	36
BERYLLIUM	1.8	1.3	1	0.7	1	0.7	0.5	0.6	0.7
CADMIUM	0.6	2	0.2 B	0.2 B	0.1 B	0.2 B	0.2 B	0.1 B	0.09 B
CHROMIUM	27.4	36.4	15.5	11.8	20.8	15.8	15.6	11.8	14
COBALT	8.4	6.4	2.8	5.8	7.1	5.9	3.5	3.6	4
COPPER	16	23	10	6	10	6	7	4	5
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	30	148	5 B	17	7 B	7 B	6 B	10	5 B
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.08	0.24	0.03	0.04	0.01	0.02	0.04	0.04	0.03
MOLYBDENUM	0.8 B	1 B	0.6 B	0.5 B	0.5 B	0.6 U	0.7 B	0.4 U	0.5 B
NICKEL	22	21	6 B	8	9	9 B	6 B	6 B	5 B
SELENIUM	2 U	2 U	2 U	2	3	2 U	2 U	2 U	3
SILVER	0.06 U	0.06 U	0.06 U	0.05 B	0.05 U	0.06 U	0.05 U	0.04 U	0.2 B
THALLIUM	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.8 U	0.9 U
VANADIUM	35.9	49	27.2	20.5	35.6	24.8	27.9	20.3	25.5
ZINC	54	167	25	32	34	29	24	25	20
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	55700	271000	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	10300 U	13.1 U	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	0.36 U	0.49	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-238	SB-238	SB-250	SB-250	SB-251	SB-251	SB-252	SB-252	SB-253
SAMPLE ID	SB-238-01	SB-238-SS	SB-250-02	SB-250-SS	SB-251-02	SB-251-SS	SB-252-02	SB-252-SS	SB-253-02
SAMPLE DATE	20050517	20050517	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1	0	1
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-253	SB-265	SB-265	SB-266	SB-266	SB-267	SB-267	SB-268	SB-268
SAMPLE ID	SB-253-SS	SB-265-02	SB-265-SS	SB-266-02	SB-266-SS	SB-267-02	SB-267-SS	SB-268-02	SB-268-SS
SAMPLE DATE	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-253	SB-265	SB-265	SB-266	SB-266	SB-267	SB-267	SB-268	SB-268
SAMPLE ID	SB-253-SS	SB-265-02	SB-265-SS	SB-266-02	SB-266-SS	SB-267-02	SB-267-SS	SB-268-02	SB-268-SS
SAMPLE DATE	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
1,2-DICHLOROBENZENE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
1,3-DICHLOROBENZENE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
1,4-DICHLOROBENZENE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
1,4-DIOXANE	NA	364 U	358 U	386 U	366 U	387 U	375 U	393 U	7870 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
2,4,5-TRICHLOROPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
2,4,6-TRICHLOROPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
2,4-DICHLOROPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
2,4-DIMETHYLPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
2,4-DINITROPHENOL	NA	552 U	543 U	585 U	554 U	586 U	568 U	596 U	11900 U
2,4-DINITROTOLUENE	NA	77 U	76 U	82 U	78 U	82 U	80 U	83 U	1670 U
2,6-DINITROTOLUENE	NA	77 U	76 U	82 U	78 U	82 U	80 U	83 U	1670 U
2-CHLORONAPHTHALENE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
2-CHLOROPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
2-METHYLPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
2-NITROANILINE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
2-NITROPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
3&4-METHYLPHENOL	NA	740 U	727 U	784 U	743 U	785 U	761 U	798 U	16000 U
3,3'-DICHLOROBENZIDINE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
3-NITROANILINE	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
4,6-DINITRO-2-METHYLPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
4-BROMOPHENYL PHENYL ETHER	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
4-CHLORO-3-METHYLPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
4-CHLOROANILINE	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
4-CHLOROPHENYL PHENYL ETHER	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
4-NITROPHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	740 U	727 U	784 U	743 U	785 U	761 U	798 U	16000 U
BENZOIC ACID	NA	740 U	152 J	784 U	157 J	333 J	925	180 J	16000 U
BENZYL ALCOHOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
BIS(2-CHLOROETHOXY)METHANE	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
BIS(2-CHLOROETHYL)ETHER	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	77 U	40 J	82 U	78 U	82 U	80 U	83 U	1670 U
BUTYL BENZYL PHTHALATE	NA	188 U	25 J	199 U	188 U	199 U	193 U	203 U	4050 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	43 J	242	199 U	158 J	199 U	193 U	448	4640
DIBENZOFURAN	NA	110 U	86 J	117 U	43 J	117 U	114 U	140	1650 J
DIETHYL PHTHALATE	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
DIMETHYL PHTHALATE	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
DI-N-BUTYL PHTHALATE	NA	32 J	37 J	199 U	38 J	199 U	193 U	37 J	4050 U
DI-N-OCTYL PHTHALATE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
HEXACHLOROBENZENE	NA	77 U	76 U	82 U	78 U	82 U	80 U	83 U	1670 U
HEXACHLOROBUTADIENE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
HEXACHLOROCYCLOPENTADIENE	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
HEXACHLOROETHANE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
ISOPHORONE	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
NITROBENZENE	NA	188 U	184 U	199 U	188 U	199 U	193 U	203 U	4050 U
N-NITROSODIMETHYLAMINE	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
N-NITROSO-DI-N-PROPYLAMINE	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
N-NITROSODIPHENYLAMINE	NA	110 U	109 U	117 U	111 U	117 U	114 U	119 U	2380 U
PENTACHLOROPHENOL	NA	928 U	911 U	983 U	931 U	985 U	955 U	1000 U	20000 U
PHENOL	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
PYRIDINE	NA	375 U	369 U	398 U	377 U	399 U	386 U	405 U	8110 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	77.3 U	76 U	81.9 U	77.6 U	82.1 U	79.5 U	36.5 J	1670 U
2-METHYLNAPHTHALENE	NA	77 U	76 U	82 U	78 U	82 U	80 U	32 J	1670 U
ACENAPHTHENE	NA	77 U	174	82 U	98	82 U	80 U	350	3620
ACENAPHTHYLENE	NA	77 U	135	82 U	44 J	82 U	80 U	49 J	1670 U
ANTHRACENE	NA	109	870	30 J	291	82 U	41 J	1000	9420
BAP EQUIVALENT-HALFND	NA	602	2545	192	1344	145	313	4262	38098
BAP EQUIVALENT-POS	NA	602	2545	151	1344	104	313	4262	38098
BENZO(A)ANTHRACENE	NA	432	1980	121	947	81 J	209	2980	28700
BENZO(A)PYRENE	NA	401	1800	116	977	80 J	212	3130	25600
BENZO(B)FLUORANTHENE	NA	374	2300	129	1090	83	229	4000	26700
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	260 J	450 J	85 J	253 J	59 J	113 J	650 J	13200 J
BENZO(K)FLUORANTHENE	NA	405	1910	111	1100	90	241	2930	23000
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-253	SB-265	SB-265	SB-266	SB-266	SB-267	SB-267	SB-268	SB-268
SAMPLE ID	SB-253-SS	SB-265-02	SB-265-SS	SB-266-02	SB-266-SS	SB-267-02	SB-267-SS	SB-268-02	SB-268-SS
SAMPLE DATE	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-253	SB-265	SB-265	SB-266	SB-266	SB-267	SB-267	SB-268	SB-268
SAMPLE ID	SB-253-SS	SB-265-02	SB-265-SS	SB-266-02	SB-266-SS	SB-267-02	SB-267-SS	SB-268-02	SB-268-SS
SAMPLE DATE	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	461	2090	135	1030	82 J	229	2930	28400
DIBENZO(A,H)ANTHRACENE	NA	86	232	82 UJ	117	82 UJ	41 J	307	5250
FLUORANTHENE	NA	802	4020	245	1940	173	395	8780	63200
FLUORENE	NA	32 J	213	82 U	94	82 U	80 U	331	3580
INDENO(1,2,3-CD)PYRENE	NA	295	635	92 J	340	62 J	138 J	948	14500
NAPHTHALENE	NA	77 U	36 J	82 U	78 U	82 U	80 U	57 J	1670 U
PHENANTHRENE	NA	417	2740	127	1090	47 J	163	3450	36100
PYRENE	NA	637	2570	178	1380	110	286	4530	45200
TOTAL PAHS	NA	4711	22155	1369	10791	867	2297	36454	326470
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	36 U	NA	36 U	NA	38 U	NA	39 U
AROCLOR-1221	NA	NA	36 U	NA	36 U	NA	38 U	NA	39 U
AROCLOR-1232	NA	NA	36 U	NA	36 U	NA	38 U	NA	39 U
AROCLOR-1242	NA	NA	36 U	NA	36 U	NA	38 U	NA	39 U
AROCLOR-1248	NA	NA	36 U	NA	36 U	NA	38 U	NA	39 U
AROCLOR-1254	NA	NA	36 U	NA	36 U	NA	96	NA	39 U
AROCLOR-1260	NA	NA	119	NA	756	NA	73 J	NA	63
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	119	NA	756	NA	169	NA	63
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	1 L	NA	0.5	NA	1	NA	1	NA	2 L
ARSENIC	3 B	NA	5	NA	3 B	NA	3 B	NA	5
BARIUM	49	NA	29	NA	44	NA	79	NA	207
BERYLLIUM	0.6	NA	1.3	NA	0.8	NA	0.8	NA	1.4
CADMIUM	0.4	NA	0.8	NA	1.8	NA	0.7	NA	3
CHROMIUM	14.4	NA	55.8	NA	31.3	NA	16.4	NA	31.8
COBALT	4.9	NA	8.9	NA	8.5	NA	6	NA	11.7
COPPER	9	NA	17	NA	16	NA	16	NA	50
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	31	NA	20	NA	43	NA	91	NA	447
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.07	NA	0.09	NA	0.51	NA	0.07	NA	0.49
MOLYBDENUM	0.5 U	NA	2 B	NA	0.6 B	NA	0.6 U	NA	1 B
NICKEL	8 B	NA	20	NA	14	NA	9	NA	14
SELENIUM	2 U	NA	2 U	NA	3	NA	3	NA	2 U
SILVER	0.2 B	NA	1.1	NA	1.1	NA	0.06 B	NA	0.3 B
THALLIUM	1 U	NA	1 U	NA	1 U	NA	1 U	NA	1 U
VANADIUM	29.5	NA	46.2	NA	33.4	NA	21.6	NA	35.8
ZINC	39	NA	50	NA	85	NA	287	NA	289
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	3.6	NA	2	NA	NA	NA	3.6

LOCATION	SB-253	SB-265	SB-265	SB-266	SB-266	SB-267	SB-267	SB-268	SB-268
SAMPLE ID	SB-253-SS	SB-265-02	SB-265-SS	SB-266-02	SB-266-SS	SB-267-02	SB-267-SS	SB-268-02	SB-268-SS
SAMPLE DATE	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	8.4	8.3	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	0.63	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-269	SB-269	SB-270	SB-270	SB-382	SB-383	SB-384	SB-385	SB-386
SAMPLE ID	SB-269-02	SB-269-SS	SB-270-02	SB-270-SS	SB-382-0102	SB-383-0102	SB-384-0102	SB-385-0102	SB-386-0102
SAMPLE DATE	20050509	20050509	20050509	20050509	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	0	1	0	1	1	1	1	1
BOTTOM DEPTH	2	1	2	1	2	2	2	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-269	SB-269	SB-270	SB-270	SB-382	SB-383	SB-384	SB-385	SB-386
SAMPLE ID	SB-269-02	SB-269-SS	SB-270-02	SB-270-SS	SB-382-0102	SB-383-0102	SB-384-0102	SB-385-0102	SB-386-0102
SAMPLE DATE	20050509	20050509	20050509	20050509	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	0	1	0	1	1	1	1	1
BOTTOM DEPTH	2	1	2	1	2	2	2	2	2
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
1,4-DIOXANE	387 U	377 UJ	396 U	389 U	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	586 U	571 UJ	600 U	589 U	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	82 U	80 UJ	84 U	83 U	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	82 U	80 UJ	84 U	83 U	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
2-CHLOROPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
2-METHYLPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
2-NITROANILINE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
2-NITROPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	786 U	765 UJ	803 U	790 U	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
3-NITROANILINE	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
4-CHLOROANILINE	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
4-NITROPHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	786 U	765 UJ	803 UR	790 U	NA	NA	NA	NA	NA
BENZOIC ACID	786 U	765 UJ	217 J	189 J	NA	NA	NA	NA	NA
BENZYL ALCOHOL	47.5 J	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	82 U	80 UJ	84 U	83 U	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	199 U	123 J	204 U	32 J	NA	NA	NA	NA	NA
DIBENZOFURAN	117 U	27 J	120 U	118 U	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	82 U	80 UJ	84 U	83 U	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
HEXACHLOROETHANE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
ISOPHORONE	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
NITROBENZENE	199 U	194 UJ	204 U	200 U	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	117 U	114 UJ	120 U	118 U	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	985 U	959 UJ	1010 U	990 U	NA	NA	NA	NA	NA
PHENOL	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
PYRIDINE	399 U	388 UJ	408 U	401 U	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	82.1 U	79.9 UJ	83.9 U	82.5 U	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	82 U	80 UJ	84 U	83 U	NA	NA	NA	NA	NA
ACENAPHTHENE	82 U	79 J	84 U	83 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	82 U	80 UJ	84 U	83 U	NA	NA	NA	NA	NA
ANTHRACENE	82 U	256 J	84 U	66 J	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	82 U	1883	123	369	1.5 U	19000	1.5 U	1.4 U	1.4 U
BAP EQUIVALENT-POS	82 U	1883	81	369	1.5 U	19000	1.5 U	1.4 U	1.4 U
BENZO(A)ANTHRACENE	82 U	1260 J	73 J	239	NA	NA	NA	NA	NA
BENZO(A)PYRENE	82 U	1310 J	62 J	258	1.5 U	19000	1.5 U	1.4 U	1.4 U
BENZO(B)FLUORANTHENE	82 U	1520 J	65 J	250	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	82 UJ	662 J	48 J	175 J	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	82 U	1360 J	84 U	244	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-269	SB-269	SB-270	SB-270	SB-382	SB-383	SB-384	SB-385	SB-386
SAMPLE ID	SB-269-02	SB-269-SS	SB-270-02	SB-270-SS	SB-382-0102	SB-383-0102	SB-384-0102	SB-385-0102	SB-386-0102
SAMPLE DATE	20050509	20050509	20050509	20050509	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	0	1	0	1	1	1	1	1
BOTTOM DEPTH	2	1	2	1	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-13
Summary of Analytical Results for Surface Soils, 0-2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-269	SB-269	SB-270	SB-270	SB-382	SB-383	SB-384	SB-385	SB-386
SAMPLE ID	SB-269-02	SB-269-SS	SB-270-02	SB-270-SS	SB-382-0102	SB-383-0102	SB-384-0102	SB-385-0102	SB-386-0102
SAMPLE DATE	20050509	20050509	20050509	20050509	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	0	1	0	1	1	1	1	1
BOTTOM DEPTH	2	1	2	1	2	2	2	2	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	82 U	1250 J	69 J	269	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	82 U	206 J	84 UJ	46 J	NA	NA	NA	NA	NA
FLUORANTHENE	82 U	2720 J	163	600	NA	NA	NA	NA	NA
FLUORENE	82 U	68 J	84 U	83 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	82 U	745 J	51 J	135 J	NA	NA	NA	NA	NA
NAPHTHALENE	82 U	80 UJ	84 U	83 U	NA	NA	NA	NA	NA
PHENANTHRENE	82 U	987 J	81 J	265	NA	NA	NA	NA	NA
PYRENE	28 J	1740 J	113	371	NA	NA	NA	NA	NA
TOTAL PAHS	28	14163	725	2918	0 U	19000	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	37 U	NA	38 U	39 U	37 U	38 U	36 U	37 U
AROCLOR-1221	NA	37 U	NA	38 U	39 U	37 U	38 U	36 U	37 U
AROCLOR-1232	NA	37 U	NA	38 U	39 U	37 U	38 U	36 U	37 U
AROCLOR-1242	NA	37 U	NA	38 U	39 U	37 U	38 U	36 U	37 U
AROCLOR-1248	NA	37 U	NA	38 U	39 U	37 U	38 U	36 U	37 U
AROCLOR-1254	NA	37 U	NA	38 U	39 U	37 U	38 U	36 U	37 U
AROCLOR-1260	NA	95	NA	29 J	39 U	34 J	38 U	36 U	37 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	95	NA	29	0 U	34	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	1 L	NA	1 L	NA	NA	NA	NA	NA
ARSENIC	NA	6	NA	3 B	NA	NA	NA	NA	NA
BARIUM	NA	103	NA	64	NA	NA	NA	NA	NA
BERYLLIUM	NA	1.7	NA	1.1	NA	NA	NA	NA	NA
CADMIUM	NA	0.7	NA	0.3 B	NA	NA	NA	NA	NA
CHROMIUM	NA	26.1	NA	15.3	NA	NA	NA	NA	NA
COBALT	NA	6.6	NA	5.4	NA	NA	NA	NA	NA
COPPER	NA	15	NA	12	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	56	NA	64	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.18	NA	0.11	NA	NA	NA	NA	NA
MOLYBDENUM	NA	1 B	NA	0.6 B	NA	NA	NA	NA	NA
NICKEL	NA	13	NA	8 B	NA	NA	NA	NA	NA
SELENIUM	NA	3	NA	2 U	NA	NA	NA	NA	NA
SILVER	NA	0.06 U	NA	0.06 U	NA	NA	NA	NA	NA
THALLIUM	NA	1 U	NA	1 U	NA	NA	NA	NA	NA
VANADIUM	NA	42.8	NA	26.2	NA	NA	NA	NA	NA
ZINC	NA	74	NA	51	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	85.6	88	87	92	90
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	0.51	NA	0.64	NA	NA	NA	NA	NA

LOCATION	SB-269	SB-269	SB-270	SB-270	SB-382	SB-383	SB-384	SB-385	SB-386
SAMPLE ID	SB-269-02	SB-269-SS	SB-270-02	SB-270-SS	SB-382-0102	SB-383-0102	SB-384-0102	SB-385-0102	SB-386-0102
SAMPLE DATE	20050509	20050509	20050509	20050509	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	0	1	0	1	1	1	1	1
BOTTOM DEPTH	2	1	2	1	2	2	2	2	2
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-387	SB-388	SB-389	SB-390	SB-391	SB-392	SB-393	SB-394	SB-395
SAMPLE ID	SB-387-0102	SB-388-0102	SB-389-0102	SB-390-0102	SB-391-0102	SB-392-0102	SB-393-0102	SB-394-0102	SB-395-0102
SAMPLE DATE	20071015	20071015	20071015	20071015	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-387	SB-388	SB-389	SB-390	SB-391	SB-392	SB-393	SB-394	SB-395
SAMPLE ID	SB-387-0102	SB-388-0102	SB-389-0102	SB-390-0102	SB-391-0102	SB-392-0102	SB-393-0102	SB-394-0102	SB-395-0102
SAMPLE DATE	20071015	20071015	20071015	20071015	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	12	380	220	9.9	1.6 U	1.4 U	450	140	1.6 U
BAP EQUIVALENT-POS	12	380	220	9.9	1.6 U	1.4 U	450	140	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	12 J	380	220 J	9.9 J	1.6 U	1.4 U	450	140 J	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-387	SB-388	SB-389	SB-390	SB-391	SB-392	SB-393	SB-394	SB-395
SAMPLE ID	SB-387-0102	SB-388-0102	SB-389-0102	SB-390-0102	SB-391-0102	SB-392-0102	SB-393-0102	SB-394-0102	SB-395-0102
SAMPLE DATE	20071015	20071015	20071015	20071015	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE ID	SB-387-0102	SB-388-0102	SB-389-0102	SB-390-0102	SB-391-0102	SB-392-0102	SB-393-0102	SB-394-0102	SB-395-0102
SAMPLE DATE	20071015	20071015	20071015	20071015	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	12	380	220	9.9	0 U	0 U	450	140	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	35 U	35 U	36 U	38 U	39 U	37 U	35 U	37 U	40 U
AROCLOR-1221	35 U	35 U	36 U	38 U	39 U	37 U	35 U	37 U	40 U
AROCLOR-1232	35 U	35 U	36 U	38 U	39 U	37 U	35 U	37 U	40 U
AROCLOR-1242	35 U	35 U	36 U	38 U	39 U	37 U	35 U	37 U	40 U
AROCLOR-1248	35 U	35 U	36 U	38 U	39 U	37 U	35 U	37 U	40 U
AROCLOR-1254	35 U	35 U	36 U	38 U	39 U	37 U	35 U	37 U	40 U
AROCLOR-1260	35 U	35 U	36 U	38 U	39 U	37 U	22 J	37 U	40 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	22	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	93.7	93.6	91.2	87	83.6	90.3	94.6	90	83.2
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-396	SB-397	SB-398	SB-399	SB-400	SB-401	SB-402	SB-403	SB-404
SAMPLE ID	SB-396-0102	SB-397-0102	SB-398-0102	SB-399-0102	SB-400-0102	SB-401-0102	SB-402-0102	SB-403-0102	SB-404-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-396	SB-397	SB-398	SB-399	SB-400	SB-401	SB-402	SB-403	SB-404
SAMPLE ID	SB-396-0102	SB-397-0102	SB-398-0102	SB-399-0102	SB-400-0102	SB-401-0102	SB-402-0102	SB-403-0102	SB-404-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	80	80	29	1.4 U	9.1	25	37	1.5 U	1.5 U
BAP EQUIVALENT-POS	80	80	29	1.4 U	9.1	25	37	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	80 J	80 J	29 J	1.4 U	9.1 J	25 J	37 J	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-396	SB-397	SB-398	SB-399	SB-400	SB-401	SB-402	SB-403	SB-404
SAMPLE ID	SB-396-0102	SB-397-0102	SB-398-0102	SB-399-0102	SB-400-0102	SB-401-0102	SB-402-0102	SB-403-0102	SB-404-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-396	SB-397	SB-398	SB-399	SB-400	SB-401	SB-402	SB-403	SB-404
SAMPLE ID	SB-396-0102	SB-397-0102	SB-398-0102	SB-399-0102	SB-400-0102	SB-401-0102	SB-402-0102	SB-403-0102	SB-404-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	80	80	29	0 U	9.1	25	37	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U	38 U
AROCLOR-1221	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U	38 U
AROCLOR-1232	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U	38 U
AROCLOR-1242	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U	38 U
AROCLOR-1248	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U	38 U
AROCLOR-1254	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U	38 U
AROCLOR-1260	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U	38 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	85.5	95.1	90.9	90.8	91.6	79.7	79.9	88.6	86.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-396	SB-397	SB-398	SB-399	SB-400	SB-401	SB-402	SB-403	SB-404
SAMPLE ID	SB-396-0102	SB-397-0102	SB-398-0102	SB-399-0102	SB-400-0102	SB-401-0102	SB-402-0102	SB-403-0102	SB-404-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-405	SB-406	SB-407	SB-408	SB-409	SB-489
SAMPLE ID	SB-405-0102	SB-406-0102	SB-407-0102	SB-408-0102	SB-409-0102	SB-489-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA

LOCATION	SB-405	SB-406	SB-407	SB-408	SB-409	SB-489
SAMPLE ID	SB-405-0102	SB-406-0102	SB-407-0102	SB-408-0102	SB-409-0102	SB-489-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	36	510	130	87	39	9.6
BAP EQUIVALENT-POS	36	510	130	87	39	9.6
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	36 J	510	130 J	87 J	39 J	9.6 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-405	SB-406	SB-407	SB-408	SB-409	SB-489
SAMPLE ID	SB-405-0102	SB-406-0102	SB-407-0102	SB-408-0102	SB-409-0102	SB-489-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA

LOCATION	SB-405	SB-406	SB-407	SB-408	SB-409	SB-489
SAMPLE ID	SB-405-0102	SB-406-0102	SB-407-0102	SB-408-0102	SB-409-0102	SB-489-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	36	510	130	87	39	9.6
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	36 U	38 U	42 U	40 U	43 U	41 U
AROCLOR-1221	36 U	38 U	42 U	40 U	43 U	41 U
AROCLOR-1232	36 U	38 U	42 U	40 U	43 U	41 U
AROCLOR-1242	36 U	38 U	42 U	40 U	43 U	41 U
AROCLOR-1248	36 U	38 U	42 U	40 U	43 U	41 U
AROCLOR-1254	36 U	38 U	42 U	40 U	43 U	41 U
AROCLOR-1260	36 U	38 U	42 U	40 U	43 U	41 U
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	91.3	87.2	78.6	81.8	77.6	79.8
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA

LOCATION	SB-405	SB-406	SB-407	SB-408	SB-409	SB-489
SAMPLE ID	SB-405-0102	SB-406-0102	SB-407-0102	SB-408-0102	SB-409-0102	SB-489-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)						
PH	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)						
ACTINIUM-228	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-024A	SB-024A	SB-056	SB-056	SB-093	SB-093	SB-094	SB-094	SB-095	SB-095
SAMPLE ID				F-SB-24ARE-1	F-SB-24ARE-2	F-SB-56RE-1	F-SB-56RE-2	F-SB-93RE-1	F-SB-93RE-2	F-SB-94RE-1	F-SB-94RE-2	F-SB-95RE-1	F-SB-95RE-2
SAMPLE DATE				20090922	20090922	20090918	20090918	20090921	20090921	20090921	20090921	20090918	20090918
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	2	1	2	1	2	1	2	1	2
BOTTOM DEPTH				1	2	1	2	1	2	1	2	1	2
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	23	1.5 U	1190	150	184	95	50001	2.6
BAP EQUIVALENT-POS	22	15	C	NA	NA	22	1.5 U	1190	150	184	95	49963	0.85
BENZO(A)ANTHRACENE	220	150	C	NA	NA	17	1.1 U	890	100	110	57	42000	8.5
BENZO(A)PYRENE	22	15	C	NA	NA	17	1.5 U	810	89	130	55	38000	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	21	1.4 U	1200	140	150	58	55000	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	12	1.9 U	390	46	91	24	23000	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	19	1 U	860	100	150	73	33000	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	1.6 U	1.5 U	120	30	19	25	76 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	11	1.7 U	460	66	81	36	20000	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	97	0 U	4730	571	731	328	211000	8.5
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	NA	NA	NA	NA	19 U	20 U	20 U	21 U	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	120	20 U	20 U	21 U	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	120	0 U	0 U	0 U	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	1.5 L	1 L	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-096 F-SB-96RE-1 20090921 NORMAL SO NORMAL SB 1 1	SB-096 F-SB-96RE-2 20090921 NORMAL SO NORMAL SB 2 2	SB-624 F-SB-624-1 20090921 NORMAL SO NORMAL SB 1 1	SB-624 F-SB-624-2 20090921 NORMAL SO NORMAL SB 2 2	SB-625 F-SB-625-1 20090921 NORMAL SO NORMAL SB 1 1	SB-625 F-SB-625-2 20090921 NORMAL SO NORMAL SB 2 2	SB-626 F-SB-626-1 20090922 NORMAL SO NORMAL SB 1 1	SB-626 F-SB-626-2 20090922 NORMAL SO NORMAL SB 2 2	SB-626B F-SB-626B-(1-4) 20091111 NORMAL SO NORMAL SB 1 4	SB-626C F-SB-626C-1 20091111 NORMAL SO NORMAL SB 1 1
VOLATILES (UG/KG)												
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	602	1.6 U	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	602	1.6 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	390	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	410	1.6 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	580	1.5 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	250	2.1 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	340	1.1 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	67	1.6 U	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	250	1.8 U	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	2287	0 U	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1254	320	110 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	0.035	0.22	0.02 U	0.58	2.2 L	2.7 L	1.2	2.2
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23	0.29 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-626D	SB-627	SB-627	SB-635C	SB-635D	SB-636	SB-636A	SB-636B	SB-636C	SB-636D
SAMPLE ID				F-SB-626D-1	F-SB-627-1	F-SB-627-2	F-SB-635C-1	F-SB-635D-1	F-SB-636-1	F-SB-636A-1	F-SB-636B-1	F-SB-636C-1	F-SB-636D-1
SAMPLE DATE				20091111	20090922	20090922	20091104	20091110	20091007	20091105	20091105	20091105	20091105
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	2	1	1	1	1	1	1	1
BOTTOM DEPTH				1	1	2	1	1	1	1	1	1	1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	1267	20	163	410	1412	7120	6757
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	1267	19	163	410	1412	7120	6757
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	760	11	130	290	790	5700	4900
BENZO(A)PYRENE	22	15	C	NA	NA	NA	870	16	110	270	950	4800	4700
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	1200	8.9	140	400	1200	7000	6200
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	390	1.8 U	58	130	540	2500	2200
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	790	8.1	110	300	890	5200	4900
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	150	1.4 U	19	53	200	750	660
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	460	15	64	160	570	2700	2600
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	4620	59	631	1603	5140	28650	26160
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	NA	NA	NA	NA	NA	20 U	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	20 U	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	0 U	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	0.36	0.31 L	0.38 L	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-637 F-SB-637-1 20091007 NORMAL SO NORMAL SB 1 1	SB-637B F-SB-637B-1 20091106 NORMAL SO NORMAL SB 1 1	SB-637C F-SB-637C-1 20091106 NORMAL SO NORMAL SB 1 1	SB-638 F-SB-638-1 20091007 NORMAL SO NORMAL SB 1 1	SB-639 F-SB-639-1 20091007 NORMAL SO NORMAL SB 1 1	SB-640 F-SB-640-1 20091007 NORMAL SO NORMAL SB 1 1	SB-641 F-SB-641-1 20091006 NORMAL SO NORMAL SB 1 1	SB-641A F-SB-641A-1 20091104 NORMAL SO NORMAL SB 1 1	SB-641B F-SB-641B-1 20091104 NORMAL SO NORMAL SB 1 1	SB-641C F-SB-641C-1 20091104 NORMAL SO NORMAL SB 1 1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1186	6953	2075	1.4 U	79	74	1364	41	289	9111
BAP EQUIVALENT-POS	22	15	C	1186	6953	2075	1.4 U	78	73	1364	41	289	9111
BENZO(A)ANTHRACENE	220	150	C	900	6200	1700	1 U	62	52	960	31	190	7400
BENZO(A)PYRENE	22	15	C	820	4600	1400	1.4 U	59	55	860	32	200	6300
BENZO(B)FLUORANTHENE	220	150	C	1100	6500	1900	1.3 U	88	88	1300	38	290	8900
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	390	2800	870	1.8 U	32	29	1.6 U	19	95	3500
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	840	5300	1500	0.97 U	66	57	840	33	190	6300
DIBENZO(A,H)ANTHRACENE	22	15	C	120	790	230	1.4 U	1.5 U	1.5 U	210	1.5 U	30	840
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	410	2600	750	1.6 U	34	37	670	15	100	3000
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		4580	28790	8350	0 U	341	318	4840	168	1095	36240
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	19 U	NA	NA	18 U	20 U	20 U	NA	NA	NA	NA
AROCLOR-1260	320	220	C	19 U	NA	NA	18 U	20 U	20 U	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	NA	NA	0 U	0 U	0 U	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION				SB-642	SB-642A	SB-642B	SB-642C	SB-643	SB-643B	SB-643C	SB-644	SB-645	SB-645A
SAMPLE ID				F-SB-642-1	F-SB-642A-1	F-SB-642B-1	F-SB-642C-1	F-SB-643-1	F-SB-643B-1	F-SB-643C-1	F-SB-644-1	F-SB-645-1	F-SB-645A-1
SAMPLE DATE				20091019	20091104	20091104	20091104	20091016	20091105	20091105	20091016	20091006	20091105
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH				1	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1495	1.5 U	57	1.7	708	118	1.4 U	70	26715	111
BAP EQUIVALENT-POS	22	15	C	1495	1.5 U	56	0.012	708	118	1.4 U	70	26715	111
BENZO(A)ANTHRACENE	220	150	C	1100	1.1 U	42	1.1 U	360	77	1 U	39	18000	68
BENZO(A)PYRENE	22	15	C	1000	1.5 U	44	1.5 U	490	70	1.4 U	47	17000	66
BENZO(B)FLUORANTHENE	220	150	C	1200	1.4 U	48	1.4 U	630	110	1.3 U	58	28000	96
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	620	2 U	40	2 U	300	32	1.9 U	25	9.3 U	45
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	980	1 U	48	12	400	99	0.99 U	44	15000	68
DIBENZO(A,H)ANTHRACENE	22	15	C	200	1.5 U	1.5 U	1.5 U	87	25	1.4 U	9.4	4000	24
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	580	1.7 U	24	1.8 U	290	40	1.7 U	32	11000	40
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		5680	0 U	246	12	2557	453	0 U	254.4	93000	407
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-645B	SB-645C	SB-646	SB-647	SB-647A	SB-647B	SB-647C	SB-648	SB-649	SB-650
SAMPLE ID				F-SB-645B-1	F-SB-645C-1	F-SB-646-1	F-SB-647-1	F-SB-647A-1	F-SB-647B-1	F-SB-647C-1	F-SB-648-1	F-SB-649-1	F-SB-650-1
SAMPLE DATE				20091105	20091105	20091006	20091006	20091105	20091105	20091105	20091006	20091006	20091006
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH				1	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		112	369	23	284	3838	283	5140	2.2 U	2.2 U	4.1
BAP EQUIVALENT-POS	22	15	C	112	369	23	284	3838	283	5140	2.2 U	2.2 U	3.1
BENZO(A)ANTHRACENE	220	150	C	79	260	13	160	2500	170	3400	1.2 U	1.3 U	1.2 U
BENZO(A)PYRENE	22	15	C	78	240	15	180	2600	180	3500	2.2 U	2.2 U	3.1 J
BENZO(B)FLUORANTHENE	220	150	C	110	330	24	300	3100	240	4500	1.6 U	1.6 U	1.6 U
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	47	120	1.6 U	7.9 U	1600	97	1700	1.6 U	1.7 U	1.6 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	92	240	13	180	2400	170	3300	1.4 U	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	11	55	2.8 J	44	500	49	620	1.7 U	1.8 U	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	40	140	12	140	1600	120	2100	0.43 U	0.44 U	0.43 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		457	1385	79.8	1004	14300	1026	19120	0 U	0 U	3.1
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-651 F-SB-651-1 20091007 NORMAL SO NORMAL SB 1 1	SB-652 F-SB-652-1 20091007 NORMAL SO NORMAL SB 1 1	SB-652A F-SB-652A-1 20091105 NORMAL SO NORMAL SB 1 1	SB-652B F-SB-652B-1 20091105 NORMAL SO NORMAL SB 1 1	SB-652C F-SB-652C-1 20091105 NORMAL SO NORMAL SB 1 1	SB-797 F-SB-797-SS 20100820 NORMAL SO NORMAL SS 1 1	SB-798 F-SB-798-SS 20100820 NORMAL SO NORMAL SS 1 1	SB-799 F-SB-799-SS 20100820 NORMAL SO NORMAL SS 1 1	SB-800 F-SB-800-SS 20100910 NORMAL SO NORMAL SS 1 1	SB-801 F-SB-801-SS 20100910 NORMAL SO NORMAL SS 1 1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	55	3.7 U	3.9 U	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	46	3.7 U	3.9 U	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	340	3.7 U	3.9 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	15 U	3.7 U	3.9 U	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	680	3.7 U	3.9 U	NA	NA
BAP EQUIVALENT-HALFND	22	15		14	342	228	505	19	3496	3.7 U	13	NA	NA
BAP EQUIVALENT-POS	22	15	C	13	342	228	505	18	3496	3.7 U	11	NA	NA
BENZO(A)ANTHRACENE	220	150	C	8.8	260	150	350	16	2300	3.7 U	8.1	NA	NA
BENZO(A)PYRENE	22	15	C	9.9	230	150	340	13	2400	3.7 U	9	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	13	330	200	430	30	2800	3.7 U	11	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	1700	3.7 U	3.9 U	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	120	96	190	8.4	1400	3.7 U	3.9 U	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	3700 J	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	5800 J	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	1600 J	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	1300 J	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	950 J	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	470 J	NA	NA	NA	NA
CHRYSENE	22000	15000	C	8.9	250	160	350	15	2400	1.2 U	11	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	38	33	65	1.5 U	430	3.7 U	3.9 U	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	4900	11	17	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	370	3.7 U	3.9 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	8.8	140	89	200	1.7 U	1400	3.7 U	3.9 U	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	140	3.7 U	3.9 U	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	2600	3.7 U	8	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	4200	9.1	17	NA	NA
TOTAL PAHS	NC	NC		49.4	1368	878	1925	82.4	28106	20.1	81.1	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	19 U	20 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	19 U	20 U	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	1 L	0.18 L
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-802 F-SB-802-SS 20100910 NORMAL SO NORMAL SS 1 1**
VOLATILES (UG/KG)				
2-BUTANONE	4700000	2800000	N	NA
ACETONE	7000000	6100000	N	NA
CARBON DISULFIDE	780000	82000	N	NA
METHYLENE CHLORIDE	85000	11000	C	NA
TOLUENE	630000	500000	N	NA
SEMIVOLATILES (UG/KG)				
BENZOIC ACID	NC	24000000	N	NA
BENZYL ALCOHOL	NC	610000	N	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA
CARBAZOLE	32000	NC		NA
DIBENZOFURAN	7800	7800	N	NA
DIMETHYL PHTHALATE	NC	NC		NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA
PHENOL	2300000	1800000	N	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	NC	22000	C	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA
ACENAPHTHENE	470000	340000	N	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA
ANTHRACENE	2300000	1700000	N	NA
BAP EQUIVALENT-HALFND	22	15		NA
BAP EQUIVALENT-POS	22	15	C	NA
BENZO(A)ANTHRACENE	220	150	C	NA
BENZO(A)PYRENE	22	15	C	NA
BENZO(B)FLUORANTHENE	220	150	C	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA
CHRYSENE	22000	15000	C	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA
FLUORANTHENE	310000	230000	N	NA
FLUORENE	310000	230000	N	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA
NAPHTHALENE	160000	3600	C	NA
PHENANTHRENE	2300000	170000	N[5]	NA
PYRENE	230000	170000	N	NA
TOTAL PAHS	NC	NC		NA
PESTICIDES/PCBS (UG/KG)				
AROCLOR-1254	320	110	N[6]	NA
AROCLOR-1260	320	220	C	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA
METALS (MG/KG)				
ANTIMONY	3.1	3.1	N	NA
ARSENIC	0.43	0.39	C	NA
BARIUM	1600	1500	N	NA
BERYLLIUM	16	16	N	NA
CADMIUM	3.9	7	N	NA
CHROMIUM	12000 [9]	12000	N[9]	NA
COBALT	NC	2.3	N	NA
COPPER	310	310	N	NA
LEAD	400	400		NA
MERCURY	2.3 [10]	2.3	N[11]	0.017 UR
MOLYBDENUM	NC	39	N	NA
NICKEL	160	150	N	NA
SELENIUM	39	39	N	NA
SILVER	39	39	N	NA
VANADIUM	7.8	39	N[12]	NA
ZINC	2300	2300	N	NA
PETROLEUM HYDROCARBONS (UG/KG)				
DIESEL RANGE ORGANICS	230000	NC		NA
GASOLINE RANGE ORGANICS	230000	NC		NA
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	NC	NC		NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	23	0.29	C	NA
MISCELLANEOUS PARAMETERS (S.U.)				
PH	NC	NC		NA
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	780	780	N	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-022 SB-22A-SS 20040915 NORMAL SO NORMAL SS 0 1	SB-023 SB-23A-SS 20040915 NORMAL SO NORMAL SS 0 1	SB-024 SB-24A-SS 20040915 NORMAL SO NORMAL SS 0 1	SB-025 SB-25A-SS 20040915 NORMAL SO NORMAL SS 0 1	SB-030 SB-30A-SS 20040915 NORMAL SO NORMAL SS 0 1	SB-050 SB-50-SS 20040915 NORMAL SO NORMAL SS 0 1	SB-055 SB-55-SS 20040915 NORMAL SO NORMAL SS 0 1	SB-056 SB-56-SS 20040913 NORMAL SO NORMAL SS 0 1	SB-093 SB-93-SS 20040916 NORMAL SO NORMAL SS 0 1	SB-094 SB-94-SS 20040916 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	66 U	55 U	61 U	60 U	53 U	NA	53 U	82 U	66 U	54 U
ACETONE	7000000	6100000	N	89 J	55 UJ	61 UJ	60 UJ	53 UJ	NA	53 UJ	82 U	66 U	54 U
CARBON DISULFIDE	780000	82000	N	7 U	6 U	6 U	6 U	5 U	NA	5 U	8 U	7 U	5 U
METHYLENE CHLORIDE	85000	11000	C	11 B	6 U	6 U	6 U	5 U	NA	5 U	8 U	7 U	5 U
TOLUENE	630000	500000	N	7 U	6 U	6 U	6 U	5 U	NA	5 U	8 U	7 U	5 U
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
BUTYL BENZYL PHTHALATE	NC	260000	C	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
CARBAZOLE	32000	NC		430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
DIBENZOFURAN	7800	7800	N	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
DIMETHYL PHTHALATE	NC	NC		430 U	60 J	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
DI-N-BUTYL PHTHALATE	780000	610000	N	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
DI-N-OCTYL PHTHALATE	NC	NC		430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
PHENOL	2300000	1800000	N	430 U	420	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
ACENAPHTHENE	470000	340000	N	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
ACENAPHTHYLENE	470000	340000	N[4]	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
ANTHRACENE	2300000	1700000	N	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
BAP EQUIVALENT-HALFND	22	15		430 U	380 U	298	400 U	401	NA	313	560 U	4189	2874
BAP EQUIVALENT-POS	22	15	C	430 U	380 U	78	400 U	4.825	NA	121	560 U	1939	1074
BENZO(A)ANTHRACENE	220	150	C	430 U	380 U	74 J	400 U	44 J	NA	110 J	560 U	1800 J	880 J
BENZO(A)PYRENE	22	15	C	430 U	380 U	63 J	400 U	360 U	NA	99 J	560 U	1500 J	850 J
BENZO(B)FLUORANTHENE	220	150	C	430 U	380 U	66 J	400 U	360 U	NA	94 J	560 U	1600 J	890 J
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	430 U	380 U	400 U	400 U	360 U	NA	70 J	560 U	1000 J	3600 U
BENZO(K)FLUORANTHENE	2200	1500	C	430 U	380 U	57 J	400 U	37 J	NA	110 J	560 U	1500 J	1000 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	430 U	380 U	77 J	400 U	55 J	NA	130 J	560 U	2300 J	1100 J
DIBENZO(A,H)ANTHRACENE	22	15	C	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
FLUORANTHENE	310000	230000	N	57 J	380 U	170 J	400 U	84 J	NA	270 J	560 U	3400 J	2000 J
FLUORENE	310000	230000	N	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
INDENO(1,2,3-CD)PYRENE	220	150	C	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	820 J	360 J
NAPHTHALENE	160000	3600	C	430 U	380 U	400 U	400 U	360 U	NA	350 U	560 U	4500 U	3600 U
PHENANTHRENE	2300000	170000	N[5]	44 J	380 U	92 J	400 U	74 J	NA	160 J	560 U	1600 J	1100 J
PYRENE	230000	170000	N	430 U	380 U	110 J	400 U	110 J	NA	160 J	560 U	4000 J	1400 J
TOTAL PAHS	NC	NC		101	0 U	709	0 U	404	NA	1203	0 U	19520	9580
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	320 U	280 U	300 U	300 U	270 U	NA	260 U	410 U	330 U	1300 U
AROCLOR-1260	320	220	C	320 U	280 U	300 U	300 U	270 U	NA	260 U	410 U	800	1400
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	0 U	0 U	0 U	NA	0 U	0 U	800	1400
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	3 U	2.6 U	2.8 U	2.7 U	2.7 UR	2.4 U	2.7 UR	4 UR	3.1 UR	2.6 UR
ARSENIC	0.43	0.39	C	1.3	2.2	3.4	0.6	2.3 L	3.2	1.5 L	2.9 L	1.8 L	2.1 L
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	3 U	2.6 U	2.8 U	5	2.7 U	2.4 U	2.7 U	4 U	3.1 UL	2.6 UL
CADMIUM	3.9	7	N	3 U	2.6 U	2.8 U	2.7 U	2.7 UL	2.4 U	2.7 UL	4 UL	3.5 L	4.5 L
CHROMIUM	12000 [9]	12000	N[9]	8.1	13	18	18	8.7 L	9.4	13 L	14 L	110	25
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	4.9 K	5.3	36	15	4.4 K	17	74	11	21 L	21 L
LEAD	400	400		3 U	5.4	67	5.9	4.5 J	33	420 J	6.3 J	73 L	65 L
MERCURY	2.3 [10]	2.3	N[11]	0.12 U	0.1 U	1.4	0.11 U	0.11 UL	0.42	0.11 UL	0.16 UL	0.68	0.97
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	4.6 K	7.1	14	27	4.5 K	8.5	13	5.1 K	11	11
SELENIUM	39	39	N	3 U	2.6 U	2.8 U	2.7 U	2.7 UL	2.4 U	2.7 UL	4 UL	3.1 UL	2.6 UL
SILVER	39	39	N	3.2 U	3.4	2.9 U	2.9 U	2.7 UR	2.3 U	2.7 UR	4 UR	3.1 UR	2.6 UR
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	30 U	26 U	120	48 K	27 UL	100	58 J	40 UL	100 K	92 K
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		13000 U	11000 U	12000 U	12000 U	10000 U	NA	13000	17000 U	150000	67000
GASOLINE RANGE ORGANICS	230000	NC		130 U	110 U	120 U	1200	110 U	NA	110 U	170 U	130 U	110 U
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION				SB-095	SB-096	SB-236	SB-236	SB-237	SB-237	SB-238	SB-238	SB-250	SB-250
SAMPLE ID				SB-95-SS	SB-96-SS	SB-236-01	SB-236-SS	SB-237-01	SB-237-SS	SB-238-01	SB-238-SS	SB-250-02	SB-250-SS
SAMPLE DATE				20040916	20040916	20050509	20050509	20050509	20050509	20050517	20050517	20050509	20050509
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH				0	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH				1	1	2	1	2	1	2	1	2	1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	62 U	57 UJ	NA	NA	NA	NA	2.87 J	3.14 J	NA	NA
ACETONE	7000000	6100000	N	62 U	57 UJ	NA	NA	NA	NA	27.2 J	31 J	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	6 UJ	NA	NA	NA	NA	0.72 J	7.1	NA	NA
METHYLENE CHLORIDE	85000	11000	C	6 U	8 J	NA	NA	NA	NA	3.3 J	5.2 U	NA	NA
TOLUENE	630000	500000	N	6 U	6 UJ	NA	NA	NA	NA	1.9 J	1.2 J	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	802 U	752 U	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	407 U	382 U	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	420 U	380 U	NA	NA	NA	NA	84 U	79 UJ	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	420 U	380 U	NA	NA	NA	NA	203 U	191 UJ	NA	NA
CARBAZOLE	32000	NC		190 J	380 U	NA	NA	NA	NA	203 U	40 J	NA	NA
DIBENZOFURAN	7800	7800	N	54 J	380 U	NA	NA	NA	NA	120 U	112 UJ	NA	NA
DIMETHYL PHTHALATE	NC	NC		420 U	380 U	NA	NA	NA	NA	407 U	382 UJ	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	420 U	380 U	NA	NA	NA	NA	203 U	191 U	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		53 J	380 U	NA	NA	NA	NA	203 U	191 UJ	NA	NA
PHENOL	2300000	1800000	N	420 U	380 U	NA	NA	NA	NA	407 U	382 U	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	83.7 U	78.6 U	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	420 U	380 U	NA	NA	NA	NA	84 U	79 U	NA	NA
ACENAPHTHENE	470000	340000	N	160 J	380 U	NA	NA	NA	NA	84 U	79 UJ	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	420 U	380 U	NA	NA	NA	NA	84 U	79 UJ	NA	NA
ANTHRACENE	2300000	1700000	N	380 J	380 U	NA	NA	NA	NA	84 U	54 J	NA	NA
BAP EQUIVALENT-HALFND	22	15		**2132**	380 U	NA	NA	NA	NA	**140**	**424**	NA	NA
BAP EQUIVALENT-POS	22	15	C	**2132**	380 U	NA	NA	NA	NA	**98**	**424**	NA	NA
BENZO(A)ANTHRACENE	220	150	C	**1600**	380 U	NA	NA	NA	NA	75 J	**241 J**	NA	NA
BENZO(A)PYRENE	22	15	C	**1600**	380 U	NA	NA	NA	NA	**74 J**	**245 J**	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	**1800**	380 U	NA	NA	NA	NA	90	**254 J**	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	1000 J	380 U	NA	NA	NA	NA	75 J	344 J	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	**1600**	380 U	NA	NA	NA	NA	87	225 J	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1700	380 U	NA	NA	NA	NA	92	287 J	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	**75 J**	380 U	NA	NA	NA	NA	84 U	**100 J**	NA	NA
FLUORANTHENE	310000	230000	N	3300	380 U	NA	NA	NA	NA	142	546	NA	NA
FLUORENE	310000	230000	N	130 J	380 U	NA	NA	NA	NA	84 U	79 UJ	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**990**	380 U	NA	NA	NA	NA	67 J	**274 J**	NA	NA
NAPHTHALENE	160000	3600	C	420 U	380 U	NA	NA	NA	NA	84 U	79 U	NA	NA
PHENANTHRENE	2300000	170000	N[5]	1600	380 U	NA	NA	NA	NA	58 J	249	NA	NA
PYRENE	230000	170000	N	2500	380 U	NA	NA	NA	NA	120	685 J	NA	NA
TOTAL PAHS	NC	NC		18435	0 U	NA	NA	NA	NA	880	3504	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	300 U	280 U	NA	NA	NA	NA	39 U	37 U	NA	NA
AROCLOR-1260	320	220	C	300 U	280 U	NA	NA	NA	NA	39 U	154	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	NA	NA	NA	NA	0 U	154	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	3 UR	2.9 UR	2 L	0.5 L	**4 L**	0.4 L	0.3 UL	1 L	0.6 L	0.8 L
ARSENIC	0.43	0.39	C	**2 L**	**2 L**	**4**	**3**	**5**	3 B	**3**	**3**	3 B	1 B
BARIUM	1600	1500	N	NA	NA	83	36	68	42	41	86	30	37
BERYLLIUM	16	16	N	3 UL	2.9 UL	0.7	1.4	0.6	1.6	1.8	1.3	1	0.7
CADMIUM	3.9	7	N	3 UL	2.9 UL	0.4	0.3	0.3	0.4	0.6	2	0.2 B	0.2 B
CHROMIUM	12000 [9]	12000	N[9]	14	9.3 K	19.8	17.7	185	19.8	27.4	36.4	15.5	11.8
COBALT	NC	2.3	N	NA	NA	**5.8**	**6.8**	**5.1**	**5.6**	**8.4**	**6.4**	**2.8**	**5.8**
COPPER	310	310	N	34 L	5.1 L	22	14	33	12	16	23	10	6
LEAD	400	400		100 L	3.2 L	51	11	63	8 B	30	148	5 B	17
MERCURY	2.3 [10]	2.3	N[11]	0.15	0.12 U	0.92 L	0.29 L	0.35	0.06	0.08	0.24	0.03	0.04
MOLYBDENUM	NC	39	N	NA	NA	0.6 B	0.4 B	**63**	0.6 B	0.8 B	1 B	0.6 B	0.5 B
NICKEL	160	150	N	8.1	5.4 K	12	12	18	12	22	21	6 B	8
SELENIUM	39	39	N	3 UL	2.9 UL	2 U	2	4	2	2 U	2 U	2 U	2
SILVER	39	39	N	3 UR	2.9 UR	0.9	0.04 U	1.4	0.05 U	0.06 U	0.06 U	0.06 U	0.05 B
VANADIUM	7.8	39	N[12]	NA	NA	**31**	**29.9**	**41.9**	**31**	**35.9**	**49**	**27.2**	**20.5**
ZINC	2300	2300	N	81 K	29 U	82	35	99	28	54	167	25	32
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		12000 U	11000 U	NA	NA	NA	NA	55700	**271000**	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		120 U	110 U	NA	NA	NA	NA	10300 U	13.1 U	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	0.4 U	NA	0.36 U	**0.49**	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	8.2	8.1	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	0.734 J	0.071 J	1.467 J	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-251	SB-251	SB-252	SB-252	SB-253	SB-253	SB-265	SB-265	SB-266	SB-266
SAMPLE ID				SB-251-02	SB-251-SS	SB-252-02	SB-252-SS	SB-253-02	SB-253-SS	SB-265-02	SB-265-SS	SB-266-02	SB-266-SS
SAMPLE DATE				20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH				1	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH				2	1	2	1	2	1	2	1	2	1
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	740 U	152 J	784 U	157 J
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	375 U	369 U	398 U	377 U
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	77 U	40 J	82 U	78 U
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	188 U	25 J	199 U	188 U
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	43 J	242	199 U	158 J
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	110 U	86 J	117 U	43 J
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	375 U	369 U	398 U	377 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	32 J	37 J	199 U	38 J
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	188 U	184 U	199 U	188 U
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	375 U	369 U	398 U	377 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	77.3 U	76 U	81.9 U	77.6 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	77 U	76 U	82 U	78 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	77 U	174	82 U	98
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	77 U	135	82 U	44 J
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	109	870	30 J	291
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	**602**	**2545**	**192**	**1344**
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	**602**	**2545**	**151**	**1344**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	**432**	**1980**	121	**947**
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	**401**	**1800**	**116**	**977**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	**374**	**2300**	129	**1090**
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	260 J	450 J	85 J	253 J
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	405	**1910**	111	1100
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	461	2090	135	1030
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	**86**	**232**	82 UJ	**117**
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	802	4020	245	1940
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	32 J	213	82 U	94
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	**295**	**635**	92 J	**340**
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	77 U	36 J	82 U	78 U
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	417	2740	127	1090
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	637	2570	178	1380
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	4711	22155	1369	10791
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	NA	NA	NA	NA	NA	NA	NA	36 U	NA	36 U
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	119	NA	**756**
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	119	NA	**756**
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.9 L	1 L	0.8 L	0.7 L	0.9 L	1 L	NA	0.5	NA	1
ARSENIC	0.43	0.39	C	**5**	3 B	**4**	2 B	3 B	3 B	NA	**5**	NA	3 B
BARIUM	1600	1500	N	40	40	27	31	36	49	NA	29	NA	44
BERYLLIUM	16	16	N	1	0.7	0.5	0.6	0.7	0.6	NA	1.3	NA	0.8
CADMIUM	3.9	7	N	0.1 B	0.2 B	0.2 B	0.1 B	0.09 B	0.4	NA	0.8	NA	1.8
CHROMIUM	12000 [9]	12000	N[9]	20.8	15.8	15.6	11.8	14	14.4	NA	55.8	NA	31.3
COBALT	NC	2.3	N	**7.1**	**5.9**	**3.5**	**3.6**	**4**	**4.9**	NA	**8.9**	NA	**8.5**
COPPER	310	310	N	10	6	7	4	5	9	NA	17	NA	16
LEAD	400	400		7 B	7 B	6 B	10	5 B	31	NA	20	NA	43
MERCURY	2.3 [10]	2.3	N[11]	0.01	0.02	0.04	0.04	0.03	0.07	NA	0.09	NA	0.51
MOLYBDENUM	NC	39	N	0.5 B	0.6 U	0.7 B	0.4 U	0.5 B	0.5 U	NA	2 B	NA	0.6 B
NICKEL	160	150	N	9	9 B	6 B	6 B	5 B	8 B	NA	20	NA	14
SELENIUM	39	39	N	3	2 U	2 U	2 U	3	2 U	NA	2 U	NA	3
SILVER	39	39	N	0.05 U	0.06 U	0.05 U	0.04 U	0.2 B	0.2 B	NA	1.1	NA	1.1
VANADIUM	7.8	39	N[12]	**35.6**	**24.8**	**27.9**	**20.3**	**25.5**	**29.5**	NA	**46.2**	NA	**33.4**
ZINC	2300	2300	N	34	29	24	25	20	39	NA	50	NA	85
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	**3.6**	NA	**2**
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	8.4	8.3	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.63

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-267	SB-267	SB-268	SB-268	SB-269	SB-269	SB-270	SB-270	SB-382	SB-383
SAMPLE ID				SB-267-02	SB-267-SS	SB-268-02	SB-268-SS	SB-269-02	SB-269-SS	SB-270-02	SB-270-SS	SB-382-0102	SB-383-0102
SAMPLE DATE				20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20071015	20071015
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SB	SS	SB	SS	SB	SS	SB	SB
TOP DEPTH				1	0	1	0	1	0	1	0	1	1
BOTTOM DEPTH				2	1	2	1	2	1	2	1	2	2
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	333 J	925	180 J	16000 U	786 U	765 UJ	217 J	189 J	NA	NA
BENZYL ALCOHOL	NC	610000	N	399 U	386 U	405 U	8110 U	47.5 J	388 UJ	408 U	401 U	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	82 U	80 U	83 U	1670 U	82 U	80 UJ	84 U	83 U	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	199 U	193 U	203 U	4050 U	199 U	194 UJ	204 U	200 U	NA	NA
CARBAZOLE	32000	NC		199 U	193 U	448	4640	199 U	123 J	204 U	32 J	NA	NA
DIBENZOFURAN	7800	7800	N	117 U	114 U	140	1650 J	117 U	27 J	120 U	118 U	NA	NA
DIMETHYL PHTHALATE	NC	NC		399 U	386 U	405 U	8110 U	399 U	388 UJ	408 U	401 U	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	199 U	193 U	37 J	4050 U	199 U	194 UJ	204 U	200 U	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		199 U	193 U	203 U	4050 U	199 U	194 UJ	204 U	200 U	NA	NA
PHENOL	2300000	1800000	N	399 U	386 U	405 U	8110 U	399 U	388 UJ	408 U	401 U	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	82.1 U	79.5 U	36.5 J	1670 U	82.1 U	79.9 UJ	83.9 U	82.5 U	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	82 U	80 U	32 J	1670 U	82 U	80 UJ	84 U	83 U	NA	NA
ACENAPHTHENE	470000	340000	N	82 U	80 U	350	3620	82 U	79 J	84 U	83 U	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	82 U	80 U	49 J	1670 U	82 U	80 UJ	84 U	83 U	NA	NA
ANTHRACENE	2300000	1700000	N	82 U	41 J	1000	9420	82 U	256 J	84 U	66 J	NA	NA
BAP EQUIVALENT-HALFND	22	15		145	313	4262	38098	82 U	1883	123	369	1.5 U	19000
BAP EQUIVALENT-POS	22	15	C	104	313	4262	38098	82 U	1883	81	369	1.5 U	19000
BENZO(A)ANTHRACENE	220	150	C	81 J	209	2980	28700	82 U	1260 J	73 J	239	NA	NA
BENZO(A)PYRENE	22	15	C	80 J	212	3130	25600	82 U	1310 J	62 J	258	1.5 U	19000
BENZO(B)FLUORANTHENE	220	150	C	83	229	4000	26700	82 U	1520 J	65 J	250	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	59 J	113 J	650 J	13200 J	82 UJ	662 J	48 J	175 J	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	90	241	2930	23000	82 U	1360 J	84 U	244	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	82 J	229	2930	28400	82 U	1250 J	69 J	269	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	82 UJ	41 J	307	5250	82 U	206 J	84 UJ	46 J	NA	NA
FLUORANTHENE	310000	230000	N	173	395	8780	63200	82 U	2720 J	163	600	NA	NA
FLUORENE	310000	230000	N	82 U	80 U	331	3580	82 U	68 J	84 U	83 U	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	62 J	138 J	948	14500	82 U	745 J	51 J	135 J	NA	NA
NAPHTHALENE	160000	3600	C	82 U	80 U	57 J	1670 U	82 U	80 UJ	84 U	83 U	NA	NA
PHENANTHRENE	2300000	170000	N[5]	47 J	163	3450	36100	82 U	987 J	81 J	265	NA	NA
PYRENE	230000	170000	N	110	286	4530	45200	28 J	1740 J	113	371	NA	NA
TOTAL PAHS	NC	NC		867	2297	36454	326470	28	14163	725	2918	0 U	19000
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	NA	96	NA	39 U	NA	37 U	NA	38 U	39 U	37 U
AROCLOR-1260	320	220	C	NA	73 J	NA	63	NA	95	NA	29 J	39 U	34 J
TOTAL AROCLOR	320 [7]	220	C[8]	NA	169	NA	63	NA	95	NA	29	0 U	34
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	1	NA	2 L	NA	1 L	NA	1 L	NA	NA
ARSENIC	0.43	0.39	C	NA	3 B	NA	5	NA	6	NA	3 B	NA	NA
BARIUM	1600	1500	N	NA	79	NA	207	NA	103	NA	64	NA	NA
BERYLLIUM	16	16	N	NA	0.8	NA	1.4	NA	1.7	NA	1.1	NA	NA
CADMIUM	3.9	7	N	NA	0.7	NA	3	NA	0.7	NA	0.3 B	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	16.4	NA	31.8	NA	26.1	NA	15.3	NA	NA
COBALT	NC	2.3	N	NA	6	NA	11.7	NA	6.6	NA	5.4	NA	NA
COPPER	310	310	N	NA	16	NA	50	NA	15	NA	12	NA	NA
LEAD	400	400		NA	91	NA	447	NA	56	NA	64	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	0.07	NA	0.49	NA	0.18	NA	0.11	NA	NA
MOLYBDENUM	NC	39	N	NA	0.6 U	NA	1 B	NA	1 B	NA	0.6 B	NA	NA
NICKEL	160	150	N	NA	9	NA	14	NA	13	NA	8 B	NA	NA
SELENIUM	39	39	N	NA	3	NA	2 U	NA	3	NA	2 U	NA	NA
SILVER	39	39	N	NA	0.06 B	NA	0.3 B	NA	0.06 U	NA	0.06 U	NA	NA
VANADIUM	7.8	39	N[12]	NA	21.6	NA	35.8	NA	42.8	NA	26.2	NA	NA
ZINC	2300	2300	N	NA	287	NA	289	NA	74	NA	51	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	85.6	88
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	3.6	NA	0.51	NA	0.64	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-384	SB-385	SB-386	SB-387	SB-388	SB-389	SB-390	SB-391	SB-392	SB-393
SAMPLE ID				SB-384-0102	SB-385-0102	SB-386-0102	SB-387-0102	SB-388-0102	SB-389-0102	SB-390-0102	SB-391-0102	SB-392-0102	SB-393-0102
SAMPLE DATE				20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071016	20071016	20071016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH				2	2	2	2	2	1	2	2	2	2
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.4 U	1.4 U	12	380	220	9.9	1.6 U	1.4 U	450
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.4 U	1.4 U	12	380	220	9.9	1.6 U	1.4 U	450
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.4 U	1.4 U	12 J	380	220 J	9.9 J	1.6 U	1.4 U	450
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	12	380	220	9.9	0 U	0 U	450
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	38 U	36 U	37 U	35 U	35 U	36 U	38 U	39 U	37 U	35 U
AROCLOR-1260	320	220	C	38 U	36 U	37 U	35 U	35 U	36 U	38 U	39 U	37 U	22 J
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	22
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		87	92	90	93.7	93.6	91.2	87	83.6	90.3	94.6
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-394	SB-395	SB-396	SB-397	SB-398	SB-399	SB-400	SB-401	SB-402	SB-403
SAMPLE ID				SB-394-0102	SB-395-0102	SB-396-0102	SB-397-0102	SB-398-0102	SB-399-0102	SB-400-0102	SB-401-0102	SB-402-0102	SB-403-0102
SAMPLE DATE				20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH				2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)													
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		140	1.6 U	80	80	29	1.4 U	9.1	25	37	1.5 U
BAP EQUIVALENT-POS	22	15	C	140	1.6 U	80	80	29	1.4 U	9.1	25	37	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	140 J	1.6 U	80 J	80 J	29 J	1.4 U	9.1 J	25 J	37 J	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		140	0 U	80	80	29	0 U	9.1	25	37	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[6]	37 U	40 U	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U
AROCLOR-1260	320	220	C	37 U	40 U	39 U	35 U	36 U	36 U	36 U	41 U	41 U	37 U
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		90	83.2	85.5	95.1	90.9	90.8	91.6	79.7	79.9	88.6
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-14
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-404 SB-404-0102 20071016 NORMAL SO NORMAL SB 1 2	SB-405 SB-405-0102 20071016 NORMAL SO NORMAL SB 1 2	SB-406 SB-406-0102 20071016 NORMAL SO NORMAL SB 1 2	SB-407 SB-407-0102 20071016 NORMAL SO NORMAL SB 1 2	SB-408 SB-408-0102 20071016 NORMAL SO NORMAL SB 1 2	SB-409 SB-409-0102 20071016 NORMAL SO NORMAL SB 1 2	SB-489 SB-489-0102 20071016 NORMAL SO NORMAL SB 1 2
VOLATILES (UG/KG)										
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NC	610000	N	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	260000	C	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	36	510	130	87	39	9.6
BAP EQUIVALENT-POS	22	15	C	1.5 U	36	510	130	87	39	9.6
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	36 J	510	130 J	87 J	39 J	9.6 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	36	510	130	87	39	9.6
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1254	320	110	N[6]	38 U	36 U	38 U	42 U	40 U	43 U	41 U
AROCLOR-1260	320	220	C	38 U	36 U	38 U	42 U	40 U	43 U	41 U
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)										
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC		86.6	91.3	87.2	78.6	81.8	77.6	79.8
MISCELLANEOUS PARAMETERS (MG/KG)										
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)										
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value for acenaphthene is used as a surrogate for acenaphthylene.
5 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
6 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
7 - The value is for PCB (total).
8 - The value is for polychlorinated biphenyls (high risk).
9 - The value is for trivalent chromium.
10 - The value is for mercury (inorganic/mercuric dichloride).
11 - The value is for mercuric chloride.
12 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-024A	SB-024A	SB-024A	SB-055	SB-056	SB-056	SB-056
SAMPLE ID	F-SB-24ARE-3	F-SB-24ARE-4	F-SB-24ARE-5	F-SB-55RE-10	F-SB-56RE-10	F-SB-56RE-3	F-SB-56RE-4
SAMPLE DATE	20090922	20090922	20090922	20090918	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	10	3	4
BOTTOM DEPTH	3	4	5	10	10	3	4
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-024A	SB-024A	SB-024A	SB-055	SB-056	SB-056	SB-056
SAMPLE ID	F-SB-24ARE-3	F-SB-24ARE-4	F-SB-24ARE-5	F-SB-55RE-10	F-SB-56RE-10	F-SB-56RE-3	F-SB-56RE-4
SAMPLE DATE	20090922	20090922	20090922	20090918	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	10	3	4
BOTTOM DEPTH	3	4	5	10	10	3	4
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	1.4 U	1.4 U	1.3 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	2 U	2 U	1.9 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-024A	SB-024A	SB-024A	SB-055	SB-056	SB-056	SB-056
SAMPLE ID	F-SB-24ARE-3	F-SB-24ARE-4	F-SB-24ARE-5	F-SB-55RE-10	F-SB-56RE-10	F-SB-56RE-3	F-SB-56RE-4
SAMPLE DATE	20090922	20090922	20090922	20090918	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	10	3	4
BOTTOM DEPTH	3	4	5	10	10	3	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	1 U	1.1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	1.7 U	1.8 U	1.7 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.086	0.083	0.021 U	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-024A	SB-024A	SB-024A	SB-055	SB-056	SB-056	SB-056
SAMPLE ID	F-SB-24ARE-3	F-SB-24ARE-4	F-SB-24ARE-5	F-SB-55RE-10	F-SB-56RE-10	F-SB-56RE-3	F-SB-56RE-4
SAMPLE DATE	20090922	20090922	20090922	20090918	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	10	3	4
BOTTOM DEPTH	3	4	5	10	10	3	4
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-056	SB-056	SB-056	SB-056	SB-056	SB-265RE	SB-265RE	SB-266RE	SB-266RE	SB-267RE	SB-267RE
SAMPLE ID	F-SB-56RE-5	F-SB-56RE-6	F-SB-56RE-7	F-SB-56RE-8	F-SB-56RE-9	F-SB-265RE-3	F-SB-265RE-4	F-SB-266RE-3	F-SB-266RE-4	F-SB-267RE-3	F-SB-267RE-4
SAMPLE DATE	20090918	20090918	20090918	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	3	4	3	4
BOTTOM DEPTH	5	6	7	8	9	3	4	3	4	3	4
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-056	SB-056	SB-056	SB-056	SB-056	SB-265RE	SB-265RE	SB-266RE	SB-266RE	SB-267RE	SB-267RE
SAMPLE ID	F-SB-56RE-5	F-SB-56RE-6	F-SB-56RE-7	F-SB-56RE-8	F-SB-56RE-9	F-SB-265RE-3	F-SB-265RE-4	F-SB-266RE-3	F-SB-266RE-4	F-SB-267RE-3	F-SB-267RE-4
SAMPLE DATE	20090918	20090918	20090918	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	3	4	3	4
BOTTOM DEPTH	5	6	7	8	9	3	4	3	4	3	4
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	36	1.7 U	2.5	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	36	1.7 U	0.87	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	24	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	26	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.5 U	1.5 U	1.4 U	1.4 U	1.4 U	41	1.5 U	8.7	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2.1 U	2 U	2 U	2 U	14	2.2 U	2 U	1.9 U	1.9 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-056	SB-056	SB-056	SB-056	SB-056	SB-265RE	SB-265RE	SB-266RE	SB-266RE	SB-267RE	SB-267RE
SAMPLE ID	F-SB-56RE-5	F-SB-56RE-6	F-SB-56RE-7	F-SB-56RE-8	F-SB-56RE-9	F-SB-265RE-3	F-SB-265RE-4	F-SB-266RE-3	F-SB-266RE-4	F-SB-267RE-3	F-SB-267RE-4
SAMPLE DATE	20090918	20090918	20090918	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	3	4	3	4
BOTTOM DEPTH	5	6	7	8	9	3	4	3	4	3	4
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1 U	1 U	28	1.1 U	1.1 U	1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	1.9 U	1.8 U	1.7 U	1.7 U	29	1.9 U	1.8 U	1.7 U	1.7 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	162	0 U	8.7	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	25 U	24 U	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	19 U	18 U	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	17 U	16 U	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	15 U	15 U	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	20 U	19 U	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	20 U	19 U	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	20 U	19 U	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	0 U	0 U	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-056	SB-056	SB-056	SB-056	SB-056	SB-265RE	SB-265RE	SB-266RE	SB-266RE	SB-267RE	SB-267RE
SAMPLE ID	F-SB-56RE-5	F-SB-56RE-6	F-SB-56RE-7	F-SB-56RE-8	F-SB-56RE-9	F-SB-265RE-3	F-SB-265RE-4	F-SB-266RE-3	F-SB-266RE-4	F-SB-267RE-3	F-SB-267RE-4
SAMPLE DATE	20090918	20090918	20090918	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	3	4	3	4
BOTTOM DEPTH	5	6	7	8	9	3	4	3	4	3	4
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-269RE
SAMPLE ID	F-SB-268RE-10	F-SB-268RE-3	F-SB-268RE-4	F-SB-268RE-5	F-SB-268RE-6	F-SB-268RE-7	F-SB-268RE-7-AVG	F-SB-268RE-7-D	F-SB-268RE-8	F-SB-268RE-9	F-SB-269RE-3
SAMPLE DATE	20091006	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20091006	20091006	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8	9	3
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8	9	3
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-269RE
SAMPLE ID	F-SB-268RE-10	F-SB-268RE-3	F-SB-268RE-4	F-SB-268RE-5	F-SB-268RE-6	F-SB-268RE-7	F-SB-268RE-7-AVG	F-SB-268RE-7-D	F-SB-268RE-8	F-SB-268RE-9	F-SB-269RE-3
SAMPLE DATE	20091006	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20091006	20091006	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8	9	3
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8	9	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	441	7604	745	298	1376	709	1876	3043	4.8	116	1.6 U
BAP EQUIVALENT-POS	441	7604	745	298	1376	709	1876	3043	4.0	116	1.6 U
BENZO(A)ANTHRACENE	340	5700	550	220	1000	490 J	1395	2300 J	3.4 J	87	1.1 U
BENZO(A)PYRENE	280	5200	520	210	980	510 J	1305	2100 J	3.1 J	75	1.6 U
BENZO(B)FLUORANTHENE	450	6500	580	280	1200	590 J	1595	2600 J	3.2 J	110	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	8.3 U	2900	350	110	600	340 J	720	1100 J	1.6 U	1.6 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-269RE
SAMPLE ID	F-SB-268RE-10	F-SB-268RE-3	F-SB-268RE-4	F-SB-268RE-5	F-SB-268RE-6	F-SB-268RE-7	F-SB-268RE-7-AVG	F-SB-268RE-7-D	F-SB-268RE-8	F-SB-268RE-9	F-SB-269RE-3
SAMPLE DATE	20091006	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20091006	20091006	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8	9	3
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8	9	3
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	290	5400	480	210	850	500 J	1250	2000 J	2.9 J	70	1.1 U
DIBENZO(A,H)ANTHRACENE	62	860	79	26	120	61 J	190.5	320 J	1.7 U	16	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	200	2900	290	110	490	260 J	730	1200 J	1.9 J	49	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1622	29460	2849	1166	5240	2751	7185.5	11620	14.5	407	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-269RE
SAMPLE ID	F-SB-268RE-10	F-SB-268RE-3	F-SB-268RE-4	F-SB-268RE-5	F-SB-268RE-6	F-SB-268RE-7	F-SB-268RE-7-AVG	F-SB-268RE-7-D	F-SB-268RE-8	F-SB-268RE-9	F-SB-269RE-3
SAMPLE DATE	20091006	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20091006	20091006	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8	9	3
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8	9	3
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-269RE	SB-270RE	SB-270RE	SB-383	SB-383	SB-388	SB-388	SB-388	SB-389	SB-389	SB-390
SAMPLE ID	F-SB-269RE-4	F-SB-270RE-3	F-SB-270RE-4	F-SB-383RE-3	F-SB-383RE-4	F-SB-388RE-3	F-SB-388RE-4	F-SB-388RE-5	F-SB-389RE-3	F-SB-389RE-4	F-SB-390RE-6
SAMPLE DATE	20090921	20090921	20090921	20090918	20090918	20090921	20090921	20090921	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	3	4	3	4	5	3	4	6
BOTTOM DEPTH	4	3	4	3	4	3	4	5	3	4	6
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-269RE	SB-270RE	SB-270RE	SB-383	SB-383	SB-388	SB-388	SB-388	SB-389	SB-389	SB-390
SAMPLE ID	F-SB-269RE-4	F-SB-270RE-3	F-SB-270RE-4	F-SB-383RE-3	F-SB-383RE-4	F-SB-388RE-3	F-SB-388RE-4	F-SB-388RE-5	F-SB-389RE-3	F-SB-389RE-4	F-SB-390RE-6
SAMPLE DATE	20090921	20090921	20090921	20090918	20090918	20090921	20090921	20090921	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	3	4	3	4	5	3	4	6
BOTTOM DEPTH	4	3	4	3	4	3	4	5	3	4	6
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.3 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	1.9 U	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-269RE	SB-270RE	SB-270RE	SB-383	SB-383	SB-388	SB-388	SB-388	SB-389	SB-389	SB-390
SAMPLE ID	F-SB-269RE-4	F-SB-270RE-3	F-SB-270RE-4	F-SB-383RE-3	F-SB-383RE-4	F-SB-388RE-3	F-SB-388RE-4	F-SB-388RE-5	F-SB-389RE-3	F-SB-389RE-4	F-SB-390RE-6
SAMPLE DATE	20090921	20090921	20090921	20090918	20090918	20090921	20090921	20090921	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	3	4	3	4	5	3	4	6
BOTTOM DEPTH	4	3	4	3	4	3	4	5	3	4	6
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-269RE	SB-270RE	SB-270RE	SB-383	SB-383	SB-388	SB-388	SB-388	SB-389	SB-389	SB-390
SAMPLE ID	F-SB-269RE-4	F-SB-270RE-3	F-SB-270RE-4	F-SB-383RE-3	F-SB-383RE-4	F-SB-388RE-3	F-SB-388RE-4	F-SB-388RE-5	F-SB-389RE-3	F-SB-389RE-4	F-SB-390RE-6
SAMPLE DATE	20090921	20090921	20090921	20090918	20090918	20090921	20090921	20090921	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	3	4	3	4	5	3	4	6
BOTTOM DEPTH	4	3	4	3	4	3	4	5	3	4	6
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-390	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-397	SB-397	SB-405
SAMPLE ID	F-SB-390RE-7	F-SB-393RE-3	F-SB-393RE-4	F-SB-393RE-5	F-SB-393RE-5-AVG	F-SB-393RE-5-D	F-SB-393RE-6	F-SB-393RE-7	F-SB-397RE-6	F-SB-397RE-7	F-SB-405RE-10
SAMPLE DATE	20090918	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	4	5	5	5	6	7	6	7	10
BOTTOM DEPTH	7	3	4	5	5	5	6	7	6	7	10
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-390	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-397	SB-397	SB-405
SAMPLE ID	F-SB-390RE-7	F-SB-393RE-3	F-SB-393RE-4	F-SB-393RE-5	F-SB-393RE-5-AVG	F-SB-393RE-5-D	F-SB-393RE-6	F-SB-393RE-7	F-SB-397RE-6	F-SB-397RE-7	F-SB-405RE-10
SAMPLE DATE	20090918	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	4	5	5	5	6	7	6	7	10
BOTTOM DEPTH	7	3	4	5	5	5	6	7	6	7	10
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	329	1.5 U	29	44	58	1.5 U	1.5 U	37	25	30
BAP EQUIVALENT-POS	1.5 U	329	1.5 U	28	43	58	1.5 U	1.5 U	36	24	29
BENZO(A)ANTHRACENE	1.1 U	230	1.1 U	21 J	33	45 J	1.1 U	1.1 U	27	18	31
BENZO(A)PYRENE	1.5 U	230	1.5 U	22 J	33.5	45 J	1.5 U	1.5 U	28	19	22
BENZO(B)FLUORANTHENE	1.4 U	270	1.4 U	29 J	40.5	52 J	1.4 U	1.4 U	34	21	30
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	120	2 U	9.5 J	19.25	29 J	2 U	1.9 U	17	13	20
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-390	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-397	SB-397	SB-405
SAMPLE ID	F-SB-390RE-7	F-SB-393RE-3	F-SB-393RE-4	F-SB-393RE-5	F-SB-393RE-5-AVG	F-SB-393RE-5-D	F-SB-393RE-6	F-SB-393RE-7	F-SB-397RE-6	F-SB-397RE-7	F-SB-405RE-10
SAMPLE DATE	20090918	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	4	5	5	5	6	7	6	7	10
BOTTOM DEPTH	7	3	4	5	5	5	6	7	6	7	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	250	1.1 U	21 J	33.5	46 J	1.1 U	1 U	27	18	31
DIBENZO(A,H)ANTHRACENE	1.5 U	36	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.7 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	120	1.8 U	13 J	20	27 J	1.8 U	1.7 U	15	10	11
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	1256	0 U	115.5	179.75	244	0 U	0 U	148	99	145
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-390	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-397	SB-397	SB-405
SAMPLE ID	F-SB-390RE-7	F-SB-393RE-3	F-SB-393RE-4	F-SB-393RE-5	F-SB-393RE-5-AVG	F-SB-393RE-5-D	F-SB-393RE-6	F-SB-393RE-7	F-SB-397RE-6	F-SB-397RE-7	F-SB-405RE-10
SAMPLE DATE	20090918	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	4	5	5	5	6	7	6	7	10
BOTTOM DEPTH	7	3	4	5	5	5	6	7	6	7	10
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-405	SB-626	SB-626	SB-626	SB-626C	SB-626D	SB-626D	SB-626D	SB-628	SB-629	SB-630
SAMPLE ID	F-SB-405RE-9	F-SB-626-3	F-SB-626-4	F-SB-626-5	F-SB-626C-3	F-SB-626D-3	F-SB-626D-3-AVG	F-SB-626D-3-D	F-SB-628-10	F-SB-629-10	F-SB-630-10
SAMPLE DATE	20090922	20090922	20090922	20090922	20091111	20091111	20091111	20091111	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	4	5	3	3	3	3	10	10	10
BOTTOM DEPTH	9	3	4	5	3	3	3	3	10	10	10
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-405	SB-626	SB-626	SB-626	SB-626C	SB-626D	SB-626D	SB-626D	SB-628	SB-629	SB-630
SAMPLE ID	F-SB-405RE-9	F-SB-626-3	F-SB-626-4	F-SB-626-5	F-SB-626C-3	F-SB-626D-3	F-SB-626D-3-AVG	F-SB-626D-3-D	F-SB-628-10	F-SB-629-10	F-SB-630-10
SAMPLE DATE	20090922	20090922	20090922	20090922	20091111	20091111	20091111	20091111	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	4	5	3	3	3	3	10	10	10
BOTTOM DEPTH	9	3	4	5	3	3	3	3	10	10	10
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2582	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	2577	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	3000	NA	NA	NA	NA	NA	NA	NA	1.2 U	1.2 U	1.1 U
BENZO(A)PYRENE	1900	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	2900	NA	NA	NA	NA	NA	NA	NA	1.5 U	1.5 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1300	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-405	SB-626	SB-626	SB-626	SB-626C	SB-626D	SB-626D	SB-626D	SB-628	SB-629	SB-630
SAMPLE ID	F-SB-405RE-9	F-SB-626-3	F-SB-626-4	F-SB-626-5	F-SB-626C-3	F-SB-626D-3	F-SB-626D-3-AVG	F-SB-626D-3-D	F-SB-628-10	F-SB-629-10	F-SB-630-10
SAMPLE DATE	20090922	20090922	20090922	20090922	20091111	20091111	20091111	20091111	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	4	5	3	3	3	3	10	10	10
BOTTOM DEPTH	9	3	4	5	3	3	3	3	10	10	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	4400	NA	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	8.2 U	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	700	NA	NA	NA	NA	NA	NA	NA	1.9 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	14200	NA	NA	NA	NA	NA	NA	NA	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.6	0.5	0.019 U	0.13	1	0.86	0.72	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-405	SB-626	SB-626	SB-626	SB-626C	SB-626D	SB-626D	SB-626D	SB-628	SB-629	SB-630
SAMPLE ID	F-SB-405RE-9	F-SB-626-3	F-SB-626-4	F-SB-626-5	F-SB-626C-3	F-SB-626D-3	F-SB-626D-3-AVG	F-SB-626D-3-D	F-SB-628-10	F-SB-629-10	F-SB-630-10
SAMPLE DATE	20090922	20090922	20090922	20090922	20091111	20091111	20091111	20091111	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	4	5	3	3	3	3	10	10	10
BOTTOM DEPTH	9	3	4	5	3	3	3	3	10	10	10
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-631	SB-632	SB-632	SB-633	SB-633	SB-634	SB-634	SB-635	SB-635	SB-635	SB-635
SAMPLE ID	F-SB-631-10	F-SB-632-10	F-SB-632-9	F-SB-633-10	F-SB-633-9	F-SB-634-10	F-SB-634-9	F-SB-635-10	F-SB-635-10-AVG	F-SB-635-10-D	F-SB-635-9
SAMPLE DATE	20090918	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	9	10	9	10	9	10	10	10	9
BOTTOM DEPTH	10	10	9	10	9	10	9	10	10	10	9
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-631	SB-632	SB-632	SB-633	SB-633	SB-634	SB-634	SB-635	SB-635	SB-635	SB-635
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SAMPLE DATE	20090918	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	9	10	9	10	9	10	10	10	9
BOTTOM DEPTH	10	10	9	10	9	10	9	10	10	10	9
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	65	2.7	1.7 U	1.6 U	1.8 U	3.0	1.5 U	17	34	276
BAP EQUIVALENT-POS	1.5 U	64	1	1.7 U	1.6 U	1.8 U	1.1	1.5 U	17	33	275
BENZO(A)ANTHRACENE	1.1 U	79	1.1 U	1.2 U	1.2 U	1.3 U	1.3 U	1.1 UJ	16	31 J	220
BENZO(A)PYRENE	1.5 U	40	1.5 U	1.7 U	1.6 U	1.8 U	1.7 U	1.5 UJ	13	25 J	210
BENZO(B)FLUORANTHENE	1.4 U	120	10	1.5 U	1.5 U	1.7 U	11	1.4 UJ	17	34 J	310
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	59	2 U	2.2 U	2.1 U	2.4 U	2.3 U	2 UJ	7	13 J	150
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-631	SB-632	SB-632	SB-633	SB-633	SB-634	SB-634	SB-635	SB-635	SB-635	SB-635
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SAMPLE DATE	20090918	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	9	10	9	10	9	10	10	10	9
BOTTOM DEPTH	10	10	9	10	9	10	9	10	10	10	9
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	110	1.1 U	1.2 U	1.1 U	1.3 U	1.2 U	1.1 UJ	15.275	30 J	310
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.5 U	1.7 U	1.6 U	1.8 U	1.7 U	1.5 UJ	1.55 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	34	1.8 U	1.9 U	1.9 U	2.1 U	2 U	1.8 UJ	6.95	13 J	100
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	442	10	0 U	0 U	0 U	11	0 U	73	146	1300
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE DATE	20090918	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	9	10	9	10	9	10	10	10	9
BOTTOM DEPTH	10	10	9	10	9	10	9	10	10	10	9
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-635C	SB-635C	SB-635C	SB-635C	SB-635C	SB-635D	SB-635D	SB-635D	SB-636	SB-636	SB-636
SAMPLE ID	F-SB-635C-3	F-SB-635C-5	F-SB-635C-7	F-SB-635C-7-AVG	F-SB-635C-7-D	F-SB-635D-5	F-SB-635D-7	F-SB-635D-9	F-SB-636-3	F-SB-636-3-AVG	F-SB-636-3-D
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091110	20091110	20091110	20091007	20091007	20091007
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	5	7	9	3	3	3
BOTTOM DEPTH	3	5	7	7	7	5	7	9	3	3	3
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-635C	SB-635C	SB-635C	SB-635C	SB-635C	SB-635D	SB-635D	SB-635D	SB-636	SB-636	SB-636
SAMPLE ID	F-SB-635C-3	F-SB-635C-5	F-SB-635C-7	F-SB-635C-7-AVG	F-SB-635C-7-D	F-SB-635D-5	F-SB-635D-7	F-SB-635D-9	F-SB-636-3	F-SB-636-3-AVG	F-SB-636-3-D
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091110	20091110	20091110	20091007	20091007	20091007
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	5	7	9	3	3	3
BOTTOM DEPTH	3	5	7	7	7	5	7	9	3	3	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	26	28	52	135	219	1.6 U	1.6 U	1.6 U	116	101	86
BAP EQUIVALENT-POS	25	27	51	135	219	1.6 U	1.6 U	1.6 U	116	101	86
BENZO(A)ANTHRACENE	18	18	55 J	122.5	190 J	1.1 U	1.2 U	1.2 U	65 J	51.5	38 J
BENZO(A)PYRENE	20	21	36 J	88	140 J	1.6 U	1.6 U	1.6 U	77	65	53
BENZO(B)FLUORANTHENE	21	26	75 J	187.5	300 J	1.4 U	1.5 U	1.5 U	91	85	79
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	14	12	24 J	59	94 J	2 U	2.1 U	2.1 U	40 J	30	20 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-635C	SB-635C	SB-635C	SB-635C	SB-635C	SB-635D	SB-635D	SB-635D	SB-636	SB-636	SB-636
SAMPLE ID	F-SB-635C-3	F-SB-635C-5	F-SB-635C-7	F-SB-635C-7-AVG	F-SB-635C-7-D	F-SB-635D-5	F-SB-635D-7	F-SB-635D-9	F-SB-636-3	F-SB-636-3-AVG	F-SB-636-3-D
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091110	20091110	20091110	20091007	20091007	20091007
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	5	7	9	3	3	3
BOTTOM DEPTH	3	5	7	7	7	5	7	9	3	3	3
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	20	22	66 J	168	270 J	1.1 U	1.1 U	1.1 U	100 J	76	52 J
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.6 U	11.4	22	1.6 U	1.6 U	1.6 U	17	17	17
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	14	13	19 J	41.5	64 J	1.8 U	1.8 U	1.9 U	57	51	45
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	107	112	275	677.5	1080	0 U	0 U	0 U	447	375.5	304
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	27 U	27 U	27 U
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	21 U	21 U	21 U
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	18 U	18 U	18 U
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	17 U	17 U	17 U
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	22 U	22 U	22 U
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	22 U	22 U	22 U
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	22 U	22 U	22 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-635C	SB-635C	SB-635C	SB-635C	SB-635C	SB-635D	SB-635D	SB-635D	SB-636	SB-636	SB-636
SAMPLE ID	F-SB-635C-3	F-SB-635C-5	F-SB-635C-7	F-SB-635C-7-AVG	F-SB-635C-7-D	F-SB-635D-5	F-SB-635D-7	F-SB-635D-9	F-SB-636-3	F-SB-636-3-AVG	F-SB-636-3-D
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091110	20091110	20091110	20091007	20091007	20091007
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	5	7	9	3	3	3
BOTTOM DEPTH	3	5	7	7	7	5	7	9	3	3	3
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636	SB-636	SB-636	SB-636A	SB-636A	SB-636A	SB-636A	SB-636A	SB-636B	SB-636B	SB-636B
SAMPLE ID	F-SB-636-5	F-SB-636-7	F-SB-636-9	F-SB-636A-3	F-SB-636A-5	F-SB-636A-7	F-SB-636A-7-AVG	F-SB-636A-7-D	F-SB-636B-3	F-SB-636B-5	F-SB-636B-7
SAMPLE DATE	20091007	20091019	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	7	7	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7	7	7	3	5	7
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636	SB-636	SB-636	SB-636A	SB-636A	SB-636A	SB-636A	SB-636A	SB-636B	SB-636B	SB-636B
SAMPLE ID	F-SB-636-5	F-SB-636-7	F-SB-636-9	F-SB-636A-3	F-SB-636A-5	F-SB-636A-7	F-SB-636A-7-AVG	F-SB-636A-7-D	F-SB-636B-3	F-SB-636B-5	F-SB-636B-7
SAMPLE DATE	20091007	20091019	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	7	7	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7	7	7	3	5	7
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	315	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	315	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	230	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	220	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	290	1.4 U	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	120	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636	SB-636	SB-636	SB-636A	SB-636A	SB-636A	SB-636A	SB-636A	SB-636B	SB-636B	SB-636B
SAMPLE ID	F-SB-636-5	F-SB-636-7	F-SB-636-9	F-SB-636A-3	F-SB-636A-5	F-SB-636A-7	F-SB-636A-7-AVG	F-SB-636A-7-D	F-SB-636B-3	F-SB-636B-5	F-SB-636B-7
SAMPLE DATE	20091007	20091019	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	7	7	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7	7	7	3	5	7
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	210	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	29	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	130	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1229	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	16 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	15 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	19 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	19 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	27 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636	SB-636	SB-636	SB-636A	SB-636A	SB-636A	SB-636A	SB-636A	SB-636B	SB-636B	SB-636B
SAMPLE ID	F-SB-636-5	F-SB-636-7	F-SB-636-9	F-SB-636A-3	F-SB-636A-5	F-SB-636A-7	F-SB-636A-7-AVG	F-SB-636A-7-D	F-SB-636B-3	F-SB-636B-5	F-SB-636B-7
SAMPLE DATE	20091007	20091019	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	7	7	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7	7	7	3	5	7
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636C	SB-636C	SB-636C	SB-636D	SB-636D	SB-636D	SB-637	SB-637	SB-637B	SB-637B	SB-637B
SAMPLE ID	F-SB-636C-3	F-SB-636C-5	F-SB-636C-7	F-SB-636D-3	F-SB-636D-5	F-SB-636D-7	F-SB-637-3	F-SB-637-5	F-SB-637B-3	F-SB-637B-5	F-SB-637B-5-AVG
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091007	20091007	20091106	20091106	20091106
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	7	3	5	3	5	5
BOTTOM DEPTH	3	5	7	3	5	7	3	5	3	5	5
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636C	SB-636C	SB-636C	SB-636D	SB-636D	SB-636D	SB-637	SB-637	SB-637B	SB-637B	SB-637B
SAMPLE ID	F-SB-636C-3	F-SB-636C-5	F-SB-636C-7	F-SB-636D-3	F-SB-636D-5	F-SB-636D-7	F-SB-637-3	F-SB-637-5	F-SB-637B-3	F-SB-637B-5	F-SB-637B-5-AVG
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091007	20091007	20091106	20091106	20091106
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	7	3	5	3	5	5
BOTTOM DEPTH	3	5	7	3	5	7	3	5	3	5	5
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	390	38	1.5 U	34	1.5 U	1.6 U	3.7	68	1.5 U	1.6 U	1.55 U
BAP EQUIVALENT-POS	390	38	1.5 U	33	1.5 U	1.6 U	2.0	67	1.5 U	1.6 U	1.55 U
BENZO(A)ANTHRACENE	310	24	1.1 U	29	1.1 U	1.1 U	8.9	54	1.1 U	1.2 U	1.15 U
BENZO(A)PYRENE	260	30	1.5 U	25	1.5 U	1.6 U	1.6 U	51	1.5 U	1.6 U	1.55 U
BENZO(B)FLUORANTHENE	350	29	1.4 U	35	1.4 U	1.5 U	11	79	1.4 U	1.5 U	1.45 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	150	14	1.9 U	8.6	2 U	2.1 U	2.1 U	28	2 U	2.1 U	2.05 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-636C	SB-636C	SB-636C	SB-636D	SB-636D	SB-636D	SB-637	SB-637	SB-637B	SB-637B	SB-637B
SAMPLE ID	F-SB-636C-3	F-SB-636C-5	F-SB-636C-7	F-SB-636D-3	F-SB-636D-5	F-SB-636D-7	F-SB-637-3	F-SB-637-5	F-SB-637B-3	F-SB-637B-5	F-SB-637B-5-AVG
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091007	20091007	20091106	20091106	20091106
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	7	3	5	3	5	5
BOTTOM DEPTH	3	5	7	3	5	7	3	5	3	5	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	270	22	1 U	25	1 U	1.1 U	11	70	1 U	1.1 U	1.05 U
DIBENZO(A,H)ANTHRACENE	48	1.5 U	1.5 U	1.7 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.55 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	140	22	1.7 U	12	1.7 U	1.8 U	1.8 U	27	1.7 U	1.8 U	1.75 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1528	141	0 U	134.6	0 U	0 U	30.9	309	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	26 U	25 U	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	19 U	19 U	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	17 U	17 U	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	16 U	16 U	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	21 U	21 U	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	21 U	21 U	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	21 U	21 U	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	0 U	0 U	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-636C	SB-636C	SB-636C	SB-636D	SB-636D	SB-636D	SB-637	SB-637	SB-637B	SB-637B	SB-637B
SAMPLE ID	F-SB-636C-3	F-SB-636C-5	F-SB-636C-7	F-SB-636D-3	F-SB-636D-5	F-SB-636D-7	F-SB-637-3	F-SB-637-5	F-SB-637B-3	F-SB-637B-5	F-SB-637B-5-AVG
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091007	20091007	20091106	20091106	20091106
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	7	3	5	3	5	5
BOTTOM DEPTH	3	5	7	3	5	7	3	5	3	5	5
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-637B	SB-637C	SB-637C	SB-638	SB-638	SB-638	SB-638	SB-639	SB-639
SAMPLE ID	F-SB-637B-5-D	F-SB-637C-3	F-SB-637C-5	F-SB-638-3	F-SB-638-3-AVG	F-SB-638-3-D	F-SB-638-5	F-SB-639-3	F-SB-639-5
SAMPLE DATE	20091106	20091106	20091106	20091007	20091007	20091007	20091007	20091007	20091007
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	3	3	5	3	5
BOTTOM DEPTH	5	3	5	3	3	3	5	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-637B	SB-637C	SB-637C	SB-638	SB-638	SB-638	SB-638	SB-639	SB-639
SAMPLE ID	F-SB-637B-5-D	F-SB-637C-3	F-SB-637C-5	F-SB-638-3	F-SB-638-3-AVG	F-SB-638-3-D	F-SB-638-5	F-SB-639-3	F-SB-639-5
SAMPLE DATE	20091106	20091106	20091106	20091007	20091007	20091007	20091007	20091007	20091007
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	3	3	5	3	5
BOTTOM DEPTH	5	3	5	3	3	3	5	3	5
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	2.4
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	0.78
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	7.8
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	1.9 U	2 U	2 U	2 U	2 U	1.9 U	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-637B	SB-637C	SB-637C	SB-638	SB-638	SB-638	SB-638	SB-639	SB-639
SAMPLE ID	F-SB-637B-5-D	F-SB-637C-3	F-SB-637C-5	F-SB-638-3	F-SB-638-3-AVG	F-SB-638-3-D	F-SB-638-5	F-SB-639-3	F-SB-639-5
SAMPLE DATE	20091106	20091106	20091106	20091007	20091007	20091007	20091007	20091007	20091007
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	3	3	5	3	5
BOTTOM DEPTH	5	3	5	3	3	3	5	3	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1 U	1 U	1.1 U	1.05 U	1 U	1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.7 U	1.7 U	1.8 U	1.75 U	1.7 U	1.7 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	7.8
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	25 U	24.5 U	24 U	24 U	26 U	25 U
AROCLOR-1221	NA	NA	NA	19 U	19 U	19 U	18 U	20 U	19 U
AROCLOR-1232	NA	NA	NA	16 U	16 U	16 U	16 U	17 U	16 U
AROCLOR-1242	NA	NA	NA	15 U	15 U	15 U	15 U	16 U	15 U
AROCLOR-1248	NA	NA	NA	20 U	20 U	20 U	19 U	21 U	20 U
AROCLOR-1254	NA	NA	NA	20 U	20 U	20 U	19 U	21 U	20 U
AROCLOR-1260	NA	NA	NA	20 U	20 U	20 U	19 U	21 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-637B	SB-637C	SB-637C	SB-638	SB-638	SB-638	SB-638	SB-639	SB-639
SAMPLE ID	F-SB-637B-5-D	F-SB-637C-3	F-SB-637C-5	F-SB-638-3	F-SB-638-3-AVG	F-SB-638-3-D	F-SB-638-5	F-SB-639-3	F-SB-639-5
SAMPLE DATE	20091106	20091106	20091106	20091007	20091007	20091007	20091007	20091007	20091007
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	3	3	5	3	5
BOTTOM DEPTH	5	3	5	3	3	3	5	3	5
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-640	SB-640	SB-641	SB-641	SB-641A	SB-641B	SB-641C	SB-642
SAMPLE ID	F-SB-640-3	F-SB-640-5	F-SB-641-3	F-SB-641-5	F-SB-641A-3	F-SB-641B-3	F-SB-641C-3	F-SB-642-3
SAMPLE DATE	20091007	20091007	20091006	20091006	20091104	20091104	20091104	20091019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	3	5	3	3	3	3
BOTTOM DEPTH	3	5	3	5	3	3	3	3
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-640	SB-640	SB-641	SB-641	SB-641A	SB-641B	SB-641C	SB-642
SAMPLE ID	F-SB-640-3	F-SB-640-5	F-SB-641-3	F-SB-641-5	F-SB-641A-3	F-SB-641B-3	F-SB-641C-3	F-SB-642-3
SAMPLE DATE	20091007	20091007	20091006	20091006	20091104	20091104	20091104	20091019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	3	5	3	3	3	3
BOTTOM DEPTH	3	5	3	5	3	3	3	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	7.4	2.2 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	6.5	2.2 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	4.9 J	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	4.7 J	2.2 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	8.1	1.6 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	1.6 U	1.6 U	2 U	1.9 U	1.9 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	4.4 J	1.4 U	1.1 U	1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	5.4 J	0.43 U	1.8 U	1.7 U	1.7 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-640	SB-640	SB-641	SB-641	SB-641A	SB-641B	SB-641C	SB-642
SAMPLE ID	F-SB-640-3	F-SB-640-5	F-SB-641-3	F-SB-641-5	F-SB-641A-3	F-SB-641B-3	F-SB-641C-3	F-SB-642-3
SAMPLE DATE	20091007	20091007	20091006	20091006	20091104	20091104	20091104	20091019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	3	5	3	3	3	3
BOTTOM DEPTH	3	5	3	5	3	3	3	3
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	27.5	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	25 U	25 U	NA	NA	NA	NA	NA	NA
AROCLOR-1221	19 U	19 U	NA	NA	NA	NA	NA	NA
AROCLOR-1232	16 U	17 U	NA	NA	NA	NA	NA	NA
AROCLOR-1242	15 U	15 U	NA	NA	NA	NA	NA	NA
AROCLOR-1248	20 U	20 U	NA	NA	NA	NA	NA	NA
AROCLOR-1254	20 U	20 U	NA	NA	NA	NA	NA	NA
AROCLOR-1260	20 U	20 U	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-640	SB-640	SB-641	SB-641	SB-641A	SB-641B	SB-641C	SB-642
SAMPLE ID	F-SB-640-3	F-SB-640-5	F-SB-641-3	F-SB-641-5	F-SB-641A-3	F-SB-641B-3	F-SB-641C-3	F-SB-642-3
SAMPLE DATE	20091007	20091007	20091006	20091006	20091104	20091104	20091104	20091019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	3	5	3	3	3	3
BOTTOM DEPTH	3	5	3	5	3	3	3	3
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642	SB-642	SB-642	SB-642	SB-642	SB-642A	SB-642A	SB-642A
SAMPLE ID	F-SB-642-3-AVG	F-SB-642-3-D	F-SB-642-5	F-SB-642-7	F-SB-642-9	F-SB-642A-3	F-SB-642A-5	F-SB-642A-7
SAMPLE DATE	20091019	20091019	20091019	20091019	20091019	20091104	20091104	20091104
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	5	7	9	3	5	7
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642	SB-642	SB-642	SB-642	SB-642	SB-642A	SB-642A	SB-642A
SAMPLE ID	F-SB-642-3-AVG	F-SB-642-3-D	F-SB-642-5	F-SB-642-7	F-SB-642-9	F-SB-642A-3	F-SB-642A-5	F-SB-642A-7
SAMPLE DATE	20091019	20091019	20091019	20091019	20091019	20091104	20091104	20091104
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	5	7	9	3	5	7
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	28	1.5 U	577	1.5 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	27	1.5 U	577	1.5 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	19	1.1 U	350	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	21	1.5 U	410	1.5 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	26	1.4 U	500	1.4 U	1.5 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	1.9 U	12	2 U	220	2 U	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1 U	20	1.1 U	350	1 U	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.5 U	54	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.7 U	12	1.8 U	250	1.7 U	1.8 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642	SB-642	SB-642	SB-642	SB-642	SB-642A	SB-642A	SB-642A
SAMPLE ID	F-SB-642-3-AVG	F-SB-642-3-D	F-SB-642-5	F-SB-642-7	F-SB-642-9	F-SB-642A-3	F-SB-642A-5	F-SB-642A-7
SAMPLE DATE	20091019	20091019	20091019	20091019	20091019	20091104	20091104	20091104
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	5	7	9	3	5	7
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	110	0 U	2134	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642	SB-642	SB-642	SB-642	SB-642	SB-642A	SB-642A	SB-642A
SAMPLE ID	F-SB-642-3-AVG	F-SB-642-3-D	F-SB-642-5	F-SB-642-7	F-SB-642-9	F-SB-642A-3	F-SB-642A-5	F-SB-642A-7
SAMPLE DATE	20091019	20091019	20091019	20091019	20091019	20091104	20091104	20091104
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	5	7	9	3	5	7
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642A	SB-642B	SB-642B	SB-642B	SB-642B	SB-642C	SB-642C	SB-642C
SAMPLE ID	F-SB-642A-9	F-SB-642B-3	F-SB-642B-5	F-SB-642B-7	F-SB-642B-9	F-SB-642C-3	F-SB-642C-5	F-SB-642C-7
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642A	SB-642B	SB-642B	SB-642B	SB-642B	SB-642C	SB-642C	SB-642C
SAMPLE ID	F-SB-642A-9	F-SB-642B-3	F-SB-642B-5	F-SB-642B-7	F-SB-642B-9	F-SB-642C-3	F-SB-642C-5	F-SB-642C-7
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	201	9.8	1.5 U	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	201	8.9	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	130	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	140	7.8	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	180	11	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	1.9 U	89	2 U	2 U	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1 U	130	1.1 U	1.1 U	1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	21	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.7 U	82	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642A	SB-642B	SB-642B	SB-642B	SB-642B	SB-642C	SB-642C	SB-642C
SAMPLE ID	F-SB-642A-9	F-SB-642B-3	F-SB-642B-5	F-SB-642B-7	F-SB-642B-9	F-SB-642C-3	F-SB-642C-5	F-SB-642C-7
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	772	18.8	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642A	SB-642B	SB-642B	SB-642B	SB-642B	SB-642C	SB-642C	SB-642C
SAMPLE ID	F-SB-642A-9	F-SB-642B-3	F-SB-642B-5	F-SB-642B-7	F-SB-642B-9	F-SB-642C-3	F-SB-642C-5	F-SB-642C-7
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642C	SB-642C	SB-642C	SB-643	SB-643	SB-643	SB-643	SB-643B
SAMPLE ID	F-SB-642C-7-AVG	F-SB-642C-7-D	F-SB-642C-9	F-SB-643-3	F-SB-643-5	F-SB-643-7	F-SB-643-9	F-SB-643B-3
SAMPLE DATE	20091104	20091104	20091104	20091016	20091016	20091016	20091016	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3
BOTTOM DEPTH	7	7	9	3	5	7	9	3
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642C	SB-642C	SB-642C	SB-643	SB-643	SB-643	SB-643	SB-643B
SAMPLE ID	F-SB-642C-7-AVG	F-SB-642C-7-D	F-SB-642C-9	F-SB-643-3	F-SB-643-5	F-SB-643-7	F-SB-643-9	F-SB-643B-3
SAMPLE DATE	20091104	20091104	20091104	20091016	20091016	20091016	20091016	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3
BOTTOM DEPTH	7	7	9	3	5	7	9	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.55 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.55 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.55 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2.1 U	1.9 U	2 U	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.55 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642C	SB-642C	SB-642C	SB-643	SB-643	SB-643	SB-643	SB-643B
SAMPLE ID	F-SB-642C-7-AVG	F-SB-642C-7-D	F-SB-642C-9	F-SB-643-3	F-SB-643-5	F-SB-643-7	F-SB-643-9	F-SB-643B-3
SAMPLE DATE	20091104	20091104	20091104	20091016	20091016	20091016	20091016	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3
BOTTOM DEPTH	7	7	9	3	5	7	9	3
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-642C	SB-642C	SB-642C	SB-643	SB-643	SB-643	SB-643	SB-643B
SAMPLE ID	F-SB-642C-7-AVG	F-SB-642C-7-D	F-SB-642C-9	F-SB-643-3	F-SB-643-5	F-SB-643-7	F-SB-643-9	F-SB-643B-3
SAMPLE DATE	20091104	20091104	20091104	20091016	20091016	20091016	20091016	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	9	3	5	7	9	3
BOTTOM DEPTH	7	7	9	3	5	7	9	3
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-643B	SB-643B	SB-643B	SB-643B	SB-643B	SB-643C	SB-643C	SB-643C
SAMPLE ID	F-SB-643B-5	F-SB-643B-7	F-SB-643B-7-AVG	F-SB-643B-7-D	F-SB-643B-9	F-SB-643C-3	F-SB-643C-5	F-SB-643C-7
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	5	7
BOTTOM DEPTH	5	7	7	7	9	3	5	7
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-643B	SB-643B	SB-643B	SB-643B	SB-643B	SB-643C	SB-643C	SB-643C
SAMPLE ID	F-SB-643B-5	F-SB-643B-7	F-SB-643B-7-AVG	F-SB-643B-7-D	F-SB-643B-9	F-SB-643C-3	F-SB-643C-5	F-SB-643C-7
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	5	7
BOTTOM DEPTH	5	7	7	7	9	3	5	7
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1.55 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	1.5 U	1.6 U	1.55 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	1.1 U	1.2 U	1.15 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.6 U	1.55 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	1.4 U	1.5 U	1.45 U	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2.1 U	2.05 U	2 U	2 U	2 U	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.55 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.9 U	1.85 U	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-643B	SB-643B	SB-643B	SB-643B	SB-643B	SB-643C	SB-643C	SB-643C
SAMPLE ID	F-SB-643B-5	F-SB-643B-7	F-SB-643B-7-AVG	F-SB-643B-7-D	F-SB-643B-9	F-SB-643C-3	F-SB-643C-5	F-SB-643C-7
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	5	7
BOTTOM DEPTH	5	7	7	7	9	3	5	7
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-643B	SB-643B	SB-643B	SB-643B	SB-643B	SB-643C	SB-643C	SB-643C
SAMPLE ID	F-SB-643B-5	F-SB-643B-7	F-SB-643B-7-AVG	F-SB-643B-7-D	F-SB-643B-9	F-SB-643C-3	F-SB-643C-5	F-SB-643C-7
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	5	7
BOTTOM DEPTH	5	7	7	7	9	3	5	7
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-643C	SB-644	SB-644	SB-644	SB-644	SB-644	SB-644	SB-645
SAMPLE ID	F-SB-643C-9	F-SB-644-3	F-SB-644-3-AVG	F-SB-644-3-D	F-SB-644-5	F-SB-644-7	F-SB-644-9	F-SB-645-3
SAMPLE DATE	20091105	20091016	20091016	20091016	20091016	20091016	20091016	20091006
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3
BOTTOM DEPTH	9	3	3	3	5	7	9	3
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-643C	SB-644	SB-644	SB-644	SB-644	SB-644	SB-644	SB-645
SAMPLE ID	F-SB-643C-9	F-SB-644-3	F-SB-644-3-AVG	F-SB-644-3-D	F-SB-644-5	F-SB-644-7	F-SB-644-9	F-SB-645-3
SAMPLE DATE	20091105	20091016	20091016	20091016	20091016	20091016	20091016	20091006
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3
BOTTOM DEPTH	9	3	3	3	5	7	9	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	89	1.6 U	1.55 U	1.5 U	1.6 U	1.5 U	1.7 U	7.0
BAP EQUIVALENT-POS	89	1.6 U	1.55 U	1.5 U	1.6 U	1.5 U	1.7 U	6.1
BENZO(A)ANTHRACENE	48	1.2 U	1.15 U	1.1 U	1.1 U	1.1 U	1.2 U	4.9 J
BENZO(A)PYRENE	51	1.6 U	1.55 U	1.5 U	1.6 U	1.5 U	1.7 U	4.4 J
BENZO(B)FLUORANTHENE	75	1.5 U	1.45 U	1.4 U	1.4 U	1.4 U	1.6 U	8.7
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	26	2.1 U	2.05 U	2 U	2 U	2 U	2.2 U	1.7 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	46	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	4.3 J
DIBENZO(A,H)ANTHRACENE	23	1.6 U	1.55 U	1.5 U	1.6 U	1.5 U	1.7 U	1.8 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	28	1.9 U	1.85 U	1.8 U	1.8 U	1.8 U	1.9 U	2.9 J
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-643C	SB-644	SB-644	SB-644	SB-644	SB-644	SB-644	SB-645
SAMPLE ID	F-SB-643C-9	F-SB-644-3	F-SB-644-3-AVG	F-SB-644-3-D	F-SB-644-5	F-SB-644-7	F-SB-644-9	F-SB-645-3
SAMPLE DATE	20091105	20091016	20091016	20091016	20091016	20091016	20091016	20091006
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3
BOTTOM DEPTH	9	3	3	3	5	7	9	3
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	297	0 U	0 U	0 U	0 U	0 U	0 U	25.2
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-643C	SB-644	SB-644	SB-644	SB-644	SB-644	SB-644	SB-645
SAMPLE ID	F-SB-643C-9	F-SB-644-3	F-SB-644-3-AVG	F-SB-644-3-D	F-SB-644-5	F-SB-644-7	F-SB-644-9	F-SB-645-3
SAMPLE DATE	20091105	20091016	20091016	20091016	20091016	20091016	20091016	20091006
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3
BOTTOM DEPTH	9	3	3	3	5	7	9	3
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-645	SB-645	SB-645A	SB-645B	SB-645B	SB-645B	SB-645C	SB-646
SAMPLE ID	F-SB-645-5	F-SB-645-7	F-SB-645A-3	F-SB-645B-3	F-SB-645B-3-AVG	F-SB-645B-3-D	F-SB-645C-3	F-SB-646-3
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091105	20091105	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	3	3	3
BOTTOM DEPTH	5	7	3	3	3	3	3	3
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-645	SB-645	SB-645A	SB-645B	SB-645B	SB-645B	SB-645C	SB-646
SAMPLE ID	F-SB-645-5	F-SB-645-7	F-SB-645A-3	F-SB-645B-3	F-SB-645B-3-AVG	F-SB-645B-3-D	F-SB-645C-3	F-SB-646-3
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091105	20091105	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	3	3	3
BOTTOM DEPTH	5	7	3	3	3	3	3	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.3	2.3	1.5 U	1.5 U	1.55 U	1.6 U	1.7 U	2.4 U
BAP EQUIVALENT-POS	0.27	0.19	1.5 U	1.5 U	1.55 U	1.6 U	1.7 U	2.4 U
BENZO(A)ANTHRACENE	1.2 U	1.3 U	1.1 U	1.1 U	1.15 U	1.2 U	1.2 U	1.4 U
BENZO(A)PYRENE	2.2 U	2.2 U	1.5 U	1.5 U	1.55 U	1.6 U	1.7 U	2.4 U
BENZO(B)FLUORANTHENE	1.7 J	1.9 J	1.4 U	1.4 U	1.45 U	1.5 U	1.5 U	1.8 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.6 U	1.7 U	2 U	2 U	2.05 U	2.1 U	2.2 U	1.8 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	1.4 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.5 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.8 U	1.5 U	1.5 U	1.55 U	1.6 U	1.7 U	1.9 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0.96 J	0.44 U	1.8 U	1.8 U	1.85 U	1.9 U	1.9 U	0.48 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-645	SB-645	SB-645A	SB-645B	SB-645B	SB-645B	SB-645C	SB-646
SAMPLE ID	F-SB-645-5	F-SB-645-7	F-SB-645A-3	F-SB-645B-3	F-SB-645B-3-AVG	F-SB-645B-3-D	F-SB-645C-3	F-SB-646-3
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091105	20091105	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	3	3	3
BOTTOM DEPTH	5	7	3	3	3	3	3	3
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	2.66	1.9	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-645	SB-645	SB-645A	SB-645B	SB-645B	SB-645B	SB-645C	SB-646
SAMPLE ID	F-SB-645-5	F-SB-645-7	F-SB-645A-3	F-SB-645B-3	F-SB-645B-3-AVG	F-SB-645B-3-D	F-SB-645C-3	F-SB-646-3
SAMPLE DATE	20091006	20091006	20091105	20091105	20091105	20091105	20091105	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	3	3	3
BOTTOM DEPTH	5	7	3	3	3	3	3	3
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-646	SB-646	SB-646	SB-646	SB-647	SB-647	SB-647	SB-647A
SAMPLE ID	F-SB-646-3-AVG	F-SB-646-3-D	F-SB-646-5	F-SB-646-7	F-SB-647-3	F-SB-647-5	F-SB-647-7	F-SB-647A-3
SAMPLE DATE	20091006	20091006	20091006	20091006	20091006	20091006	20091006	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	3	5	7	3
BOTTOM DEPTH	3	3	5	7	3	5	7	3
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-646	SB-646	SB-646	SB-646	SB-647	SB-647	SB-647	SB-647A
SAMPLE ID	F-SB-646-3-AVG	F-SB-646-3-D	F-SB-646-5	F-SB-646-7	F-SB-647-3	F-SB-647-5	F-SB-647-7	F-SB-647A-3
SAMPLE DATE	20091006	20091006	20091006	20091006	20091006	20091006	20091006	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	3	5	7	3
BOTTOM DEPTH	3	3	5	7	3	5	7	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U	2.4 U	2.1 U	1.6 U
BAP EQUIVALENT-POS	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U	2.4 U	2.1 U	1.6 U
BENZO(A)ANTHRACENE	1.3 U	1.2 U	1.3 U	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U
BENZO(A)PYRENE	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U	2.4 U	2.1 U	1.6 U
BENZO(B)FLUORANTHENE	1.7 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.5 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.7 U	1.6 U	1.6 U	1.6 U	1.7 U	1.8 U	1.6 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.45 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.3 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.8 U	1.7 U	1.7 U	1.7 U	1.8 U	1.9 U	1.7 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0.455 U	0.43 U	0.43 U	0.43 U	0.45 U	0.46 U	0.42 U	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-646	SB-646	SB-646	SB-646	SB-647	SB-647	SB-647	SB-647A
SAMPLE ID	F-SB-646-3-AVG	F-SB-646-3-D	F-SB-646-5	F-SB-646-7	F-SB-647-3	F-SB-647-5	F-SB-647-7	F-SB-647A-3
SAMPLE DATE	20091006	20091006	20091006	20091006	20091006	20091006	20091006	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	3	5	7	3
BOTTOM DEPTH	3	3	5	7	3	5	7	3
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-646	SB-646	SB-646	SB-646	SB-647	SB-647	SB-647	SB-647A
SAMPLE ID	F-SB-646-3-AVG	F-SB-646-3-D	F-SB-646-5	F-SB-646-7	F-SB-647-3	F-SB-647-5	F-SB-647-7	F-SB-647A-3
SAMPLE DATE	20091006	20091006	20091006	20091006	20091006	20091006	20091006	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	3	5	7	3
BOTTOM DEPTH	3	3	5	7	3	5	7	3
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-647B	SB-647C	SB-648	SB-648	SB-648	SB-649	SB-649	SB-650
SAMPLE ID	F-SB-647B-3	F-SB-647C-3	F-SB-648-3	F-SB-648-5	F-SB-648-7	F-SB-649-3	F-SB-649-5	F-SB-650-3
SAMPLE DATE	20091105	20091105	20091006	20091006	20091006	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	3	5	3
BOTTOM DEPTH	3	3	3	5	7	3	5	3
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-647B	SB-647C	SB-648	SB-648	SB-648	SB-649	SB-649	SB-650
SAMPLE ID	F-SB-647B-3	F-SB-647C-3	F-SB-648-3	F-SB-648-5	F-SB-648-7	F-SB-649-3	F-SB-649-5	F-SB-650-3
SAMPLE DATE	20091105	20091105	20091006	20091006	20091006	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	3	5	3
BOTTOM DEPTH	3	3	3	5	7	3	5	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	59	2.1 U	2.2 U	2.3 U	2.2 U	2.2 U	2.1 U
BAP EQUIVALENT-POS	1.6 U	59	2.1 U	2.2 U	2.3 U	2.2 U	2.2 U	2.1 U
BENZO(A)ANTHRACENE	1.2 U	26	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U
BENZO(A)PYRENE	1.6 U	30	2.1 U	2.2 U	2.3 U	2.2 U	2.2 U	2.1 U
BENZO(B)FLUORANTHENE	1.5 U	54	1.5 U	1.6 U	1.7 U	1.6 U	1.6 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	15	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.5 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	31	1.3 U	1.4 U	1.5 U	1.3 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	1.6 U	19	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	18	0.41 U	0.43 U	0.46 U	0.42 U	0.43 U	0.41 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-647B	SB-647C	SB-648	SB-648	SB-648	SB-649	SB-649	SB-650
SAMPLE ID	F-SB-647B-3	F-SB-647C-3	F-SB-648-3	F-SB-648-5	F-SB-648-7	F-SB-649-3	F-SB-649-5	F-SB-650-3
SAMPLE DATE	20091105	20091105	20091006	20091006	20091006	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	3	5	3
BOTTOM DEPTH	3	3	3	5	7	3	5	3
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	193	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-647B	SB-647C	SB-648	SB-648	SB-648	SB-649	SB-649	SB-650
SAMPLE ID	F-SB-647B-3	F-SB-647C-3	F-SB-648-3	F-SB-648-5	F-SB-648-7	F-SB-649-3	F-SB-649-5	F-SB-650-3
SAMPLE DATE	20091105	20091105	20091006	20091006	20091006	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	3	5	3
BOTTOM DEPTH	3	3	3	5	7	3	5	3
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-650	SB-650	SB-650	SB-651	SB-651	SB-652	SB-652	SB-652
SAMPLE ID	F-SB-650-3-AVG	F-SB-650-3-D	F-SB-650-5	F-SB-651-3	F-SB-651-5	F-SB-652-3	F-SB-652-5	F-SB-652-7
SAMPLE DATE	20091006	20091006	20091006	20091007	20091007	20091007	20091007	20091019
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	3	5	3	5	7
BOTTOM DEPTH	3	3	5	3	5	3	5	7
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-650	SB-650	SB-650	SB-651	SB-651	SB-652	SB-652	SB-652
SAMPLE ID	F-SB-650-3-AVG	F-SB-650-3-D	F-SB-650-5	F-SB-651-3	F-SB-651-5	F-SB-652-3	F-SB-652-5	F-SB-652-7
SAMPLE DATE	20091006	20091006	20091006	20091007	20091007	20091007	20091007	20091019
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	3	5	3	5	7
BOTTOM DEPTH	3	3	5	3	5	3	5	7
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.1 U	2.1 U	2.1 U	1.5 U	1.5 U	33	391	1.5 U
BAP EQUIVALENT-POS	2.1 U	2.1 U	2.1 U	1.5 U	1.5 U	33	391	1.5 U
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	23	300	1.1 U
BENZO(A)PYRENE	2.1 U	2.1 U	2.1 U	1.5 U	1.5 U	25	260	1.5 U
BENZO(B)FLUORANTHENE	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U	35	330	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.55 U	1.6 U	1.6 U	2 U	2 U	9	150	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.3 U	1.1 U	1 U	25	270	1 U
DIBENZO(A,H)ANTHRACENE	1.65 U	1.7 U	1.7 U	1.5 U	1.5 U	1.6 U	51	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0.41 U	0.41 U	0.42 U	1.8 U	1.7 U	17	150	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-650	SB-650	SB-650	SB-651	SB-651	SB-652	SB-652	SB-652
SAMPLE ID	F-SB-650-3-AVG	F-SB-650-3-D	F-SB-650-5	F-SB-651-3	F-SB-651-5	F-SB-652-3	F-SB-652-5	F-SB-652-7
SAMPLE DATE	20091006	20091006	20091006	20091007	20091007	20091007	20091007	20091019
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	3	5	3	5	7
BOTTOM DEPTH	3	3	5	3	5	3	5	7
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	134	1511	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	25 U	24 U	25 U	25 U	NA
AROCLOR-1221	NA	NA	NA	19 U	19 U	19 U	19 U	NA
AROCLOR-1232	NA	NA	NA	16 U	16 U	17 U	17 U	NA
AROCLOR-1242	NA	NA	NA	15 U	15 U	16 U	15 U	NA
AROCLOR-1248	NA	NA	NA	20 U	20 U	20 U	20 U	NA
AROCLOR-1254	NA	NA	NA	20 U	20 U	20 U	20 U	NA
AROCLOR-1260	NA	NA	NA	20 U	20 U	20 U	20 U	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	0 U	0 U	0 U	0 U	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-650	SB-650	SB-650	SB-651	SB-651	SB-652	SB-652	SB-652
SAMPLE ID	F-SB-650-3-AVG	F-SB-650-3-D	F-SB-650-5	F-SB-651-3	F-SB-651-5	F-SB-652-3	F-SB-652-5	F-SB-652-7
SAMPLE DATE	20091006	20091006	20091006	20091007	20091007	20091007	20091007	20091019
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	3	5	3	5	7
BOTTOM DEPTH	3	3	5	3	5	3	5	7
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652	SB-652A	SB-652A	SB-652A	SB-652B	SB-652B	SB-652B	SB-652C
SAMPLE ID	F-SB-652-9	F-SB-652A-3	F-SB-652A-5	F-SB-652A-7	F-SB-652B-3	F-SB-652B-5	F-SB-652B-7	F-SB-652C-3
SAMPLE DATE	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	3	5	7	3
BOTTOM DEPTH	9	3	5	7	3	5	7	3
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652	SB-652A	SB-652A	SB-652A	SB-652B	SB-652B	SB-652B	SB-652C
SAMPLE ID	F-SB-652-9	F-SB-652A-3	F-SB-652A-5	F-SB-652A-7	F-SB-652B-3	F-SB-652B-5	F-SB-652B-7	F-SB-652C-3
SAMPLE DATE	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	3	5	7	3
BOTTOM DEPTH	9	3	5	7	3	5	7	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.3 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2 U	2 U	2.1 U	1.9 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1 U	1.1 U	1.1 U	1.1 U	0.98 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	1.6 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652	SB-652A	SB-652A	SB-652A	SB-652B	SB-652B	SB-652B	SB-652C
SAMPLE ID	F-SB-652-9	F-SB-652A-3	F-SB-652A-5	F-SB-652A-7	F-SB-652B-3	F-SB-652B-5	F-SB-652B-7	F-SB-652C-3
SAMPLE DATE	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	3	5	7	3
BOTTOM DEPTH	9	3	5	7	3	5	7	3
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652	SB-652A	SB-652A	SB-652A	SB-652B	SB-652B	SB-652B	SB-652C
SAMPLE ID	F-SB-652-9	F-SB-652A-3	F-SB-652A-5	F-SB-652A-7	F-SB-652B-3	F-SB-652B-5	F-SB-652B-7	F-SB-652C-3
SAMPLE DATE	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	3	5	7	3
BOTTOM DEPTH	9	3	5	7	3	5	7	3
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652C	SB-652C	SB-797	SB-797	SB-798	SB-798	SB-798	SB-798
SAMPLE ID	F-SB-652C-5	F-SB-652C-7	F-SB-797-03	F-SB-797-05	F-SB-798-03	F-SB-798-03-AVG	F-SB-798-03-D	F-SB-798-05
SAMPLE DATE	20091105	20091105	20100820	20100820	20100820	20100820	20100820	20100820
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	3	3	3	5
BOTTOM DEPTH	5	7	3	5	3	3	3	5
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652C	SB-652C	SB-797	SB-797	SB-798	SB-798	SB-798	SB-798
SAMPLE ID	F-SB-652C-5	F-SB-652C-7	F-SB-797-03	F-SB-797-05	F-SB-798-03	F-SB-798-03-AVG	F-SB-798-03-D	F-SB-798-05
SAMPLE DATE	20091105	20091105	20100820	20100820	20100820	20100820	20100820	20100820
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	3	3	3	5
BOTTOM DEPTH	5	7	3	5	3	3	3	5
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	3.7 U	4 U	3.8 U	3.65 U	3.5 U	3.6 U
2-METHYLNAPHTHALENE	NA	NA	3.7 U	4 U	3.8 U	3.65 U	3.5 U	3.6 U
ACENAPHTHENE	NA	NA	3.7 U	15	3.8 U	3.65 U	3.5 U	3.6 U
ACENAPHTHYLENE	NA	NA	3.7 U	4 U	3.8 U	3.65 U	3.5 U	3.6 U
ANTHRACENE	NA	NA	3.7 U	47	3.8 U	3.65 U	3.5 U	3.6 U
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	3.7 U	258	21	11	3.5 U	3.6 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	3.7 U	258	19	10	3.5 U	3.6 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	3.7 U	170	12	6.875	3.5 U	3.6 U
BENZO(A)PYRENE	1.5 U	1.5 U	3.7 U	180	15	8.375	3.5 U	3.6 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	3.7 U	200	16	8.875	3.5 U	3.6 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	3.7 U	120	11	6.375	3.5 U	3.6 U
BENZO(K)FLUORANTHENE	2 U	2 U	3.7 U	120	10	5.875	3.5 U	3.6 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	81 U	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	81 U	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	81 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	81 U	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	81 U	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	81 U	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	81 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	81 U	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	81 U	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	81 U	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	81 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	81 U	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	81 U	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	81 U	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	81 U	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.2 U	170	14	7.3	1.2 U	1.2 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	3.7 U	30	3.8 U	3.65 U	3.5 U	3.6 U
FLUORANTHENE	NA	NA	11	400	19	10.375	3.5 U	3.6 U
FLUORENE	NA	NA	3.7 U	26	3.8 U	3.65 U	3.5 U	3.6 U
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	3.7 U	100	8.1	4.925	3.5 U	3.6 U
NAPHTHALENE	NA	NA	3.7 U	4 U	3.8 U	3.65 U	3.5 U	3.6 U

LOCATION	SB-652C	SB-652C	SB-797	SB-797	SB-798	SB-798	SB-798	SB-798
SAMPLE ID	F-SB-652C-5	F-SB-652C-7	F-SB-797-03	F-SB-797-05	F-SB-798-03	F-SB-798-03-AVG	F-SB-798-03-D	F-SB-798-05
SAMPLE DATE	20091105	20091105	20100820	20100820	20100820	20100820	20100820	20100820
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	3	3	3	5
BOTTOM DEPTH	5	7	3	5	3	3	3	5
PHENANTHRENE	NA	NA	3.7 U	210	9.4	5.575	3.5 U	3.6 U
PYRENE	NA	NA	9.1	310	19	10.375	3.5 U	3.6 U
TOTAL PAHS	0 U	0 U	20.1	2098	133.5	66.75	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-652C	SB-652C	SB-797	SB-797	SB-798	SB-798	SB-798	SB-798
SAMPLE ID	F-SB-652C-5	F-SB-652C-7	F-SB-797-03	F-SB-797-05	F-SB-798-03	F-SB-798-03-AVG	F-SB-798-03-D	F-SB-798-05
SAMPLE DATE	20091105	20091105	20100820	20100820	20100820	20100820	20100820	20100820
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	3	3	3	5
BOTTOM DEPTH	5	7	3	5	3	3	3	5
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-799	SB-799	SB-800	SB-800	SB-800	SB-800	SB-801	SB-801
SAMPLE ID	F-SB-799-03	F-SB-799-05	F-SB-800-03	F-SB-800-05	F-SB-800-05-AVG	F-SB-800-05-D	F-SB-801-03	F-SB-801-05
SAMPLE DATE	20100820	20100820	20100910	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	3	5	5	5	3	5
BOTTOM DEPTH	3	5	3	5	5	5	3	5
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-799	SB-799	SB-800	SB-800	SB-800	SB-800	SB-801	SB-801
SAMPLE ID	F-SB-799-03	F-SB-799-05	F-SB-800-03	F-SB-800-05	F-SB-800-05-AVG	F-SB-800-05-D	F-SB-801-03	F-SB-801-05
SAMPLE DATE	20100820	20100820	20100910	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	3	5	5	5	3	5
BOTTOM DEPTH	3	5	3	5	5	5	3	5
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
ANTHRACENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.2 U	1.2 U	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
FLUORANTHENE	3.6 U	9.8	NA	NA	NA	NA	NA	NA
FLUORENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
NAPHTHALENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA

LOCATION	SB-799	SB-799	SB-800	SB-800	SB-800	SB-800	SB-801	SB-801
SAMPLE ID	F-SB-799-03	F-SB-799-05	F-SB-800-03	F-SB-800-05	F-SB-800-05-AVG	F-SB-800-05-D	F-SB-801-03	F-SB-801-05
SAMPLE DATE	20100820	20100820	20100910	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	3	5	5	5	3	5
BOTTOM DEPTH	3	5	3	5	5	5	3	5
PHENANTHRENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
PYRENE	3.6 U	3.7 U	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	9.8	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	1.8 L	0.017 UR	0.0175 R	0.018 UR	0.68 L	0.018 UR
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-799	SB-799	SB-800	SB-800	SB-800	SB-800	SB-801	SB-801
SAMPLE ID	F-SB-799-03	F-SB-799-05	F-SB-800-03	F-SB-800-05	F-SB-800-05-AVG	F-SB-800-05-D	F-SB-801-03	F-SB-801-05
SAMPLE DATE	20100820	20100820	20100910	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	3	5	5	5	3	5
BOTTOM DEPTH	3	5	3	5	5	5	3	5
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-802	SB-802
SAMPLE ID	F-SB-802-03	F-SB-802-05
SAMPLE DATE	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL
MATRIX	SO	SO
SAMPLE TYPE	NORMAL	NORMAL
SUBMATRIX	SB	SB
TOP DEPTH	3	5
BOTTOM DEPTH	3	5
VOLATILES (UG/KG)		
1,1,1,2-TETRACHLOROETHANE	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA
1,1-DICHLOROETHANE	NA	NA
1,1-DICHLOROETHENE	NA	NA
1,1-DICHLOROPROPENE	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA
1,2-DIBROMOETHANE	NA	NA
1,2-DICHLOROBENZENE	NA	NA
1,2-DICHLOROETHANE	NA	NA
1,2-DICHLOROPROPANE	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA
1,3-DICHLOROBENZENE	NA	NA
1,3-DICHLOROPROPANE	NA	NA
1,3-DICHLOROPROPENE	NA	NA
1,4-DICHLOROBENZENE	NA	NA
1,4-DIOXANE	NA	NA
2,2-DICHLOROPROPANE	NA	NA
2-BUTANONE	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA
2-CHLOROTOLUENE	NA	NA
2-HEXANONE	NA	NA
4-CHLOROTOLUENE	NA	NA
4-ISOPROPYLTOLUENE	NA	NA
4-METHYL-2-PENTANONE	NA	NA
ACETONE	NA	NA
BENZENE	NA	NA
BROMOBENZENE	NA	NA
BROMOCHLOROMETHANE	NA	NA
BROMODICHLOROMETHANE	NA	NA
BROMOFORM	NA	NA
BROMOMETHANE	NA	NA
CARBON DISULFIDE	NA	NA
CARBON TETRACHLORIDE	NA	NA
CHLOROBENZENE	NA	NA
CHLORODIBROMOMETHANE	NA	NA
CHLOROETHANE	NA	NA
CHLOROFORM	NA	NA
CHLOROMETHANE	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA
DIBROMOMETHANE	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA
DIISOPROPYL ETHER	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA
ETHYLBENZENE	NA	NA
FLUORODICHLOROMETHANE	NA	NA
HEXACHLOROBUTADIENE	NA	NA
ISOPROPYLBENZENE	NA	NA
M+P-XYLENES	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA
METHYLENE CHLORIDE	NA	NA
NAPHTHALENE	NA	NA
N-BUTYLBENZENE	NA	NA
N-PROPYLBENZENE	NA	NA
O-XYLENE	NA	NA
SEC-BUTYLBENZENE	NA	NA
STYRENE	NA	NA
TERT-AMYL METHYL ETHER	NA	NA
TERT-BUTYLBENZENE	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA
TETRACHLOROETHENE	NA	NA
TOLUENE	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA
TOTAL XYLENES	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA
TRICHLOROETHENE	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA
VINYL ACETATE	NA	NA
VINYL CHLORIDE	NA	NA
SEMIVOLATILES (UG/KG)		
1,1-BIPHENYL	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA
1,2-DICHLOROBENZENE	NA	NA
1,3-DICHLOROBENZENE	NA	NA
1,4-DICHLOROBENZENE	NA	NA
1,4-DIOXANE	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA
2,4-DICHLOROPHENOL	NA	NA

LOCATION	SB-802	SB-802
SAMPLE ID	F-SB-802-03	F-SB-802-05
SAMPLE DATE	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL
MATRIX	SO	SO
SAMPLE TYPE	NORMAL	NORMAL
SUBMATRIX	SB	SB
TOP DEPTH	3	5
BOTTOM DEPTH	3	5
2,4-DIMETHYLPHENOL	NA	NA
2,4-DINITROPHENOL	NA	NA
2,4-DINITROTOLUENE	NA	NA
2,6-DINITROTOLUENE	NA	NA
2-CHLORONAPHTHALENE	NA	NA
2-CHLOROPHENOL	NA	NA
2-METHYLPHENOL	NA	NA
2-NITROANILINE	NA	NA
2-NITROPHENOL	NA	NA
3&4-METHYLPHENOL	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA
3-NITROANILINE	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA
4-CHLOROANILINE	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA
4-METHYLPHENOL	NA	NA
4-NITROANILINE	NA	NA
4-NITROPHENOL	NA	NA
ACETOPHENONE	NA	NA
ANILINE	NA	NA
ATRAZINE	NA	NA
AZOBENZENE	NA	NA
BENZALDEHYDE	NA	NA
BENZIDINE	NA	NA
BENZOIC ACID	NA	NA
BENZYL ALCOHOL	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA
CAPROLACTAM	NA	NA
CARBAZOLE	NA	NA
DIBENZOFURAN	NA	NA
DIETHYL PHTHALATE	NA	NA
DIMETHYL PHTHALATE	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA
HEXACHLOROBENZENE	NA	NA
HEXACHLOROBUTADIENE	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA
HEXACHLOROETHANE	NA	NA
ISOPHORONE	NA	NA
NITROBENZENE	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA
PENTACHLOROPHENOL	NA	NA
PHENOL	NA	NA
PYRIDINE	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)		
1-METHYLNAPHTHALENE	NA	NA
2-METHYLNAPHTHALENE	NA	NA
ACENAPHTHENE	NA	NA
ACENAPHTHYLENE	NA	NA
ANTHRACENE	NA	NA
BAP EQUIVALENT-HALFND	NA	NA
BAP EQUIVALENT-POS	NA	NA
BENZO(A)ANTHRACENE	NA	NA
BENZO(A)PYRENE	NA	NA
BENZO(B)FLUORANTHENE	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA
BENZO(K)FLUORANTHENE	NA	NA
C1-CHRYSENES	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA
C1-FLUORENES	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA
C2-CHRYSENES	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA
C2-FLUORENES	NA	NA
C2-NAPHTHALENES	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA
C3-CHRYSENES	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA
C3-FLUORENES	NA	NA
C3-NAPHTHALENES	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA
C4-CHRYSENES	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA
C4-NAPHTHALENES	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA
CHRYSENE	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA
FLUORANTHENE	NA	NA
FLUORENE	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA
NAPHTHALENE	NA	NA

LOCATION	SB-802	SB-802
SAMPLE ID	F-SB-802-03	F-SB-802-05
SAMPLE DATE	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL
MATRIX	SO	SO
SAMPLE TYPE	NORMAL	NORMAL
SUBMATRIX	SB	SB
TOP DEPTH	3	5
BOTTOM DEPTH	3	5
PHENANTHRENE	NA	NA
PYRENE	NA	NA
TOTAL PAHS	NA	NA
PESTICIDES/PCBS (UG/KG)		
4,4'-DDD	NA	NA
4,4'-DDE	NA	NA
4,4'-DDT	NA	NA
ALDRIN	NA	NA
ALPHA-BHC	NA	NA
ALPHA-CHLORDANE	NA	NA
AROCLOR-1016	NA	NA
AROCLOR-1221	NA	NA
AROCLOR-1232	NA	NA
AROCLOR-1242	NA	NA
AROCLOR-1248	NA	NA
AROCLOR-1254	NA	NA
AROCLOR-1260	NA	NA
BETA-BHC	NA	NA
DELTA-BHC	NA	NA
DIELDRIN	NA	NA
ENDOSULFAN I	NA	NA
ENDOSULFAN II	NA	NA
ENDOSULFAN SULFATE	NA	NA
ENDRIN	NA	NA
ENDRIN ALDEHYDE	NA	NA
ENDRIN KETONE	NA	NA
GAMMA-BHC (LINDANE)	NA	NA
GAMMA-CHLORDANE	NA	NA
HEPTACHLOR	NA	NA
HEPTACHLOR EPOXIDE	NA	NA
METHOXYCHLOR	NA	NA
TOTAL AROCLOR	NA	NA
TOXAPHENE	NA	NA
METALS (MG/KG)		
ANTIMONY	NA	NA
ARSENIC	NA	NA
BARIUM	NA	NA
BERYLLIUM	NA	NA
CADMIUM	NA	NA
CHROMIUM	NA	NA
COBALT	NA	NA
COPPER	NA	NA
IRON	NA	NA
LEAD	NA	NA
MANGANESE	NA	NA
MERCURY	0.89 L	0.022 UR
MOLYBDENUM	NA	NA
NICKEL	NA	NA
SELENIUM	NA	NA
SILVER	NA	NA
THALLIUM	NA	NA
VANADIUM	NA	NA
ZINC	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)		
DIESEL RANGE ORGANICS	NA	NA
GASOLINE RANGE ORGANICS	NA	NA
TPH (C09-C36)	NA	NA
TPH (C10-C32)	NA	NA
MISCELLANEOUS PARAMETERS (%)		
PERCENT SOLIDS	NA	NA
TOTAL SOLIDS	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)		
HEXAVALENT CHROMIUM	NA	NA
TOTAL ORGANIC CARBON	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)		
PH	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)		
MERCURY (METHYL)	NA	NA
RADIONUCLIDES (PCI/G)		
ACTINIUM-228	NA	NA
ALUMINUM-26	NA	NA
AMERICIUM-241	NA	NA
ANTIMONY-124	NA	NA
ANTIMONY-125	NA	NA
BERYLLIUM-7	NA	NA
BISMUTH-212	NA	NA
BISMUTH-214	NA	NA
CERIUM-139	NA	NA
CERIUM-144	NA	NA
CESIUM-134	NA	NA
CESIUM-137	NA	NA
CHROMIUM-51	NA	NA
COBALT-56	NA	NA
COBALT-57	NA	NA
COBALT-58	NA	NA
COBALT-60	NA	NA
EUROPIUM-152	NA	NA
EUROPIUM-154	NA	NA
EUROPIUM-155	NA	NA
IODINE-131	NA	NA

LOCATION	**SB-802**	**SB-802**
SAMPLE ID	**F-SB-802-03**	**F-SB-802-05**
SAMPLE DATE	**20100910**	**20100910**
SAMPLE CODE	**NORMAL**	**NORMAL**
MATRIX	**SO**	**SO**
SAMPLE TYPE	**NORMAL**	**NORMAL**
SUBMATRIX	**SB**	**SB**
TOP DEPTH	**3**	**5**
BOTTOM DEPTH	**3**	**5**
IRON-59	NA	NA
LEAD-212	NA	NA
LEAD-214	NA	NA
MANGANESE-54	NA	NA
NIOBIUM-94	NA	NA
NIOBIUM-95	NA	NA
POTASSIUM-40	NA	NA
PROTACTINIUM-234	NA	NA
RADIUM-226	NA	NA
RUTHENIUM-106	NA	NA
SCANDIUM-46	NA	NA
SILVER-110	NA	NA
SODIUM-22	NA	NA
THALLIUM-208	NA	NA
THORIUM-227	NA	NA
THORIUM-234	NA	NA
URANIUM-235	NA	NA
ZINC-65	NA	NA

LOCATION	MRC-MW46A	SB-022	SB-022	SB-023	SB-023	SB-024	SB-024
SAMPLE ID	MRC-MW46[0910]	SB-22-05	SB-22-10	SB-23-05	SB-23-10	SB-24-05	SB-24-10
SAMPLE DATE	20050524	20031117	20031117	20031118	20031118	20031117	20031117
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,1,1-TRICHLOROETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2,2-TETRACHLOROETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2-TRICHLOROETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,1-DICHLOROETHENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,1-DICHLOROPROPENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2,3-TRICHLOROBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2,3-TRICHLOROPROPANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2,4-TRIMETHYLBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2-DIBROMOETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2-DICHLOROBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2-DICHLOROETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,2-DICHLOROPROPANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,3,5-TRIMETHYLBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,3-DICHLOROBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,3-DICHLOROPROPANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
2-BUTANONE	NA	60 U	60 U	59 U	58 U	62 U	60 U
2-CHLOROETHYL VINYL ETHER	NA	6 U	6 U	6 U	6 U	6 U	6 U
2-CHLOROTOLUENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
2-HEXANONE	NA	60 U	60 U	59 U	58 U	62 U	60 U
4-CHLOROTOLUENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
4-ISOPROPYLTOLUENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
4-METHYL-2-PENTANONE	NA	60 U	60 U	59 U	58 U	62 U	60 U
ACETONE	NA	40 J	11 J	16 J	9 J	28 J	27 J
BENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
BROMOBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
BROMOCHLOROMETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
BROMODICHLOROMETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
BROMOFORM	NA	6 U	6 U	6 U	6 U	6 U	6 U
BROMOMETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
CARBON DISULFIDE	NA	6 U	6 U	6 U	6 U	6 U	6 U
CARBON TETRACHLORIDE	NA	6 U	6 U	6 U	6 U	6 U	6 U
CHLOROBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
CHLORODIBROMOMETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
CHLOROETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
CHLOROFORM	NA	6 U	6 U	6 U	6 U	6 U	6 U
CHLOROMETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
CIS-1,2-DICHLOROETHENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
CIS-1,3-DICHLOROPROPENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
DIBROMOMETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
DICHLORODIFLUOROMETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
ISOPROPYLBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
M+P-XYLENES	NA	18 U	18 U	18 U	17 U	19 U	18 U
METHYL TERT-BUTYL ETHER	NA	6 U	6 U	6 U	6 U	6 U	6 U
METHYLENE CHLORIDE	NA	6 U	5 J	6 J	5 J	6 U	6 U
NAPHTHALENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
N-BUTYLBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
N-PROPYLBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
O-XYLENE	NA	18 U	18 U	18 U	17 U	19 U	18 U
SEC-BUTYLBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
STYRENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
TOLUENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
TRANS-1,3-DICHLOROPROPENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
TRICHLOROETHENE	NA	6 U	6 U	6 U	6 U	6 U	6 U
TRICHLOROFLUOROMETHANE	NA	6 U	6 U	6 U	6 U	6 U	6 U
VINYL ACETATE	NA	6 U	6 U	6 U	6 U	6 U	6 U
VINYL CHLORIDE	NA	6 U	6 U	6 U	6 U	6 U	6 U
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	400 U	390 U	390 U	390 U	390 U	400 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	400 U	390 U	390 U	390 U	390 U	400 U
2,4,5-TRICHLOROPHENOL	NA	1000 U	980 U	990 U	970 U	1000 U	990 U
2,4,6-TRICHLOROPHENOL	NA	400 U	390 U	390 U	390 U	390 U	400 U
2,4-DICHLOROPHENOL	NA	400 U	390 U	390 U	390 U	390 U	400 U

LOCATION	MRC-MW46A	SB-022	SB-022	SB-023	SB-023	SB-024	SB-024
SAMPLE ID	MRC-MW46[0910]	SB-22-05	SB-22-10	SB-23-05	SB-23-10	SB-24-05	SB-24-10
SAMPLE DATE	20050524	20031117	20031117	20031118	20031118	20031117	20031117
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	5	5	10
2,4-DIMETHYLPHENOL	NA	400 U	390 U	390 U	390 U	390 U	400 U
2,4-DINITROPHENOL	NA	1000 U	980 U	990 U	970 U	1000 U	990 U
2,4-DINITROTOLUENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
2,6-DINITROTOLUENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
2-CHLORONAPHTHALENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
2-CHLOROPHENOL	NA	400 U	390 U	390 U	390 U	390 U	400 U
2-METHYLPHENOL	NA	400 U	390 U	390 U	390 U	390 U	400 U
2-NITROANILINE	NA	1000 U	980 U	990 U	970 U	1000 U	990 U
2-NITROPHENOL	NA	400 U	390 U	390 U	390 U	390 U	400 U
3&4-METHYLPHENOL	NA	400 U	390 U	390 U	390 U	390 U	400 U
3,3'-DICHLOROBENZIDINE	NA	400 U	390 U	390 U	390 U	390 U	400 U
3-NITROANILINE	NA	1000 U	980 U	980 U	970 U	1000 U	990 U
4,6-DINITRO-2-METHYLPHENOL	NA	920 U	900 U	910 U	890 U	960 U	910 U
4-BROMOPHENYL PHENYL ETHER	NA	400 U	390 U	390 U	390 U	390 U	400 U
4-CHLORO-3-METHYLPHENOL	NA	400 U	390 U	390 U	390 U	390 U	400 U
4-CHLOROANILINE	NA	400 U	390 U	390 U	390 U	390 U	400 U
4-CHLOROPHENYL PHENYL ETHER	NA	400 U	390 U	390 U	390 U	390 U	400 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	1000 U	980 U	990 U	970 U	1000 U	990 U
4-NITROPHENOL	NA	1000 U	980 U	990 U	970 U	1000 U	990 U
ACETOPHENONE	NA	400 U	390 U	390 U	390 U	390 U	400 U
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	400 U	390 U	390 U	390 U	390 U	400 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	400 U	390 U	390 U	390 U	390 U	400 U
BIS(2-CHLOROETHYL)ETHER	NA	400 U	390 U	390 U	390 U	390 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	400 U	390 U	390 U	390 U	390 U	400 U
BUTYL BENZYL PHTHALATE	NA	400 U	390 U	390 U	390 U	390 U	400 U
CAPROLACTAM	NA	400 U	390 U	390 U	390 U	390 U	400 U
CARBAZOLE	NA	400 U	390 U	390 U	390 U	390 U	400 U
DIBENZOFURAN	NA	400 U	390 U	390 U	390 U	390 U	400 U
DIETHYL PHTHALATE	NA	400 U	390 U	390 U	390 U	390 U	400 U
DIMETHYL PHTHALATE	NA	400 U	390 U	390 U	390 U	390 U	400 U
DI-N-BUTYL PHTHALATE	NA	400 U	390 U	390 U	390 U	390 U	400 U
DI-N-OCTYL PHTHALATE	NA	400 U	390 U	390 U	390 U	390 U	400 U
HEXACHLOROBENZENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
HEXACHLOROBUTADIENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
HEXACHLOROCYCLOPENTADIENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
HEXACHLOROETHANE	NA	400 U	390 U	390 U	390 U	390 U	400 U
ISOPHORONE	NA	400 U	390 U	390 U	390 U	390 U	400 U
NITROBENZENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	400 U	390 U	390 U	390 U	390 U	400 U
N-NITROSODIPHENYLAMINE	NA	400 U	390 U	390 U	390 U	390 U	400 U
PENTACHLOROPHENOL	NA	1000 U	980 U	990 U	970 U	1000 U	990 U
PHENOL	NA	400 U	390 U	390 U	390 U	420 U	400 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
ACENAPHTHENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
ACENAPHTHYLENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
ANTHRACENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
BAP EQUIVALENT-HALFND	NA	400 U	390 U	390 U	390 U	390 U	400 U
BAP EQUIVALENT-POS	NA	400 U	390 U	390 U	390 U	390 U	400 U
BENZO(A)ANTHRACENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
BENZO(A)PYRENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
BENZO(B)FLUORANTHENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
BENZO(K)FLUORANTHENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

LOCATION	MRC-MW46A	SB-022	SB-022	SB-023	SB-023	SB-024	SB-024
SAMPLE ID	MRC-MW46[0910]	SB-22-05	SB-22-10	SB-23-05	SB-23-10	SB-24-05	SB-24-10
SAMPLE DATE	20050524	20031117	20031117	20031118	20031118	20031117	20031117
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
DIBENZO(A,H)ANTHRACENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
FLUORANTHENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
FLUORENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
INDENO(1,2,3-CD)PYRENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
NAPHTHALENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
PHENANTHRENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
PYRENE	NA	400 U	390 U	390 U	390 U	390 U	400 U
TOTAL PAHS	NA	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	60 U	59 U	59 U	58 U	62 U	59 U
AROCLOR-1221	NA	60 U	59 U	59 U	58 U	62 U	59 U
AROCLOR-1232	NA	60 U	59 U	59 U	58 U	62 U	59 U
AROCLOR-1242	NA	60 U	59 U	59 U	58 U	62 U	59 U
AROCLOR-1248	NA	60 U	59 U	59 U	58 U	62 U	59 U
AROCLOR-1254	NA	60 U	59 U	59 U	58 U	62 U	59 U
AROCLOR-1260	NA	60 U	59 U	59 U	58 U	62 U	59 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	3 UL	2.9 UL	3 UL	2.9 UL	3.1 UL	3 UL
ARSENIC	NA	2.9 L	2.7 L	1.5 L	1 L	3.5 L	2.3 L
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	3 U	2.9 U	3 U	2.9 U	3.1 U	3 U
CADMIUM	NA	3 U	2.9 U	3 U	2.9 U	3.1 U	3 U
CHROMIUM	NA	13 L	16 L	5.3 L	2.9 UR	13 L	12 L
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	10	13	3 U	2.9 U	28	7.8
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	10 L	6 L	3 UL	2.9 UL	46 L	12 L
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.12 U	0.12 U	0.12 U	0.12 U	0.94	0.17
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	8.9 L	14 L	3.6 L	2.9 UL	12 L	6.7 L
SELENIUM	NA	3 UR	2.9 UR	3 UR	2.9 UR	3.1 UR	3 UR
SILVER	NA	3 U	2.9 U	3 U	2.9 U	3.1 U	3 U
THALLIUM	NA	2.4 UL	2.3 UL	2.4 UL	2.3 UL	2.5 UL	2.4 UL
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	60 UJ	59 UJ	59 UJ	58 UJ	100 J	59 UJ
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	24000 U	23000 U	24000 U	23000 U	25000 U	24000 U
GASOLINE RANGE ORGANICS	NA	120 U	120 U	120 U	120 U	120 U	120 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	70	85	84	86	80	84
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	238 U	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA

LOCATION	MRC-MW46A	SB-022	SB-022	SB-023	SB-023	SB-024	SB-024
SAMPLE ID	MRC-MW46[0910]	SB-22-05	SB-22-10	SB-23-05	SB-23-10	SB-24-05	SB-24-10
SAMPLE DATE	20050524	20031117	20031117	20031118	20031118	20031117	20031117
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-025	SB-025	SB-026	SB-027	SB-028	SB-029	SB-030	SB-093	SB-093	SB-093	SB-093
SAMPLE ID	SB-25-05	SB-25-10	SB-26-10	SB-27-10	SB-28-10	SB-29-10	SB-30-05	F-SB-93RE-10	F-SB-93RE-3	F-SB-93RE-4	F-SB-93RE-5
SAMPLE DATE	20031117	20031117	20031117	20031117	20031117	20031117	20031118	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	10	10	10	10	5	10	3	4	5
BOTTOM DEPTH	5	10	10	10	10	10	5	10	3	4	5
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
2-BUTANONE	59 U	59 U	6 J	67 U	65 U	9 J	58 U	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
2-CHLOROTOLUENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
2-HEXANONE	59 U	59 U	65 U	67 U	65 U	66 U	58 U	NA	NA	NA	NA
4-CHLOROTOLUENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
4-METHYL-2-PENTANONE	59 U	59 U	65 U	67 U	65 U	66 U	58 U	NA	NA	NA	NA
ACETONE	59 U	59 U	48 J	29 J	14 J	45 J	58 U	NA	NA	NA	NA
BENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
BROMOBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
BROMOFORM	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
BROMOMETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CARBON DISULFIDE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CHLOROBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CHLOROETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CHLOROFORM	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CHLOROMETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
DIBROMOMETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
M+P-XYLENES	18 U	18 U	20 U	20 U	19 U	20 U	17 U	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
METHYLENE CHLORIDE	5 J	6 J	7 U	7 J	6 J	7 U	6 J	NA	NA	NA	NA
NAPHTHALENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
N-BUTYLBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
N-PROPYLBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
O-XYLENE	18 U	18 U	20 U	20 U	19 U	20 U	17 U	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
STYRENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
TOLUENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
TRICHLOROETHENE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
VINYL ACETATE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
VINYL CHLORIDE	6 U	6 U	7 U	7 U	6 U	7 U	6 U	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	980 U	990 U	NA	NA	NA	NA	960 U	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
2,4-DICHLOROPHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA

LOCATION	SB-025	SB-025	SB-026	SB-027	SB-028	SB-029	SB-030	SB-093	SB-093	SB-093	SB-093
SAMPLE ID	SB-25-05	SB-25-10	SB-26-10	SB-27-10	SB-28-10	SB-29-10	SB-30-05	F-SB-93RE-10	F-SB-93RE-3	F-SB-93RE-4	F-SB-93RE-5
SAMPLE DATE	20031117	20031117	20031117	20031117	20031117	20031117	20031118	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	10	10	10	10	5	10	3	4	5
BOTTOM DEPTH	5	10	10	10	10	10	5	10	3	4	5
2,4-DIMETHYLPHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
2,4-DINITROPHENOL	980 U	990 U	NA	NA	NA	NA	960 U	NA	NA	NA	NA
2,4-DINITROTOLUENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
2,6-DINITROTOLUENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
2-CHLORONAPHTHALENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
2-CHLOROPHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
2-METHYLPHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
2-NITROANILINE	980 U	990 U	NA	NA	NA	NA	960 U	NA	NA	NA	NA
2-NITROPHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
3&4-METHYLPHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
3-NITROANILINE	980 U	990 U	NA	NA	NA	NA	960 U	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	900 U	910 U	NA	NA	NA	NA	880 U	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
4-CHLOROANILINE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	980 U	990 U	NA	NA	NA	NA	960 U	NA	NA	NA	NA
4-NITROPHENOL	980 U	990 U	NA	NA	NA	NA	960 U	NA	NA	NA	NA
ACETOPHENONE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
CAPROLACTAM	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
CARBAZOLE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
DIBENZOFURAN	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
DIETHYL PHTHALATE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
HEXACHLOROBENZENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
HEXACHLOROETHANE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
ISOPHORONE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
NITROBENZENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
PENTACHLOROPHENOL	980 U	990 U	NA	NA	NA	NA	960 U	NA	NA	NA	NA
PHENOL	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
ACENAPHTHENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
ACENAPHTHYLENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
ANTHRACENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	390 U	400 U	NA	NA	NA	NA	380 U	1.5 U	1.5 U	1.5 U	36
BAP EQUIVALENT-POS	390 U	400 U	NA	NA	NA	NA	380 U	1.5 U	1.5 U	1.5 U	35
BENZO(A)ANTHRACENE	390 U	400 U	NA	NA	NA	NA	380 U	1.1 U	1.1 U	1.1 U	28
BENZO(A)PYRENE	390 U	400 U	NA	NA	NA	NA	380 U	1.5 U	1.5 U	1.5 U	26
BENZO(B)FLUORANTHENE	390 U	400 U	NA	NA	NA	NA	380 U	1.4 U	1.3 U	1.4 U	40
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	390 U	400 U	NA	NA	NA	NA	380 U	2 U	1.9 U	2 U	13
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-025	SB-025	SB-026	SB-027	SB-028	SB-029	SB-030	SB-093	SB-093	SB-093	SB-093
SAMPLE ID	SB-25-05	SB-25-10	SB-26-10	SB-27-10	SB-28-10	SB-29-10	SB-30-05	F-SB-93RE-10	F-SB-93RE-3	F-SB-93RE-4	F-SB-93RE-5
SAMPLE DATE	20031117	20031117	20031117	20031117	20031117	20031117	20031118	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	10	10	10	10	5	10	3	4	5
BOTTOM DEPTH	5	10	10	10	10	10	5	10	3	4	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	390 U	400 U	NA	NA	NA	NA	380 U	1 U	1 U	1.1 U	29
DIBENZO(A,H)ANTHRACENE	390 U	400 U	NA	NA	NA	NA	380 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
FLUORENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	390 U	400 U	NA	NA	NA	NA	380 U	1.7 U	1.7 U	1.8 U	23
NAPHTHALENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
PHENANTHRENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
PYRENE	390 U	400 U	NA	NA	NA	NA	380 U	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	NA	NA	NA	NA	0 U	0 U	0 U	0 U	159
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	59 U	59 U	NA	NA	NA	NA	58 U	24 U	24 U	25 U	24 U
AROCLOR-1221	59 U	59 U	NA	NA	NA	NA	58 U	19 U	18 U	19 U	18 U
AROCLOR-1232	59 U	59 U	NA	NA	NA	NA	58 U	16 U	16 U	16 U	16 U
AROCLOR-1242	59 U	59 U	NA	NA	NA	NA	58 U	15 U	15 U	15 U	15 U
AROCLOR-1248	59 U	59 U	NA	NA	NA	NA	58 U	20 U	19 U	20 U	19 U
AROCLOR-1254	59 U	59 U	NA	NA	NA	NA	58 U	20 U	19 U	20 U	19 U
AROCLOR-1260	59 U	59 U	NA	NA	NA	NA	58 U	20 U	19 U	20 U	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	NA	NA	NA	NA	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	2.9 UL	3 UL	NA	NA	NA	NA	2.9 UL	NA	NA	NA	NA
ARSENIC	0.92 L	1.7 L	NA	NA	NA	NA	0.99 L	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	2.9 U	4.6	NA	NA	NA	NA	3.2	NA	NA	NA	NA
CADMIUM	2.9 U	3 U	NA	NA	NA	NA	2.9 U	NA	NA	NA	NA
CHROMIUM	11 L	16 L	NA	NA	NA	NA	19 L	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	8	19	NA	NA	NA	NA	21	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	6.6 L	14 L	NA	NA	NA	NA	7.4 L	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.12 U	0.12 U	NA	NA	NA	NA	0.12 U	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	24 L	46 L	NA	NA	NA	NA	33 L	NA	NA	NA	NA
SELENIUM	2.9 UR	3 UR	NA	NA	NA	NA	4.4 L	NA	NA	NA	NA
SILVER	2.9 U	3 U	NA	NA	NA	NA	2.9 U	NA	NA	NA	NA
THALLIUM	2.4 UL	2.4 UL	NA	NA	NA	NA	2.3 UL	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	59 UJ	110 J	NA	NA	NA	NA	58 UJ	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	24000 U	24000 U	NA	NA	NA	NA	23000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	120 U	120 U	130 U	130 U	130 U	130 U	120 U	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	85	84	77	75	77	76	87	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-025	SB-025	SB-026	SB-027	SB-028	SB-029	SB-030	SB-093	SB-093	SB-093	SB-093
SAMPLE ID	SB-25-05	SB-25-10	SB-26-10	SB-27-10	SB-28-10	SB-29-10	SB-30-05	F-SB-93RE-10	F-SB-93RE-3	F-SB-93RE-4	F-SB-93RE-5
SAMPLE DATE	20031117	20031117	20031117	20031117	20031117	20031117	20031118	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	10	10	10	10	5	10	3	4	5
BOTTOM DEPTH	5	10	10	10	10	10	5	10	3	4	5
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-093	SB-093	SB-093	SB-093	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094
SAMPLE ID	F-SB-93RE-6	F-SB-93RE-7	F-SB-93RE-8	F-SB-93RE-9	F-SB-94RE-10	F-SB-94RE-3	F-SB-94RE-4	F-SB-94RE-5	F-SB-94RE-6	F-SB-94RE-7	F-SB-94RE-8
SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	9	10	3	4	5	6	7	8
BOTTOM DEPTH	6	7	8	9	10	3	4	5	6	7	8
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	9	10	3	4	5	6	7	8
BOTTOM DEPTH	6	7	8	9	10	3	4	5	6	7	8
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	25	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	25	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	12	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	11	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	15	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	9.2	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	9	10	3	4	5	6	7	8
BOTTOM DEPTH	6	7	8	9	10	3	4	5	6	7	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	11	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	9.8	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U	10	1.8 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	78	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	25 U	24 U	25 U	25 U	25 U	25 U	24 U	24 U	25 U	24 U
AROCLOR-1221	19 U	19 U	18 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	18 U
AROCLOR-1232	16 U	16 U	16 U	16 U	17 U	17 U	16 U	16 U	16 U	17 U	16 U
AROCLOR-1242	15 U	15 U	15 U	15 U	16 U	16 U	15 U	15 U	15 U	15 U	15 U
AROCLOR-1248	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1254	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
AROCLOR-1260	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	8	9	10	3	4	5	6	7	8
BOTTOM DEPTH	6	7	8	9	10	3	4	5	6	7	8
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-094	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-096	SB-096
SAMPLE ID	F-SB-94RE-9	F-SB-95RE-10	F-SB-95RE-3	F-SB-95RE-4	F-SB-95RE-5	F-SB-95RE-6	F-SB-95RE-7	F-SB-95RE-8	F-SB-95RE-9	F-SB-96RE-10	F-SB-96RE-3
SAMPLE DATE	20090921	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	10	3	4	5	6	7	8	9	10	3
BOTTOM DEPTH	9	10	3	4	5	6	7	8	9	10	3
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-094	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-096	SB-096
SAMPLE ID	F-SB-94RE-9	F-SB-95RE-10	F-SB-95RE-3	F-SB-95RE-4	F-SB-95RE-5	F-SB-95RE-6	F-SB-95RE-7	F-SB-95RE-8	F-SB-95RE-9	F-SB-96RE-10	F-SB-96RE-3
SAMPLE DATE	20090921	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	10	3	4	5	6	7	8	9	10	3
BOTTOM DEPTH	9	10	3	4	5	6	7	8	9	10	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	29	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	71	1.5 U	1.6 U
BAP EQUIVALENT-POS	1.5 U	28	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	71	1.5 U	1.6 U
BENZO(A)ANTHRACENE	1.1 U	20	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	52	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	21	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	54	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	1.4 U	28	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	67	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	11	2 U	2 U	2 U	2 U	2.1 U	2 U	32	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-094	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-096	SB-096
SAMPLE ID	F-SB-94RE-9	F-SB-95RE-10	F-SB-95RE-3	F-SB-95RE-4	F-SB-95RE-5	F-SB-95RE-6	F-SB-95RE-7	F-SB-95RE-8	F-SB-95RE-9	F-SB-96RE-10	F-SB-96RE-3
SAMPLE DATE	20090921	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	10	3	4	5	6	7	8	9	10	3
BOTTOM DEPTH	9	10	3	4	5	6	7	8	9	10	3
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	20	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	48	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	23	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	43	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	123	0 U	0 U	0 U	0 U	0 U	0 U	296	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	24 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	16 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	15 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-094	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-096	SB-096
SAMPLE ID	F-SB-94RE-9	F-SB-95RE-10	F-SB-95RE-3	F-SB-95RE-4	F-SB-95RE-5	F-SB-95RE-6	F-SB-95RE-7	F-SB-95RE-8	F-SB-95RE-9	F-SB-96RE-10	F-SB-96RE-3
SAMPLE DATE	20090921	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	10	3	4	5	6	7	8	9	10	3
BOTTOM DEPTH	9	10	3	4	5	6	7	8	9	10	3
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-096	SB-096	SB-096	SB-096	SB-096	SB-096	SB-236	SB-237	SB-238	SB-295	SB-295
SAMPLE ID	F-SB-96RE-4	F-SB-96RE-5	F-SB-96RE-6	F-SB-96RE-7	F-SB-96RE-8	F-SB-96RE-9	SB-236-05	SB-237-05	SB-238-05	SB-295-0405	SB-295-0910
SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20050509	20050509	20050517	20051101	20051101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	5	5	5	4	9
BOTTOM DEPTH	4	5	6	7	8	9	5	5	5	5	10
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	518 U	6 UJ	6 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	518 U	6 UJ	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	6 UJ	6 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	518 U	6 UJ	6 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	658	6 UJ	6 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	1300 U	6 UJ	6 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	139 J	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	518 U	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	51800 UR	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	2590 U	31 UR	30 UR
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	518 UR	6 UJ	6 U
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	6 UJ	6 U
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	2590 U	31 UJ	30 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	165 J	6 UJ	6 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	1040 U	31 UJ	30 U
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	2590 UR	21 J	14 J
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	12 UJ	12 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	12 UJ	12 U
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	12 UJ	12 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	12 UJ	12 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	394	6 UJ	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	777 U	6 UJ	6 U
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	83.1 J	6 UJ	6 U
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	270 J	12 UJ	12 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	259 U	12 UJ	12 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	147 J	11 B	8 B
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	159000	6 UJ	6 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	125 J	6 UJ	6 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	186 J	6 UJ	6 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	518 U	6 UJ	6 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	3890 U	12 UR	12 UR
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	12 UJ	12 U
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	456 J	18 UJ	18 U
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	6 UJ	6 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	259 U	2 J	12 U
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	518 U	6 UJ	6 U
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	259 UJ	12 UJ	12 U
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	400 U	400 U	390 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	121 U	400 U	390 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	1000 U	980 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U

LOCATION	SB-096	SB-096	SB-096	SB-096	SB-096	SB-096	SB-236	SB-237	SB-238	SB-295	SB-295
SAMPLE ID	F-SB-96RE-4	F-SB-96RE-5	F-SB-96RE-6	F-SB-96RE-7	F-SB-96RE-8	F-SB-96RE-9	SB-236-05	SB-237-05	SB-238-05	SB-295-0405	SB-295-0910
SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20050509	20050509	20050517	20051101	20051101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	5	5	5	4	9
BOTTOM DEPTH	4	5	6	7	8	9	5	5	5	5	10
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	68 J	400 U	390 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	606 U	1000 U	980 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	85 U	400 U	390 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	85 U	400 U	390 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	1000 U	980 U
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	812 U	400 U	390 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	412 U	1000 U	980 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	1000 U	980 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	121 U	400 U	390 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	121 U	1000 U	980 U
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	1000 U	980 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	812 UR	1000 U	980 U
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	812 U	1000 U	980 U
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	121 U	400 U	390 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	121 U	400 U	390 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	85 U	400 U	390 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	5690	400 U	390 U
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	3980	400 U	390 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	85 U	400 U	390 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	121 U	400 U	390 U
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	206 U	400 U	390 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	121 U	400 U	390 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	121 U	400 U	390 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	81 J	400 U	390 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	1020 U	1000 U	980 U
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U	390 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	3420	400 U	390 U
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	6900	400 U	390 U
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	6960	400 U	390 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	69 J	400 U	390 U
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	2510	400 U	390 U
BAP EQUIVALENT-HALFND	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	18	NA	NA	2963	400 U	390 U
BAP EQUIVALENT-POS	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	17	NA	NA	2963	400 U	390 U
BENZO(A)ANTHRACENE	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	12	NA	NA	2700	400 U	390 U
BENZO(A)PYRENE	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	13	NA	NA	1960	400 U	390 U
BENZO(B)FLUORANTHENE	1.6 U	1.4 U	1.4 U	1.4 U	1.4 U	18	NA	NA	2080	400 U	390 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	1240 J	400 U	390 U
BENZO(K)FLUORANTHENE	2.2 U	2 U	2 U	2 U	2 U	9.2	NA	NA	2010	400 U	390 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-096	SB-096	SB-096	SB-096	SB-096	SB-096	SB-236	SB-237	SB-238	SB-295	SB-295
SAMPLE ID	F-SB-96RE-4	F-SB-96RE-5	F-SB-96RE-6	F-SB-96RE-7	F-SB-96RE-8	F-SB-96RE-9	SB-236-05	SB-237-05	SB-238-05	SB-295-0405	SB-295-0910
SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20050509	20050509	20050517	20051101	20051101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	5	5	5	4	9
BOTTOM DEPTH	4	5	6	7	8	9	5	5	5	5	10
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	14	NA	NA	1800	400 U	390 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	NA	NA	392 J	400 U	390 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	10000	400 U	390 U
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	6330	400 U	390 U
INDENO(1,2,3-CD)PYRENE	2 U	1.8 U	1.8 U	1.8 U	1.8 U	9.1	NA	NA	1110 J	400 U	390 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	31000	400 U	390 U
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	18600	400 U	390 U
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	7570	400 U	390 U
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	75.3	NA	NA	103231	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	39 U	21 U	20 U
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	39 U	21 U	20 U
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	39 U	21 U	20 U
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	39 U	21 U	20 U
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	39 U	21 U	20 U
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	39 U	21 U	20 U
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	39 U	21 U	20 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	2 L	0.3 UL	0.3 L	0.67 U	0.78 U
ARSENIC	NA	NA	NA	NA	NA	NA	7	2 B	3	4.6	2.9 K
BARIUM	NA	NA	NA	NA	NA	NA	103	35	24	22.8	15.1
BERYLLIUM	NA	NA	NA	NA	NA	NA	0.6	3.2	2	0.96	3.2
CADMIUM	NA	NA	NA	NA	NA	NA	0.5	0.3	0.5	0.36 U	0.41 U
CHROMIUM	NA	NA	NA	NA	NA	NA	20.6	24.6	23.9	25.1	29
COBALT	NA	NA	NA	NA	NA	NA	6.2	8	14.8	3.2 B	8.5 K
COPPER	NA	NA	NA	NA	NA	NA	38	11	14	14.6	17.5
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	81	11	14	8	8.7
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	0.97 L	0.01	0.07	0.01	0.01 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	0.6 B	0.5 U	0.7 B	0.41 K	0.44 K
NICKEL	NA	NA	NA	NA	NA	NA	17	23	27	9.7	24.3
SELENIUM	NA	NA	NA	NA	NA	NA	3	2 U	2 U	0.59 U	0.68 U
SILVER	NA	NA	NA	NA	NA	NA	2.3	0.05 U	0.05 U	0.72	0.99
THALLIUM	NA	NA	NA	NA	NA	NA	0.9 U	1 U	1 U	1 U	1.16 U
VANADIUM	NA	NA	NA	NA	NA	NA	26.9	35.1	34.1	40.4	32.5
ZINC	NA	NA	NA	NA	NA	NA	131	41	57	27.1	32.2
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	881000	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	21200	2800 U	2600 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	6100 U	6000 U
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	81	84
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	0.4 U	0.36 U	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	7.7	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	1.21 J	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-096	SB-096	SB-096	SB-096	SB-096	SB-096	SB-236	SB-237	SB-238	SB-295	SB-295
SAMPLE ID	F-SB-96RE-4	F-SB-96RE-5	F-SB-96RE-6	F-SB-96RE-7	F-SB-96RE-8	F-SB-96RE-9	SB-236-05	SB-237-05	SB-238-05	SB-295-0405	SB-295-0910
SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20050509	20050509	20050517	20051101	20051101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	5	5	5	4	9
BOTTOM DEPTH	4	5	6	7	8	9	5	5	5	5	10
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-296	SB-296	SB-297	SB-297	SB-298	SB-298	SB-299	SB-299	SB-382	SB-382	SB-382
SAMPLE ID	SB-296-0405	SB-296-0910	SB-297-0405	SB-297-0910	SB-298-0405	SB-298-0910	SB-299-0405	SB-299-0910	SB-382-0203	SB-382-0405	SB-382-0708
SAMPLE DATE	20051028	20051028	20051028	20051028	20051101	20051101	20051101	20051101	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	2	4	7
BOTTOM DEPTH	5	10	5	10	5	10	5	10	3	5	8
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,1-DICHLOROETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,1-DICHLOROETHENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,1-DICHLOROPROPENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2-DIBROMOETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2-DICHLOROBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2-DICHLOROETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,2-DICHLOROPROPANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,3-DICHLOROPROPANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
2-BUTANONE	31 UR	30 UR	28 UR	30 UR	30 UR	30 UR	29 UR	29 UR	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
2-CHLOROTOLUENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
2-HEXANONE	31 UJ	30 U	28 U	30 U	30 U	30 U	29 UJ	29 U	NA	NA	NA
4-CHLOROTOLUENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
4-ISOPROPYLTOLUENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
4-METHYL-2-PENTANONE	31 UJ	30 U	28 U	30 U	30 U	30 U	29 UJ	29 U	NA	NA	NA
ACETONE	29 J	14 J	37 L	36 L	29 B	16 B	29 UR	16 B	NA	NA	NA
BENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
BROMOBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
BROMOCHLOROMETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
BROMODICHLOROMETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
BROMOFORM	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
BROMOMETHANE	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA	NA	NA
CARBON DISULFIDE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
CARBON TETRACHLORIDE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
CHLOROBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
CHLORODIBROMOMETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
CHLOROETHANE	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA	NA	NA
CHLOROFORM	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
CHLOROMETHANE	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 UJ	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
DIBROMOMETHANE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA	NA	NA
DIISOPROPYL ETHER	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
ETHYL TERT-BUTYL ETHER	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
ETHYLBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
ISOPROPYLBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
M+P-XYLENES	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA	NA	NA
METHYL TERT-BUTYL ETHER	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA	NA	NA
METHYLENE CHLORIDE	8 B	6 B	7 B	8 B	6 U	6 U	6 UJ	7 B	NA	NA	NA
NAPHTHALENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
N-BUTYLBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
N-PROPYLBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
O-XYLENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
SEC-BUTYLBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
STYRENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
TERT-AMYL METHYL ETHER	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
TERT-BUTYLBENZENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	12 UR	12 UR	11 UR	12 UR	12 UJ	12 UJ	12 UR	12 UR	NA	NA	NA
TETRACHLOROETHENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
TOLUENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA	NA	NA
TOTAL XYLENES	19 UJ	18 U	17 U	18 U	18 U	18 U	17 UJ	18 U	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
TRICHLOROETHENE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA	NA	NA
VINYL ACETATE	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA	NA	NA
VINYL CHLORIDE	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
1,2-DICHLOROBENZENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
1,3-DICHLOROBENZENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
1,4-DICHLOROBENZENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
1,4-DIOXANE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1000 U	970 U	930 U	970 U	970 U	990 U	960 U	960 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2,4-DICHLOROPHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA

LOCATION	SB-296	SB-296	SB-297	SB-297	SB-298	SB-298	SB-299	SB-299	SB-382	SB-382	SB-382
SAMPLE ID	SB-296-0405	SB-296-0910	SB-297-0405	SB-297-0910	SB-298-0405	SB-298-0910	SB-299-0405	SB-299-0910	SB-382-0203	SB-382-0405	SB-382-0708
SAMPLE DATE	20051028	20051028	20051028	20051028	20051101	20051101	20051101	20051101	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	2	4	7
BOTTOM DEPTH	5	10	5	10	5	10	5	10	3	5	8
2,4-DIMETHYLPHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2,4-DINITROPHENOL	1000 U	970 U	930 U	970 U	970 U	990 U	960 U	960 U	NA	NA	NA
2,4-DINITROTOLUENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2,6-DINITROTOLUENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2-CHLORONAPHTHALENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2-CHLOROPHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2-METHYLPHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2-NITROANILINE	1000 U	970 U	930 U	970 U	970 U	990 U	960 U	960 U	NA	NA	NA
2-NITROPHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
3&4-METHYLPHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	410 U	390 U	380 U	390 U	390 U	400 U	380 UR	390 U	NA	NA	NA
3-NITROANILINE	1000 U	970 U	930 U	970 U	970 U	990 U	960 UR	960 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	1000 U	970 U	930 U	970 U	970 U	990 U	960 U	960 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
4-CHLOROANILINE	410 U	390 U	380 U	390 U	390 U	400 U	380 UR	390 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1000 U	970 U	930 U	970 U	970 U	990 U	960 U	960 U	NA	NA	NA
4-NITROPHENOL	1000 U	970 U	930 U	970 U	970 U	990 U	960 U	960 U	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	410 U	390 U	380 U	390 U	390 U	400 U	380 UR	390 U	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	1000 U	970 U	930 U	970 U	970 U	990 U	960 UR	960 U	NA	NA	NA
BENZOIC ACID	1000 U	970 U	930 U	970 U	970 U	990 U	960 U	960 UJ	NA	NA	NA
BENZYL ALCOHOL	410 U	390 U	380 U	390 UR	390 U	400 U	380 UR	390 U	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	410 U	190 J	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
DIBENZOFURAN	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
DIETHYL PHTHALATE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
DIMETHYL PHTHALATE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
HEXACHLOROBENZENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
HEXACHLOROBUTADIENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	410 U	390 U	380 U	390 UJ	390 U	400 U	380 U	390 UJ	NA	NA	NA
HEXACHLOROETHANE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
ISOPHORONE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
NITROBENZENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	410 U	390 U	380 U	390 U	390 U	400 U	380 UR	390 U	NA	NA	NA
PENTACHLOROPHENOL	1000 U	970 U	930 U	970 U	970 U	990 U	960 U	960 U	NA	NA	NA
PHENOL	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
PYRIDINE	410 U	390 U	380 U	390 U	390 U	400 U	380 UR	390 U	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
2-METHYLNAPHTHALENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
ACENAPHTHENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
ACENAPHTHYLENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
ANTHRACENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
BAP EQUIVALENT-HALFND	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	1.7 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	1.7 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
BENZO(A)PYRENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	1.7 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
BENZO(K)FLUORANTHENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-296	SB-296	SB-297	SB-297	SB-298	SB-298	SB-299	SB-299	SB-382	SB-382	SB-382
SAMPLE ID	SB-296-0405	SB-296-0910	SB-297-0405	SB-297-0910	SB-298-0405	SB-298-0910	SB-299-0405	SB-299-0910	SB-382-0203	SB-382-0405	SB-382-0708
SAMPLE DATE	20051028	20051028	20051028	20051028	20051101	20051101	20051101	20051101	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	2	4	7
BOTTOM DEPTH	5	10	5	10	5	10	5	10	3	5	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
FLUORANTHENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
FLUORENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
NAPHTHALENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
PHENANTHRENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
PYRENE	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	21 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	43 U	41 U	42 U
AROCLOR-1221	21 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	43 U	41 U	42 U
AROCLOR-1232	21 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	43 U	41 U	42 U
AROCLOR-1242	21 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	43 U	41 U	42 U
AROCLOR-1248	21 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	43 U	41 U	42 U
AROCLOR-1254	21 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	43 U	41 U	42 U
AROCLOR-1260	21 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	43 U	41 U	42 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	0.91 U	0.74 U	0.79 U	0.82 U	0.64 UL	0.78 UL	0.74 UL	0.84 UL	NA	NA	NA
ARSENIC	5.7	2.4 K	3.3	3 K	3.5	2 K	1.3 K	2.2 K	NA	NA	NA
BARIUM	14.5	13.7	16.3	22.3	17.7	19.6	12.5	42.2	NA	NA	NA
BERYLLIUM	3.6	3.6	3.1	3.7	4.3	3.8	1.8	2.6	NA	NA	NA
CADMIUM	0.48 U	0.39 U	0.42 U	0.44 U	0.06 U	0.08 U	0.07 U	0.08 U	NA	NA	NA
CHROMIUM	38.7	21.1	26.1	19.2	16.3 K	39.4 K	18.6 K	16 K	NA	NA	NA
COBALT	32.3	6 K	6 K	8.7 K	8	5.3	11	9.3	NA	NA	NA
COPPER	40.4	21.9	21.9	15.9	18	11.6	10.9	11.2	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	9.9	7.6	8.3	8.5	8.4	10.4	4	11.2	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 B	NA	NA	NA
MOLYBDENUM	0.55 K	0.36 U	0.43 K	0.45 K	0.32	0.35	0.18 U	0.2 U	NA	NA	NA
NICKEL	31.4	21.3	24	25.4	23.3	17.8	13.7	18.1	NA	NA	NA
SELENIUM	0.8 U	0.65 U	0.69 U	0.72 U	0.56 UL	0.69 UL	0.65 UL	0.73 UL	NA	NA	NA
SILVER	1.6	1.2	0.84 U	0.88 U	0.08 U	0.07 U	0.09 U	0.11 U	NA	NA	NA
THALLIUM	1.36 U	1.11 U	1.17 U	1.3 B	0.96 U	1.17 U	1.5 B	2 B	NA	NA	NA
VANADIUM	61.6	32.8	35.3	31.8	28.4	46.4	27.2	20.7	NA	NA	NA
ZINC	58	26.8	24.1	33.2	34.7	30.8	40.9	42.7	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	2600 U	2800 U	2800 U	2700 U	2800 U	2900 U	2700 U	2800 U	NA	NA	NA
TPH (C09-C36)	4900 J	5900 U	3500 J	3800 J	3600 B	2800 B	2900 B	2900 B	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	76.2	80.4	79.2
TOTAL SOLIDS	80	84	88	84	84	83	86	85	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-296	SB-296	SB-297	SB-297	SB-298	SB-298	SB-299	SB-299	SB-382	SB-382	SB-382
SAMPLE ID	SB-296-0405	SB-296-0910	SB-297-0405	SB-297-0910	SB-298-0405	SB-298-0910	SB-299-0405	SB-299-0910	SB-382-0203	SB-382-0405	SB-382-0708
SAMPLE DATE	20051028	20051028	20051028	20051028	20051101	20051101	20051101	20051101	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	2	4	7
BOTTOM DEPTH	5	10	5	10	5	10	5	10	3	5	8
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-383	SB-383	SB-383	SB-384	SB-384	SB-384	SB-385	SB-385	SB-385	SB-386	SB-386
SAMPLE ID	SB-383-0203	SB-383-0405	SB-383-0708	SB-384-0203	SB-384-0405	SB-384-0708	SB-385-0203	SB-385-0405	SB-385-0708	SB-386-0203	SB-386-0405
SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-383	SB-383	SB-383	SB-384	SB-384	SB-384	SB-385	SB-385	SB-385	SB-386	SB-386
SAMPLE ID	SB-383-0203	SB-383-0405	SB-383-0708	SB-384-0203	SB-384-0405	SB-384-0708	SB-385-0203	SB-385-0405	SB-385-0708	SB-386-0203	SB-386-0405
SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	51	38	10	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	51	38	10	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	51 J	38 J	10 J	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-383	SB-383	SB-383	SB-384	SB-384	SB-384	SB-385	SB-385	SB-385	SB-386	SB-386
SAMPLE ID	SB-383-0203	SB-383-0405	SB-383-0708	SB-384-0203	SB-384-0405	SB-384-0708	SB-385-0203	SB-385-0405	SB-385-0708	SB-386-0203	SB-386-0405
SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	51	38	10	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	38 U	42 U	40 U	38 U	39 U	43 U	36 U	36 U	39 U	37 U	37 U
AROCLOR-1221	38 U	42 U	40 U	38 U	39 U	43 U	36 U	36 U	39 U	37 U	37 U
AROCLOR-1232	38 U	42 U	40 U	38 U	39 U	43 U	36 U	36 U	39 U	37 U	37 U
AROCLOR-1242	38 U	42 U	40 U	38 U	39 U	43 U	36 U	36 U	39 U	37 U	37 U
AROCLOR-1248	38 U	42 U	40 U	38 U	39 U	43 U	36 U	36 U	39 U	37 U	37 U
AROCLOR-1254	38 U	42 U	40 U	38 U	39 U	43 U	36 U	36 U	39 U	37 U	37 U
AROCLOR-1260	38 U	42 U	40 U	38 U	39 U	43 U	36 U	36 U	39 U	37 U	37 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	87.2	79.2	83.1	86	84.6	76.6	91	93	84.7	89.2	89.5
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-383	SB-383	SB-383	SB-384	SB-384	SB-384	SB-385	SB-385	SB-385	SB-386	SB-386
SAMPLE ID	SB-383-0203	SB-383-0405	SB-383-0708	SB-384-0203	SB-384-0405	SB-384-0708	SB-385-0203	SB-385-0405	SB-385-0708	SB-386-0203	SB-386-0405
SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-386	SB-387	SB-387	SB-387	SB-388	SB-388	SB-388	SB-389	SB-389	SB-389
SAMPLE ID	SB-386-0708	SB-387-0203	SB-387-0405	SB-387-0708	SB-388-0203	SB-388-0405	SB-388-0708	SB-389-0203	SB-389-0405	SB-389-0708
SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8
VOLATILES (UG/KG)										
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-386	SB-387	SB-387	SB-387	SB-388	SB-388	SB-388	SB-389	SB-389	SB-389
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SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U	1.5 U	33	9.7
BAP EQUIVALENT-POS	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U	1.5 U	33	9.7
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U	1.5 U	33 J	9.7 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	33	9.7
PESTICIDES/PCBS (UG/KG)										
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	36 U	39 U	37 U	38 U	36 U	37 U	39 U	38 U	38 U
AROCLOR-1221	39 U	36 U	39 U	37 U	38 U	36 U	37 U	39 U	38 U	38 U
AROCLOR-1232	39 U	36 U	39 U	37 U	38 U	36 U	37 U	39 U	38 U	38 U
AROCLOR-1242	39 U	36 U	39 U	37 U	38 U	36 U	37 U	39 U	38 U	38 U
AROCLOR-1248	39 U	36 U	39 U	37 U	38 U	36 U	37 U	39 U	38 U	38 U
AROCLOR-1254	39 U	36 U	39 U	37 U	38 U	36 U	37 U	39 U	38 U	38 U
AROCLOR-1260	39 U	36 U	39 U	37 U	38 U	36 U	37 U	39 U	38 U	38 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	84.1	91.4	84.4	88.8	87.6	90.8	90.3	85	87.5	86.4
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)										
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)										
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)										
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-050	SB-050	SB-055	SB-055	SB-056	SB-056	SB-093
SAMPLE ID	SB-50-05	SB-50-10	SB-55-05	SB-55-10	SB-56-05	SB-56-10	SB-93-05
SAMPLE DATE	20040915	20040915	20040915	20040915	20040913	20040913	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,1,1-TRICHLOROETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,1,2-TRICHLOROETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,1-DICHLOROETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,1-DICHLOROETHENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,1-DICHLOROPROPENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2,3-TRICHLOROBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2,3-TRICHLOROPROPANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2,4-TRIMETHYLBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2-DIBROMOETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2-DICHLOROBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2-DICHLOROETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,2-DICHLOROPROPANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,3,5-TRIMETHYLBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,3-DICHLOROBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,3-DICHLOROPROPANE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	6 U	6 U	6 U	6 U	6 U
2-BUTANONE	NA	NA	61 U	62 U	57 U	58 U	60 U
2-CHLOROETHYL VINYL ETHER	NA	NA	6 U	6 U	6 U	6 U	6 U
2-CHLOROTOLUENE	NA	NA	6 U	6 U	6 U	6 U	6 U
2-HEXANONE	NA	NA	61 U	62 U	57 U	58 U	60 U
4-CHLOROTOLUENE	NA	NA	6 U	6 U	6 U	6 U	6 U
4-ISOPROPYLTOLUENE	NA	NA	6 U	6 U	6 U	6 U	6 U
4-METHYL-2-PENTANONE	NA	NA	61 U	62 U	57 U	58 U	60 U
ACETONE	NA	NA	61 UJ	62 UJ	57 UJ	58 UJ	60 U
BENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
BROMOBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
BROMOCHLOROMETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
BROMODICHLOROMETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
BROMOFORM	NA	NA	6 U	6 U	6 U	6 U	6 U
BROMOMETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
CARBON DISULFIDE	NA	NA	6 U	6 U	6 U	6 U	6 U
CARBON TETRACHLORIDE	NA	NA	6 U	6 U	6 U	6 U	6 U
CHLOROBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
CHLORODIBROMOMETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
CHLOROETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
CHLOROFORM	NA	NA	6 U	6 U	6 U	6 U	6 U
CHLOROMETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
CIS-1,2-DICHLOROETHENE	NA	NA	6 U	6 U	6 U	6 U	6 U
CIS-1,3-DICHLOROPROPENE	NA	NA	6 U	6 U	6 U	6 U	6 U
DIBROMOMETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
DICHLORODIFLUOROMETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
M+P-XYLENES	NA	NA	12 U	12 U	11 U	12 U	12 U
METHYL TERT-BUTYL ETHER	NA	NA	6 U	6 U	6 U	6 U	6 U
METHYLENE CHLORIDE	NA	NA	7 B	6 U	6 U	6 U	6 U
NAPHTHALENE	NA	NA	6 U	6 U	6 U	6 U	6 U
N-BUTYLBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
N-PROPYLBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
O-XYLENE	NA	NA	6 U	6 U	6 U	6 U	6 U
SEC-BUTYLBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
STYRENE	NA	NA	6 U	6 U	6 U	6 U	6 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	6 U	6 U	6 U	6 U	6 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	6 U	6 U	6 U	6 U	6 U
TOLUENE	NA	NA	6 U	6 U	6 U	6 U	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	6 U	6 U	6 U	6 U	6 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	6 U	6 U	6 U	6 U	6 U
TRICHLOROETHENE	NA	NA	6 U	6 U	6 U	6 U	6 U
TRICHLOROFLUOROMETHANE	NA	NA	6 U	6 U	6 U	6 U	6 U
VINYL ACETATE	NA	NA	6 U	6 U	6 U	6 U	6 U
VINYL CHLORIDE	NA	NA	6 U	6 U	6 U	6 U	6 U
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	410 U	420 U	380 U	390 U	400 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	410 U	420 U	380 U	390 U	400 U
2,4,5-TRICHLOROPHENOL	NA	NA	1000 U	1000 U	940 U	970 U	990 U
2,4,6-TRICHLOROPHENOL	NA	NA	410 U	420 U	380 U	390 U	400 U
2,4-DICHLOROPHENOL	NA	NA	410 U	420 U	380 U	390 U	400 U

LOCATION	SB-050	SB-050	SB-055	SB-055	SB-056	SB-056	SB-093
SAMPLE ID	SB-50-05	SB-50-10	SB-55-05	SB-55-10	SB-56-05	SB-56-10	SB-93-05
SAMPLE DATE	20040915	20040915	20040915	20040915	20040913	20040913	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5
2,4-DIMETHYLPHENOL	NA	NA	410 U	420 U	380 U	390 U	400 U
2,4-DINITROPHENOL	NA	NA	1000 U	1000 U	940 U	970 U	990 U
2,4-DINITROTOLUENE	NA	NA	410 U	420 U	380 U	390 U	400 U
2,6-DINITROTOLUENE	NA	NA	410 U	420 U	380 U	390 U	400 U
2-CHLORONAPHTHALENE	NA	NA	410 U	420 U	380 U	390 U	400 U
2-CHLOROPHENOL	NA	NA	410 U	420 U	380 U	390 U	400 U
2-METHYLPHENOL	NA	NA	410 U	420 U	380 U	390 U	400 U
2-NITROANILINE	NA	NA	1000 U	1000 U	940 U	970 U	990 U
2-NITROPHENOL	NA	NA	410 U	420 U	380 U	390 U	400 U
3&4-METHYLPHENOL	NA	NA	410 U	420 U	380 U	390 U	400 U
3,3'-DICHLOROBENZIDINE	NA	NA	410 U	420 U	380 U	390 U	400 U
3-NITROANILINE	NA	NA	1000 U	1000 U	940 U	970 U	990 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	940 U	960 U	860 U	890 U	910 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	410 U	420 U	380 U	390 U	400 U
4-CHLORO-3-METHYLPHENOL	NA	NA	410 U	420 U	380 U	390 U	400 U
4-CHLOROANILINE	NA	NA	410 U	420 U	380 U	390 U	400 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	410 U	420 U	380 U	390 U	400 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	1000 U	1000 U	940 U	970 U	990 U
4-NITROPHENOL	NA	NA	1000 U	1000 U	940 U	970 U	990 U
ACETOPHENONE	NA	NA	410 U	420 U	380 U	390 U	400 U
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	410 U	420 U	380 U	390 U	400 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	410 U	420 U	380 U	390 U	400 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	410 U	420 U	380 U	390 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	410 U	420 U	380 U	390 U	400 U
BUTYL BENZYL PHTHALATE	NA	NA	410 U	420 U	380 U	390 U	400 U
CAPROLACTAM	NA	NA	410 U	420 U	380 U	390 U	400 U
CARBAZOLE	NA	NA	410 U	420 U	380 U	390 U	400 U
DIBENZOFURAN	NA	NA	410 U	420 U	380 U	390 U	400 U
DIETHYL PHTHALATE	NA	NA	410 U	420 U	380 U	390 U	400 U
DIMETHYL PHTHALATE	NA	NA	410 U	310 J	380 U	390 U	400 U
DI-N-BUTYL PHTHALATE	NA	NA	410 U	420 U	380 U	390 U	400 U
DI-N-OCTYL PHTHALATE	NA	NA	410 U	420 U	380 U	390 U	400 U
HEXACHLOROBENZENE	NA	NA	410 U	420 U	380 U	390 U	400 U
HEXACHLOROBUTADIENE	NA	NA	410 U	420 U	380 U	390 U	400 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	410 U	420 U	380 U	390 U	400 U
HEXACHLOROETHANE	NA	NA	410 U	420 U	380 U	390 U	400 U
ISOPHORONE	NA	NA	410 U	420 U	380 U	390 U	400 U
NITROBENZENE	NA	NA	410 U	420 U	380 U	390 U	400 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	410 U	420 U	380 U	390 U	400 U
N-NITROSODIPHENYLAMINE	NA	NA	410 U	420 U	380 U	390 U	400 U
PENTACHLOROPHENOL	NA	NA	1000 U	1000 U	940 U	970 U	990 U
PHENOL	NA	NA	480	420 U	910	730	400 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	410 U	420 U	380 U	390 U	400 U
ACENAPHTHENE	NA	NA	410 U	420 U	380 U	390 U	400 U
ACENAPHTHYLENE	NA	NA	410 U	420 U	380 U	390 U	400 U
ANTHRACENE	NA	NA	410 U	420 U	380 U	390 U	400 U
BAP EQUIVALENT-HALFND	NA	NA	410 U	464	380 U	390 U	400 U
BAP EQUIVALENT-POS	NA	NA	410 U	254	380 U	390 U	400 U
BENZO(A)ANTHRACENE	NA	NA	410 U	220 J	380 U	390 U	400 U
BENZO(A)PYRENE	NA	NA	410 U	200 J	380 U	390 U	400 U
BENZO(B)FLUORANTHENE	NA	NA	410 U	190 J	380 U	390 U	400 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	410 U	140 J	380 U	390 U	400 U
BENZO(K)FLUORANTHENE	NA	NA	410 U	160 J	380 U	390 U	400 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-050	SB-050	SB-055	SB-055	SB-056	SB-056	SB-093
SAMPLE ID	SB-50-05	SB-50-10	SB-55-05	SB-55-10	SB-56-05	SB-56-10	SB-93-05
SAMPLE DATE	20040915	20040915	20040915	20040915	20040913	20040913	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	410 U	250 J	380 U	390 U	400 U
DIBENZO(A,H)ANTHRACENE	NA	NA	410 U	420 U	380 U	390 U	400 U
FLUORANTHENE	NA	NA	410 U	490	380 U	390 U	400 U
FLUORENE	NA	NA	410 U	420 U	380 U	390 U	400 U
INDENO(1,2,3-CD)PYRENE	NA	NA	410 U	110 J	380 U	390 U	400 U
NAPHTHALENE	NA	NA	410 U	420 U	380 U	390 U	400 U
PHENANTHRENE	NA	NA	410 U	190 J	380 U	390 U	400 U
PYRENE	NA	NA	410 U	370 J	380 U	390 U	400 U
TOTAL PAHS	NA	NA	0 U	2320	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	24 U	NA	22 U	NA	23 U
4,4'-DDE	NA	NA	24 U	NA	22 U	NA	23 U
4,4'-DDT	NA	NA	24 U	NA	22 U	NA	23 U
ALDRIN	NA	NA	24 U	NA	22 U	NA	23 U
ALPHA-BHC	NA	NA	24 U	NA	22 U	NA	23 U
ALPHA-CHLORDANE	NA	NA	24 U	NA	22 U	NA	23 U
AROCLOR-1016	NA	NA	300 U	310 U	280 U	280 U	290 U
AROCLOR-1221	NA	NA	300 U	310 U	280 U	280 U	290 U
AROCLOR-1232	NA	NA	300 U	310 U	280 U	280 U	290 U
AROCLOR-1242	NA	NA	300 U	310 U	280 U	280 U	290 U
AROCLOR-1248	NA	NA	300 U	310 U	280 U	280 U	290 U
AROCLOR-1254	NA	NA	300 U	310 U	280 U	280 U	290 U
AROCLOR-1260	NA	NA	300 U	310 U	280 U	280 U	290 U
BETA-BHC	NA	NA	24 U	NA	22 U	NA	23 U
DELTA-BHC	NA	NA	24 U	NA	22 U	NA	23 U
DIELDRIN	NA	NA	24 U	NA	22 U	NA	23 U
ENDOSULFAN I	NA	NA	24 U	NA	22 U	NA	23 U
ENDOSULFAN II	NA	NA	24 U	NA	22 U	NA	23 U
ENDOSULFAN SULFATE	NA	NA	24 U	NA	22 U	NA	23 U
ENDRIN	NA	NA	24 U	NA	22 U	NA	23 U
ENDRIN ALDEHYDE	NA	NA	24 U	NA	22 U	NA	23 U
ENDRIN KETONE	NA	NA	24 U	NA	22 U	NA	23 U
GAMMA-BHC (LINDANE)	NA	NA	24 U	NA	22 U	NA	23 U
GAMMA-CHLORDANE	NA	NA	24 U	NA	22 U	NA	23 U
HEPTACHLOR	NA	NA	24 U	NA	22 U	NA	23 U
HEPTACHLOR EPOXIDE	NA	NA	24 U	NA	22 U	NA	23 U
METHOXYCHLOR	NA	NA	24 U	NA	22 U	NA	23 U
TOTAL AROCLOR	NA	NA	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	600 U	NA	560 U	NA	580 U
METALS (MG/KG)							
ANTIMONY	2.8 U	2.7 U	2.8 U	2.8 UR	2.6 UR	2.9 UR	3 UR
ARSENIC	0.96	1.2	1.9	0.58 L	0.53 UL	0.58 UL	0.59 UL
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	2.8 U	2.7 U	6.2	2.8 U	2.6 U	2.9 U	3 UL
CADMIUM	2.8 U	2.7 U	2.8 U	2.8 UL	2.6 UL	2.9 UL	3 UL
CHROMIUM	13	5.8	15	8.4 L	15 L	10 L	20
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	8.7	10	56	12	10	4.7 K	13 L
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	6.7	4.8	8.4	5.2 J	3.2 J	2.9 UJ	8.7 L
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.11 U	0.11 U	0.11 U	0.11 UL	0.11 UL	0.12 UL	0.12 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	18	28	150	11	11	5.3 K	17
SELENIUM	2.8 U	2.7 U	2.8	2.8 UL	2.6 UL	2.9 UL	4.3 L
SILVER	2.6 U	2.5 U	3 UL	2.8 UR	2.6 UR	2.9 UR	3 UR
THALLIUM	2.2 UL	2.2 UL	2.2 U	2.3 UL	2.1 UL	2.3 UL	2.4 UL
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	43 K	140	270	62 J	26 UL	29 UL	30 U
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	12000 U	12000 U	11000 U	11000 U	12000 U
GASOLINE RANGE ORGANICS	NA	NA	120 U	120 U	110 U	110 U	120 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-050	SB-050	SB-055	SB-055	SB-056	SB-056	SB-093
SAMPLE ID	SB-50-05	SB-50-10	SB-55-05	SB-55-10	SB-56-05	SB-56-10	SB-93-05
SAMPLE DATE	20040915	20040915	20040915	20040915	20040913	20040913	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-093	SB-094	SB-094	SB-095	SB-095	SB-096	SB-096	SB-390	SB-390	SB-390
SAMPLE ID	SB-93-10	SB-94-05	SB-94-10	SB-95-05	SB-95-10	SB-96-05	SB-96-10	SB-390-0203	SB-390-0405	SB-390-0708
SAMPLE DATE	20040916	20040916	20040916	20040916	20040916	20040916	20040916	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	2	4	7
BOTTOM DEPTH	10	5	10	5	10	5	10	3	5	8
VOLATILES (UG/KG)										
1,1,1,2-TETRACHLOROETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,1-DICHLOROETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,1-DICHLOROETHENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2-DIBROMOETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2-DICHLOROETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
2-BUTANONE	59 U	59 U	57 U	60 U	58 U	58 U	58 U	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
2-CHLOROTOLUENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
2-HEXANONE	59 U	59 U	57 U	60 U	58 U	58 U	58 U	NA	NA	NA
4-CHLOROTOLUENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
4-METHYL-2-PENTANONE	59 U	59 U	57 U	60 U	58 U	58 U	58 U	NA	NA	NA
ACETONE	59 U	59 U	57 U	60 U	58 U	58 U	58 U	NA	NA	NA
BENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
BROMOBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
BROMOCHLOROMETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
BROMODICHLOROMETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
BROMOFORM	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
BROMOMETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CARBON DISULFIDE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CARBON TETRACHLORIDE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CHLOROBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CHLOROETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CHLOROFORM	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CHLOROMETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
DIBROMOMETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
M+P-XYLENES	12 U	12 U	11 U	12 U	12 U	12 U	12 U	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
METHYLENE CHLORIDE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
NAPHTHALENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
N-BUTYLBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
N-PROPYLBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
O-XYLENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
SEC-BUTYLBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
STYRENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
TOLUENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
TRICHLOROETHENE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
VINYL ACETATE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
VINYL CHLORIDE	6 U	6 U	6 U	6 U	6 U	6 U	6 U	NA	NA	NA
SEMIVOLATILES (UG/KG)										
1,1-BIPHENYL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	980 U	1000 U	970 U	1000 U	980 U	970 U	990 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
2,4-DICHLOROPHENOL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA

LOCATION	SB-093	SB-094	SB-094	SB-095	SB-095	SB-096	SB-096	SB-390	SB-390	SB-390
SAMPLE ID	SB-93-10	SB-94-05	SB-94-10	SB-95-05	SB-95-10	SB-96-05	SB-96-10	SB-390-0203	SB-390-0405	SB-390-0708
SAMPLE DATE	20040916	20040916	20040916	20040916	20040916	20040916	20040916	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	2	4	7
BOTTOM DEPTH	10	5	10	5	10	5	10	3	5	8
2,4-DIMETHYLPHENOL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
2,4-DINITROPHENOL	980 U	1000 U	970 U	1000 U	980 U	970 U	990 U	NA	NA	NA
2,4-DINITROTOLUENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
2,6-DINITROTOLUENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
2-CHLORONAPHTHALENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
2-CHLOROPHENOL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
2-METHYLPHENOL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
2-NITROANILINE	980 U	1000 U	970 U	1000 U	980 U	970 U	990 U	NA	NA	NA
2-NITROPHENOL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
3&4-METHYLPHENOL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
3-NITROANILINE	980 U	1000 U	970 U	1000 U	980 U	970 U	990 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	900 U	920 U	890 U	930 U	900 U	890 U	910 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
4-CHLOROANILINE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	980 U	1000 U	970 U	1000 U	980 U	970 U	990 U	NA	NA	NA
4-NITROPHENOL	980 U	1000 U	970 U	1000 U	980 U	970 U	990 U	NA	NA	NA
ACETOPHENONE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
BUTYL BENZYL PHTHALATE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
CAPROLACTAM	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
CARBAZOLE	390 U	200 J	380 J	400 U	390 U	390 U	400 U	NA	NA	NA
DIBENZOFURAN	390 U	73 J	130 J	400 U	390 U	390 U	400 U	NA	NA	NA
DIETHYL PHTHALATE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
DIMETHYL PHTHALATE	390 U	400 U	390 U	400 U	77 J	390 U	400 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
HEXACHLOROBENZENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
HEXACHLOROBUTADIENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
HEXACHLOROETHANE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
ISOPHORONE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
NITROBENZENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
PENTACHLOROPHENOL	980 U	1000 U	970 U	1000 U	980 U	970 U	990 U	NA	NA	NA
PHENOL	390 U	400 U	390 U	140 J	390 U	390 U	400 U	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
ACENAPHTHENE	390 U	110 J	190 J	400 U	390 U	390 U	400 U	NA	NA	NA
ACENAPHTHYLENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
ANTHRACENE	390 U	270 J	430	400 U	390 U	390 U	400 U	NA	NA	NA
BAP EQUIVALENT-HALFND	390 U	847	1435	400 U	390 U	390 U	400 U	1.7 U	990	1.6 U
BAP EQUIVALENT-POS	390 U	647	1240	400 U	390 U	390 U	400 U	1.7 U	990	1.6 U
BENZO(A)ANTHRACENE	390 U	620	1200	400 U	390 U	390 U	400 U	NA	NA	NA
BENZO(A)PYRENE	390 U	490	950	400 U	390 U	390 U	400 U	1.7 U	990	1.6 U
BENZO(B)FLUORANTHENE	390 U	630	1000	400 U	390 U	390 U	400 U	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	390 U	280 J	600 J	400 U	390 U	390 U	400 U	NA	NA	NA
BENZO(K)FLUORANTHENE	390 U	450	940	400 U	390 U	390 U	400 U	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-093	SB-094	SB-094	SB-095	SB-095	SB-096	SB-096	SB-390	SB-390	SB-390
SAMPLE ID	SB-93-10	SB-94-05	SB-94-10	SB-95-05	SB-95-10	SB-96-05	SB-96-10	SB-390-0203	SB-390-0405	SB-390-0708
SAMPLE DATE	20040916	20040916	20040916	20040916	20040916	20040916	20040916	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	2	4	7
BOTTOM DEPTH	10	5	10	5	10	5	10	3	5	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	390 U	660	1200	400 U	390 U	390 U	400 U	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	390 U	400 U	390 U	400 U	390 U	390 U	400 U	NA	NA	NA
FLUORANTHENE	390 U	1500	2700	400 U	390 U	390 U	400 U	NA	NA	NA
FLUORENE	390 U	110 J	200 J	400 U	390 U	390 U	400 U	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	390 U	270 J	590	400 U	390 U	390 U	400 U	NA	NA	NA
NAPHTHALENE	390 U	400 U	58 J	400 U	390 U	390 U	400 U	NA	NA	NA
PHENANTHRENE	390 U	1200	2200	400 U	390 U	390 U	400 U	NA	NA	NA
PYRENE	390 U	1100	1900	400 U	390 U	390 U	400 U	NA	NA	NA
TOTAL PAHS	0 U	7690	14158	0 U	0 U	0 U	0 U	0 U	990	0 U
PESTICIDES/PCBS (UG/KG)										
4,4'-DDD	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
4,4'-DDE	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
4,4'-DDT	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ALDRIN	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ALPHA-BHC	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ALPHA-CHLORDANE	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
AROCLOR-1016	290 U	290 U	290 U	300 U	290 U	290 U	290 U	42 U	40 U	40 U
AROCLOR-1221	290 U	290 U	290 U	300 U	290 U	290 U	290 U	42 U	40 U	40 U
AROCLOR-1232	290 U	290 U	290 U	300 U	290 U	290 U	290 U	42 U	40 U	40 U
AROCLOR-1242	290 U	290 U	290 U	300 U	290 U	290 U	290 U	42 U	40 U	40 U
AROCLOR-1248	290 U	290 U	290 U	300 U	290 U	290 U	290 U	42 U	40 U	40 U
AROCLOR-1254	290 U	290 U	290 U	300 U	290 U	290 U	290 U	42 U	40 U	40 U
AROCLOR-1260	290 U	290 U	290 U	300 U	290 U	290 U	290 U	42 U	40 U	40 U
BETA-BHC	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
DELTA-BHC	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
DIELDRIN	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ENDOSULFAN I	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ENDOSULFAN II	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ENDOSULFAN SULFATE	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ENDRIN	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ENDRIN ALDEHYDE	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
ENDRIN KETONE	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
GAMMA-BHC (LINDANE)	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
GAMMA-CHLORDANE	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
HEPTACHLOR	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
HEPTACHLOR EPOXIDE	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
METHOXYCHLOR	23 U	23 U	46 U	24 U	23 U	23 U	23 U	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	580 U	590 U	1100 U	600 U	580 U	570 U	580 U	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	2.8 UR	2.9 UR	2.8 UR	2.9 UR	2.9 UR	2.6 UR	3 UR	NA	NA	NA
ARSENIC	0.56 UL	0.58 UL	0.55 UL	0.58 UL	0.59 UL	0.52 UL	0.59 UL	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	2.8 UL	3.2 L	2.8 UL	5.2 L	2.9 UL	2.6 UL	4.1 L	NA	NA	NA
CADMIUM	2.8 UL	2.9 UL	2.8 UL	2.9 UL	2.9 UL	2.6 UL	3 UL	NA	NA	NA
CHROMIUM	9.9 K	14	20	19	9.6 K	2.6 U	17	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	10 L	21 L	11 L	24 L	5.5 L	4.3 L	13 L	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	2.9 L	6.7 L	17 L	5.2 L	3.2 L	2.6 UL	4.3 L	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.11 U	0.12 U	0.11 U	0.12 U	0.12 U	0.1 U	0.12 U	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	4 K	12	21	21	8.4	2.6 U	22	NA	NA	NA
SELENIUM	2.8 UL	4.2 L	2.8 UL	2.9 UL	2.9 UL	2.6 UL	3 UL	NA	NA	NA
SILVER	2.8 UR	2.9 UR	2.8 UR	2.9 UR	2.9 UR	2.6 UR	3 UR	NA	NA	NA
THALLIUM	2.2 UL	2.3 UL	2.2 UL	2.3 UL	2.4 UL	2.1 UL	2.4 UL	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	28 U	29 U	33 K	29 U	29 U	26 U	30 U	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	12000 U	17000	12000 U	12000 U	12000 U	12000 U	12000	NA	NA	NA
GASOLINE RANGE ORGANICS	120 U	120 U	120 U	120 U	120 U	120 U	120 U	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	78.4	82.8	82.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)										
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)										
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)										
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-093	SB-094	SB-094	SB-095	SB-095	SB-096	SB-096	SB-390	SB-390	SB-390
SAMPLE ID	SB-93-10	SB-94-05	SB-94-10	SB-95-05	SB-95-10	SB-96-05	SB-96-10	SB-390-0203	SB-390-0405	SB-390-0708
SAMPLE DATE	20040916	20040916	20040916	20040916	20040916	20040916	20040916	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	2	4	7
BOTTOM DEPTH	10	5	10	5	10	5	10	3	5	8
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-391	SB-391	SB-391	SB-392	SB-392	SB-392	SB-393	SB-393	SB-393	SB-394	SB-394	SB-
SAMPLE ID	SB-391-0203	SB-391-0405	SB-391-0708	SB-392-0203	SB-392-0405	SB-392-0708	SB-393-0203	SB-393-0405	SB-393-0708	SB-394-0203	SB-394-0405	SB-39
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5	8
VOLATILES (UG/KG)												
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-391	SB-391	SB-391	SB-392	SB-392	SB-392	SB-393	SB-393	SB-393	SB-394	SB-394	SB-
SAMPLE ID	SB-391-0203	SB-391-0405	SB-391-0708	SB-392-0203	SB-392-0405	SB-392-0708	SB-393-0203	SB-393-0405	SB-393-0708	SB-394-0203	SB-394-0405	SB-39
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5	8
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2 U	1.5 U	1.5 U	1.5 U	20	1.5 U	1.4 U	7.5	1.5 U	25	1.5 U	1.5
BAP EQUIVALENT-POS	2 U	1.5 U	1.5 U	1.5 U	20	1.5 U	1.4 U	7.5	1.5 U	25	1.5 U	1.5
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	2 U	1.5 U	1.5 U	1.5 U	20 J	1.5 U	1.4 U	7.5 J	1.5 U	25 J	1.5 U	1.5
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-391	SB-391	SB-391	SB-392	SB-392	SB-392	SB-393	SB-393	SB-393	SB-394	SB-394	SB-
SAMPLE ID	SB-391-0203	SB-391-0405	SB-391-0708	SB-392-0203	SB-392-0405	SB-392-0708	SB-393-0203	SB-393-0405	SB-393-0708	SB-394-0203	SB-394-0405	SB-39
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5	8
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	20	0 U	0 U	7.5	0 U	25	0 U	0
PESTICIDES/PCBS (UG/KG)												
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	50 U	38 U	39 U	37 U	39 U	39 U	36 U	35 U	38 U	36 U	38 U	38
AROCLOR-1221	50 U	38 U	39 U	37 U	39 U	39 U	36 U	35 U	38 U	36 U	38 U	38
AROCLOR-1232	50 U	38 U	39 U	37 U	39 U	39 U	36 U	35 U	38 U	36 U	38 U	38
AROCLOR-1242	50 U	38 U	39 U	37 U	39 U	39 U	36 U	35 U	38 U	36 U	38 U	38
AROCLOR-1248	50 U	38 U	39 U	37 U	39 U	39 U	36 U	35 U	38 U	36 U	38 U	38
AROCLOR-1254	50 U	38 U	39 U	37 U	39 U	39 U	36 U	35 U	38 U	36 U	38 U	38
AROCLOR-1260	50 U	38 U	39 U	37 U	39 U	39 U	36 U	35 U	38 U	36 U	38 U	38
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	65.8	87	85.3	89.3	84.9	84.4	92.6	93.5	86.9	90.6	86.7	86.2
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-391	SB-391	SB-391	SB-392	SB-392	SB-392	SB-393	SB-393	SB-393	SB-394	SB-394	SB-
SAMPLE ID	SB-391-0203	SB-391-0405	SB-391-0708	SB-392-0203	SB-392-0405	SB-392-0708	SB-393-0203	SB-393-0405	SB-393-0708	SB-394-0203	SB-394-0405	SB-39
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5	8
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	394	SB-395	SB-395	SB-395	SB-396	SB-396	SB-396	SB-397	SB-397	SB-397	SB-398	SB-398
SAMPLE ID	4-0708	SB-395-0203	SB-395-0405	SB-395-0708	SB-396-0203	SB-396-0405	SB-396-0708	SB-397-0203	SB-397-0405	SB-397-0708	SB-398-0203	SB-398-0405
SAMPLE DATE	1016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	D	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH		2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH		3	5	8	3	5	8	3	5	8	3	5
VOLATILES (UG/KG)												
1,1,1,2-TETRACHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
1,1-BIPHENYL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	394	SB-395	SB-395	SB-395	SB-396	SB-396	SB-396	SB-397	SB-397	SB-397	SB-398	SB-398
SAMPLE ID	4-0708	SB-395-0203	SB-395-0405	SB-395-0708	SB-396-0203	SB-396-0405	SB-396-0708	SB-397-0203	SB-397-0405	SB-397-0708	SB-398-0203	SB-398-0405
SAMPLE DATE	1016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	O	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	'	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	)	3	5	8	3	5	8	3	5	8	3	5
2,4-DIMETHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	850	1.5 U	33	1.5 U
BAP EQUIVALENT-POS	U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	850	1.5 U	33	1.5 U
BENZO(A)ANTHRACENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 UJ	850	1.5 U	33 J	1.5 U
BENZO(B)FLUORANTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	394	SB-395	SB-395	SB-395	SB-396	SB-396	SB-396	SB-397	SB-397	SB-397	SB-398	SB-398
SAMPLE ID	4-0708	SB-395-0203	SB-395-0405	SB-395-0708	SB-396-0203	SB-396-0405	SB-396-0708	SB-397-0203	SB-397-0405	SB-397-0708	SB-398-0203	SB-398-0405
SAMPLE DATE	1016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	D	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	'	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	)	3	5	8	3	5	8	3	5	8	3	5
C3-CHRYSENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	850	0 U	33	0 U
PESTICIDES/PCBS (UG/KG)												
4,4'-DDD		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	U	34 U	38 U	38 U	38 U	39 U	39 U	37 U	35 U	39 U	38 U	37 U
AROCLOR-1221	U	34 U	38 U	38 U	38 U	39 U	39 U	37 U	35 U	39 U	38 U	37 U
AROCLOR-1232	U	34 U	38 U	38 U	38 U	39 U	39 U	37 U	35 U	39 U	38 U	37 U
AROCLOR-1242	U	34 U	38 U	38 U	38 U	39 U	39 U	37 U	35 U	39 U	38 U	37 U
AROCLOR-1248	U	34 U	38 U	38 U	38 U	39 U	39 U	37 U	35 U	39 U	38 U	37 U
AROCLOR-1254	U	34 U	38 U	38 U	38 U	39 U	39 U	37 U	35 U	39 U	38 U	37 U
AROCLOR-1260	U	34 U	38 U	38 U	38 U	39 U	39 U	37 U	19 J	39 U	38 U	37 U
BETA-BHC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	19	0 U	0 U	0 U
TOXAPHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS		95.9	86.9	87	86	84.8	83.8	89.4	95.1	85.2	86	89.4
TOTAL SOLIDS		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	394	SB-395	SB-395	SB-395	SB-396	SB-396	SB-396	SB-397	SB-397	SB-397	SB-398	SB-398
SAMPLE ID	4-0708	SB-395-0203	SB-395-0405	SB-395-0708	SB-396-0203	SB-396-0405	SB-396-0708	SB-397-0203	SB-397-0405	SB-397-0708	SB-398-0203	SB-398-0405
SAMPLE DATE	1016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	O	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH		2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH		3	5	8	3	5	8	3	5	8	3	5
BISMUTH-212		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-398	SB-399	SB-399	SB-399	SB-400	SB-400	SB-400	SB-401	SB-401	SB-401	SB-402	SB-
SAMPLE ID	SB-398-0708	SB-399-0203	SB-399-0405	SB-399-0708	SB-400-0203	SB-400-0405	SB-400-0708	SB-401-0203	SB-401-0405	SB-401-0708	SB-402-0203	SB-40
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	7	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8	3	5
VOLATILES (UG/KG)												
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-398	SB-399	SB-399	SB-399	SB-400	SB-400	SB-400	SB-401	SB-401	SB-401	SB-402	SB-
SAMPLE ID	SB-398-0708	SB-399-0203	SB-399-0405	SB-399-0708	SB-400-0203	SB-400-0405	SB-400-0708	SB-401-0203	SB-401-0405	SB-401-0708	SB-402-0203	SB-40
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	7	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8	3	5
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.4 U	22	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6
BAP EQUIVALENT-POS	1.5 U	1.4 U	22	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.4 U	22 J	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-398	SB-399	SB-399	SB-399	SB-400	SB-400	SB-400	SB-401	SB-401	SB-401	SB-402	SB-
SAMPLE ID	SB-398-0708	SB-399-0203	SB-399-0405	SB-399-0708	SB-400-0203	SB-400-0405	SB-400-0708	SB-401-0203	SB-401-0405	SB-401-0708	SB-402-0203	SB-40
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	7	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8	3	5
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	22	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0
PESTICIDES/PCBS (UG/KG)												
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	38 U	37 U	39 U	40 U	36 U	39 U	41 U	37 U	40 U	38 U	39 U	39
AROCLOR-1221	38 U	37 U	39 U	40 U	36 U	39 U	41 U	37 U	40 U	38 U	39 U	39
AROCLOR-1232	38 U	37 U	39 U	40 U	36 U	39 U	41 U	37 U	40 U	38 U	39 U	39
AROCLOR-1242	38 U	37 U	39 U	40 U	36 U	39 U	41 U	37 U	40 U	38 U	39 U	39
AROCLOR-1248	38 U	37 U	39 U	40 U	36 U	39 U	41 U	37 U	40 U	38 U	39 U	39
AROCLOR-1254	38 U	37 U	39 U	40 U	36 U	39 U	41 U	37 U	40 U	38 U	39 U	39
AROCLOR-1260	38 U	37 U	39 U	40 U	36 U	39 U	41 U	37 U	40 U	38 U	39 U	39
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	86.3	89.9	84.5	83.3	92.1	84.1	80.3	88.3	83.1	86	84.7	83.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-398	SB-399	SB-399	SB-399	SB-400	SB-400	SB-400	SB-401	SB-401	SB-401	SB-402	SB-
SAMPLE ID	SB-398-0708	SB-399-0203	SB-399-0405	SB-399-0708	SB-400-0203	SB-400-0405	SB-400-0708	SB-401-0203	SB-401-0405	SB-401-0708	SB-402-0203	SB-40
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	7	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8	3	5
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	402	SB-402	SB-403	SB-403	SB-403	SB-404	SB-404	SB-404	SB-405	SB-405	SB-405	SB-406
SAMPLE ID	2-0405	SB-402-0708	SB-403-0203	SB-403-0405	SB-403-0708	SB-404-0203	SB-404-0405	SB-404-0708	SB-405-0203	SB-405-0405	SB-405-0708	SB-406-0203
SAMPLE DATE	1016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	D	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH		7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH		8	3	5	8	3	5	8	3	5	8	3
VOLATILES (UG/KG)												
1,1,1,2-TETRACHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
1,1-BIPHENYL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	402	SB-402	SB-403	SB-403	SB-403	SB-404	SB-404	SB-404	SB-405	SB-405	SB-405	SB-406
SAMPLE ID	2-0405	SB-402-0708	SB-403-0203	SB-403-0405	SB-403-0708	SB-404-0203	SB-404-0405	SB-404-0708	SB-405-0203	SB-405-0405	SB-405-0708	SB-406-0203
SAMPLE DATE	1016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	D	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH		7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH		8	3	5	8	3	5	8	3	5	8	3
2,4-DIMETHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	18	72	1.4 U	330	230	320
BAP EQUIVALENT-POS	U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	18	72	1.4 U	330	230	320
BENZO(A)ANTHRACENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	18 J	72 J	1.4 U	330 J	230 J	320 J
BENZO(B)FLUORANTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	402	SB-402	SB-403	SB-403	SB-403	SB-404	SB-404	SB-404	SB-405	SB-405	SB-405	SB-406
SAMPLE ID	2-0405	SB-402-0708	SB-403-0203	SB-403-0405	SB-403-0708	SB-404-0203	SB-404-0405	SB-404-0708	SB-405-0203	SB-405-0405	SB-405-0708	SB-406-0203
SAMPLE DATE	1016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	D	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH		7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH		8	3	5	8	3	5	8	3	5	8	3
C3-CHRYSENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	U	0 U	0 U	0 U	0 U	0 U	18	72	0 U	330	230	320
PESTICIDES/PCBS (UG/KG)												
4,4'-DDD		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	U	39 U	37 U	39 U	40 U	41 U	42 U	43 U	37 U	40 U	43 U	38 U
AROCLOR-1221	U	39 U	37 U	39 U	40 U	41 U	42 U	43 U	37 U	40 U	43 U	38 U
AROCLOR-1232	U	39 U	37 U	39 U	40 U	41 U	42 U	43 U	37 U	40 U	43 U	38 U
AROCLOR-1242	U	39 U	37 U	39 U	40 U	41 U	42 U	43 U	37 U	40 U	43 U	38 U
AROCLOR-1248	U	39 U	37 U	39 U	40 U	41 U	42 U	43 U	37 U	40 U	43 U	38 U
AROCLOR-1254	U	39 U	37 U	39 U	40 U	41 U	42 U	43 U	37 U	40 U	43 U	38 U
AROCLOR-1260	U	39 U	37 U	39 U	40 U	41 U	42 U	43 U	37 U	40 U	43 U	21 J
BETA-BHC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	21
TOXAPHENE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS		84.1	88.4	84.7	83.5	81.2	78	76.5	90.3	83.3	77.4	87.5
TOTAL SOLIDS		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	402	SB-402	SB-403	SB-403	SB-403	SB-404	SB-404	SB-404	SB-405	SB-405	SB-405	SB-406
SAMPLE ID	2-0405	SB-402-0708	SB-403-0203	SB-403-0405	SB-403-0708	SB-404-0203	SB-404-0405	SB-404-0708	SB-405-0203	SB-405-0405	SB-405-0708	SB-406-0203
SAMPLE DATE	1016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	D	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH		7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH		8	3	5	8	3	5	8	3	5	8	3
BISMUTH-212		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-406	SB-406	SB-407	SB-407	SB-407	SB-408	SB-408	SB-408	SB-409	SB-409	SB-409	SB-
SAMPLE ID	SB-406-0405	SB-406-0708	SB-407-0203	SB-407-0405	SB-407-0708	SB-408-0203	SB-408-0405	SB-408-0708	SB-409-0203	SB-409-0405	SB-409-0708	SB-40
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	4	7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH	5	8	3	5	8	3	5	8	3	5	8	3
VOLATILES (UG/KG)												
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-406	SB-406	SB-407	SB-407	SB-407	SB-408	SB-408	SB-408	SB-409	SB-409	SB-409	SB-
SAMPLE ID	SB-406-0405	SB-406-0708	SB-407-0203	SB-407-0405	SB-407-0708	SB-408-0203	SB-408-0405	SB-408-0708	SB-409-0203	SB-409-0405	SB-409-0708	SB-40
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	4	7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH	5	8	3	5	8	3	5	8	3	5	8	3
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	62	85	190	110	30	50	12	1.6 U	1.6 U	67	1.8 U	260
BAP EQUIVALENT-POS	62	85	190	110	30	50	12	1.6 U	1.6 U	67	1.8 U	260
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	62 J	85 J	190 J	110 J	30 J	50 J	12 J	1.6 U	1.6 U	67 J	1.8 U	260
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-406	SB-406	SB-407	SB-407	SB-407	SB-408	SB-408	SB-408	SB-409	SB-409	SB-409	SB-
SAMPLE ID	SB-406-0405	SB-406-0708	SB-407-0203	SB-407-0405	SB-407-0708	SB-408-0203	SB-408-0405	SB-408-0708	SB-409-0203	SB-409-0405	SB-409-0708	SB-40
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	4	7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH	5	8	3	5	8	3	5	8	3	5	8	3
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	62	85	190	110	30	50	12	0 U	0 U	67	0 U	260
PESTICIDES/PCBS (UG/KG)												
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	41 U	42 U	42 U	45 U	45 U	39 U	38 U	41 U	40 U	42 U	45 U	43
AROCLOR-1221	41 U	42 U	42 U	45 U	45 U	39 U	38 U	41 U	40 U	42 U	45 U	43
AROCLOR-1232	41 U	42 U	42 U	45 U	45 U	39 U	38 U	41 U	40 U	42 U	45 U	43
AROCLOR-1242	41 U	42 U	42 U	45 U	45 U	39 U	38 U	41 U	40 U	42 U	45 U	43
AROCLOR-1248	41 U	42 U	42 U	45 U	45 U	39 U	38 U	41 U	40 U	42 U	45 U	43
AROCLOR-1254	41 U	42 U	42 U	45 U	45 U	39 U	38 U	41 U	40 U	42 U	45 U	43
AROCLOR-1260	41 U	42 U	42 U	45 U	45 U	39 U	15 J	41 U	40 U	42 U	45 U	43
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	15	0 U	0 U	0 U	0 U	0
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	79.9	78.3	78.1	73.7	72.7	83.8	86.1	81.1	81.6	78.5	73.5	76.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)												
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-406	SB-406	SB-407	SB-407	SB-407	SB-408	SB-408	SB-408	SB-409	SB-409	SB-409	SB-
SAMPLE ID	SB-406-0405	SB-406-0708	SB-407-0203	SB-407-0405	SB-407-0708	SB-408-0203	SB-408-0405	SB-408-0708	SB-409-0203	SB-409-0405	SB-409-0708	SB-4
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	2007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	S
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NOR
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	S
TOP DEPTH	4	7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH	5	8	3	5	8	3	5	8	3	5	8	3
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	489	SB-489	SB-489	SB-490	SB-490
SAMPLE ID	9-0203	SB-489-0405	SB-489-0708	SB-490-0405	SB-490-0708
SAMPLE DATE	1016	20071016	20071016	20071017	20071017
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	O	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB
TOP DEPTH	2	4	7	4	7
BOTTOM DEPTH	3	5	8	5	8
VOLATILES (UG/KG)					
1,1,1,2-TETRACHLOROETHANE		NA	NA	NA	NA
1,1,1-TRICHLOROETHANE		NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE		NA	NA	NA	NA
1,1,2-TRICHLOROETHANE		NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE		NA	NA	NA	NA
1,1-DICHLOROETHANE		NA	NA	NA	NA
1,1-DICHLOROETHENE		NA	NA	NA	NA
1,1-DICHLOROPROPENE		NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE		NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE		NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE		NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE		NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE		NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE		NA	NA	NA	NA
1,2-DIBROMOETHANE		NA	NA	NA	NA
1,2-DICHLOROBENZENE		NA	NA	NA	NA
1,2-DICHLOROETHANE		NA	NA	NA	NA
1,2-DICHLOROPROPANE		NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE		NA	NA	NA	NA
1,3-DICHLOROBENZENE		NA	NA	NA	NA
1,3-DICHLOROPROPANE		NA	NA	NA	NA
1,3-DICHLOROPROPENE		NA	NA	NA	NA
1,4-DICHLOROBENZENE		NA	NA	NA	NA
1,4-DIOXANE		NA	NA	NA	NA
2,2-DICHLOROPROPANE		NA	NA	NA	NA
2-BUTANONE		NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER		NA	NA	NA	NA
2-CHLOROTOLUENE		NA	NA	NA	NA
2-HEXANONE		NA	NA	NA	NA
4-CHLOROTOLUENE		NA	NA	NA	NA
4-ISOPROPYLTOLUENE		NA	NA	NA	NA
4-METHYL-2-PENTANONE		NA	NA	NA	NA
ACETONE		NA	NA	NA	NA
BENZENE		NA	NA	NA	NA
BROMOBENZENE		NA	NA	NA	NA
BROMOCHLOROMETHANE		NA	NA	NA	NA
BROMODICHLOROMETHANE		NA	NA	NA	NA
BROMOFORM		NA	NA	NA	NA
BROMOMETHANE		NA	NA	NA	NA
CARBON DISULFIDE		NA	NA	NA	NA
CARBON TETRACHLORIDE		NA	NA	NA	NA
CHLOROBENZENE		NA	NA	NA	NA
CHLORODIBROMOMETHANE		NA	NA	NA	NA
CHLOROETHANE		NA	NA	NA	NA
CHLOROFORM		NA	NA	NA	NA
CHLOROMETHANE		NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE		NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE		NA	NA	NA	NA
DIBROMOMETHANE		NA	NA	NA	NA
DICHLORODIFLUOROMETHANE		NA	NA	NA	NA
DIISOPROPYL ETHER		NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER		NA	NA	NA	NA
ETHYLBENZENE		NA	NA	NA	NA
FLUORODICHLOROMETHANE		NA	NA	NA	NA
HEXACHLOROBUTADIENE		NA	NA	NA	NA
ISOPROPYLBENZENE		NA	NA	NA	NA
M+P-XYLENES		NA	NA	NA	NA
METHYL TERT-BUTYL ETHER		NA	NA	NA	NA
METHYLENE CHLORIDE		NA	NA	NA	NA
NAPHTHALENE		NA	NA	NA	NA
N-BUTYLBENZENE		NA	NA	NA	NA
N-PROPYLBENZENE		NA	NA	NA	NA
O-XYLENE		NA	NA	NA	NA
SEC-BUTYLBENZENE		NA	NA	NA	NA
STYRENE		NA	NA	NA	NA
TERT-AMYL METHYL ETHER		NA	NA	NA	NA
TERT-BUTYLBENZENE		NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL		NA	NA	NA	NA
TETRACHLOROETHENE		NA	NA	NA	NA
TOLUENE		NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE		NA	NA	NA	NA
TOTAL XYLENES		NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE		NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE		NA	NA	NA	NA
TRICHLOROETHENE		NA	NA	NA	NA
TRICHLOROFLUOROMETHANE		NA	NA	NA	NA
VINYL ACETATE		NA	NA	NA	NA
VINYL CHLORIDE		NA	NA	NA	NA
SEMIVOLATILES (UG/KG)					
1,1-BIPHENYL		NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE		NA	NA	NA	NA
1,2-DICHLOROBENZENE		NA	NA	NA	NA
1,3-DICHLOROBENZENE		NA	NA	NA	NA
1,4-DICHLOROBENZENE		NA	NA	NA	NA
1,4-DIOXANE		NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)		NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL		NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL		NA	NA	NA	NA
2,4-DICHLOROPHENOL		NA	NA	NA	NA

LOCATION	489	SB-489	SB-489	SB-490	SB-490
SAMPLE ID	9-0203	SB-489-0405	SB-489-0708	SB-490-0405	SB-490-0708
SAMPLE DATE	1016	20071016	20071016	20071017	20071017
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	O	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB
TOP DEPTH	2	4	7	4	7
BOTTOM DEPTH	3	5	8	5	8
2,4-DIMETHYLPHENOL		NA	NA	NA	NA
2,4-DINITROPHENOL		NA	NA	NA	NA
2,4-DINITROTOLUENE		NA	NA	NA	NA
2,6-DINITROTOLUENE		NA	NA	NA	NA
2-CHLORONAPHTHALENE		NA	NA	NA	NA
2-CHLOROPHENOL		NA	NA	NA	NA
2-METHYLPHENOL		NA	NA	NA	NA
2-NITROANILINE		NA	NA	NA	NA
2-NITROPHENOL		NA	NA	NA	NA
3&4-METHYLPHENOL		NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE		NA	NA	NA	NA
3-NITROANILINE		NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL		NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER		NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL		NA	NA	NA	NA
4-CHLOROANILINE		NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER		NA	NA	NA	NA
4-METHYLPHENOL		NA	NA	NA	NA
4-NITROANILINE		NA	NA	NA	NA
4-NITROPHENOL		NA	NA	NA	NA
ACETOPHENONE		NA	NA	NA	NA
ANILINE		NA	NA	NA	NA
ATRAZINE		NA	NA	NA	NA
AZOBENZENE		NA	NA	NA	NA
BENZALDEHYDE		NA	NA	NA	NA
BENZIDINE		NA	NA	NA	NA
BENZOIC ACID		NA	NA	NA	NA
BENZYL ALCOHOL		NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE		NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER		NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE		NA	NA	NA	NA
BUTYL BENZYL PHTHALATE		NA	NA	NA	NA
CAPROLACTAM		NA	NA	NA	NA
CARBAZOLE		NA	NA	NA	NA
DIBENZOFURAN		NA	NA	NA	NA
DIETHYL PHTHALATE		NA	NA	NA	NA
DIMETHYL PHTHALATE		NA	NA	NA	NA
DI-N-BUTYL PHTHALATE		NA	NA	NA	NA
DI-N-OCTYL PHTHALATE		NA	NA	NA	NA
HEXACHLOROBENZENE		NA	NA	NA	NA
HEXACHLOROBUTADIENE		NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE		NA	NA	NA	NA
HEXACHLOROETHANE		NA	NA	NA	NA
ISOPHORONE		NA	NA	NA	NA
NITROBENZENE		NA	NA	NA	NA
N-NITROSODIMETHYLAMINE		NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE		NA	NA	NA	NA
N-NITROSODIPHENYLAMINE		NA	NA	NA	NA
PENTACHLOROPHENOL		NA	NA	NA	NA
PHENOL		NA	NA	NA	NA
PYRIDINE		NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)					
1-METHYLNAPHTHALENE		NA	NA	NA	NA
2-METHYLNAPHTHALENE		NA	NA	NA	NA
ACENAPHTHENE		NA	NA	NA	NA
ACENAPHTHYLENE		NA	NA	NA	NA
ANTHRACENE		NA	NA	NA	NA
BAP EQUIVALENT-HALFND		9.8	21	110	31
BAP EQUIVALENT-POS		9.8	21	110	31
BENZO(A)ANTHRACENE		NA	NA	NA	NA
BENZO(A)PYRENE	J	9.8 J	21 J	110 J	31 J
BENZO(B)FLUORANTHENE		NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE		NA	NA	NA	NA
BENZO(G,H,I)PERYLENE		NA	NA	NA	NA
BENZO(K)FLUORANTHENE		NA	NA	NA	NA
C1-CHRYSENES		NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES		NA	NA	NA	NA
C1-FLUORENES		NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA
C2-CHRYSENES		NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA
C2-FLUORENES		NA	NA	NA	NA
C2-NAPHTHALENES		NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA

LOCATION	489	SB-489	SB-489	SB-490	SB-490
SAMPLE ID	9-0203	SB-489-0405	SB-489-0708	SB-490-0405	SB-490-0708
SAMPLE DATE	1016	20071016	20071016	20071017	20071017
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	O	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB
TOP DEPTH	2	4	7	4	7
BOTTOM DEPTH	3	5	8	5	8
C3-CHRYSENES		NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA
C3-FLUORENES		NA	NA	NA	NA
C3-NAPHTHALENES		NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA
C4-CHRYSENES		NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES		NA	NA	NA	NA
C4-NAPHTHALENES		NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES		NA	NA	NA	NA
CHRYSENE		NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE		NA	NA	NA	NA
FLUORANTHENE		NA	NA	NA	NA
FLUORENE		NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE		NA	NA	NA	NA
NAPHTHALENE		NA	NA	NA	NA
PHENANTHRENE		NA	NA	NA	NA
PYRENE		NA	NA	NA	NA
TOTAL PAHS		9.8	21	110	31
PESTICIDES/PCBS (UG/KG)					
4,4'-DDD		NA	NA	NA	NA
4,4'-DDE		NA	NA	NA	NA
4,4'-DDT		NA	NA	NA	NA
ALDRIN		NA	NA	NA	NA
ALPHA-BHC		NA	NA	NA	NA
ALPHA-CHLORDANE		NA	NA	NA	NA
AROCLOR-1016	U	42 U	45 U	42 U	38 U
AROCLOR-1221	U	42 U	45 U	42 U	38 U
AROCLOR-1232	U	42 U	45 U	42 U	38 U
AROCLOR-1242	U	42 U	45 U	42 U	38 U
AROCLOR-1248	U	42 U	45 U	42 U	38 U
AROCLOR-1254	U	42 U	45 U	42 U	38 U
AROCLOR-1260	U	42 U	45 U	42 U	38 U
BETA-BHC		NA	NA	NA	NA
DELTA-BHC		NA	NA	NA	NA
DIELDRIN		NA	NA	NA	NA
ENDOSULFAN I		NA	NA	NA	NA
ENDOSULFAN II		NA	NA	NA	NA
ENDOSULFAN SULFATE		NA	NA	NA	NA
ENDRIN		NA	NA	NA	NA
ENDRIN ALDEHYDE		NA	NA	NA	NA
ENDRIN KETONE		NA	NA	NA	NA
GAMMA-BHC (LINDANE)		NA	NA	NA	NA
GAMMA-CHLORDANE		NA	NA	NA	NA
HEPTACHLOR		NA	NA	NA	NA
HEPTACHLOR EPOXIDE		NA	NA	NA	NA
METHOXYCHLOR		NA	NA	NA	NA
TOTAL AROCLOR	U	0 U	0 U	0 U	0 U
TOXAPHENE		NA	NA	NA	NA
METALS (MG/KG)					
ANTIMONY		NA	NA	NA	NA
ARSENIC		NA	NA	NA	NA
BARIUM		NA	NA	NA	NA
BERYLLIUM		NA	NA	NA	NA
CADMIUM		NA	NA	NA	NA
CHROMIUM		NA	NA	NA	NA
COBALT		NA	NA	NA	NA
COPPER		NA	NA	NA	NA
IRON		NA	NA	NA	NA
LEAD		NA	NA	NA	NA
MANGANESE		NA	NA	NA	NA
MERCURY		NA	NA	NA	NA
MOLYBDENUM		NA	NA	NA	NA
NICKEL		NA	NA	NA	NA
SELENIUM		NA	NA	NA	NA
SILVER		NA	NA	NA	NA
THALLIUM		NA	NA	NA	NA
VANADIUM		NA	NA	NA	NA
ZINC		NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)					
DIESEL RANGE ORGANICS		NA	NA	NA	NA
GASOLINE RANGE ORGANICS		NA	NA	NA	NA
TPH (C09-C36)		NA	NA	NA	NA
TPH (C10-C32)		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)					
PERCENT SOLIDS		79.3	73.3	79.4	86.6
TOTAL SOLIDS		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)					
HEXAVALENT CHROMIUM		NA	NA	NA	NA
TOTAL ORGANIC CARBON		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)					
PH		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)					
MERCURY (METHYL)		NA	NA	NA	NA
RADIONUCLIDES (PCI/G)					
ACTINIUM-228		NA	NA	NA	NA
ALUMINUM-26		NA	NA	NA	NA
AMERICIUM-241		NA	NA	NA	NA
ANTIMONY-124		NA	NA	NA	NA
ANTIMONY-125		NA	NA	NA	NA
BERYLLIUM-7		NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	489	SB-489	SB-489	SB-490	SB-490
SAMPLE ID	9-0203	SB-489-0405	SB-489-0708	SB-490-0405	SB-490-0708
SAMPLE DATE	1016	20071016	20071016	20071017	20071017
SAMPLE CODE	MAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	O	SO	SO	SO	SO
SAMPLE TYPE	MAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	B	SB	SB	SB	SB
TOP DEPTH		4	7	4	7
BOTTOM DEPTH		5	8	5	8
BISMUTH-212		NA	NA	NA	NA
BISMUTH-214		NA	NA	NA	NA
CERIUM-139		NA	NA	NA	NA
CERIUM-144		NA	NA	NA	NA
CESIUM-134		NA	NA	NA	NA
CESIUM-137		NA	NA	NA	NA
CHROMIUM-51		NA	NA	NA	NA
COBALT-56		NA	NA	NA	NA
COBALT-57		NA	NA	NA	NA
COBALT-58		NA	NA	NA	NA
COBALT-60		NA	NA	NA	NA
EUROPIUM-152		NA	NA	NA	NA
EUROPIUM-154		NA	NA	NA	NA
EUROPIUM-155		NA	NA	NA	NA
IODINE-131		NA	NA	NA	NA
IRON-59		NA	NA	NA	NA
LEAD-212		NA	NA	NA	NA
LEAD-214		NA	NA	NA	NA
MANGANESE-54		NA	NA	NA	NA
NIOBIUM-94		NA	NA	NA	NA
NIOBIUM-95		NA	NA	NA	NA
POTASSIUM-40		NA	NA	NA	NA
PROTACTINIUM-234		NA	NA	NA	NA
RADIUM-226		NA	NA	NA	NA
RUTHENIUM-106		NA	NA	NA	NA
SCANDIUM-46		NA	NA	NA	NA
SILVER-110		NA	NA	NA	NA
SODIUM-22		NA	NA	NA	NA
THALLIUM-208		NA	NA	NA	NA
THORIUM-227		NA	NA	NA	NA
THORIUM-234		NA	NA	NA	NA
URANIUM-235		NA	NA	NA	NA
ZINC-65		NA	NA	NA	NA

Table A-15
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-024A F-SB-24ARE-3 20090922 NORMAL SO NORMAL SB 3 3	SB-024A F-SB-24ARE-4 20090922 NORMAL SO NORMAL SB 4 4	SB-024A F-SB-24ARE-5 20090922 NORMAL SO NORMAL SB 5 5	SB-055 F-SB-55RE-10 20090918 NORMAL SO NORMAL SB 10 10	SB-056 F-SB-56RE-10 20090918 NORMAL SO NORMAL SB 10 10	SB-056 F-SB-56RE-3 20090918 NORMAL SO NORMAL SB 3 3	SB-056 F-SB-56RE-4 20090918 NORMAL SO NORMAL SB 4 4	SB-056 F-SB-56RE-5 20090918 NORMAL SO NORMAL SB 5 5	SB-056 F-SB-56RE-6 20090918 NORMAL SO NORMAL SB 6 6	SB-056 F-SB-56RE-7 20090918 NORMAL SO NORMAL SB 7 7
VOLATILES (UG/KG)														
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	
BENZO(A)PYRENE	22	15	C	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	1.4 U	1.4 U	1.3 U	1.4 U	1.5 U	1.5 U	1.4 U	
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	2 U	2 U	1.9 U	1.9 U	2.1 U	2.1 U	2 U	
CHRYSENE	22000	15000	C	NA	NA	NA	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	1.7 U	1.8 U	1.7 U	1.7 U	1.9 U	1.9 U	1.8 U	
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TOTAL PAHS	NC	NC		NA	NA	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U	
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MERCURY	2.3 [11]	2.3	N[12]	0.086	0.083	0.021 U	NA	NA	NA	NA	NA	NA	NA	
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MISCELLANEOUS PARAMETERS (UG/KG)														
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-056	SB-056	SB-265RE	SB-265RE	SB-266RE	SB-266RE	SB-267RE	SB-267RE	SB-268RE	SB-268RE
SAMPLE ID				F-SB-56RE-8	F-SB-56RE-9	F-SB-265RE-3	F-SB-265RE-4	F-SB-266RE-3	F-SB-266RE-4	F-SB-267RE-3	F-SB-267RE-4	F-SB-268RE-10	F-SB-268RE-3
SAMPLE DATE				20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921	20091006	20090921
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	9	3	4	3	4	3	4	10	3
BOTTOM DEPTH				8	9	3	4	3	4	3	4	10	3
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	36	1.7 U	2.5	1.5 U	1.5 U	1.5 U	441	7604
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	36	1.7 U	0.87	1.5 U	1.5 U	1.5 U	441	7604
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	24	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	340	5700
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	26	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	280	5200
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	41	1.5 U	8.7	1.4 U	1.4 U	1.4 U	450	6500
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	14	2.2 U	2 U	1.9 U	1.9 U	2 U	8.3 U	2900
CHRYSENE	22000	15000	C	1 U	1 U	28	1.1 U	1.1 U	1 U	1 U	1.1 U	290	5400
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.6 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	62	860
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	29	1.9 U	1.8 U	1.7 U	1.7 U	1.8 U	200	2900
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	162	0 U	8.7	0 U	0 U	0 U	1622	29460
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	NA	NA	NA	20 U	19 U	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	0 U	0 U	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-269RE	SB-269RE
SAMPLE ID				F-SB-268RE-4	F-SB-268RE-5	F-SB-268RE-6	F-SB-268RE-7	F-SB-268RE-7-AVG	F-SB-268RE-7-D	F-SB-268RE-8	F-SB-268RE-9	F-SB-269RE-3	F-SB-269RE-4
SAMPLE DATE				20090921	20090921	20090921	20090921	20090921	20090921	20091006	20091006	20090921	20090921
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	5	6	7	7	7	8	9	3	4
BOTTOM DEPTH				4	5	6	7	7	7	8	9	3	4
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		745	298	1376	709	1876	3043	4.8	116	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	745	298	1376	709	1876	3043	4.0	116	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	550	220	1000	490 J	1395	2300 J	3.4 J	87	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	520	210	980	510 J	1305	2100 J	3.1 J	75	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	580	280	1200	590 J	1595	2600 J	3.2 J	110	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	350	110	600	340 J	720	1100 J	1.6 U	1.6 U	2 U	1.9 U
CHRYSENE	22000	15000	C	480	210	850	500 J	1250	2000 J	2.9 J	70	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	79	26	120	61 J	190.5	320 J	1.7 U	16	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	290	110	490	260 J	730	1200 J	1.9 J	49	1.8 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		2849	1166	5240	2751	7185.5	11620	14.5	407	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-270RE	SB-270RE	SB-383	SB-383	SB-388	SB-388	SB-388	SB-389	SB-389	SB-390
SAMPLE ID			F-SB-270RE-3	F-SB-270RE-4	F-SB-383RE-3	F-SB-383RE-4	F-SB-388RE-3	F-SB-388RE-4	F-SB-388RE-5	F-SB-389RE-3	F-SB-389RE-4	F-SB-390RE-6
SAMPLE DATE			20090921	20090921	20090918	20090918	20090921	20090921	20090921	20090918	20090918	20090918
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	4	3	4	3	4	5	3	4	6
BOTTOM DEPTH			3	4	3	4	3	4	5	3	4	6
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15 C	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	1.3 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	1.9 U	2 U	2 U	2 U
CHRYSENE	22000	15000 C	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.7 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (8)	220 C(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000 N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-390	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-393	SB-397	SB-397
SAMPLE ID				F-SB-390RE-7	F-SB-393RE-3	F-SB-393RE-4	F-SB-393RE-5	F-SB-393RE-5-AVG	F-SB-393RE-5-D	F-SB-393RE-6	F-SB-393RE-7	F-SB-397RE-6	F-SB-397RE-7
SAMPLE DATE				20090918	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	3	4	5	5	5	6	7	6	7
BOTTOM DEPTH				7	3	4	5	5	5	6	7	6	7
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	329	1.5 U	29	44	58	1.5 U	1.5 U	37	25
BAP EQUIVALENT-POS	22	15	C	1.5 U	329	1.5 U	28	43	58	1.5 U	1.5 U	36	24
BENZO(A)ANTHRACENE	220	150	C	1.1 U	230	1.1 U	21 J	33	45 J	1.1 U	1.1 U	27	18
BENZO(A)PYRENE	22	15	C	1.5 U	230	1.5 U	22 J	33.5	45 J	1.5 U	1.5 U	28	19
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	270	1.4 U	29 J	40.5	52 J	1.4 U	1.4 U	34	21
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	120	2 U	9.5 J	19.25	29 J	2 U	1.9 U	17	13
CHRYSENE	22000	15000	C	1 U	250	1.1 U	21 J	33.5	46 J	1.1 U	1 U	27	18
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	36	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	120	1.8 U	13 J	20	27 J	1.8 U	1.7 U	15	10
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	1256	0 U	115.5	179.75	244	0 U	0 U	148	99
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-405	SB-405	SB-626	SB-626	SB-626	SB-626C	SB-626D	SB-626D	SB-626D	SB-628
SAMPLE ID				F-SB-405RE-10	F-SB-405RE-9	F-SB-626-3	F-SB-626-4	F-SB-626-5	F-SB-626C-3	F-SB-626D-3	F-SB-626D-3-AVG	F-SB-626D-3-D	F-SB-628-10
SAMPLE DATE				20090922	20090922	20090922	20090922	20090922	20091111	20091111	20091111	20091111	20090918
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				10	9	3	4	5	3	3	3	3	10
BOTTOM DEPTH				10	9	3	4	5	3	3	3	3	10
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		30	2582	NA	NA	NA	NA	NA	NA	NA	1.6 U
BAP EQUIVALENT-POS	22	15	C	29	2577	NA	NA	NA	NA	NA	NA	NA	1.6 U
BENZO(A)ANTHRACENE	220	150	C	31	3000	NA	NA	NA	NA	NA	NA	NA	1.2 U
BENZO(A)PYRENE	22	15	C	22	1900	NA	NA	NA	NA	NA	NA	NA	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	30	2900	NA	NA	NA	NA	NA	NA	NA	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	20	1300	NA	NA	NA	NA	NA	NA	NA	2.1 U
CHRYSENE	22000	15000	C	31	4400	NA	NA	NA	NA	NA	NA	NA	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	8.2 U	NA	NA	NA	NA	NA	NA	NA	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	11	700	NA	NA	NA	NA	NA	NA	NA	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		145	14200	NA	NA	NA	NA	NA	NA	NA	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	0.6	0.5	0.019 U	0.13	1	0.86	0.72	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-629	SB-630	SB-631	SB-632	SB-632	SB-633	SB-633	SB-634	SB-634	SB-635
SAMPLE ID					F-SB-629-10	F-SB-630-10	F-SB-631-10	F-SB-632-10	F-SB-632-9	F-SB-633-10	F-SB-633-9	F-SB-634-10	F-SB-634-9	F-SB-635-10
SAMPLE DATE					20090918	20090918	20090918	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					10	10	10	10	9	10	9	10	9	10
BOTTOM DEPTH					10	10	10	10	9	10	9	10	9	10
VOLATILES (UG/KG)														
1,2,4-TRIMETHYLBENZENE	NC		6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC		78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000		5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000		210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000	[4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000	[4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	[4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC		79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
2,4-DIMETHYLPHENOL	160000		120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000		35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800		7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000		99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000		340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22		15		1.6 U	1.5 U	1.5 U	65	2.7	1.7 U	1.6 U	1.8 U	3.0	1.5 U
BAP EQUIVALENT-POS	22		15	C	1.6 U	1.5 U	1.5 U	64	1	1.7 U	1.6 U	1.8 U	1.1	1.5 U
BENZO(A)ANTHRACENE	220		150	C	1.2 U	1.1 U	1.1 U	79	1.1 U	1.2 U	1.2 U	1.3 U	1.3 U	1.1 UJ
BENZO(A)PYRENE	22		15	C	1.6 U	1.5 U	1.5 U	40	1.5 U	1.7 U	1.6 U	1.8 U	1.7 U	1.5 UJ
BENZO(B)FLUORANTHENE	220		150	C	1.5 U	1.4 U	1.4 U	120	10	1.5 U	1.5 U	1.7 U	11	1.4 UJ
BENZO(G,H,I)PERYLENE	230000		170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200		1500	C	2.1 U	2 U	2 U	59	2 U	2.2 U	2.1 U	2.4 U	2.3 U	2 UJ
CHRYSENE	22000		15000	C	1.1 U	1.1 U	1.1 U	110	1.1 U	1.2 U	1.1 U	1.3 U	1.2 U	1.1 UJ
DIBENZO(A,H)ANTHRACENE	22		15	C	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.7 U	1.6 U	1.8 U	1.7 U	1.5 UJ
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220		150	C	1.8 U	1.8 U	1.8 U	34	1.8 U	1.9 U	1.9 U	2.1 U	2 U	1.8 UJ
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000		170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000		170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC		NC		0 U	0 U	0 U	442	10	0 U	0 U	0 U	11	0 U
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1260	320		220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320	[8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1		3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9		7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000	[10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)														
MERCURY (METHYL)	780		780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-635	SB-635	SB-635	SB-635C	SB-635C	SB-635C	SB-635C	SB-635C	SB-635D	SB-635D
SAMPLE ID			F-SB-635-10-AVG	F-SB-635-10-D	F-SB-635-9	F-SB-635C-3	F-SB-635C-5	F-SB-635C-7	F-SB-635C-7-AVG	F-SB-635C-7-D	F-SB-635D-5	F-SB-635D-7
SAMPLE DATE			20090922	20090922	20090922	20091104	20091104	20091104	20091104	20091104	20091110	20091110
SAMPLE CODE			AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			10	10	9	3	5	7	7	7	5	7
BOTTOM DEPTH			10	10	9	3	5	7	7	7	5	7
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	**17**	**34**	**276**	**26**	**28**	**52**	**135**	**219**	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15 C	**17**	**33**	**275**	**25**	**27**	**51**	**135**	**219**	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150 C	15.775	31 J	**220**	18	18	55 J	122.5	**190 J**	1.1 U	1.2 U
BENZO(A)PYRENE	22	15 C	12.875	**25 J**	**210**	**20**	**21**	**36 J**	**88**	**140 J**	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	17.35	34 J	**310**	21	26	75 J	**187.5**	**300 J**	1.4 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	7	13 J	150	14	12	24 J	59	94 J	2 U	2.1 U
CHRYSENE	22000	15000 C	15.275	30 J	310	20	22	66 J	168	270 J	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.55 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	11.4	**22**	1.6 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	6.95	13 J	100	14	13	19 J	41.5	64 J	1.8 U	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	73	146	1300	107	112	275	677.5	1080	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (8)	220 C(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000 N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-635D	SB-636	SB-636	SB-636	SB-636	SB-636	SB-636	SB-636A	SB-636A	SB-636A
SAMPLE ID				F-SB-635D-9	F-SB-636-3	F-SB-636-3-AVG	F-SB-636-3-D	F-SB-636-5	F-SB-636-7	F-SB-636-9	F-SB-636A-3	F-SB-636A-5	F-SB-636A-7
SAMPLE DATE				20091110	20091007	20091007	20091007	20091007	20091019	20091019	20091105	20091105	20091105
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	3	3	3	5	7	9	3	5	7
BOTTOM DEPTH				9	3	3	3	5	7	9	3	5	7
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	**116**	**101**	**86**	**315**	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	**116**	**101**	**86**	**315**	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	65 J	51.5	38 J	**230**	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.6 U	**77**	**65**	**53**	**220**	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	91	85	79	**290**	1.4 U	1.4 U	1.4 U	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	40 J	30	20 J	120	2 U	2 U	2 U	2.1 U	2.1 U
CHRYSENE	22000	15000	C	1.1 U	100 J	76	52 J	210	1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	**17**	**17**	**17**	**29**	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	57	51	45	130	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	447	375.5	304	1229	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	22 U	22 U	22 U	27 J	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	0 U	0 U	27	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-636A	SB-636A	SB-636B	SB-636B	SB-636B	SB-636C	SB-636C	SB-636C	SB-636D	SB-636D
SAMPLE ID			F-SB-636A-7-AVG	F-SB-636A-7-D	F-SB-636B-3	F-SB-636B-5	F-SB-636B-7	F-SB-636C-3	F-SB-636C-5	F-SB-636C-7	F-SB-636D-3	F-SB-636D-5
SAMPLE DATE			20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE			AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			7	7	3	5	7	3	5	7	3	5
BOTTOM DEPTH			7	7	3	5	7	3	5	7	3	5
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	390	38	1.5 U	34	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	390	38	1.5 U	33	1.5 U
BENZO(A)ANTHRACENE	220	150 C	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	310	24	1.1 U	29	1.1 U
BENZO(A)PYRENE	22	15 C	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	260	30	1.5 U	25	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	1.5 U	1.5 U	1.4 U	1.4 U	1.4 U	350	29	1.4 U	35	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.1 U	2.1 U	2 U	2.1 U	2 U	150	14	1.9 U	8.6	2 U
CHRYSENE	22000	15000 C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	270	22	1 U	25	1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	48	1.5 U	1.5 U	1.7 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	140	22	1.7 U	12	1.7 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	1528	141	0 U	134.6	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (8)	220 C(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000 N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-636D	SB-637	SB-637	SB-637B	SB-637B	SB-637B	SB-637B	SB-637C	SB-637C	SB-638
SAMPLE ID				F-SB-636D-7	F-SB-637-3	F-SB-637-5	F-SB-637B-3	F-SB-637B-5	F-SB-637B-5-AVG	F-SB-637B-5-D	F-SB-637C-3	F-SB-637C-5	F-SB-638-3
SAMPLE DATE				20091105	20091007	20091007	20091106	20091106	20091106	20091106	20091106	20091106	20091007
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	3	5	3	5	5	5	3	5	3
BOTTOM DEPTH				7	3	5	3	5	5	5	3	5	3
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	3.7	68	1.5 U	1.6 U	1.55 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	2.0	67	1.5 U	1.6 U	1.55 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	8.9	54	1.1 U	1.2 U	1.15 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	51	1.5 U	1.6 U	1.55 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	11	79	1.4 U	1.5 U	1.45 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	28	2 U	2.1 U	2.05 U	2 U	1.9 U	2 U	2 U
CHRYSENE	22000	15000	C	1.1 U	11	70	1 U	1.1 U	1.05 U	1 U	1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.55 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	27	1.7 U	1.8 U	1.75 U	1.7 U	1.7 U	1.7 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	30.9	309	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	21 U	21 U	NA	NA	NA	NA	NA	NA	20 U
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	0 U	NA	NA	NA	NA	NA	NA	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-638	SB-638	SB-638	SB-639	SB-639
SAMPLE ID				F-SB-638-3-AVG	F-SB-638-3-D	F-SB-638-5	F-SB-639-3	F-SB-639-5
SAMPLE DATE				20091007	20091007	20091007	20091007	20091007
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				3	3	5	3	5
BOTTOM DEPTH				3	3	5	3	5
VOLATILES (UG/KG)								
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.6 U	2.4
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.6 U	0.78
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.5 U	7.8
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	1.9 U	2.1 U	2 U
CHRYSENE	22000	15000	C	1.05 U	1 U	1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.75 U	1.7 U	1.7 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	7.8
PESTICIDES/PCBS (UG/KG)								
AROCLOR-1260	320	220	C	20 U	20 U	19 U	21 U	20 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-640	SB-640	SB-641	SB-641	SB-641A	SB-641B	SB-641C	SB-642	SB-642
SAMPLE ID				F-SB-640-3	F-SB-640-5	F-SB-641-3	F-SB-641-5	F-SB-641A-3	F-SB-641B-3	F-SB-641C-3	F-SB-642-3	F-SB-642-3-AVG
SAMPLE DATE				20091007	20091007	20091006	20091006	20091104	20091104	20091104	20091019	20091019
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	3	5	3	3	3	3	3
BOTTOM DEPTH				3	5	3	5	3	3	3	3	3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	7.4	2.2 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	6.5	2.2 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	4.9 J	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	4.7 J	2.2 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	8.1	1.6 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	1.6 U	1.6 U	2 U	1.9 U	1.9 U	1.9 U	1.9 U
CHRYSENE	22000	15000	C	1.1 U	1.1 U	4.4 J	1.4 U	1.1 U	1 U	1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	5.4 J	0.43 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	27.5	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	20 U	20 U	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-642	SB-642	SB-642	SB-642	SB-642A	SB-642A	SB-642A	SB-642A	SB-642B
SAMPLE ID				F-SB-642-3-D	F-SB-642-5	F-SB-642-7	F-SB-642-9	F-SB-642A-3	F-SB-642A-5	F-SB-642A-7	F-SB-642A-9	F-SB-642B-3
SAMPLE DATE				20091019	20091019	20091019	20091019	20091104	20091104	20091104	20091104	20091104
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	3	5	7	9	3
BOTTOM DEPTH				3	5	7	9	3	5	7	9	3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	28	1.5 U	577	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	27	1.5 U	577	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	19	1.1 U	350	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	21	1.5 U	410	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	26	1.4 U	500	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	12	2 U	220	2 U	2.1 U	2 U	2 U	1.9 U
CHRYSENE	22000	15000	C	1 U	20	1.1 U	350	1 U	1.1 U	1 U	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	54	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	12	1.8 U	250	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	110	0 U	2134	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-642B	SB-642B	SB-642B	SB-642C	SB-642C	SB-642C	SB-642C	SB-642C	SB-642C
SAMPLE ID				F-SB-642B-5	F-SB-642B-7	F-SB-642B-9	F-SB-642C-3	F-SB-642C-5	F-SB-642C-7	F-SB-642C-7-AVG	F-SB-642C-7-D	F-SB-642C-9
SAMPLE DATE				20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5	7	7	7	9
BOTTOM DEPTH				5	7	9	3	5	7	7	7	9
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		201	9.8	1.5 U	1.5 U	1.6 U	1.6 U	1.55 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	201	8.9	1.5 U	1.5 U	1.6 U	1.6 U	1.55 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	130	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	140	7.8	1.5 U	1.5 U	1.6 U	1.6 U	1.55 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	180	11	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	89	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U
CHRYSENE	22000	15000	C	130	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	21	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.55 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	82	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		772	18.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-643	SB-643	SB-643	SB-643	SB-643B	SB-643B	SB-643B	SB-643B	SB-643B
SAMPLE ID				F-SB-643-3	F-SB-643-5	F-SB-643-7	F-SB-643-9	F-SB-643B-3	F-SB-643B-5	F-SB-643B-7	F-SB-643B-7-AVG	F-SB-643B-7-D
SAMPLE DATE				20091016	20091016	20091016	20091016	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	3	5	7	7	7
BOTTOM DEPTH				3	5	7	9	3	5	7	7	7
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.55 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.55 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.15 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.55 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.45 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2.05 U	2 U
CHRYSENE	22000	15000	C	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.55 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	1.9 U	1.85 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-643B	SB-643C	SB-643C	SB-643C	SB-643C	SB-644	SB-644	SB-644	SB-644
SAMPLE ID				F-SB-643B-9	F-SB-643C-3	F-SB-643C-5	F-SB-643C-7	F-SB-643C-9	F-SB-644-3	F-SB-644-3-AVG	F-SB-644-3-D	F-SB-644-5
SAMPLE DATE				20091105	20091105	20091105	20091105	20091105	20091016	20091016	20091016	20091016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	3	5	7	9	3	3	3	5
BOTTOM DEPTH				9	3	5	7	9	3	3	3	5
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.6 U	1.6 U	89	1.6 U	1.55 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	89	1.6 U	1.55 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.2 U	1.1 U	48	1.2 U	1.15 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	51	1.6 U	1.55 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.5 U	1.4 U	75	1.5 U	1.45 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2.1 U	2 U	26	2.1 U	2.05 U	2 U	2 U
CHRYSENE	22000	15000	C	1.1 U	1 U	1.1 U	1.1 U	46	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	23	1.6 U	1.55 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.7 U	1.8 U	1.8 U	28	1.9 U	1.85 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	297	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-644	SB-644	SB-645	SB-645	SB-645	SB-645A	SB-645B	SB-645B	SB-645B
SAMPLE ID					F-SB-644-7	F-SB-644-9	F-SB-645-3	F-SB-645-5	F-SB-645-7	F-SB-645A-3	F-SB-645B-3	F-SB-645B-3-AVG	F-SB-645B-3-D
SAMPLE DATE					20091016	20091016	20091006	20091006	20091006	20091105	20091105	20091105	20091105
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					7	9	3	5	7	3	3	3	3
BOTTOM DEPTH					7	9	3	5	7	3	3	3	3
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC		6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC		78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000		5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000		210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000	[4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000	[4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	[4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC		79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000		120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000		35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800		7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000		99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000		340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22		15		1.5 U	1.7 U	7.0	2.3	2.3	1.5 U	1.5 U	1.55 U	1.6 U
BAP EQUIVALENT-POS	22		15	C	1.5 U	1.7 U	6.1	0.27	0.19	1.5 U	1.5 U	1.55 U	1.6 U
BENZO(A)ANTHRACENE	220		150	C	1.1 U	1.2 U	4.9 J	1.2 U	1.3 U	1.1 U	1.1 U	1.15 U	1.2 U
BENZO(A)PYRENE	22		15	C	1.5 U	1.7 U	4.4 J	2.2 U	2.2 U	1.5 U	1.5 U	1.55 U	1.6 U
BENZO(B)FLUORANTHENE	220		150	C	1.4 U	1.6 U	8.7	1.7 J	1.9 J	1.4 U	1.4 U	1.45 U	1.5 U
BENZO(G,H,I)PERYLENE	230000		170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200		1500	C	2 U	2.2 U	1.7 U	1.6 U	1.7 U	2 U	2 U	2.05 U	2.1 U
CHRYSENE	22000		15000	C	1.1 U	1.2 U	4.3 J	1.4 U	1.4 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22		15	C	1.5 U	1.7 U	1.8 U	1.7 U	1.8 U	1.5 U	1.5 U	1.55 U	1.6 U
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220		150	C	1.8 U	1.9 U	2.9 J	0.96 J	0.44 U	1.8 U	1.8 U	1.85 U	1.9 U
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000		170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000		170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC		NC		0 U	0 U	25.2	2.66	1.9	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320		220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320	[8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1		3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9		7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000	[10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780		780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-645C	SB-646	SB-646	SB-646	SB-646	SB-646	SB-647	SB-647	SB-647
SAMPLE ID				F-SB-645C-3	F-SB-646-3	F-SB-646-3-AVG	F-SB-646-3-D	F-SB-646-5	F-SB-646-7	F-SB-647-3	F-SB-647-5	F-SB-647-7
SAMPLE DATE				20091105	20091006	20091006	20091006	20091006	20091006	20091006	20091006	20091006
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	3	3	3	5	7	3	5	7
BOTTOM DEPTH				3	3	3	3	5	7	3	5	7
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.7 U	2.4 U	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U	2.4 U	2.1 U
BAP EQUIVALENT-POS	22	15	C	1.7 U	2.4 U	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U	2.4 U	2.1 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.4 U	1.3 U	1.2 U	1.3 U	1.2 U	1.3 U	1.3 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.7 U	2.4 U	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U	2.4 U	2.1 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.8 U	1.7 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	1.8 U	1.7 U	1.6 U	1.6 U	1.6 U	1.7 U	1.8 U	1.6 U
CHRYSENE	22000	15000	C	1.2 U	1.5 U	1.45 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.9 U	1.8 U	1.7 U	1.7 U	1.7 U	1.8 U	1.9 U	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	0.48 U	0.455 U	0.43 U	0.43 U	0.43 U	0.45 U	0.46 U	0.42 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-647A	SB-647B	SB-647C	SB-648	SB-648	SB-648	SB-649	SB-649	SB-650
SAMPLE ID				F-SB-647A-3	F-SB-647B-3	F-SB-647C-3	F-SB-648-3	F-SB-648-5	F-SB-648-7	F-SB-649-3	F-SB-649-5	F-SB-650-3
SAMPLE DATE				20091105	20091105	20091105	20091006	20091006	20091006	20091006	20091006	20091006
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	3	3	3	5	7	3	5	3
BOTTOM DEPTH				3	3	3	3	5	7	3	5	3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	59	2.1 U	2.2 U	2.3 U	2.2 U	2.2 U	2.1 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	59	2.1 U	2.2 U	2.3 U	2.2 U	2.2 U	2.1 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	26	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	30	2.1 U	2.2 U	2.3 U	2.2 U	2.2 U	2.1 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	54	1.5 U	1.6 U	1.7 U	1.6 U	1.6 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	15	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.5 U
CHRYSENE	22000	15000	C	1.1 U	1.1 U	31	1.3 U	1.4 U	1.5 U	1.3 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	19	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.8 U	18	0.41 U	0.43 U	0.46 U	0.42 U	0.43 U	0.41 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	193	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-650	SB-650	SB-650	SB-651	SB-651	SB-652	SB-652	SB-652	SB-652
SAMPLE ID				F-SB-650-3-AVG	F-SB-650-3-D	F-SB-650-5	F-SB-651-3	F-SB-651-5	F-SB-652-3	F-SB-652-5	F-SB-652-7	F-SB-652-9
SAMPLE DATE				20091006	20091006	20091006	20091007	20091007	20091007	20091007	20091019	20091019
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	3	5	3	5	3	5	7	9
BOTTOM DEPTH				3	3	5	3	5	3	5	7	9
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2.1 U	2.1 U	2.1 U	1.5 U	1.5 U	33	391	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	2.1 U	2.1 U	2.1 U	1.5 U	1.5 U	33	391	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	23	300	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	2.1 U	2.1 U	2.1 U	1.5 U	1.5 U	25	260	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U	35	330	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.55 U	1.6 U	1.6 U	2 U	2 U	9	150	2 U	2 U
CHRYSENE	22000	15000	C	1.3 U	1.3 U	1.3 U	1.1 U	1 U	25	270	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.65 U	1.7 U	1.7 U	1.5 U	1.5 U	1.6 U	51	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	0.41 U	0.41 U	0.42 U	1.8 U	1.7 U	17	150	1.7 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	134	1511	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	20 U	20 U	20 U	20 U	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	0 U	0 U	0 U	0 U	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-652A	SB-652A	SB-652A	SB-652B	SB-652B	SB-652B	SB-652C	SB-652C	SB-652C
SAMPLE ID				F-SB-652A-3	F-SB-652A-5	F-SB-652A-7	F-SB-652B-3	F-SB-652B-5	F-SB-652B-7	F-SB-652C-3	F-SB-652C-5	F-SB-652C-7
SAMPLE DATE				20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	3	5	7	3	5	7
BOTTOM DEPTH				3	5	7	3	5	7	3	5	7
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.5 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	2.1 U	1.9 U	2 U	2 U	2 U	2 U
CHRYSENE	22000	15000	C	1 U	1.1 U	1.1 U	1.1 U	0.98 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	1.8 U	1.8 U	1.6 U	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-797	SB-797	SB-798	SB-798	SB-798	SB-798	SB-799	SB-799	SB-800
SAMPLE ID				F-SB-797-03	F-SB-797-05	F-SB-798-03	F-SB-798-03-AVG	F-SB-798-03-D	F-SB-798-05	F-SB-799-03	F-SB-799-05	F-SB-800-03
SAMPLE DATE				20100820	20100820	20100820	20100820	20100820	20100820	20100820	20100820	20100910
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	3	3	3	5	3	5	3
BOTTOM DEPTH				3	5	3	3	3	5	3	5	3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	3.7 U	4 U	3.8 U	3.65 U	3.5 U	3.6 U	3.6 U	3.7 U	NA
2-METHYLNAPHTHALENE	31000	31000	N	3.7 U	4 U	3.8 U	3.65 U	3.5 U	3.6 U	3.6 U	3.7 U	NA
ACENAPHTHENE	470000	340000	N	3.7 U	15	3.8 U	3.65 U	3.5 U	3.6 U	3.6 U	3.7 U	NA
ACENAPHTHYLENE	470000	340000	N[6]	3.7 U	4 U	3.8 U	3.65 U	3.5 U	3.6 U	3.6 U	3.7 U	NA
ANTHRACENE	2300000	1700000	N	3.7 U	47	3.8 U	3.65 U	3.5 U	3.6 U	3.6 U	3.7 U	NA
BAP EQUIVALENT-HALFND	22	15		3.7 U	258	21	11	3.5 U	3.6 U	3.6 U	3.7 U	NA
BAP EQUIVALENT-POS	22	15	C	3.7 U	258	19	10	3.5 U	3.6 U	3.6 U	3.7 U	NA
BENZO(A)ANTHRACENE	220	150	C	3.7 U	170	12	6.875	3.5 U	3.6 U	3.6 U	3.7 U	NA
BENZO(A)PYRENE	22	15	C	3.7 U	180	15	8.375	3.5 U	3.6 U	3.6 U	3.7 U	NA
BENZO(B)FLUORANTHENE	220	150	C	3.7 U	200	16	8.875	3.5 U	3.6 U	3.6 U	3.7 U	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	3.7 U	120	11	6.375	3.5 U	3.6 U	3.6 U	3.7 U	NA
BENZO(K)FLUORANTHENE	2200	1500	C	3.7 U	120	10	5.875	3.5 U	3.6 U	3.6 U	3.7 U	NA
CHRYSENE	22000	15000	C	1.2 U	170	14	7.3	1.2 U	1.2 U	1.2 U	1.2 U	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	3.7 U	30	3.8 U	3.65 U	3.5 U	3.6 U	3.6 U	3.7 U	NA
FLUORANTHENE	310000	230000	N	11	400	19	10.375	3.5 U	3.6 U	3.6 U	9.8	NA
FLUORENE	310000	230000	N	3.7 U	26	3.8 U	3.65 U	3.5 U	3.6 U	3.6 U	3.7 U	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	3.7 U	100	8.1	4.925	3.5 U	3.6 U	3.6 U	3.7 U	NA
NAPHTHALENE	160000	3600	C	3.7 U	4 U	3.8 U	3.65 U	3.5 U	3.6 U	3.6 U	3.7 U	NA
PHENANTHRENE	2300000	170000	N[7]	3.7 U	210	9.4	5.575	3.5 U	3.6 U	3.6 U	3.7 U	NA
PYRENE	230000	170000	N	9.1	310	19	10.375	3.5 U	3.6 U	3.6 U	3.7 U	NA
TOTAL PAHS	NC	NC		20.1	2098	133.5	66.75	0 U	0 U	0 U	9.8	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	1.8 L
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-800	SB-800	SB-800	SB-801	SB-801	SB-802	SB-802
SAMPLE ID				F-SB-800-05	F-SB-800-05-AVG	F-SB-800-05-D	F-SB-801-03	F-SB-801-05	F-SB-802-03	F-SB-802-05
SAMPLE DATE				20100910	20100910	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	5	5	3	5	3	5
BOTTOM DEPTH				5	5	5	3	5	3	5
VOLATILES (UG/KG)										
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.017 UR	0.0175 R	0.018 UR	0.68 L	0.018 UR	0.89 L	0.022 UR
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)										
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		MRC-MW46A MRC-MW46[0910] 20050524 NORMAL SO NORMAL SB 9 10	SB-022 SB-22-05 20031117 NORMAL SO NORMAL SB 5 5	SB-022 SB-22-10 20031117 NORMAL SO NORMAL SB 10 10	SB-023 SB-23-05 20031118 NORMAL SO NORMAL SB 5 5	SB-023 SB-23-10 20031118 NORMAL SO NORMAL SB 10 10	SB-024 SB-24-05 20031117 NORMAL SO NORMAL SB 5 5	SB-024 SB-24-10 20031117 NORMAL SO NORMAL SB 10 10	SB-025 SB-25-05 20031117 NORMAL SO NORMAL SB 5 5	SB-025 SB-25-10 20031117 NORMAL SO NORMAL SB 10 10	SB-026 SB-26-10 20031117 NORMAL SO NORMAL SB 10 10
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	7 U
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	7 U
2-BUTANONE	4700000	2800000	N	NA	60 U	60 U	59 U	58 U	62 U	60 U	59 U	59 U	6 J
4-ISOPROPYLTOLUENE	NC	NC		NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	7 U
ACETONE	7000000	6100000	N	NA	40 J	11 J	16 J	9 J	28 J	27 J	59 U	59 U	48 J
ETHYLBENZENE	780000	5400	C	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	7 U
ISOPROPYLBENZENE	780000	210000	N	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	7 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	18 U	18 U	18 U	17 U	19 U	18 U	18 U	18 U	20 U
METHYLENE CHLORIDE	85000	11000	C	NA	6 U	5 J	6 J	5 J	6 U	6 U	5 J	6 J	7 U
NAPHTHALENE	160000	3600	C	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	7 U
N-BUTYLBENZENE	NC	NC		NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	7 U
O-XYLENE	1600000 [4]	380000	N	NA	18 U	18 U	18 U	17 U	19 U	18 U	18 U	18 U	20 U
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	7 U
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
CARBAZOLE	32000	NC		NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
DIBENZOFURAN	7800	7800	N	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
DIMETHYL PHTHALATE	NC	NC		NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
PHENOL	2300000	1800000	N	NA	400 U	390 U	390 U	390 U	420 U	400 U	390 U	400 U	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
ACENAPHTHENE	470000	340000	N	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
ANTHRACENE	2300000	1700000	N	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
BAP EQUIVALENT-HALFND	22	15		NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
BAP EQUIVALENT-POS	22	15	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
BENZO(A)ANTHRACENE	220	150	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
BENZO(A)PYRENE	22	15	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
CHRYSENE	22000	15000	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
FLUORANTHENE	310000	230000	N	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
FLUORENE	310000	230000	N	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
NAPHTHALENE	160000	3600	C	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
PHENANTHRENE	2300000	170000	N[7]	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
PYRENE	230000	170000	N	NA	400 U	390 U	390 U	390 U	390 U	400 U	390 U	400 U	NA
TOTAL PAHS	NC	NC		NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	60 U	59 U	59 U	58 U	62 U	59 U	59 U	59 U	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	3 UL	2.9 UL	3 UL	2.9 UL	3.1 UL	3 UL	2.9 UL	3 UL	NA
ARSENIC	0.43	0.39	C	NA	2.9 L	2.7 L	1.5 L	1 L	3.5 L	2.3 L	0.92 L	1.7 L	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	3 U	2.9 U	3 U	2.9 U	3.1 U	3 U	2.9 U	4.6	NA
CADMIUM	3.9	7	N	NA	3 U	2.9 U	3 U	2.9 U	3.1 U	3 U	2.9 U	3 U	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	13 L	16 L	5.3 L	2.9 UR	13 L	12 L	11 L	16 L	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	10	13	3 U	2.9 U	28	7.8	8	19	NA
LEAD	400	400		NA	10 L	6 L	3 UL	2.9 UL	46 L	12 L	6.6 L	14 L	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	0.12 U	0.12 U	0.12 U	0.12 U	0.94	0.17	0.12 U	0.12 U	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	8.9 L	14 L	3.6 L	2.9 UL	12 L	6.7 L	24 L	46 L	NA
SELENIUM	39	39	N	NA	3 UR	2.9 UR	3 UR	2.9 UR	3.1 UR	3 UR	2.9 UR	3 UR	NA
SILVER	39	39	N	NA	3 U	2.9 U	3 U	2.9 U	3.1 U	3 U	2.9 U	3 U	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	60 UJ	59 UJ	59 UJ	58 UJ	100 J	59 UJ	59 UJ	110 J	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	24000 U	23000 U	24000 U	23000 U	25000 U	24000 U	24000 U	24000 U	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	120 U	120 U	120 U	120 U	120 U	120 U	120 U	120 U	130 U
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	70	85	84	86	80	84	85	84	77
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-027	SB-028	SB-029	SB-030	SB-093	SB-093	SB-093	SB-093	SB-093	SB-093	SB-093
SAMPLE ID					SB-27-10	SB-28-10	SB-29-10	SB-30-05	F-SB-93RE-10	F-SB-93RE-3	F-SB-93RE-4	F-SB-93RE-5	F-SB-93RE-6	F-SB-93RE-7	
SAMPLE DATE					20031117	20031117	20031117	20031118	20090921	20090921	20090921	20090921	20090921	20090921	
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	
TOP DEPTH					10	10	10	5	10	3	4	5	6	7	
BOTTOM DEPTH					10	10	10	5	10	3	4	5	6	7	
VOLATILES (UG/KG)															
1,2,4-TRIMETHYLBENZENE	NC		6200	N	7 U	6 U	7 U	6 U	NA	NA	NA	NA	NA	NA	
1,3,5-TRIMETHYLBENZENE	NC		78000	N	7 U	6 U	7 U	6 U	NA	NA	NA	NA	NA	NA	
2-BUTANONE	4700000		2800000	N	67 U	65 U	9 J	58 U	NA	NA	NA	NA	NA	NA	
4-ISOPROPYLTOLUENE	NC		NC		7 U	6 U	7 U	6 U	NA	NA	NA	NA	NA	NA	
ACETONE	7000000		6100000	N	29 J	14 J	45 J	58 U	NA	NA	NA	NA	NA	NA	
ETHYLBENZENE	780000		5400	C	7 U	6 U	7 U	6 U	NA	NA	NA	NA	NA	NA	
ISOPROPYLBENZENE	780000		210000	N	7 U	6 U	7 U	6 U	NA	NA	NA	NA	NA	NA	
M+P-XYLENES	1600000	[4]	63000	N[5]	20 U	19 U	20 U	17 U	NA	NA	NA	NA	NA	NA	
METHYLENE CHLORIDE	85000		11000	C	7 J	6 J	7 U	6 J	NA	NA	NA	NA	NA	NA	
NAPHTHALENE	160000		3600	C	7 U	6 U	7 U	6 U	NA	NA	NA	NA	NA	NA	
N-BUTYLBENZENE	NC		NC		7 U	6 U	7 U	6 U	NA	NA	NA	NA	NA	NA	
O-XYLENE	1600000	[4]	380000	N	20 U	19 U	20 U	17 U	NA	NA	NA	NA	NA	NA	
TOTAL XYLENES	1600000	[4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TRICHLOROFLUOROMETHANE	NC		79000	N	7 U	6 U	7 U	6 U	NA	NA	NA	NA	NA	NA	
SEMIVOLATILES (UG/KG)															
2,4-DIMETHYLPHENOL	160000		120000	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
BIS(2-ETHYLHEXYL)PHTHALATE	46000		35000	C	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
CARBAZOLE	32000		NC		NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
DIBENZOFURAN	7800		7800	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
DIMETHYL PHTHALATE	NC		NC		NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
N-NITROSODIPHENYLAMINE	130000		99000	C	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
PHENOL	2300000		1800000	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
ACENAPHTHENE	470000		340000	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
ACENAPHTHYLENE	470000		340000	N[6]	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
ANTHRACENE	2300000		1700000	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
BAP EQUIVALENT-HALFND	22		15		NA	NA	NA	380 U	1.5 U	1.5 U	1.5 U	36	1.5 U	1.5 U	
BAP EQUIVALENT-POS	22		15	C	NA	NA	NA	380 U	1.5 U	1.5 U	1.5 U	35	1.5 U	1.5 U	
BENZO(A)ANTHRACENE	220		150	C	NA	NA	NA	380 U	1.1 U	1.1 U	1.1 U	28	1.1 U	1.1 U	
BENZO(A)PYRENE	22		15	C	NA	NA	NA	380 U	1.5 U	1.5 U	1.5 U	26	1.5 U	1.5 U	
BENZO(B)FLUORANTHENE	220		150	C	NA	NA	NA	380 U	1.4 U	1.3 U	1.4 U	40	1.4 U	1.4 U	
BENZO(G,H,I)PERYLENE	230000		170000	N[7]	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
BENZO(K)FLUORANTHENE	2200		1500	C	NA	NA	NA	380 U	2 U	1.9 U	2 U	13	2 U	2 U	
CHRYSENE	22000		15000	C	NA	NA	NA	380 U	1 U	1 U	1.1 U	29	1 U	1.1 U	
DIBENZO(A,H)ANTHRACENE	22		15	C	NA	NA	NA	380 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	
FLUORANTHENE	310000		230000	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
FLUORENE	310000		230000	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
INDENO(1,2,3-CD)PYRENE	220		150	C	NA	NA	NA	380 U	1.7 U	1.7 U	1.8 U	23	1.7 U	1.8 U	
NAPHTHALENE	160000		3600	C	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
PHENANTHRENE	2300000		170000	N[7]	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
PYRENE	230000		170000	N	NA	NA	NA	380 U	NA	NA	NA	NA	NA	NA	
TOTAL PAHS	NC		NC		NA	NA	NA	0 U	0 U	0 U	0 U	159	0 U	0 U	
PESTICIDES/PCBS (UG/KG)															
AROCLOR-1260	320		220	C	NA	NA	NA	58 U	20 U	19 U	20 U	19 U	20 U	20 U	
TOTAL AROCLOR	320	[8]	220	C[9]	NA	NA	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U	
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	NA	NA	NA	2.9 UL	NA	NA	NA	NA	NA	NA	
ARSENIC	0.43		0.39	C	NA	NA	NA	0.99 L	NA	NA	NA	NA	NA	NA	
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
BERYLLIUM	16		16	N	NA	NA	NA	3.2	NA	NA	NA	NA	NA	NA	
CADMIUM	3.9		7	N	NA	NA	NA	2.9 U	NA	NA	NA	NA	NA	NA	
CHROMIUM	12000	[10]	12000	N[13]	NA	NA	NA	19 L	NA	NA	NA	NA	NA	NA	
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
COPPER	310		310	N	NA	NA	NA	21	NA	NA	NA	NA	NA	NA	
LEAD	400		400		NA	NA	NA	7.4 L	NA	NA	NA	NA	NA	NA	
MERCURY	2.3	[11]	2.3	N[12]	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA	NA	
MOLYBDENUM	NC		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
NICKEL	160		150	N	NA	NA	NA	33 L	NA	NA	NA	NA	NA	NA	
SELENIUM	39		39	N	NA	NA	NA	4.4 L	NA	NA	NA	NA	NA	NA	
SILVER	39		39	N	NA	NA	NA	2.9 U	NA	NA	NA	NA	NA	NA	
VANADIUM	7.8		39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
ZINC	2300		2300	N	NA	NA	NA	58 UJ	NA	NA	NA	NA	NA	NA	
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	23000 U	NA	NA	NA	NA	NA	NA	
GASOLINE RANGE ORGANICS	230000		NC		130 U	130 U	130 U	120 U	NA	NA	NA	NA	NA	NA	
TPH (C09-C36)	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MISCELLANEOUS PARAMETERS (%)															
PERCENT SOLIDS	NC		NC		75	77	76	87	NA	NA	NA	NA	NA	NA	
TOTAL SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MISCELLANEOUS PARAMETERS (S.U.)															
PH	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MISCELLANEOUS PARAMETERS (UG/KG)															
MERCURY (METHYL)	780		780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-093	SB-093	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094
SAMPLE ID				F-SB-93RE-8	F-SB-93RE-9	F-SB-94RE-10	F-SB-94RE-3	F-SB-94RE-4	F-SB-94RE-5	F-SB-94RE-6	F-SB-94RE-7	F-SB-94RE-8	F-SB-94RE-9
SAMPLE DATE				20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	9	10	3	4	5	6	7	8	9
BOTTOM DEPTH				8	9	10	3	4	5	6	7	8	9
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	25	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	25	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	12	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	11	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	15	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	2 U	2 U	2 U	9.2	2 U	2 U	2 U
CHRYSENE	22000	15000	C	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	11	1.1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	9.8	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U	10	1.8 U	1.7 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	78	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-096	SB-096
SAMPLE ID				F-SB-95RE-10	F-SB-95RE-3	F-SB-95RE-4	F-SB-95RE-5	F-SB-95RE-6	F-SB-95RE-7	F-SB-95RE-8	F-SB-95RE-9	F-SB-96RE-10	F-SB-96RE-3
SAMPLE DATE				20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090921	20090921
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				10	3	4	5	6	7	8	9	10	3
BOTTOM DEPTH				10	3	4	5	6	7	8	9	10	3
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		29	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	71	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	28	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	71	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	20	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	52	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	21	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	54	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	28	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	67	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	11	2 U	2 U	2 U	2 U	2.1 U	2 U	32	2 U	2 U
CHRYSENE	22000	15000	C	20	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	48	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	23	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	43	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		123	0 U	0 U	0 U	0 U	0 U	0 U	296	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-16
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block F
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-096 F-SB-96RE-4 20090921 NORMAL SO NORMAL SB 4 4	SB-096 F-SB-96RE-5 20090921 NORMAL SO NORMAL SB 5 5	SB-096 F-SB-96RE-6 20090921 NORMAL SO NORMAL SB 6 6	SB-096 F-SB-96RE-7 20090921 NORMAL SO NORMAL SB 7 7	SB-096 F-SB-96RE-8 20090921 NORMAL SO NORMAL SB 8 8	SB-096 F-SB-96RE-9 20090921 NORMAL SO NORMAL SB 9 9	SB-236 SB-236-05 20050509 NORMAL SO NORMAL SB 5 5	SB-237 SB-237-05 20050509 NORMAL SO NORMAL SB 5 5	SB-238 SB-238-05 20050517 NORMAL SO NORMAL SB 5 5	SB-295 SB-295-0405 20051101 NORMAL SO NORMAL SB 4 5
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	658	6 UJ
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	139 J	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	2590 U	31 UR
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	165 J	6 UJ
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	2590 UR	21 J
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	394	6 UJ
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	83.1 J	6 UJ
M+P-XYLENES	1600000 [4]	63000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	270 J	12 UJ
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	147 J	11 B
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	159000	6 UJ
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	125 J	6 UJ
O-XYLENE	1600000 [4]	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	186 J	6 UJ
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	456 J	18 UJ
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	259 U	2 J
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000 N	NA	NA	NA	NA	NA	NA	NA	NA	68 J	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA	NA	85 U	400 U
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	5690	400 U
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	3980	400 U
DIMETHYL PHTHALATE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	81 J	400 U
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	412 U	400 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	3420	400 U
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	6900	400 U
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	6960	400 U
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	69 J	400 U
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	2510	400 U
BAP EQUIVALENT-HALFND	22	15	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	18	NA	NA	2963	400 U
BAP EQUIVALENT-POS	22	15 C	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	17	NA	NA	2963	400 U
BENZO(A)ANTHRACENE	220	150 C	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	12	NA	NA	2700	400 U
BENZO(A)PYRENE	22	15 C	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	13	NA	NA	1960	400 U
BENZO(B)FLUORANTHENE	220	150 C	1.6 U	1.4 U	1.4 U	1.4 U	1.4 U	18	NA	NA	2080	400 U
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	1240 J	400 U
BENZO(K)FLUORANTHENE	2200	1500 C	2.2 U	2 U	2 U	2 U	2 U	9.2	NA	NA	2010	400 U
CHRYSENE	22000	15000 C	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	14	NA	NA	1800	400 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	NA	NA	392 J	400 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	10000	400 U
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	6330	400 U
INDENO(1,2,3-CD)PYRENE	220	150 C	2 U	1.8 U	1.8 U	1.8 U	1.8 U	9.1	NA	NA	1110 J	400 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	31000	400 U
PHENANTHRENE	2300000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	18600	400 U
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	7570	400 U
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	75.3	NA	NA	103231	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	39 U	21 U
TOTAL AROCLOR	320 [8]	220 C[9]	NA	NA	NA	NA	NA	NA	NA	NA	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	2 L	0.3 UL	0.3 L	0.67 U
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	7	2 B	3	4.6
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	103	35	24	22.8
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	0.6	3.2	2	0.96
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	0.5	0.3	0.5	0.36 U
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	20.6	24.6	23.9	25.1
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	6.2	8	14.8	3.2 B
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	38	11	14	14.6
LEAD	400	400	NA	NA	NA	NA	NA	NA	81	11	14	8
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	0.97 L	0.01	0.07	0.01
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	0.6 B	0.5 U	0.7 B	0.41 K
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	17	23	27	9.7
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	3	2 U	2 U	0.59 U
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	2.3	0.05 U	0.05 U	0.72
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	26.9	35.1	34.1	40.4
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	131	41	57	27.1
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	881000	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	21200	2800 U
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	6100 U
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	81
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	7.7	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780 N	NA	NA	NA	NA	NA	NA	1.21 J	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-295	SB-296	SB-296	SB-297	SB-297	SB-298	SB-298	SB-299	SB-299	SB-382
SAMPLE ID				SB-295-0910	SB-296-0405	SB-296-0910	SB-297-0405	SB-297-0910	SB-298-0405	SB-298-0910	SB-299-0405	SB-299-0910	SB-382-0203
SAMPLE DATE				20051101	20051028	20051028	20051028	20051028	20051101	20051101	20051101	20051101	20071015
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	4	9	4	9	4	9	4	9	2
BOTTOM DEPTH				10	5	10	5	10	5	10	5	10	3
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	30 UR	31 UR	30 UR	28 UR	30 UR	30 UR	30 UR	29 UR	29 UR	NA
4-ISOPROPYLTOLUENE	NC	NC		6 U	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA
ACETONE	7000000	6100000	N	14 J	29 J	14 J	37 L	36 L	29 B	16 B	29 UR	16 B	NA
ETHYLBENZENE	780000	5400	C	6 U	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA
ISOPROPYLBENZENE	780000	210000	N	6 U	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	12 U	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA
METHYLENE CHLORIDE	85000	11000	C	8 B	8 B	6 B	7 B	8 B	6 U	6 U	6 UJ	7 B	NA
NAPHTHALENE	160000	3600	C	6 U	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA
N-BUTYLBENZENE	NC	NC		6 U	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA
O-XYLENE	1600000 [4]	380000	N	6 U	6 UJ	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	NA
TOTAL XYLENES	1600000 [4]	63000	N	18 U	19 UJ	18 U	17 U	18 U	18 U	18 U	17 UJ	18 U	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	12 U	12 UJ	12 U	11 U	12 U	12 U	12 U	12 UJ	12 U	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	390 U	410 U	190 J	380 U	390 U	390 U	400 U	380 U	390 U	NA
CARBAZOLE	32000	NC		390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
DIBENZOFURAN	7800	7800	N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
DIMETHYL PHTHALATE	NC	NC		390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 UR	390 U	NA
PHENOL	2300000	1800000	N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
2-METHYLNAPHTHALENE	31000	31000	N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
ACENAPHTHENE	470000	340000	N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
ACENAPHTHYLENE	470000	340000	N[6]	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
ANTHRACENE	2300000	1700000	N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
BAP EQUIVALENT-HALFND	22	15		390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	1.7 U
BAP EQUIVALENT-POS	22	15	C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	1.7 U
BENZO(A)ANTHRACENE	220	150	C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
BENZO(A)PYRENE	22	15	C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	1.7 U
BENZO(B)FLUORANTHENE	220	150	C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
BENZO(K)FLUORANTHENE	2200	1500	C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
CHRYSENE	22000	15000	C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
FLUORANTHENE	310000	230000	N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
FLUORENE	310000	230000	N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
NAPHTHALENE	160000	3600	C	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
PHENANTHRENE	2300000	170000	N[7]	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
PYRENE	230000	170000	N	390 U	410 U	390 U	380 U	390 U	390 U	400 U	380 U	390 U	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	20 U	21 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	43 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.78 U	0.91 U	0.74 U	0.79 U	0.82 U	0.64 UL	0.78 UL	0.74 UL	0.84 UL	NA
ARSENIC	0.43	0.39	C	**2.9 K**	**5.7**	**2.4 K**	**3.3**	**3 K**	**3.5**	**2 K**	**1.3 K**	**2.2 K**	NA
BARIUM	1600	1500	N	15.1	14.5	13.7	16.3	22.3	17.7	19.6	12.5	42.2	NA
BERYLLIUM	16	16	N	3.2	3.6	3.6	3.1	3.7	4.3	3.8	1.8	2.6	NA
CADMIUM	3.9	7	N	0.41 U	0.48 U	0.39 U	0.42 U	0.44 U	0.06 U	0.08 U	0.07 U	0.08 U	NA
CHROMIUM	12000 [10]	12000	N[10]	29	38.7	21.1	26.1	19.2	16.3 K	39.4 K	18.6 K	16 K	NA
COBALT	NC	2.3	N	**8.5 K**	**32.3**	**6 K**	**6 K**	**8.7 K**	**8**	**5.3**	**11**	**9.3**	NA
COPPER	310	310	N	17.5	40.4	21.9	21.9	15.9	18	11.6	10.9	11.2	NA
LEAD	400	400		8.7	9.9	7.6	8.3	8.5	8.4	10.4	4	11.2	NA
MERCURY	2.3 [11]	2.3	N[12]	0.01 U	0.02	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 B	NA
MOLYBDENUM	NC	39	N	0.44 K	0.55 K	0.36 U	0.43 K	0.45 K	0.32	0.35	0.18 U	0.2 U	NA
NICKEL	160	150	N	24.3	31.4	21.3	24	25.4	23.3	17.8	13.7	18.1	NA
SELENIUM	39	39	N	0.68 U	0.8 U	0.65 U	0.69 U	0.72 U	0.56 UL	0.69 UL	0.65 UL	0.73 UL	NA
SILVER	39	39	N	0.99	1.6	1.2	0.84 U	0.88 U	0.08 U	0.07 U	0.09 U	0.11 U	NA
VANADIUM	7.8	39	N[13]	**32.5**	**61.6**	**32.8**	**35.3**	**31.8**	**28.4**	**46.4**	**27.2**	**20.7**	NA
ZINC	2300	2300	N	32.2	58	26.8	24.1	33.2	34.7	30.8	40.9	42.7	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		2600 U	2600 U	2800 U	2800 U	2700 U	2800 U	2900 U	2700 U	2800 U	NA
TPH (C09-C36)	NC	NC		6000 U	4900 J	5900 U	3500 J	3800 J	3600 B	2800 B	2900 B	2900 B	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	76.2
TOTAL SOLIDS	NC	NC		84	80	84	88	84	84	83	86	85	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-382	SB-382	SB-383	SB-383	SB-383	SB-384	SB-384	SB-384	SB-385	SB-385
SAMPLE ID				SB-382-0405	SB-382-0708	SB-383-0203	SB-383-0405	SB-383-0708	SB-384-0203	SB-384-0405	SB-384-0708	SB-385-0203	SB-385-0405
SAMPLE DATE				20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH				5	8	3	5	8	3	5	8	3	5
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	51	38	10	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	51	38	10	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	51 J	38 J	10 J	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	51	38	10	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	41 U	42 U	38 U	42 U	40 U	38 U	39 U	43 U	36 U	36 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		80.4	79.2	87.2	79.2	83.1	86	84.6	76.6	91	93
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-385	SB-386	SB-386	SB-386	SB-387	SB-387	SB-387	SB-388	SB-388	SB-388
SAMPLE ID				SB-385-0708	SB-386-0203	SB-386-0405	SB-386-0708	SB-387-0203	SB-387-0405	SB-387-0708	SB-388-0203	SB-388-0405	SB-388-0708
SAMPLE DATE				20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH				8	3	5	8	3	5	8	3	5	8
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.4 U	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	39 U	37 U	37 U	39 U	36 U	39 U	37 U	38 U	36 U	37 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		84.7	89.2	89.5	84.1	91.4	84.4	88.8	87.6	90.8	90.3
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-389	SB-389	SB-389
SAMPLE ID				SB-389-0203	SB-389-0405	SB-389-0708
SAMPLE DATE				20071015	20071015	20071015
SAMPLE CODE				NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB
TOP DEPTH				2	4	7
BOTTOM DEPTH				3	5	8
VOLATILES (UG/KG)						
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA
SEMIVOLATILES (UG/KG)						
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	33	9.7
BAP EQUIVALENT-POS	22	15	C	1.5 U	33	9.7
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	33 J	9.7 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	33	9.7
PESTICIDES/PCBS (UG/KG)						
AROCLOR-1260	320	220	C	39 U	38 U	38 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U
METALS (MG/KG)						
ANTIMONY	3.1	3.1	N	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[13]	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA
COPPER	310	310	N	NA	NA	NA
LEAD	400	400		NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA
SILVER	39	39	N	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC		85	87.5	86.4
TOTAL SOLIDS	NC	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)						
PH	NC	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	780	780	N	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-050	SB-050	SB-055	SB-055	SB-056	SB-056	SB-093	SB-093	SB-094
SAMPLE ID				SB-50-05	SB-50-10	SB-55-05	SB-55-10	SB-56-05	SB-56-10	SB-93-05	SB-93-10	SB-94-05
SAMPLE DATE				20040915	20040915	20040915	20040915	20040913	20040913	20040916	20040916	20040916
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	10	5	10	5	10	5	10	5
BOTTOM DEPTH				5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
2-BUTANONE	4700000	2800000	N	NA	NA	61 U	62 U	57 U	58 U	60 U	59 U	59 U
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
ACETONE	7000000	6100000	N	NA	NA	61 UJ	62 UJ	57 UJ	58 UJ	60 U	59 U	59 U
ETHYLBENZENE	780000	5400	C	NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	12 U	12 U	11 U	12 U	12 U	12 U	12 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	7 B	6 U	6 U	6 U	6 U	6 U	6 U
NAPHTHALENE	160000	3600	C	NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
N-BUTYLBENZENE	NC	NC		NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
O-XYLENE	1600000 [4]	380000	N	NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	6 U	6 U	6 U	6 U	6 U	6 U	6 U
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	400 U
CARBAZOLE	32000	NC		NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	200 J
DIBENZOFURAN	7800	7800	N	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	73 J
DIMETHYL PHTHALATE	NC	NC		NA	NA	410 U	310 J	380 U	390 U	400 U	390 U	400 U
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	400 U
PHENOL	2300000	1800000	N	NA	NA	480	420 U	910	730	400 U	390 U	400 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	400 U
ACENAPHTHENE	470000	340000	N	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	110 J
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	400 U
ANTHRACENE	2300000	1700000	N	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	270 J
BAP EQUIVALENT-HALFND	22	15		NA	NA	410 U	**464**	380 U	390 U	400 U	390 U	**847**
BAP EQUIVALENT-POS	22	15	C	NA	NA	410 U	**254**	380 U	390 U	400 U	390 U	**647**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	410 U	**220 J**	380 U	390 U	400 U	390 U	**620**
BENZO(A)PYRENE	22	15	C	NA	NA	410 U	**200 J**	380 U	390 U	400 U	390 U	**490**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	410 U	**190 J**	380 U	390 U	400 U	390 U	**630**
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	410 U	140 J	380 U	390 U	400 U	390 U	280 J
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	410 U	160 J	380 U	390 U	400 U	390 U	450
CHRYSENE	22000	15000	C	NA	NA	410 U	250 J	380 U	390 U	400 U	390 U	660
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	400 U
FLUORANTHENE	310000	230000	N	NA	NA	410 U	490	380 U	390 U	400 U	390 U	1500
FLUORENE	310000	230000	N	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	110 J
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	410 U	110 J	380 U	390 U	400 U	390 U	**270 J**
NAPHTHALENE	160000	3600	C	NA	NA	410 U	420 U	380 U	390 U	400 U	390 U	400 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	410 U	190 J	380 U	390 U	400 U	390 U	1200
PYRENE	230000	170000	N	NA	NA	410 U	370 J	380 U	390 U	400 U	390 U	1100
TOTAL PAHS	NC	NC		NA	NA	0 U	2320	0 U	0 U	0 U	0 U	7690
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	300 U	310 U	280 U	280 U	290 U	290 U	290 U
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	2.8 U	2.7 U	2.8 U	2.8 UR	2.6 UR	2.9 UR	3 UR	2.8 UR	2.9 UR
ARSENIC	0.43	0.39	C	**0.96**	**1.2**	**1.9**	**0.58 L**	0.53 UL	0.58 UL	0.59 UL	0.56 UL	0.58 UL
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	2.8 U	2.7 U	6.2	2.8 U	2.6 U	2.9 U	3 UL	2.8 UL	3.2 L
CADMIUM	3.9	7	N	2.8 U	2.7 U	2.8 U	2.8 UL	2.6 UL	2.9 UL	3 UL	2.8 UL	2.9 UL
CHROMIUM	12000 [10]	12000	N[10]	13	5.8	15	8.4 L	15 L	10 L	20	9.9 K	14
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	8.7	10	56	12	10	4.7 K	13 L	10 L	21 L
LEAD	400	400		6.7	4.8	8.4	5.2 J	3.2 J	2.9 UJ	8.7 L	2.9 L	6.7 L
MERCURY	2.3 [11]	2.3	N[12]	0.11 U	0.11 U	0.11 U	0.11 UL	0.11 UL	0.12 UL	0.12 U	0.11 U	0.12 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	18	28	150	11	11	5.3 K	17	4 K	12
SELENIUM	39	39	N	2.8 U	2.7 U	2.8	2.8 UL	2.6 UL	2.9 UL	4.3 L	2.8 UL	4.2 L
SILVER	39	39	N	2.6 U	2.5 U	3 UL	2.8 UR	2.6 UR	2.9 UR	3 UR	2.8 UR	2.9 UR
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	43 K	140	270	62 J	26 UL	29 UL	30 U	28 U	29 U
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	12000 U	12000 U	11000 U	11000 U	12000 U	12000 U	17000
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	120 U	120 U	110 U	110 U	120 U	120 U	120 U
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-094	SB-095	SB-095	SB-096	SB-096	SB-390	SB-390	SB-390	SB-391
SAMPLE ID					SB-94-10	SB-95-05	SB-95-10	SB-96-05	SB-96-10	SB-390-0203	SB-390-0405	SB-390-0708	SB-391-0203
SAMPLE DATE					20040916	20040916	20040916	20040916	20040916	20071015	20071015	20071015	20071016
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					10	5	10	5	10	2	4	7	2
BOTTOM DEPTH					10	5	10	5	10	3	5	8	3
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC		6200	N	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC		78000	N	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	57 U	60 U	58 U	58 U	58 U	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC		NC		6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
ACETONE	7000000		6100000	N	57 U	60 U	58 U	58 U	58 U	NA	NA	NA	NA
ETHYLBENZENE	780000		5400	C	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
ISOPROPYLBENZENE	780000		210000	N	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
M+P-XYLENES	1600000	[4]	63000	N[5]	11 U	12 U	12 U	12 U	12 U	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
N-BUTYLBENZENE	NC		NC		6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
O-XYLENE	1600000	[4]	380000	N	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
TOTAL XYLENES	1600000	[4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC		79000	N	6 U	6 U	6 U	6 U	6 U	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000		120000	N	390 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000		35000	C	390 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
CARBAZOLE	32000		NC		380 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DIBENZOFURAN	7800		7800	N	130 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC		NC		390 U	400 U	77 J	390 U	400 U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000		99000	C	390 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
PHENOL	2300000		1800000	N	390 U	140 J	390 U	390 U	400 U	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	390 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
ACENAPHTHENE	470000		340000	N	190 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
ACENAPHTHYLENE	470000		340000	N[6]	390 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
ANTHRACENE	2300000		1700000	N	430	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22		15		**1435**	400 U	390 U	390 U	400 U	1.7 U	**990**	1.6 U	2 U
BAP EQUIVALENT-POS	22		15	C	**1240**	400 U	390 U	390 U	400 U	1.7 U	**990**	1.6 U	2 U
BENZO(A)ANTHRACENE	220		150	C	**1200**	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BENZO(A)PYRENE	22		15	C	**950**	400 U	390 U	390 U	400 U	1.7 U	**990**	1.6 U	2 U
BENZO(B)FLUORANTHENE	220		150	C	**1000**	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000		170000	N[7]	600 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200		1500	C	940	400 U	390 U	390 U	400 U	NA	NA	NA	NA
CHRYSENE	22000		15000	C	1200	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22		15	C	390 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
FLUORANTHENE	310000		230000	N	2700	400 U	390 U	390 U	400 U	NA	NA	NA	NA
FLUORENE	310000		230000	N	200 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220		150	C	**590**	400 U	390 U	390 U	400 U	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	58 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
PHENANTHRENE	2300000		170000	N[7]	2200	400 U	390 U	390 U	400 U	NA	NA	NA	NA
PYRENE	230000		170000	N	1900	400 U	390 U	390 U	400 U	NA	NA	NA	NA
TOTAL PAHS	NC		NC		14158	0 U	0 U	0 U	0 U	0 U	990	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320		220	C	290 U	300 U	290 U	290 U	290 U	42 U	40 U	40 U	50 U
TOTAL AROCLOR	320	[8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1		3.1	N	2.8 UR	2.9 UR	2.9 UR	2.6 UR	3 UR	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	0.55 UL	0.58 UL	0.59 UL	0.52 UL	0.59 UL	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	2.8 UL	5.2 L	2.9 UL	2.6 UL	4.1 L	NA	NA	NA	NA
CADMIUM	3.9		7	N	2.8 UL	2.9 UL	2.9 UL	2.6 UL	3 UL	NA	NA	NA	NA
CHROMIUM	12000	[10]	12000	N[10]	20	19	9.6 K	2.6 U	17	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	11 L	24 L	5.5 L	4.3 L	13 L	NA	NA	NA	NA
LEAD	400		400		17 L	5.2 L	3.2 L	2.6 UL	4.3 L	NA	NA	NA	NA
MERCURY	2.3	[11]	2.3	N[12]	0.11 U	0.12 U	0.12 U	0.1 U	0.12 U	NA	NA	NA	NA
MOLYBDENUM	NC		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	21	21	8.4	2.6 U	22	NA	NA	NA	NA
SELENIUM	39		39	N	2.8 UL	2.9 UL	2.9 UL	2.6 UL	3 UL	NA	NA	NA	NA
SILVER	39		39	N	2.8 UR	2.9 UR	2.9 UR	2.6 UR	3 UR	NA	NA	NA	NA
VANADIUM	7.8		39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	33 K	29 U	29 U	26 U	30 U	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000		NC		12000 U	12000 U	12000 U	12000 U	12000	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		120 U	120 U	120 U	120 U	120 U	NA	NA	NA	NA
TPH (C09-C36)	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC		NC		NA	NA	NA	NA	NA	78.4	82.8	82.3	65.8
TOTAL SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780		780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-391	SB-391	SB-392	SB-392	SB-392	SB-393	SB-393	SB-393	SB-394
SAMPLE ID				SB-391-0405	SB-391-0708	SB-392-0203	SB-392-0405	SB-392-0708	SB-393-0203	SB-393-0405	SB-393-0708	SB-394-0203
SAMPLE DATE				20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	7	2	4	7	2	4	7	2
BOTTOM DEPTH				5	8	3	5	8	3	5	8	3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	20	1.5 U	1.4 U	7.5	1.5 U	25
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	20	1.5 U	1.4 U	7.5	1.5 U	25
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	20 J	1.5 U	1.4 U	7.5 J	1.5 U	25 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	20	0 U	0 U	7.5	0 U	25
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	38 U	39 U	37 U	39 U	39 U	36 U	35 U	38 U	36 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		87	85.3	89.3	84.9	84.4	92.6	93.5	86.9	90.6
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-394	SB-394	SB-395	SB-395	SB-395	SB-396	SB-396	SB-396	SB-397
SAMPLE ID					SB-394-0405	SB-394-0708	SB-395-0203	SB-395-0405	SB-395-0708	SB-396-0203	SB-396-0405	SB-396-0708	SB-397-0203
SAMPLE DATE					20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					4	7	2	4	7	2	4	7	2
BOTTOM DEPTH					5	8	3	5	8	3	5	8	3
VOLATILES (UG/KG)													
1,2,4-TRIMETHYLBENZENE	NC		6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC		78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000		5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000		210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000	[4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000	[4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000	[4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC		79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
2,4-DIMETHYLPHENOL	160000		120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000		35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800		7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000		99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000		340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22		15		1.5 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22		15	C	1.5 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220		150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22		15	C	1.5 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 UJ
BENZO(B)FLUORANTHENE	220		150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000		170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200		1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22		15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220		150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000		170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000		170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC		NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320		220	C	38 U	38 U	34 U	38 U	38 U	38 U	39 U	39 U	37 U
TOTAL AROCLOR	320	[8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1		3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9		7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000	[10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC		NC		86.7	86.2	95.9	86.9	87	86	84.8	83.8	89.4
TOTAL SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)													
MERCURY (METHYL)	780		780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-397	SB-397	SB-398	SB-398	SB-398	SB-399	SB-399	SB-399	SB-400
SAMPLE ID				SB-397-0405	SB-397-0708	SB-398-0203	SB-398-0405	SB-398-0708	SB-399-0203	SB-399-0405	SB-399-0708	SB-400-0203
SAMPLE DATE				20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	7	2	4	7	2	4	7	2
BOTTOM DEPTH				5	8	3	5	8	3	5	8	3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**850**	1.5 U	**33**	1.5 U	1.5 U	1.4 U	**22**	1.6 U	1.4 U
BAP EQUIVALENT-POS	22	15	C	**850**	1.5 U	**33**	1.5 U	1.5 U	1.4 U	**22**	1.6 U	1.4 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**850**	1.5 U	**33 J**	1.5 U	1.5 U	1.4 U	**22 J**	1.6 U	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		850	0 U	33	0 U	0 U	0 U	22	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	19 J	39 U	38 U	37 U	38 U	37 U	39 U	40 U	36 U
TOTAL AROCLOR	320 [8]	220	C[9]	19	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		95.1	85.2	86	89.4	86.3	89.9	84.5	83.3	92.1
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-400	SB-400	SB-401	SB-401	SB-401	SB-402	SB-402	SB-402	SB-403
SAMPLE ID				SB-400-0405	SB-400-0708	SB-401-0203	SB-401-0405	SB-401-0708	SB-402-0203	SB-402-0405	SB-402-0708	SB-403-0203
SAMPLE DATE				20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	7	2	4	7	2	4	7	2
BOTTOM DEPTH				5	8	3	5	8	3	5	8	3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	39 U	41 U	37 U	40 U	38 U	39 U	39 U	39 U	37 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		84.1	80.3	88.3	83.1	86	84.7	83.6	84.1	88.4
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-403	SB-403	SB-404	SB-404	SB-404	SB-405	SB-405	SB-405	SB-406
SAMPLE ID				SB-403-0405	SB-403-0708	SB-404-0203	SB-404-0405	SB-404-0708	SB-405-0203	SB-405-0405	SB-405-0708	SB-406-0203
SAMPLE DATE				20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	7	2	4	7	2	4	7	2
BOTTOM DEPTH				5	8	3	5	8	3	5	8	3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	1.6 U	18	72	1.4 U	330	230	320
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	1.6 U	18	72	1.4 U	330	230	320
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	1.6 U	18 J	72 J	1.4 U	330 J	230 J	320 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	18	72	0 U	330	230	320
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	39 U	40 U	41 U	42 U	43 U	37 U	40 U	43 U	21 J
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	21
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		84.7	83.5	81.2	78	76.5	90.3	83.3	77.4	87.5
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-406	SB-406	SB-407	SB-407	SB-407	SB-408	SB-408	SB-408	SB-409
SAMPLE ID				SB-406-0405	SB-406-0708	SB-407-0203	SB-407-0405	SB-407-0708	SB-408-0203	SB-408-0405	SB-408-0708	SB-409-0203
SAMPLE DATE				20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	7	2	4	7	2	4	7	2
BOTTOM DEPTH				5	8	3	5	8	3	5	8	3
VOLATILES (UG/KG)												
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
2,4-DIMETHYLPHENOL	160000	120000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		62	85	190	110	30	50	12	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	62	85	190	110	30	50	12	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	62 J	85 J	190 J	110 J	30 J	50 J	12 J	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		62	85	190	110	30	50	12	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	41 U	42 U	42 U	45 U	45 U	39 U	15 J	41 U	40 U
TOTAL AROCLOR	320 [8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	0 U	15	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		79.9	78.3	78.1	73.7	72.7	83.8	86.1	81.1	81.6
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)												
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-409	SB-409	SB-489	SB-489	SB-489	SB-490	SB-490
SAMPLE ID			SB-409-0405	SB-409-0708	SB-489-0203	SB-489-0405	SB-489-0708	SB-490-0405	SB-490-0708
SAMPLE DATE			20071016	20071016	20071016	20071016	20071016	20071017	20071017
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	7	2	4	7	4	7
BOTTOM DEPTH			5	8	3	5	8	5	8
VOLATILES (UG/KG)									
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NC	NC	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
2,4-DIMETHYLPHENOL	160000	120000 N	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	46000	35000 C	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NC	NC	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(6)	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	67	1.8 U	260	9.8	21	110	31
BAP EQUIVALENT-POS	22	15 C	67	1.8 U	260	9.8	21	110	31
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	67 J	1.8 U	260 J	9.8 J	21 J	110 J	31 J
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	67	0 U	260	9.8	21	110	31
PESTICIDES/PCBS (UG/KG)									
AROCLOR-1260	320	220 C	42 U	45 U	43 U	42 U	45 U	42 U	38 U
TOTAL AROCLOR	320 (8)	220 C(9)	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)									
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (10)	12000 N(10)	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (11)	2.3 N(12)	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(13)	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NC	NC	78.5	73.5	76.3	79.3	73.3	79.4	86.6
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	780	780 N	NA	NA	NA	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value is for xylenes.
5 - The value is for xylene, mixture.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - The value is for PCB (total).
9 - The value is for polychlorinated biphenyls (high risk).
10 - The value is for trivalent chromium.
11 - The value is for mercury (inorganic/mercuric dichloride).
12 - The value is for mercuric chloride.
13 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-194	SB-194	SB-198	SB-198	SB-254	SB-254	SB-255	SB-255	SB-257RE	SB-257RE	SB-653
SAMPLE ID	G-SB-194RE-1	G-SB-194RE-2	G-SB-198RE-1	G-SB-198RE-2	G-SB-254RE-1	G-SB-254RE-2	G-SB-255RE-1	G-SB-255RE-2	G-SB-257RE-1	G-SB-257RE-2	G-SB-653-1
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091001	20091001	20091002	20091002	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1	2	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-194	SB-194	SB-198	SB-198	SB-254	SB-254	SB-255	SB-255	SB-257RE	SB-257RE	SB-653
SAMPLE ID	G-SB-194RE-1	G-SB-194RE-2	G-SB-198RE-1	G-SB-198RE-2	G-SB-254RE-1	G-SB-254RE-2	G-SB-255RE-1	G-SB-255RE-2	G-SB-257RE-1	G-SB-257RE-2	G-SB-653-1
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091001	20091001	20091002	20091002	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1	2	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1192	4.2	163	228	30	41	720	74	32	1.5 U	144
BAP EQUIVALENT-POS	1192	2.7	163	228	30	41	720	74	31	1.5 U	144
BENZO(A)ANTHRACENE	780	1.1 U	84	140	13	17	330	31	25	1.1 U	80
BENZO(A)PYRENE	800	1.5 U	100	150	11	18	490	42	24	1.5 U	86
BENZO(B)FLUORANTHENE	1000	8.5	120	170	21	29	560	50	27	1.4 U	96
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	340	2 U	53	70	1.9 U	9.3	190	16	15	1.9 U	40
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	860	7.8	89	130	18	16	390	36	29	1 U	79
DIBENZO(A,H)ANTHRACENE	160	1.5 U	34	37	14	16	110	20	1.5 U	1.5 U	34
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-194	SB-194	SB-198	SB-198	SB-254	SB-254	SB-255	SB-255	SB-257RE	SB-257RE	SB-653
SAMPLE ID	G-SB-194RE-1	G-SB-194RE-2	G-SB-198RE-1	G-SB-198RE-2	G-SB-254RE-1	G-SB-254RE-2	G-SB-255RE-1	G-SB-255RE-2	G-SB-257RE-1	G-SB-257RE-2	G-SB-653-1
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091001	20091001	20091002	20091002	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1	2	1
INDENO(1,2,3-CD)PYRENE	500	18	75	87	19	23	290	39	14	1.7 U	62
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	4440	34.3	555	784	96	128.3	2360	234	134	0 U	477
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-194	SB-194	SB-198	SB-198	SB-254	SB-254	SB-255	SB-255	SB-257RE	SB-257RE	SB-653
SAMPLE ID	G-SB-194RE-1	G-SB-194RE-2	G-SB-198RE-1	G-SB-198RE-2	G-SB-254RE-1	G-SB-254RE-2	G-SB-255RE-1	G-SB-255RE-2	G-SB-257RE-1	G-SB-257RE-2	G-SB-653-1
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091001	20091001	20091002	20091002	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1	2	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653	SB-653A	SB-653B	SB-653D	SB-654	SB-654	SB-654B	SB-654C	SB-655	SB-655	SB-656
SAMPLE ID	G-SB-653-2	G-SB-653A-1	G-SB-653B-1	G-SB-653D-1	G-SB-654-1	G-SB-654-2	G-SB-654B-1	G-SB-654C-1	G-SB-655-1	G-SB-655-2	G-SB-656-1
SAMPLE DATE	20090930	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH	2	1	1	1	1	2	1	1	1	2	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653	SB-653A	SB-653B	SB-653D	SB-654	SB-654	SB-654B	SB-654C	SB-655	SB-655	SB-656
SAMPLE ID	G-SB-653-2	G-SB-653A-1	G-SB-653B-1	G-SB-653D-1	G-SB-654-1	G-SB-654-2	G-SB-654B-1	G-SB-654C-1	G-SB-655-1	G-SB-655-2	G-SB-656-1
SAMPLE DATE	20090930	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH	2	1	1	1	1	2	1	1	1	2	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	396	368	174	46	65	399	98	52	55	12	76
BAP EQUIVALENT-POS	396	368	174	45	64	399	98	52	51	11	75
BENZO(A)ANTHRACENE	230	180	86	20	53	340	91	38	5.2 U	7.7	38
BENZO(A)PYRENE	250	240	110	36	49	270	75	38	43	9.2	60
BENZO(B)FLUORANTHENE	270	270	130	42	59	300	93	69	76	12	66
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	110	100	40	8.9	13	130	35	15	9.3 U	1.9 U	25
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	240	230	98	22	57	330	92	52	71	8.8	56
DIBENZO(A,H)ANTHRACENE	79	65	34	1.4 U	1.5 U	48	1.5 U	1.5 U	7.1 U	1.4 U	1.4 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653	SB-653A	SB-653B	SB-653D	SB-654	SB-654	SB-654B	SB-654C	SB-655	SB-655	SB-656
SAMPLE ID	G-SB-653-2	G-SB-653A-1	G-SB-653B-1	G-SB-653D-1	G-SB-654-1	G-SB-654-2	G-SB-654B-1	G-SB-654C-1	G-SB-655-1	G-SB-655-2	G-SB-656-1
SAMPLE DATE	20090930	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH	2	1	1	1	1	2	1	1	1	2	1
INDENO(1,2,3-CD)PYRENE	160	170	78	30	39	150	39	27	8.2 U	1.7 U	46
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1339	1255	576	158.9	270	1568	425	239	190	37.7	291
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653	SB-653A	SB-653B	SB-653D	SB-654	SB-654	SB-654B	SB-654C	SB-655	SB-655	SB-656
SAMPLE ID	G-SB-653-2	G-SB-653A-1	G-SB-653B-1	G-SB-653D-1	G-SB-654-1	G-SB-654-2	G-SB-654B-1	G-SB-654C-1	G-SB-655-1	G-SB-655-2	G-SB-656-1
SAMPLE DATE	20090930	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH	2	1	1	1	1	2	1	1	1	2	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-656	SB-656C	SB-656D	SB-657A	SB-657B	SB-657D	SB-658B	SB-658C	SB-659C	SB-659D	SB-662A
SAMPLE ID	G-SB-656-2	G-SB-656C-2	G-SB-656D-2	G-SB-657A-1	G-SB-657B-1	G-SB-657D-1	G-SB-658B-1	G-SB-658C-1	G-SB-659C-1	G-SB-659D-1	G-SB-662A-1
SAMPLE DATE	20090930	20091029	20091029	20091028	20091028	20091028	20091028	20091028	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656	SB-656C	SB-656D	SB-657A	SB-657B	SB-657D	SB-658B	SB-658C	SB-659C	SB-659D	SB-662A
SAMPLE ID	G-SB-656-2	G-SB-656C-2	G-SB-656D-2	G-SB-657A-1	G-SB-657B-1	G-SB-657D-1	G-SB-658B-1	G-SB-658C-1	G-SB-659C-1	G-SB-659D-1	G-SB-662A-1
SAMPLE DATE	20090930	20091029	20091029	20091028	20091028	20091028	20091028	20091028	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	1	1	1	1	1	1	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	226	4.2	59	1893	1188	31	58	72	81	23	627
BAP EQUIVALENT-POS	226	2.6	58	1893	1180	30	58	71	80	22	627
BENZO(A)ANTHRACENE	110	1.1 U	48	1000	1300	26	52	46	78	21	380
BENZO(A)PYRENE	130	1.4 U	43	1300	870	22	46	55	59	17	450
BENZO(B)FLUORANTHENE	190	26	74	1200	1700	42	61	78	130	31	500
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	62	1.9 U	22	610	860	1.9 U	29	25	2 U	2 U	260
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	130	1 U	56	1200	1400	24	65	55	81	17	370
DIBENZO(A,H)ANTHRACENE	54	1.4 U	1.5 U	290	14 U	1.4 U	1.5 U	1.4 U	1.5 U	1.5 U	59
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-656	SB-656C	SB-656D	SB-657A	SB-657B	SB-657D	SB-658B	SB-658C	SB-659C	SB-659D	SB-662A
SAMPLE ID	G-SB-656-2	G-SB-656C-2	G-SB-656D-2	G-SB-657A-1	G-SB-657B-1	G-SB-657D-1	G-SB-658B-1	G-SB-658C-1	G-SB-659C-1	G-SB-659D-1	G-SB-662A-1
SAMPLE DATE	20090930	20091029	20091029	20091028	20091028	20091028	20091028	20091028	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	1	1	1	1	1	1	1	1
INDENO(1,2,3-CD)PYRENE	110	1.7 U	30	760	16 U	14	1.7 U	32	1.8 U	1.8 U	270
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	786	26	273	6360	6130	128	253	291	348	86	2289
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656	SB-656C	SB-656D	SB-657A	SB-657B	SB-657D	SB-658B	SB-658C	SB-659C	SB-659D	SB-662A
SAMPLE ID	G-SB-656-2	G-SB-656C-2	G-SB-656D-2	G-SB-657A-1	G-SB-657B-1	G-SB-657D-1	G-SB-658B-1	G-SB-658C-1	G-SB-659C-1	G-SB-659D-1	G-SB-662A-1
SAMPLE DATE	20090930	20091029	20091029	20091028	20091028	20091028	20091028	20091028	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	1	1	1	1	1	1	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662B	SB-662C	SB-669	SB-669	SB-670	SB-670	SB-671	SB-671	SB-671	SB-671	SB-671B
SAMPLE ID	G-SB-662B-1	G-SB-662C-1	G-SB-669-1	G-SB-669-2	G-SB-670-1	G-SB-670-2	G-SB-671-1	G-SB-671-2	G-SB-671-2-AVG	G-SB-671-2-D	G-SB-671B-1
SAMPLE DATE	20091029	20091029	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	2	1	2	2	2	1
BOTTOM DEPTH	1	1	1	2	1	2	1	2	2	2	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662B	SB-662C	SB-669	SB-669	SB-670	SB-670	SB-671	SB-671	SB-671	SB-671	SB-671B
SAMPLE ID	G-SB-662B-1	G-SB-662C-1	G-SB-669-1	G-SB-669-2	G-SB-670-1	G-SB-670-2	G-SB-671-1	G-SB-671-2	G-SB-671-2-AVG	G-SB-671-2-D	G-SB-671B-1
SAMPLE DATE	20091029	20091029	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	2	1	2	2	2	1
BOTTOM DEPTH	1	1	1	2	1	2	1	2	2	2	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6	58	44	105	55	22	434	1.5 U	1.5 U	1.5 U	229
BAP EQUIVALENT-POS	0.01	58	44	105	55	21	434	1.5 U	1.5 U	1.5 U	229
BENZO(A)ANTHRACENE	1.1 U	48	20	49	24	15	270	1.1 U	1.1 U	1.1 U	140
BENZO(A)PYRENE	1.4 U	43	21	58	29	15	300	1.5 U	1.5 U	1.5 U	150
BENZO(B)FLUORANTHENE	1.3 U	68	29	81	39	22	320	1.4 U	1.4 U	1.4 U	180
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	24	13	28	10	10	170	2 U	2 U	2 U	60
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	10	57	26	50	26	15	240	1 U	1 U	1 U	140
DIBENZO(A,H)ANTHRACENE	1.4 U	1.5 U	16	28	17	1.5 U	59	1.5 U	1.5 U	1.5 U	37
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662B	SB-662C	SB-669	SB-669	SB-670	SB-670	SB-671	SB-671	SB-671	SB-671	SB-671B
SAMPLE ID	G-SB-662B-1	G-SB-662C-1	G-SB-669-1	G-SB-669-2	G-SB-670-1	G-SB-670-2	G-SB-671-1	G-SB-671-2	G-SB-671-2-AVG	G-SB-671-2-D	G-SB-671B-1
SAMPLE DATE	20091029	20091029	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	2	1	2	2	2	1
BOTTOM DEPTH	1	1	1	2	1	2	1	2	2	2	1
INDENO(1,2,3-CD)PYRENE	1.7 U	27	23	54	27	22	140	1.7 U	1.7 U	1.7 U	94
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	10	267	148	348	172	99	1499	0 U	0 U	0 U	801
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662B	SB-662C	SB-669	SB-669	SB-670	SB-670	SB-671	SB-671	SB-671	SB-671	SB-671B
SAMPLE ID	G-SB-662B-1	G-SB-662C-1	G-SB-669-1	G-SB-669-2	G-SB-670-1	G-SB-670-2	G-SB-671-1	G-SB-671-2	G-SB-671-2-AVG	G-SB-671-2-D	G-SB-671B-1
SAMPLE DATE	20091029	20091029	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	2	1	2	2	2	1
BOTTOM DEPTH	1	1	1	2	1	2	1	2	2	2	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671C	SB-671D	SB-672	SB-672	SB-677	SB-677	SB-677	SB-677	SB-677A	SB-677B	SB-677D
SAMPLE ID	G-SB-671C-1	G-SB-671D-1	G-SB-672-1	G-SB-672-2	G-SB-677-1	G-SB-677-1-AVG	G-SB-677-1-D	G-SB-677-2	G-SB-677A-1	G-SB-677B-1	G-SB-677D-1
SAMPLE DATE	20091111	20091111	20090929	20090929	20091001	20091001	20091001	20091001	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	1	1	2	1	1	1
BOTTOM DEPTH	1	1	1	2	1	1	1	2	1	1	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671C	SB-671D	SB-672	SB-672	SB-677	SB-677	SB-677	SB-677	SB-677A	SB-677B	SB-677D
SAMPLE ID	G-SB-671C-1	G-SB-671D-1	G-SB-672-1	G-SB-672-2	G-SB-677-1	G-SB-677-1-AVG	G-SB-677-1-D	G-SB-677-2	G-SB-677A-1	G-SB-677B-1	G-SB-677D-1
SAMPLE DATE	20091111	20091111	20090929	20090929	20091001	20091001	20091001	20091001	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	1	1	2	1	1	1
BOTTOM DEPTH	1	1	1	2	1	1	1	2	1	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	24	22	60	57	20437	14418	8400	1978	1193	77	14
BAP EQUIVALENT-POS	23	22	58	57	20437	14418	8400	1978	1193	77	13
BENZO(A)ANTHRACENE	12	13	32	37	15000 J	10500	6000 J	1500	750	49	1.1 U
BENZO(A)PYRENE	17	16	44	43	14000 J	9900	5800 J	1300	820	59	13
BENZO(B)FLUORANTHENE	21	18	53	58	16000 J	11050	6100 J	1600	850	88	1.3 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	8.9	9.5	29	16	5100 J	3700	2300 J	560	370	28	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	15	12	39	41	16000 J	11300	6600 J	1500	800	55	11
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	3.7 U	1.5 U	2600 J	1850	1100 J	290	160	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671C	SB-671D	SB-672	SB-672	SB-677	SB-677	SB-677	SB-677	SB-677A	SB-677B	SB-677D
SAMPLE ID	G-SB-671C-1	G-SB-671D-1	G-SB-672-1	G-SB-672-2	G-SB-677-1	G-SB-677-1-AVG	G-SB-677-1-D	G-SB-677-2	G-SB-677A-1	G-SB-677B-1	G-SB-677D-1
SAMPLE DATE	20091111	20091111	20090929	20090929	20091001	20091001	20091001	20091001	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	1	1	2	1	1	1
BOTTOM DEPTH	1	1	1	2	1	1	1	2	1	1	1
INDENO(1,2,3-CD)PYRENE	24	24	56	38	6700 J	4650	2600 J	710	480	36	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	97.9	92.5	253	233	75400	52950	30500	7460	4230	315	24
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671C	SB-671D	SB-672	SB-672	SB-677	SB-677	SB-677	SB-677	SB-677A	SB-677B	SB-677D
SAMPLE ID	G-SB-671C-1	G-SB-671D-1	G-SB-672-1	G-SB-672-2	G-SB-677-1	G-SB-677-1-AVG	G-SB-677-1-D	G-SB-677-2	G-SB-677A-1	G-SB-677B-1	G-SB-677D-1
SAMPLE DATE	20091111	20091111	20090929	20090929	20091001	20091001	20091001	20091001	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	1	1	2	1	1	1
BOTTOM DEPTH	1	1	1	2	1	1	1	2	1	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678	SB-678	SB-678B	SB-678C	SB-679	SB-679	SB-679C	SB-679D	SB-680	SB-680	SB-680D
SAMPLE ID	G-SB-678-1	G-SB-678-2	G-SB-678B-1	G-SB-678C-1	G-SB-679-1	G-SB-679-2	G-SB-679C-1	G-SB-679D-1	G-SB-680-1	G-SB-680-2	G-SB-680D-1
SAMPLE DATE	20091001	20091001	20091111	20091030	20091001	20091001	20091030	20091030	20091001	20091001	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH	1	2	1	1	1	2	1	1	1	2	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678	SB-678	SB-678B	SB-678C	SB-679	SB-679	SB-679C	SB-679D	SB-680	SB-680	SB-680D
SAMPLE ID	G-SB-678-1	G-SB-678-2	G-SB-678B-1	G-SB-678C-1	G-SB-679-1	G-SB-679-2	G-SB-679C-1	G-SB-679D-1	G-SB-680-1	G-SB-680-2	G-SB-680D-1
SAMPLE DATE	20091001	20091001	20091111	20091030	20091001	20091001	20091030	20091030	20091001	20091001	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH	1	2	1	1	1	2	1	1	1	2	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	208	249	8306	33	596	114	424	151	666	449	87
BAP EQUIVALENT-POS	208	249	8306	32	596	114	424	151	666	449	87
BENZO(A)ANTHRACENE	100	190	3700	12	520	47	160	51	420	260	49 J
BENZO(A)PYRENE	130	160	5700	26	400	72	280	98	430	300	60 J
BENZO(B)FLUORANTHENE	150	210	6700	27	510	71	340	110	560	350	78 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	65	83	2100	8.6	190	35	130	44	170	150	25 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	120	170	4500	15	460	57	160	49	460	290	47 J
DIBENZO(A,H)ANTHRACENE	43	38	1200	1.5 U	73	24	75	30	110	68	9.9 J
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678	SB-678	SB-678B	SB-678C	SB-679	SB-679	SB-679C	SB-679D	SB-680	SB-680	SB-680D
SAMPLE ID	G-SB-678-1	G-SB-678-2	G-SB-678B-1	G-SB-678C-1	G-SB-679-1	G-SB-679-2	G-SB-679C-1	G-SB-679D-1	G-SB-680-1	G-SB-680-2	G-SB-680D-1
SAMPLE DATE	20091001	20091001	20091111	20091030	20091001	20091001	20091030	20091030	20091001	20091001	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH	1	2	1	1	1	2	1	1	1	2	1
INDENO(1,2,3-CD)PYRENE	94	98	3400	22	180	54	180	67	260	180	38 J
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	702	949	27300	110.6	2333	360	1325	449	2410	1598	306.9
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-678	SB-678	SB-678B	SB-678C	SB-679	SB-679	SB-679C	SB-679D	SB-680	SB-680	SB-680D
SAMPLE ID	G-SB-678-1	G-SB-678-2	G-SB-678B-1	G-SB-678C-1	G-SB-679-1	G-SB-679-2	G-SB-679C-1	G-SB-679D-1	G-SB-680-1	G-SB-680-2	G-SB-680D-1
SAMPLE DATE	20091001	20091001	20091111	20091030	20091001	20091001	20091030	20091030	20091001	20091001	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH	1	2	1	1	1	2	1	1	1	2	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-680D	SB-680D	SB-693A	SB-693B	SB-693D	SB-734	SB-735	SB-735A	SB-735B	SB-735C	SB-736
SAMPLE ID	G-SB-680D-1-AVG	G-SB-680D-1-D	G-SB-693A-2	G-SB-693B-2	G-SB-693D-2	G-SB-734-0-4	G-SB-735-1	G-SB-735A-1	G-SB-735B-1	G-SB-735C-1	G-SB-736-1
SAMPLE DATE	20091102	20091102	20091027	20091027	20091027	20090923	20091021	20091112	20091112	20091112	20091021
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	2	2	0	1	1	1	1	1
BOTTOM DEPTH	1	1	2	2	2	4	1	1	1	1	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-680D	SB-680D	SB-693A	SB-693B	SB-693D	SB-734	SB-735	SB-735A	SB-735B	SB-735C	SB-736
SAMPLE ID	G-SB-680D-1-AVG	G-SB-680D-1-D	G-SB-693A-2	G-SB-693B-2	G-SB-693D-2	G-SB-734-0-4	G-SB-735-1	G-SB-735A-1	G-SB-735B-1	G-SB-735C-1	G-SB-736-1
SAMPLE DATE	20091102	20091102	20091027	20091027	20091027	20090923	20091021	20091112	20091112	20091112	20091021
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	2	2	0	1	1	1	1	1
BOTTOM DEPTH	1	1	2	2	2	4	1	1	1	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1671	3256	23	72	71	530	474	2101	6250	256	572
BAP EQUIVALENT-POS	1671	3256	22	72	71	523	474	2101	6250	255	572
BENZO(A)ANTHRACENE	824.5	1600 J	16	41	42	560	320	1600	4600	190	410
BENZO(A)PYRENE	1230	2400 J	17	49	47	380	330	1400	4300	200	390
BENZO(B)FLUORANTHENE	1289	2500 J	20	45	54	520	340	1900	5700	240	560
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	232.5	440 J	2.1 U	27	21	250	130	1000	2500	110	240
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	873.5	1700 J	19	48	55	470	340	1800	4800	210	370
DIBENZO(A,H)ANTHRACENE	169.95	330 J	1.6 U	11	11	15 U	57	260	660	1.6 U	61
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-680D	SB-680D	SB-693A	SB-693B	SB-693D	SB-734	SB-735	SB-735A	SB-735B	SB-735C	SB-736
SAMPLE ID	G-SB-680D-1-AVG	G-SB-680D-1-D	G-SB-693A-2	G-SB-693B-2	G-SB-693D-2	G-SB-734-0-4	G-SB-735-1	G-SB-735A-1	G-SB-735B-1	G-SB-735C-1	G-SB-736-1
SAMPLE DATE	20091102	20091102	20091027	20091027	20091027	20090923	20091021	20091112	20091112	20091112	20091021
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	2	2	0	1	1	1	1	1
BOTTOM DEPTH	1	1	2	2	2	4	1	1	1	1	1
INDENO(1,2,3-CD)PYRENE	569	1100 J	12	30	35	320	190	790	2300	110	210
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	5188.45	10070	84	251	265	2500	1707	8750	24860	1060	2241
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	810000	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-680D	SB-680D	SB-693A	SB-693B	SB-693D	SB-734	SB-735	SB-735A	SB-735B	SB-735C	SB-736
SAMPLE ID	G-SB-680D-1-AVG	G-SB-680D-1-D	G-SB-693A-2	G-SB-693B-2	G-SB-693D-2	G-SB-734-0-4	G-SB-735-1	G-SB-735A-1	G-SB-735B-1	G-SB-735C-1	G-SB-736-1
SAMPLE DATE	20091102	20091102	20091027	20091027	20091027	20090923	20091021	20091112	20091112	20091112	20091021
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	2	2	0	1	1	1	1	1
BOTTOM DEPTH	1	1	2	2	2	4	1	1	1	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-736B	SB-736C	SB-737	SB-738	SB-738	SB-738	SB-739
SAMPLE ID	G-SB-736B-1	G-SB-736C-1	G-SB-737-1	G-SB-738-2	G-SB-738-2-AVG	G-SB-738-2-D	G-SB-739-2
SAMPLE DATE	20091112	20091112	20091021	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	2	2	2
BOTTOM DEPTH	1	1	1	2	2	2	2
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-736B	SB-736C	SB-737	SB-738	SB-738	SB-738	SB-739
SAMPLE ID	G-SB-736B-1	G-SB-736C-1	G-SB-737-1	G-SB-738-2	G-SB-738-2-AVG	G-SB-738-2-D	G-SB-739-2
SAMPLE DATE	20091112	20091112	20091021	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	2	2	2
BOTTOM DEPTH	1	1	1	2	2	2	2
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1255	1513	123	5.8	5.1	4.5	27
BAP EQUIVALENT-POS	1253	1513	123	4.8	4.3	3.7	27
BENZO(A)ANTHRACENE	1200	1200	74	3.3 J	3.05	2.8 J	15
BENZO(A)PYRENE	950	1000	97	3.6 J	3.2	2.8 J	18
BENZO(B)FLUORANTHENE	1300	1400	120	5.7 J	4.55	3.4 J	26
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	550	650	44	1.7 U	1.475	2.1 J	1.6 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1300	1100	91	3.5 J	3.35	3.2 J	17
DIBENZO(A,H)ANTHRACENE	3.4 U	190	1.5 U	1.8 U	1.75 U	1.7 U	3.8 J
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-736B	SB-736C	SB-737	SB-738	SB-738	SB-738	SB-739
SAMPLE ID	G-SB-736B-1	G-SB-736C-1	G-SB-737-1	G-SB-738-2	G-SB-738-2-AVG	G-SB-738-2-D	G-SB-739-2
SAMPLE DATE	20091112	20091112	20091021	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	2	2	2
BOTTOM DEPTH	1	1	1	2	2	2	2
INDENO(1,2,3-CD)PYRENE	460	550	57	3.4 J	2.9	2.4 J	11
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	5760	6090	483	19.5	18.1	16.7	90.8
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-736B	SB-736C	SB-737	SB-738	SB-738	SB-738	SB-739
SAMPLE ID	G-SB-736B-1	G-SB-736C-1	G-SB-737-1	G-SB-738-2	G-SB-738-2-AVG	G-SB-738-2-D	G-SB-739-2
SAMPLE DATE	20091112	20091112	20091021	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	2	2	2
BOTTOM DEPTH	1	1	1	2	2	2	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2	G-TP-2	G-TP-2	SB-091	SB-091	SB-091A	SB-091B
SAMPLE ID	G-TP-1-3-1-2	G-TP-1-4-1-2	G-TP-2-1-1-3	G-TP-2-2-1-3	G-TP-2-4-1-3	G-TP-2-6-1-2	G-TP-2-7-1-2	G-SB-91RE-1	G-SB-91RE-2	G-SB-91REA-1	G-SB-91REB-1
SAMPLE DATE	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20090930	20090930	20091030	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	2	1	1
BOTTOM DEPTH	2	2	3	3	3	2	2	1	2	1	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2	G-TP-2	G-TP-2	SB-091	SB-091	SB-091A	SB-091B
SAMPLE ID	G-TP-1-3-1-2	G-TP-1-4-1-2	G-TP-2-1-1-3	G-TP-2-2-2-1-3	G-TP-2-4-1-3	G-TP-2-6-1-2	G-TP-2-7-1-2	G-SB-91RE-1	G-SB-91RE-2	G-SB-91REA-1	G-SB-91REB-1
SAMPLE DATE	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20090930	20090930	20091030	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	2	1	1
BOTTOM DEPTH	2	2	3	3	3	2	2	1	2	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	35 U	NA	4.2 U	NA	4.2 U	13 U	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	460	NA	4.2 U	NA	4.2 U	13 U	NA	NA	NA	NA	NA
ACENAPHTHENE	340	NA	4.2 U	NA	4.2 U	13 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	1200	NA	4.2 U	NA	4.2 U	140	NA	NA	NA	NA	NA
ANTHRACENE	2800	NA	4.2 U	NA	10	270	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	11699	NA	4.2 U	NA	58	1283	NA	13342	107	62	1.4 U
BAP EQUIVALENT-POS	11699	NA	4.2 U	NA	56	1283	NA	13342	107	61	1.4 U
BENZO(A)ANTHRACENE	11000	NA	4.2 U	NA	32	910	NA	6500	36	31	1.1 U
BENZO(A)PYRENE	7500 J	NA	4.2 U	NA	46 J	820 J	NA	9300	64	47	1.4 U
BENZO(B)FLUORANTHENE	10000	NA	4.2 U	NA	35	940	NA	11000	65	70	1.3 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	5600	NA	4.2 U	NA	26	690	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	4800	NA	4.2 U	NA	4.2 U	420	NA	3400	26	20	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	41000 J	NA	82 U	NA	NA	1100 J	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	47000 J	NA	82 U	NA	NA	1200 J	NA	NA	NA	NA
C1-FLUORENES	NA	1200 J	NA	82 U	NA	NA	87 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	33000 J	NA	82 U	NA	NA	820 J	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	20000 J	NA	82 U	NA	NA	590 J	NA	NA	NA	NA
C2-FLUORENES	NA	3800 J	NA	82 U	NA	NA	87 U	NA	NA	NA	NA
C2-NAPHTHALENES	NA	1800 J	NA	82 U	NA	NA	87 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	31000 J	NA	82 U	NA	NA	770 J	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	7000 J	NA	82 U	NA	NA	210 J	NA	NA	NA	NA
C3-FLUORENES	NA	7200 J	NA	82 U	NA	NA	200 J	NA	NA	NA	NA
C3-NAPHTHALENES	NA	4000 J	NA	82 U	NA	NA	87 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	17000 J	NA	82 U	NA	NA	450 J	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	3000 J	NA	82 U	NA	NA	92 J	NA	NA	NA	NA
C4-NAPHTHALENES	NA	4100 J	NA	82 U	NA	NA	92 J	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	5900 J	NA	82 U	NA	NA	160 J	NA	NA	NA	NA
CHRYSENE	11000	NA	1.4 U	NA	39	1000	NA	8200	42	42	0.99 U
DIBENZO(A,H)ANTHRACENE	1600 J	NA	4.2 U	NA	4.2 U	220 J	NA	1700	27	1.5 U	1.4 U
FLUORANTHENE	20000	NA	4.2 U	NA	48	1400	NA	NA	NA	NA	NA
FLUORENE	600	NA	4.2 U	NA	4.2 U	13 U	NA	NA	NA	NA	NA

LOCATION	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2	G-TP-2	G-TP-2	SB-091	SB-091	SB-091A	SB-091B
SAMPLE ID	G-TP-1-3-1-2	G-TP-1-4-1-2	G-TP-2-1-1-3	G-TP-2-2-1-3	G-TP-2-4-1-3	G-TP-2-6-1-2	G-TP-2-7-1-2	G-SB-91RE-1	G-SB-91RE-2	G-SB-91REA-1	G-SB-91REB-1
SAMPLE DATE	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20090930	20090930	20091030	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	2	1	1
BOTTOM DEPTH	2	2	3	3	3	2	2	1	2	1	1
INDENO(1,2,3-CD)PYRENE	4400 J	NA	4.2 U	NA	34 J	530 J	NA	5500	56	38	1.7 U
NAPHTHALENE	660	NA	4.2 U	NA	4.2 U	53	NA	NA	NA	NA	NA
PHENANTHRENE	12000	NA	4.2 U	NA	25	570	NA	NA	NA	NA	NA
PYRENE	28000	NA	9.4	NA	71	2300	NA	NA	NA	NA	NA
TOTAL PAHS	121960	NA	9.4	NA	366	10263	NA	45600	316	248	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2	G-TP-2	G-TP-2	SB-091	SB-091	SB-091A	SB-091B
SAMPLE ID	G-TP-1-3-1-2	G-TP-1-4-1-2	G-TP-2-1-1-3	G-TP-2-2-1-3	G-TP-2-4-1-3	G-TP-2-6-1-2	G-TP-2-7-1-2	G-SB-91RE-1	G-SB-91RE-2	G-SB-91REA-1	G-SB-91REB-1
SAMPLE DATE	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20090930	20090930	20091030	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	2	1	1
BOTTOM DEPTH	2	2	3	3	3	2	2	1	2	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-091C	SB-092	SB-092	SB-092C	SB-092D	SB-092D	SB-092D	SB-183	SB-194	SB-195	SB-196
SAMPLE ID	G-SB-91REC-1	G-SB-92RE-1	G-SB-92RE-2	G-SB-92REC-1	G-SB-92RED-1	G-SB-92RED-1-AVG	G-SB-92RED-1-D	SB-183-SS	SB-194-SS	SB-195-SS	SB-196-SS
SAMPLE DATE	20091102	20090929	20090929	20091102	20091102	20091102	20091102	20041102	20050511	20050510	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	1	1	2	1	1	1	1	0	0	0	0
BOTTOM DEPTH	1	1	2	1	1	1	1	0	1	1	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	1 J	2 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.5	2 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	1.2 J	2 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	4.1 U	4.8 U	3.9 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.05 U	2.38 U	1.97 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	4.11 U	4.75 U	3.93 U
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	103 U	119 U	98.3 U
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	3.36 J	14.5	4.16 J
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	2.1 UR	2.4 UR	2 UR
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	8.22 U	9.51 U	7.87 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	2.05 U	2.38 U	1.97 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	8.2 U	9.5 U	7.9 U
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	30.5 J	128 J	29.3 J
BENZENE	NA	NA	NA	NA	NA	NA	NA	1 U	2.05 U	2.38 U	1.97 U
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	1.8 J	2.1 J	2 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	1 U	2.1 U	2.4 U	2 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	4.1 U	4.8 U	3.9 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	4.1 U	4.8 U	3.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	1 U	2.1 U	2.4 U	2 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	8 U	10 U	8 U
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
TOLUENE	NA	NA	NA	NA	NA	NA	NA	1 U	1.6 J	3.6	0.79 J
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	1 U	6.2 U	7.1 U	5.9 U
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	1.3 J	2 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	363 U	388 U	360 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U

LOCATION	SB-091C	SB-092	SB-092	SB-092C	SB-092D	SB-092D	SB-092D	SB-183	SB-194	SB-195	SB-196
SAMPLE ID	G-SB-91REC-1	G-SB-92RE-1	G-SB-92RE-2	G-SB-92REC-1	G-SB-92RED-1	G-SB-92RED-1-AVG	G-SB-92RED-1-D	SB-183-SS	SB-194-SS	SB-195-SS	SB-196-SS
SAMPLE DATE	20091102	20090929	20090929	20091102	20091102	20091102	20091102	20041102	20050511	20050510	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	1	1	2	1	1	1	1	0	0	0	0
BOTTOM DEPTH	1	1	2	1	1	1	1	0	1	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	551 U	587 U	545 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	738 U	787 U	730 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	738 U	787 U	730 U
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	40.9 B	174 J	49.6 B
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	54 B	200 U	185 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	110 U	117 U	109 U
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	925 U	986 U	916 U
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	77.1 U	82.2 U	76.3 U
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 J
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	36 J	82 U	100
BAP EQUIVALENT-HALFND	229	65	71	21	22	29	36	NA	516	112	1242
BAP EQUIVALENT-POS	229	64	70	20	21	28	35	NA	516	67	1242
BENZO(A)ANTHRACENE	1.1 U	48	52	14	19	20.5	22	NA	335	43 J	757
BENZO(A)PYRENE	160	50	56	16	19	23.5	28	NA	382	56 J	949
BENZO(B)FLUORANTHENE	180	61	54	19	1.3 UJ	15.325	30 J	NA	314	62 J	838
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	150	82 U	273
BENZO(K)FLUORANTHENE	62	22	29	2 U	1.9 U	5.975	11	NA	402	82 U	1070
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	62	51	57	14	22	23	24	NA	423	58 J	933
DIBENZO(A,H)ANTHRACENE	38	1.5 U	1.5 U	1.6 U	1.4 U	1.45 U	1.5 U	NA	50 J	82 U	95
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	504	82 J	1140
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U

LOCATION	SB-091C	SB-092	SB-092	SB-092C	SB-092D	SB-092D	SB-092D	SB-183	SB-194	SB-195	SB-196
SAMPLE ID	G-SB-91REC-1	G-SB-92RE-1	G-SB-92RE-2	G-SB-92REC-1	G-SB-92RED-1	G-SB-92RED-1-AVG	G-SB-92RED-1-D	SB-183-SS	SB-194-SS	SB-195-SS	SB-196-SS
SAMPLE DATE	20091102	20090929	20090929	20091102	20091102	20091102	20091102	20041102	20050511	20050510	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	1	1	2	1	1	1	1	0	0	0	0
BOTTOM DEPTH	1	1	2	1	1	1	1	0	1	1	1
INDENO(1,2,3-CD)PYRENE	120	27	31	10	1.6 UJ	9.9	19 J	NA	143	82 U	264
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	109	30 J	291
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	682	91	1720
TOTAL PAHS	622	259	279	73	60	97	134	NA	3530	422	8506
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	35 U
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	35 U
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	35 U
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	35 U
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	35 U
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	35 U
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	13 J
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	0 U	0 U	13
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	0.6 L	2	0.9 L
ARSENIC	NA	5.4	3.3	NA	NA	NA	NA	NA	2 B	2 B	1 B
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	34	55	22
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	0.6	0.7	0.3
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	0.1 B	0.2 B	0.2 B
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	11.2	14.7	11.4
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	7.2	15.8	3.2
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	6	9	5
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	5	8	4
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	0.02	0.02	0.02
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	0.4 U	0.6 B	0.5 U
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	11	11	5
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	0.04 U	0.05 U	0.05 U
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	0.9 U	1 U	1 U
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	20.2	25.7	20.9
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	26	32	16
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	12000 U	77200	29600	114000
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	10700 U	12500 U	9600 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	7.1	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-091C	SB-092	SB-092	SB-092C	SB-092D	SB-092D	SB-092D	SB-183	SB-194	SB-195	SB-196
SAMPLE ID	G-SB-91REC-1	G-SB-92RE-1	G-SB-92RE-2	G-SB-92REC-1	G-SB-92RED-1	G-SB-92RED-1-AVG	G-SB-92RED-1-D	SB-183-SS	SB-194-SS	SB-195-SS	SB-196-SS
SAMPLE DATE	20091102	20090929	20090929	20091102	20091102	20091102	20091102	20041102	20050511	20050510	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SS	SS	SS	SS
TOP DEPTH	1	1	2	1	1	1	1	0	0	0	0
BOTTOM DEPTH	1	1	2	1	1	1	1	0	1	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-197	SB-198	SB-199	SB-740	SB-741	SB-742	SB-743	SB-744	SB-745	SB-745A	SB-745B
SAMPLE ID	SB-197-SS	SB-198-SS	SB-199-SS	G-SB-740-2	G-SB-741-2	G-SB-742-2	G-SB-743-2	G-SB-744-2	G-SB-745-2	G-SB-745A-2	G-SB-745B-2
SAMPLE DATE	20050511	20050511	20050511	20091008	20091009	20091009	20091009	20091009	20091009	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0	0	0	2	2	2	2	2	2	2	2
BOTTOM DEPTH	1	1	1	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	1.5 J	2.2 U	0.83 J	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	4.7 U	4.4 U	4.5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	2.34 U	2.21 U	2.25 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	4.68 U	4.42 U	4.5 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	117 U	111 U	112 U	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	5.52 J	10.9	9 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	2.3 UR	2.2 UR	2.2 UR	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	9.37 U	8.85 U	9 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	2.34 U	2.21 U	2.25 U	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	9.4 U	8.8 U	9 U	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	62.9 J	105 J	10.4 J	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	2.34 U	2.21 U	2.25 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	2.7	1.6 J	6.2	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	4.7 U	4.4 U	4.5 U	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	4.7 U	4.4 U	4.5 U	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	2.3 U	2.2 U	2.9	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	9 U	9 U	9 U	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	2 J	2.2 U	1.6 J	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	7 U	6.6 U	6.7 U	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1.1 J	2.2 U	0.65 J	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	402 U	368 U	361 U	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-197	SB-198	SB-199	SB-740	SB-741	SB-742	SB-743	SB-744	SB-745	SB-745A	SB-745B
SAMPLE ID	SB-197-SS	SB-198-SS	SB-199-SS	G-SB-740-2	G-SB-741-2	G-SB-742-2	G-SB-743-2	G-SB-744-2	G-SB-745-2	G-SB-745A-2	G-SB-745B-2
SAMPLE DATE	20050511	20050511	20050511	20091008	20091009	20091009	20091009	20091009	20091009	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0	0	0	2	2	2	2	2	2	2	2
BOTTOM DEPTH	1	1	1	2	2	2	2	2	2	2	2
2,4-DICHLOROPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	609 U	558 U	547 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	817 U	748 U	733 U	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	817 U	748 U	733 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	74.4 B	80.2 B	40.9 B	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	35 B	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	122 U	112 U	109 U	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	1020 U	938 U	919 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	85.3 U	78.2 U	76.5 U	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	85 U	27 J	44 J	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	115	226	186	2.1 U	2.3	11	59	71	277	1.6 U	1.5 U
BAP EQUIVALENT-POS	73	187	147	2.1 U	0.19	9.6	59	71	277	1.6 U	1.5 U
BENZO(A)ANTHRACENE	56 J	117	142	1.2 U	1.3 U	5.7 J	33	46	200	1.2 U	1.1 U
BENZO(A)PYRENE	59 J	154	117	2.1 U	2.3 U	7.4 J	40	49	180	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	39 J	111	89	1.5 U	1.9 J	11	46	61	310	1.5 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	51 J	92	62 J	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	52 J	130	111	1.6 U	1.7 U	1.7 U	19	21	7.9 U	2.1 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	66 J	153	164	1.3 U	1.4 U	7.2 J	37	46	210	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	85 U	78 U	77 U	1.6 U	1.8 U	1.8 U	8.1	7.5 J	36 J	1.6 U	1.5 U
FLUORANTHENE	92	212	297	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	85 U	78 U	21 J	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-197	SB-198	SB-199	SB-740	SB-741	SB-742	SB-743	SB-744	SB-745	SB-745A	SB-745B
SAMPLE ID	SB-197-SS	SB-198-SS	SB-199-SS	G-SB-740-2	G-SB-741-2	G-SB-742-2	G-SB-743-2	G-SB-744-2	G-SB-745-2	G-SB-745A-2	G-SB-745B-2
SAMPLE DATE	20050511	20050511	20050511	20091008	20091009	20091009	20091009	20091009	20091009	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0	0	0	2	2	2	2	2	2	2	2
BOTTOM DEPTH	1	1	1	2	2	2	2	2	2	2	2
INDENO(1,2,3-CD)PYRENE	38 J	86	61 J	0.41 U	0.45 U	5.6 J	24	31	100	1.8 U	1.7 U
NAPHTHALENE	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	26 J	46 J	280	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	95	214	332	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	574	1342	1720	0 U	1.9	36.9	207.1	261.5	1036	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	40 U	36 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	40 U	36 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	40 U	36 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	40 U	36 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	40 U	36 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	40 U	12 J	37 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	40 U	36 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	12	0 U	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	1 L	0.7 L	1 L	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	5	2 B	3 B	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	74	39	33	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	1.3	0.5	0.5	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	0.3 B	0.2 B	0.1 B	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	19.8	13.1	13.8	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	51.2	5.8	7.6	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	10	7	6	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	13	11	5	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02	0.04	0.02	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	0.8 B	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	18	8	6	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	0.06 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	1 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	39.2	22.2	26.2	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	45	23	20	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	32200	163000	139000	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	11600 U	10500 U	10100 U	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-197	SB-198	SB-199	SB-740	SB-741	SB-742	SB-743	SB-744	SB-745	SB-745A	SB-745B
SAMPLE ID	SB-197-SS	SB-198-SS	SB-199-SS	G-SB-740-2	G-SB-741-2	G-SB-742-2	G-SB-743-2	G-SB-744-2	G-SB-745-2	G-SB-745A-2	G-SB-745B-2
SAMPLE DATE	20050511	20050511	20050511	20091008	20091009	20091009	20091009	20091009	20091009	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0	0	0	2	2	2	2	2	2	2	2
BOTTOM DEPTH	1	1	1	2	2	2	2	2	2	2	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-745C	SB-746	SB-747	SB-747	SB-747	SB-748	SB-749	SB-750	SB-751	SB-752	SB-753
SAMPLE ID	G-SB-745C-2	G-SB-746-2	G-SB-747-2	G-SB-747-2-AVG	G-SB-747-2-D	G-SB-748-2	G-SB-749-2	G-SB-750-2	G-SB-751-2	G-SB-752-2	G-SB-753-2
SAMPLE DATE	20091021	20091009	20091009	20091009	20091009	20091009	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-745C	SB-746	SB-747	SB-747	SB-747	SB-748	SB-749	SB-750	SB-751	SB-752	SB-753
SAMPLE ID	G-SB-745C-2	G-SB-746-2	G-SB-747-2	G-SB-747-2-AVG	G-SB-747-2-D	G-SB-748-2	G-SB-749-2	G-SB-750-2	G-SB-751-2	G-SB-752-2	G-SB-753-2
SAMPLE DATE	20091021	20091009	20091009	20091009	20091009	20091009	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2661	140	2.2 U	53	105	2.2 U	2.5	1.5 U	1.5 U	18	17
BAP EQUIVALENT-POS	2661	140	2.2 U	53	105	2.2 U	0.81	1.5 U	1.5 U	18	16
BENZO(A)ANTHRACENE	1800	95	1.2 UJ	25.3	50 J	1.3 U	1.1 U	1.1 U	1.1 U	13	15
BENZO(A)PYRENE	1800	93	2.2 UJ	32.55	64 J	2.2 U	1.5 U	1.5 U	1.5 U	14	13
BENZO(B)FLUORANTHENE	2300	150	1.6 UJ	55.4	110 J	1.6 U	8.1	1.4 U	1.3 U	15	17
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	930	1.6 U	1.6 U	1.65 U	1.7 U	1.6 U	2 U	2 U	1.9 U	1.9 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1600	92	1.3 UJ	29.325	58 J	1.4 U	1.1 U	1 U	1 U	14	14
DIBENZO(A,H)ANTHRACENE	340	17	1.7 UJ	9.925	19 J	1.7 U	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-745C	SB-746	SB-747	SB-747	SB-747	SB-748	SB-749	SB-750	SB-751	SB-752	SB-753
SAMPLE ID	G-SB-745C-2	G-SB-746-2	G-SB-747-2	G-SB-747-2-AVG	G-SB-747-2-D	G-SB-748-2	G-SB-749-2	G-SB-750-2	G-SB-751-2	G-SB-752-2	G-SB-753-2
SAMPLE DATE	20091021	20091009	20091009	20091009	20091009	20091009	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDENO(1,2,3-CD)PYRENE	1000	57	0.42 UJ	29.105	58 J	0.43 U	1.8 U	1.7 U	1.7 U	9.3	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	9770	504	0 U	179.5	359	0 U	8.1	0 U	0 U	65.3	59
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	31 J	34 J	39 J
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-745C	SB-746	SB-747	SB-747	SB-747	SB-748	SB-749	SB-750	SB-751	SB-752	SB-753
SAMPLE ID	G-SB-745C-2	G-SB-746-2	G-SB-747-2	G-SB-747-2-AVG	G-SB-747-2-D	G-SB-748-2	G-SB-749-2	G-SB-750-2	G-SB-751-2	G-SB-752-2	G-SB-753-2
SAMPLE DATE	20091021	20091009	20091009	20091009	20091009	20091009	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-754	SB-755	SB-756	SB-757	SB-758	SB-759	SB-760	SB-761	SB-761A	SB-761B	SB-761C
SAMPLE ID	G-SB-754-2	G-SB-755-2	G-SB-756-2	G-SB-757-2	G-SB-758-2	G-SB-759-1	G-SB-760-1	G-SB-761-1	G-SB-761A-1	G-SB-761B-1	G-SB-761C-1
SAMPLE DATE	20091021	20091103	20091103	20091103	20091103	20091113	20091113	20090930	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	1	1	1	1	1	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-754	SB-755	SB-756	SB-757	SB-758	SB-759	SB-760	SB-761	SB-761A	SB-761B	SB-761C
SAMPLE ID	G-SB-754-2	G-SB-755-2	G-SB-756-2	G-SB-757-2	G-SB-758-2	G-SB-759-1	G-SB-760-1	G-SB-761-1	G-SB-761A-1	G-SB-761B-1	G-SB-761C-1
SAMPLE DATE	20091021	20091103	20091103	20091103	20091103	20091113	20091113	20090930	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	1	1	1	1	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	6012	1.6 U	3202	112	1252	751	11	214	131	37081
BAP EQUIVALENT-POS	1.6 U	6012	1.6 U	3202	112	1252	751	10	214	131	37081
BENZO(A)ANTHRACENE	1.2 U	4300	1.1 U	2200	50	860	450	9.7	110	110	34000
BENZO(A)PYRENE	1.6 U	4100	1.6 U	2200	78	810	510	8.3	150	89	24000
BENZO(B)FLUORANTHENE	1.5 U	5700	1.4 U	2800	92	960	700	9.6	140	95	27000
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	1800	2 U	930	40	440	250	1.9 U	61	43	14000
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	4100	1.1 U	2400	54	890	470	9.3	130	130	41000
DIBENZO(A,H)ANTHRACENE	1.6 U	660	1.6 U	370	14	200	95	1.5 U	29	16	5300
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-754	SB-755	SB-756	SB-757	SB-758	SB-759	SB-760	SB-761	SB-761A	SB-761B	SB-761C
SAMPLE ID	G-SB-754-2	G-SB-755-2	G-SB-756-2	G-SB-757-2	G-SB-758-2	G-SB-759-1	G-SB-760-1	G-SB-761-1	G-SB-761A-1	G-SB-761B-1	G-SB-761C-1
SAMPLE DATE	20091021	20091103	20091103	20091103	20091103	20091113	20091113	20090930	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	1	1	1	1	1	1
INDENO(1,2,3-CD)PYRENE	1.8 U	2300	1.8 U	1200	51	550	280	1.7 U	97	51	15000
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	22960	0 U	12100	379	4710	2755	36.9	717	534	160300
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	170000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-754	SB-755	SB-756	SB-757	SB-758	SB-759	SB-760	SB-761	SB-761A	SB-761B	SB-761C
SAMPLE ID	G-SB-754-2	G-SB-755-2	G-SB-756-2	G-SB-757-2	G-SB-758-2	G-SB-759-1	G-SB-760-1	G-SB-761-1	G-SB-761A-1	G-SB-761B-1	G-SB-761C-1
SAMPLE DATE	20091021	20091103	20091103	20091103	20091103	20091113	20091113	20090930	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	1	1	1	1	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761D	SB-762	SB-762A	SB-762B	SB-762C	SB-762D	SB-763	SB-763A	SB-763B	SB-763C	SB-763D
SAMPLE ID	G-SB-761D-1	G-SB-762-1	G-SB-762A-1	G-SB-762B-1	G-SB-762C-1	G-SB-762D-1	G-SB-763-1	G-SB-763A-1	G-SB-763B-1	G-SB-763C-1	G-SB-763D-1
SAMPLE DATE	20091022	20091001	20091022	20091023	20091022	20091022	20091001	20091023	20091027	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761D	SB-762	SB-762A	SB-762B	SB-762C	SB-762D	SB-763	SB-763A	SB-763B	SB-763C	SB-763D
SAMPLE ID	G-SB-761D-1	G-SB-762-1	G-SB-762A-1	G-SB-762B-1	G-SB-762C-1	G-SB-762D-1	G-SB-763-1	G-SB-763A-1	G-SB-763B-1	G-SB-763C-1	G-SB-763D-1
SAMPLE DATE	20091022	20091001	20091022	20091023	20091022	20091022	20091001	20091023	20091027	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	38270	1.6 U	461	1.5 U	76	67	13	740	83	198	71
BAP EQUIVALENT-POS	38270	1.6 U	461	1.5 U	75	66	12	740	83	198	70
BENZO(A)ANTHRACENE	31000	1.1 U	310	1.1 U	73	43	9.1	500	52	130	49
BENZO(A)PYRENE	27000	1.6 U	320	1.5 U	58	53	8.4	530	67	140	54
BENZO(B)FLUORANTHENE	27000	1.4 U	360	1.4 U	61	56	9.4	600	65	160	75
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	13000	2 U	140	2 U	31	24	2.1 U	260	35	72	34
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	40000	1.1 U	340	1 U	78	48	11	540	61	150	62
DIBENZO(A,H)ANTHRACENE	3900	1.6 U	58	1.5 U	1.5 U	1.5 U	1.6 U	69	1.5 U	20	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761D	SB-762	SB-762A	SB-762B	SB-762C	SB-762D	SB-763	SB-763A	SB-763B	SB-763C	SB-763D
SAMPLE ID	G-SB-761D-1	G-SB-762-1	G-SB-762A-1	G-SB-762B-1	G-SB-762C-1	G-SB-762D-1	G-SB-763-1	G-SB-763A-1	G-SB-763B-1	G-SB-763C-1	G-SB-763D-1
SAMPLE DATE	20091022	20091001	20091022	20091023	20091022	20091022	20091001	20091023	20091027	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
INDENO(1,2,3-CD)PYRENE	14000	1.8 U	140	1.7 U	31	28	19	280	36	79	32
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	155900	0 U	1668	0 U	332	252	56.9	2779	316	751	306
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761D	SB-762	SB-762A	SB-762B	SB-762C	SB-762D	SB-763	SB-763A	SB-763B	SB-763C	SB-763D
SAMPLE ID	G-SB-761D-1	G-SB-762-1	G-SB-762A-1	G-SB-762B-1	G-SB-762C-1	G-SB-762D-1	G-SB-763-1	G-SB-763A-1	G-SB-763B-1	G-SB-763C-1	G-SB-763D-1
SAMPLE DATE	20091022	20091001	20091022	20091023	20091022	20091022	20091001	20091023	20091027	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764	SB-764A	SB-764B	SB-764C	SB-764D	SB-765	SB-765A	SB-765B	SB-765C	SB-765D	SB-803
SAMPLE ID	G-SB-764-1	G-SB-764A-1	G-SB-764B-1	G-SB-764C-1	G-SB-764D-1	G-SB-765-1	G-SB-765A-1	G-SB-765B-1	G-SB-765C-1	G-SB-765D-1	G-SB-803-SS
SAMPLE DATE	20091002	20091027	20091113	20091027	20091027	20091002	20091028	20091113	20091028	20091028	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764	SB-764A	SB-764B	SB-764C	SB-764D	SB-765	SB-765A	SB-765B	SB-765C	SB-765D	SB-803
SAMPLE ID	G-SB-764-1	G-SB-764A-1	G-SB-764B-1	G-SB-764C-1	G-SB-764D-1	G-SB-765-1	G-SB-765A-1	G-SB-765B-1	G-SB-765C-1	G-SB-765D-1	G-SB-803-SS
SAMPLE DATE	20091002	20091027	20091113	20091027	20091027	20091002	20091028	20091113	20091028	20091028	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
BAP EQUIVALENT-HALFND	27	580	21	26405	38666	2.5	619	53	318	38	3.9 U
BAP EQUIVALENT-POS	26	580	20	26405	38666	0.81	619	53	318	37	3.9 U
BENZO(A)ANTHRACENE	1.1 U	370	12	19000	24000	1.1 U	460	30	170	11	3.9 U
BENZO(A)PYRENE	23	390	14	18000	27000	1.5 U	410	41	210	30	3.9 U
BENZO(B)FLUORANTHENE	26	430	25	20000	28000	8	470	42	230	33	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
BENZO(K)FLUORANTHENE	1.9 U	170	11	8300	14000	1.9 U	170	25	77	1.9 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	400	14	22000	26000	8.9	540	40	220	12	1.3 U
DIBENZO(A,H)ANTHRACENE	1.5 U	89	1.5 U	3300	4600	1.5 U	88	1.6 U	53	1.5 U	3.9 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U

LOCATION	SB-764	SB-764A	SB-764B	SB-764C	SB-764D	SB-765	SB-765A	SB-765B	SB-765C	SB-765D	SB-803
SAMPLE ID	G-SB-764-1	G-SB-764A-1	G-SB-764B-1	G-SB-764C-1	G-SB-764D-1	G-SB-765-1	G-SB-765A-1	G-SB-765B-1	G-SB-765C-1	G-SB-765D-1	G-SB-803-SS
SAMPLE DATE	20091002	20091027	20091113	20091027	20091027	20091002	20091028	20091113	20091028	20091028	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
INDENO(1,2,3-CD)PYRENE	1.7 U	190	25	11000	17000	1.7 U	260	41	140	26	3.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
TOTAL PAHS	49	2039	101	101600	140600	16.9	2398	219	1100	112	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764	SB-764A	SB-764B	SB-764C	SB-764D	SB-765	SB-765A	SB-765B	SB-765C	SB-765D	SB-803
SAMPLE ID	G-SB-764-1	G-SB-764A-1	G-SB-764B-1	G-SB-764C-1	G-SB-764D-1	G-SB-765-1	G-SB-765A-1	G-SB-765B-1	G-SB-765C-1	G-SB-765D-1	G-SB-803-SS
SAMPLE DATE	20091002	20091027	20091113	20091027	20091027	20091002	20091028	20091113	20091028	20091028	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-804	SB-805	SB-806	SB-807	SB-808	SB-809	SB-810	SB-811	SB-812	SB-813
SAMPLE ID	G-SB-804-SS	G-SB-805-SS	G-SB-806-SS	G-SB-807-SS	G-SB-808-SS	G-SB-809-SS	G-SB-810-SS	G-SB-811-SS	G-SB-812-SS	G-SB-813-SS
SAMPLE DATE	20100823	20100824	20100824	20100825	20100825	20100825	20100823	20100823	20100824	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)										
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-804	SB-805	SB-806	SB-807	SB-808	SB-809	SB-810	SB-811	SB-812	SB-813
SAMPLE ID	G-SB-804-SS	G-SB-805-SS	G-SB-806-SS	G-SB-807-SS	G-SB-808-SS	G-SB-809-SS	G-SB-810-SS	G-SB-811-SS	G-SB-812-SS	G-SB-813-SS
SAMPLE DATE	20100823	20100824	20100824	20100825	20100825	20100825	20100823	20100823	20100824	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	3.9 U	3.8 U	140	3.8 U	3.4 U	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
2-METHYLNAPHTHALENE	3.9 U	3.8 U	220	3.8 U	3.4 U	3.7 U	4.4 U	3.9 U	9.2	3.8 U
ACENAPHTHENE	3.9 U	3.8 U	300 J	3.8 U	3.4 UJ	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
ACENAPHTHYLENE	3.9 U	3.8 U	750	3.8 U	3.4 U	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
ANTHRACENE	3.9 U	3.8 U	1500 J	3.8 U	27	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
BAP EQUIVALENT-HALFND	3.9 U	3.8 U	5726	20	351	16	4.4 U	14	37	3.8 U
BAP EQUIVALENT-POS	3.9 U	3.8 U	5707	18	351	14	4.4 U	11	35	3.8 U
BENZO(A)ANTHRACENE	3.9 U	3.8 U	4600	12	160	10	4.4 U	8.8	3.9 U	3.8 U
BENZO(A)PYRENE	3.9 U	3.8 U	4400 J	14	240	11	4.4 U	9.3	32 J	3.8 U
BENZO(B)FLUORANTHENE	3.9 U	3.8 U	5900 J	14	230	16	4.4 U	12	27 J	3.8 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	3.8 U	3000 J	14	250	13	4.4 U	3.9 U	3.9 U	3.8 U
BENZO(K)FLUORANTHENE	3.9 U	3.8 U	2200 J	8	100	3.7 U	4.4 U	3.9 U	30 J	3.8 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	260 J
C1-FLUORANTHENES/PYRENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	270 J
C1-FLUORENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C1-PHENANTHRENES/ANTHRACENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	130 J
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	140 J
C2-FLUORENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C2-NAPHTHALENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C2-PHENANTHRENES/ANTHRACENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	160 J
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C3-FLUORENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C3-NAPHTHALENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C3-PHENANTHRENES/ANTHRACENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	100 J
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C4-NAPHTHALENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C4-PHENANTHRENES/ANTHRACENES	NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
CHRYSENE	1.3 U	1.3 U	4800	15	200	18	1.5 U	10	25	1.3 U
DIBENZO(A,H)ANTHRACENE	3.9 U	3.8 U	38 U	3.8 U	54	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
FLUORANTHENE	3.9 U	3.8 U	6300 J	16	180	13	4.4 U	13	50 J	22 J
FLUORENE	3.9 U	3.8 U	390 J	3.8 U	3.4 U	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U

LOCATION	SB-804	SB-805	SB-806	SB-807	SB-808	SB-809	SB-810	SB-811	SB-812	SB-813
SAMPLE ID	G-SB-804-SS	G-SB-805-SS	G-SB-806-SS	G-SB-807-SS	G-SB-808-SS	G-SB-809-SS	G-SB-810-SS	G-SB-811-SS	G-SB-812-SS	G-SB-813-SS
SAMPLE DATE	20100823	20100824	20100824	20100825	20100825	20100825	20100823	20100823	20100824	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1
INDENO(1,2,3-CD)PYRENE	3.9 U	3.8 U	2300 J	10	170	7.5	4.4 U	3.9 U	3.9 U	3.8 U
NAPHTHALENE	3.9 U	3.8 U	290	3.8 U	7.3	3.7 U	4.4 U	3.9 U	7.9	3.8 U
PHENANTHRENE	3.9 U	3.8 U	2900 J	3.8 U	28	3.7 U	4.4 U	3.9 U	32 J	3.8 U
PYRENE	3.9 U	3.8 U	12000	27	420	17	4.4 U	17	35	12
TOTAL PAHS	0 U	0 U	51850	130	2066.3	105.5	0 U	70.1	248.1	34
PESTICIDES/PCBS (UG/KG)										
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)										
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)										
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)										
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-804	SB-805	SB-806	SB-807	SB-808	SB-809	SB-810	SB-811	SB-812	SB-813
SAMPLE ID	G-SB-804-SS	G-SB-805-SS	G-SB-806-SS	G-SB-807-SS	G-SB-808-SS	G-SB-809-SS	G-SB-810-SS	G-SB-811-SS	G-SB-812-SS	G-SB-813-SS
SAMPLE DATE	20100823	20100824	20100824	20100825	20100825	20100825	20100823	20100823	20100824	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	0	0	0	0	0	0	0	0	0	0
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-081	SB-082	SB-083	SB-084	SB-085	SB-086	SB-091	SB-092	SB-254	SB-254	SB-254
SAMPLE ID	SB-81-SS	SB-82-SS	SB-83-SS	SB-84-SS	SB-85-SS	SB-86-SS	SB-91-SS	SB-92-SS	SB-254-SS[12]	SB-254-SS[18]	SB-254-SS[6]
SAMPLE DATE	20041109	20041109	20041102	20041103	20041105	20041115	20040927	20040927	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SB	SB	SS
TOP DEPTH	0	0	0	0	0	0	0	0	1	1.5	0.5
BOTTOM DEPTH	0	0	0	0	0	0	0	0	1	1.5	0.5
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,1,2-TRICHLOROETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,1-DICHLOROETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,1-DICHLOROETHENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,1-DICHLOROPROPENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2-DIBROMOETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2-DICHLOROBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2-DICHLOROETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2-DICHLOROPROPANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,3-DICHLOROBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,3-DICHLOROPROPANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
2-BUTANONE	64 UJ	62 UJ	60 UJ	58 UJ	58 UJ	60 UL	58 UL	54 UL	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
2-CHLOROTOLUENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
2-HEXANONE	64 UJ	62 UJ	60 UJ	58 UJ	58 UJ	60 UL	58 UL	54 UL	NA	NA	NA
4-CHLOROTOLUENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
4-ISOPROPYLTOLUENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
4-METHYL-2-PENTANONE	64 UJ	62 UJ	60 UJ	58 UJ	58 UJ	60 UL	58 UL	54 UL	NA	NA	NA
ACETONE	64 UJ	62 UJ	60 UJ	77 J	58 UJ	60 UL	58 UL	54 UL	NA	NA	NA
BENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
BROMOBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
BROMOCHLOROMETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
BROMODICHLOROMETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
BROMOFORM	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
BROMOMETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CARBON DISULFIDE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CARBON TETRACHLORIDE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CHLOROBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CHLORODIBROMOMETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CHLOROETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CHLOROFORM	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CHLOROMETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
DIBROMOMETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
DICHLORODIFLUOROMETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 UJ	6 UJ	6 UJ	47 J	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
M+P-XYLENES	13 UJ	12 UJ	12 UJ	12 UJ	12 UJ	12 UL	12 UL	11 UL	NA	NA	NA
METHYL TERT-BUTYL ETHER	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
METHYLENE CHLORIDE	6 UJ	7 J	6 UJ	6 UJ	6 UJ	6 J	6 UL	5 UL	NA	NA	NA
NAPHTHALENE	6 UJ	6 UJ	6 UJ	6 UJ	6 J	6 UL	6 UL	5 UL	NA	NA	NA
N-BUTYLBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
N-PROPYLBENZENE	6 UJ	6 UJ	6 UJ	7 J	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
O-XYLENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
SEC-BUTYLBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
STYRENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TOLUENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TRICHLOROETHENE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TRICHLOROFLUOROMETHANE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
VINYL ACETATE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
VINYL CHLORIDE	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1100 U	5200 U	990 U	4800 U	4900 U	5000 UJ	5000 U	4500 U	NA	NA	NA
2,4,6-TRICHLOROPHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA

LOCATION	SB-081	SB-082	SB-083	SB-084	SB-085	SB-086	SB-091	SB-092	SB-254	SB-254	SB-254
SAMPLE ID	SB-81-SS	SB-82-SS	SB-83-SS	SB-84-SS	SB-85-SS	SB-86-SS	SB-91-SS	SB-92-SS	SB-254-SS[12]	SB-254-SS[18]	SB-254-SS[6]
SAMPLE DATE	20041109	20041109	20041102	20041103	20041105	20041115	20040927	20040927	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SB	SB	SS
TOP DEPTH	0	0	0	0	0	0	0	0	1	1.5	0.5
BOTTOM DEPTH	0	0	0	0	0	0	0	0	1	1.5	0.5
2,4-DICHLOROPHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
2,4-DIMETHYLPHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
2,4-DINITROPHENOL	1100 U	5200 U	990 U	4800 U	4900 U	5000 UJ	5000 U	4500 U	NA	NA	NA
2,4-DINITROTOLUENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
2,6-DINITROTOLUENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
2-CHLORONAPHTHALENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
2-CHLOROPHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
2-METHYLPHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
2-NITROANILINE	1100 U	5200 U	990 U	4800 U	4900 U	5000 UJ	5000 U	4500 U	NA	NA	NA
2-NITROPHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
3&4-METHYLPHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
3,3'-DICHLOROBENZIDINE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 UJ	1800 UJ	NA	NA	NA
3-NITROANILINE	1100 U	5200 U	990 U	4800 U	4900 U	5000 UJ	5000 U	4500 U	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	1000 U	4800 U	910 U	4500 U	4500 U	4600 UJ	4600 U	4200 U	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
4-CHLOROANILINE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1100 U	5200 U	990 U	4800 U	4900 U	5000 UJ	5000 U	4500 U	NA	NA	NA
4-NITROPHENOL	1100 U	5200 U	990 U	4800 U	4900 U	5000 UJ	5000 U	4500 U	NA	NA	NA
ACETOPHENONE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 UJ	1800 UJ	NA	NA	NA
BUTYL BENZYL PHTHALATE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 UJ	1800 UJ	NA	NA	NA
CAPROLACTAM	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
CARBAZOLE	430 U	2100 U	400 U	250 J	320 J	2000 UJ	2000 U	1800 U	NA	NA	NA
DIBENZOFURAN	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
DIETHYL PHTHALATE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
DIMETHYL PHTHALATE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
DI-N-BUTYL PHTHALATE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
DI-N-OCTYL PHTHALATE	430 UJ	2100 U	400 U	1900 U	1900 UJ	2000 UJ	2000 UJ	1800 UJ	NA	NA	NA
HEXACHLOROBENZENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
HEXACHLOROBUTADIENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
HEXACHLOROETHANE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
ISOPHORONE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
NITROBENZENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
N-NITROSODIPHENYLAMINE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	NA	NA	NA
PENTACHLOROPHENOL	1100 U	5200 U	990 U	4800 U	4900 U	5000 UJ	5000 U	4500 U	NA	NA	NA
PHENOL	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	940 J	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	260 J	1800 U	NA	NA	NA
ACENAPHTHENE	430 U	2100 U	400 U	320 J	300 J	2000 UJ	640 J	240 J	77 U	75 U	77 U
ACENAPHTHYLENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	77 U	75 U	77 U
ANTHRACENE	430 U	2100 U	400 U	780 J	730 J	2000 UJ	2300 K	950 J	77 U	75 U	77 U
BAP EQUIVALENT-HALFND	378	2100 U	400 U	5264	4984	1785	38001	20536	104	77	213
BAP EQUIVALENT-POS	141	2100 U	400 U	5264	4984	685	38001	20536	66	32	174
BENZO(A)ANTHRACENE	91 J	2100 U	400 U	3100 J	2900 J	550 J	27000 J	13000 J	44 J	24 J	111
BENZO(A)PYRENE	110 J	2100 U	400 U	3400 J	3100 J	530 J	24000 J	13000 J	53 J	29 J	144
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	22000 J	10000 J	42 J	75 U	128
BENZO(B+K)FLUORANTHENE	220 J	2100 U	400 U	7200 J	6700 J	990 J	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	430 UJ	2100 U	400 U	1600 J	1500 J	2000 UJ	24000 J	15000 J	49 J	75 U	44 J
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	17000 J	12000 J	47 J	29 J	146
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	130 J	2100 U	400 U	3600 J	3700 J	600 J	31000 J	16000 J	58 J	34 J	143
DIBENZO(A,H)ANTHRACENE	430 UJ	2100 U	400 U	680 J	780 J	2000 UJ	7200 J	4100 J	77 U	75 U	77 U
FLUORANTHENE	190 J	220 J	400 U	5900 J	5600 J	1200 J	21000 K	10000	63 J	37 J	158
FLUORENE	430 U	2100 U	400 U	270 J	380 J	2000 UJ	490 J	1800 U	77 U	75 U	77 U

LOCATION	SB-081	SB-082	SB-083	SB-084	SB-085	SB-086	SB-091	SB-092	SB-254	SB-254	SB-254
SAMPLE ID	SB-81-SS	SB-82-SS	SB-83-SS	SB-84-SS	SB-85-SS	SB-86-SS	SB-91-SS	SB-92-SS	SB-254-SS[12]	SB-254-SS[18]	SB-254-SS[6]
SAMPLE DATE	20041109	20041109	20041102	20041103	20041105	20041115	20040927	20040927	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SB	SB	SS
TOP DEPTH	0	0	0	0	0	0	0	0	1	1.5	0.5
BOTTOM DEPTH	0	0	0	0	0	0	0	0	1	1.5	0.5
INDENO(1,2,3-CD)PYRENE	430 UJ	2100 U	400 U	1500 J	1400 J	2000 UJ	17000 J	10000 J	38 J	75 U	49 J
NAPHTHALENE	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	380 J	230 J	77 U	75 U	77 U
PHENANTHRENE	110 J	2100 U	400 U	2800 J	3800 J	800 J	13000 K	5500	77 U	75 U	77 U
PYRENE	200 J	2100 U	400 U	4600 J	6900 J	1000 J	55000 J	27000 J	66 J	30 J	185
TOTAL PAHS	1051	220	0 U	35750	37790	5670	262270	137020	460	183	1108
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ALDRIN	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
AROCLOR-1016	330 U	310 U	290 U	280 U	290 U	300 UJ	290 U	260 U	NA	NA	36 U
AROCLOR-1221	330 U	310 U	290 U	280 U	290 U	300 UJ	290 U	260 U	NA	NA	36 U
AROCLOR-1232	330 U	310 U	290 U	280 U	290 U	300 UJ	290 U	260 U	NA	NA	36 U
AROCLOR-1242	330 U	310 U	290 U	280 U	290 U	300 UJ	290 U	260 U	NA	NA	36 U
AROCLOR-1248	330 U	310 U	290 U	280 U	290 U	300 UJ	290 U	260 U	NA	NA	36 U
AROCLOR-1254	330 U	310 U	290 U	280 U	290 U	300 UJ	290 U	260 U	NA	NA	36 U
AROCLOR-1260	330 U	310 U	290 U	280 U	290 U	410 J	780	260 U	NA	NA	11 J
BETA-BHC	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ENDRIN	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	46 U	47 UJ	1200 U	1100 U	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	410	780	0 U	NA	NA	11
TOXAPHENE	NA	NA	NA	NA	1200 U	1200 UJ	12000 U	11000 U	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.2 UL	2.6 UL	2.8 U	2.5 U	3.9 L	2.6 UL	2.5 UL	2.7 UL	NA	NA	NA
ARSENIC	3.6	2	0.93	2.7	3	3.2	2.1	37	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	3.2 U	2.6 U	2.8 U	2.5 U	2.3 U	2.6 U	5.4	4.1	NA	NA	NA
CADMIUM	3.2 UL	2.6 UL	2.8 U	2.5 U	14	5.7	2.5 U	2.7 U	NA	NA	NA
CHROMIUM	21	21	15	19	48	30	25 J	34 J	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	14	16	12	20	45	28	15 J	14 J	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	43	47	6.5	210	340	110 J	60 K	93 K	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.22	0.23	0.11 U	4.2	1.4	0.41	0.1 U	0.11 U	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	12	13	14	7.9	13	280 J	21 K	270 K	NA	NA	NA
SELENIUM	3.2 U	2.6 U	2.8 U	2.5 U	2.3 U	2.6 UL	4.7	3.7	NA	NA	NA
SILVER	3.2 UL	2.6 UL	2.8 UL	2.5 UL	2.3 UL	2.6 UR	2.5 UR	2.7 UR	NA	NA	NA
THALLIUM	2.5 U	2 U	2.2 UL	2 UL	1.8 U	2.1 U	2 U	2.2 U	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	64	73	41 K	93	170	290	84	120	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	12000 U	12000 UJ	12000 U	12000	11000 U	120000 J	23000	12000	NA	NA	NA
GASOLINE RANGE ORGANICS	130 U	120 U	120 U	15000	340	120 UJ	120 U	110 U	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-081	SB-082	SB-083	SB-084	SB-085	SB-086	SB-091	SB-092	SB-254	SB-254	SB-254
SAMPLE ID	SB-81-SS	SB-82-SS	SB-83-SS	SB-84-SS	SB-85-SS	SB-86-SS	SB-91-SS	SB-92-SS	SB-254-SS[12]	SB-254-SS[18]	SB-254-SS[6]
SAMPLE DATE	20041109	20041109	20041102	20041103	20041105	20041115	20040927	20040927	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SB	SB	SS
TOP DEPTH	0	0	0	0	0	0	0	0	1	1.5	0.5
BOTTOM DEPTH	0	0	0	0	0	0	0	0	1	1.5	0.5
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-255	SB-255	SB-255	SB-256	SB-256	SB-256	SB-257	SB-257	SB-257	SB-258	SB-258
SAMPLE ID	SB-255-SS[12]	SB-255-SS[18]	SB-255-SS[6]	SB-256-SS[12]	SB-256-SS[18]	SB-256-SS[6]	SB-257-SS[12]	SB-257-SS[18]	SB-257-SS[6]	SB-258-SS[12]	SB-258-SS[18]
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB	SB
TOP DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
BOTTOM DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-255	SB-255	SB-255	SB-256	SB-256	SB-256	SB-257	SB-257	SB-257	SB-258	SB-258
SAMPLE ID	SB-255-SS[12]	SB-255-SS[18]	SB-255-SS[6]	SB-256-SS[12]	SB-256-SS[18]	SB-256-SS[6]	SB-257-SS[12]	SB-257-SS[18]	SB-257-SS[6]	SB-258-SS[12]	SB-258-SS[18]
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB	SB
TOP DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
BOTTOM DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	78 U	74 U	76 U	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
ACENAPHTHYLENE	78 U	74 U	76 U	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
ANTHRACENE	78 U	74 U	51 J	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
BAP EQUIVALENT-HALFND	90	74 U	1339	77 U	76 U	95	86 U	77 U	157	82 U	82 U
BAP EQUIVALENT-POS	0.022	74 U	1339	77 U	76 U	51	86 U	77 U	117	82 U	82 U
BENZO(A)ANTHRACENE	78 U	74 U	629	77 U	76 U	23 J	86 U	77 U	66 J	82 U	82 U
BENZO(A)PYRENE	78 U	74 U	937	77 U	76 U	45 J	86 U	77 U	88	82 U	82 U
BENZO(B)FLUORANTHENE	78 U	74 U	688	77 U	76 U	39 J	86 U	77 U	95	82 U	82 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	78 U	74 U	832	77 U	76 U	79 U	86 U	77 U	79	82 U	82 U
BENZO(K)FLUORANTHENE	78 U	74 U	673	77 U	76 U	24 J	86 U	77 U	76 J	82 U	82 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22 J	74 U	827	77 U	76 U	27 J	86 U	77 U	76 J	82 U	82 U
DIBENZO(A,H)ANTHRACENE	78 U	74 U	205	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
FLUORANTHENE	78 U	74 U	792	77 U	76 U	30 J	86 U	77 U	97	82 U	82 U
FLUORENE	78 U	74 U	76 U	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U

LOCATION	SB-255	SB-255	SB-255	SB-256	SB-256	SB-256	SB-257	SB-257	SB-257	SB-258	SB-258
SAMPLE ID	SB-255-SS[12]	SB-255-SS[18]	SB-255-SS[6]	SB-256-SS[12]	SB-256-SS[18]	SB-256-SS[6]	SB-257-SS[12]	SB-257-SS[18]	SB-257-SS[6]	SB-258-SS[12]	SB-258-SS[18]
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB	SB
TOP DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
BOTTOM DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
INDENO(1,2,3-CD)PYRENE	78 U	74 U	578	77 U	76 U	79 U	86 U	77 U	123	82 U	82 U
NAPHTHALENE	78 U	74 U	76 U	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
PHENANTHRENE	78 U	74 U	192	77 U	76 U	79 U	86 U	77 U	26 J	82 U	82 U
PYRENE	39 J	74 U	1480	26 J	76 U	45 J	86 U	77 U	89	82 U	82 U
TOTAL PAHS	61	0 U	7884	26	0 U	233	0 U	0 U	815	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	34 U	NA	NA	37 U	NA	NA	37 U	NA	NA
AROCLOR-1221	NA	NA	34 U	NA	NA	37 U	NA	NA	37 U	NA	NA
AROCLOR-1232	NA	NA	34 U	NA	NA	37 U	NA	NA	37 U	NA	NA
AROCLOR-1242	NA	NA	34 U	NA	NA	37 U	NA	NA	37 U	NA	NA
AROCLOR-1248	NA	NA	34 U	NA	NA	37 U	NA	NA	37 U	NA	NA
AROCLOR-1254	NA	NA	34 U	NA	NA	37 U	NA	NA	37 U	NA	NA
AROCLOR-1260	NA	NA	8.2 J	NA	NA	37 U	NA	NA	18 J	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	8.2	NA	NA	0 U	NA	NA	18	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-255	SB-255	SB-255	SB-256	SB-256	SB-256	SB-257	SB-257	SB-257	SB-258	SB-258
SAMPLE ID	SB-255-SS[12]	SB-255-SS[18]	SB-255-SS[6]	SB-256-SS[12]	SB-256-SS[18]	SB-256-SS[6]	SB-257-SS[12]	SB-257-SS[18]	SB-257-SS[6]	SB-258-SS[12]	SB-258-SS[18]
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB	SB
TOP DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
BOTTOM DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-258	SB-259	SB-259	SB-259	SB-260	SB-260	SB-260	SB-261	SB-261	SB-261	SB-410
SAMPLE ID	SB-258-SS[6]	SB-259-SS[12]	SB-259-SS[18]	SB-259-SS[6]	SB-260-SS[12]	SB-260-SS[18]	SB-260-SS[6]	SB-261-SS[12]	SB-261-SS[18]	SB-261-SS[6]	SB-410-0102
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB
TOP DEPTH	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	2
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-258	SB-259	SB-259	SB-259	SB-260	SB-260	SB-260	SB-261	SB-261	SB-261	SB-410
SAMPLE ID	SB-258-SS[6]	SB-259-SS[12]	SB-259-SS[18]	SB-259-SS[6]	SB-260-SS[12]	SB-260-SS[18]	SB-260-SS[6]	SB-261-SS[12]	SB-261-SS[18]	SB-261-SS[6]	SB-410-0102
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB
TOP DEPTH	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	2
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	33 J	79 U	78 U	81 U	80 U	386	300 U	84 U	83 U	81 U	NA
ACENAPHTHYLENE	38 J	79 U	78 U	81 U	80 U	378 U	300 U	84 U	564	81 U	NA
ANTHRACENE	119	28 J	54 J	34 J	73 J	1190	312	84 U	288	81 U	NA
BAP EQUIVALENT-HALFND	1072	290	352	461	244	7481	2832	144	2255	134	12
BAP EQUIVALENT-POS	1072	290	313	461	204	7481	2832	102	2255	94	12
BENZO(A)ANTHRACENE	696	168	233	255	166	4730	1820	69 J	441	69 J	NA
BENZO(A)PYRENE	821 J	164	247	292	161	5570 J	2160 J	80 J	1600	73 J	12 J
BENZO(B)FLUORANTHENE	924 J	146	197	262	173	6240 J	2510 J	93	3040	91	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	175 J	131	158	236	56 J	1250 J	393 J	40 J	737 J	81 U	NA
BENZO(K)FLUORANTHENE	1010 J	169	247	277	173	6090 J	2410 J	87	1710	94	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	847	190	257	296	183	5080	2030	79 J	2060	69 J	NA
DIBENZO(A,H)ANTHRACENE	57 J	76 J	78 U	88	80 U	577 J	158 J	84 U	208	81 U	NA
FLUORANTHENE	1390	367	550	486	401	8940	3290	125	383	137	NA
FLUORENE	29 J	79 U	78 U	81 U	28 J	342 J	84 J	84 U	83 U	81 U	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-258	SB-259	SB-259	SB-259	SB-260	SB-260	SB-260	SB-261	SB-261	SB-261	SB-410
SAMPLE ID	SB-258-SS[6]	SB-259-SS[12]	SB-259-SS[18]	SB-259-SS[6]	SB-260-SS[12]	SB-260-SS[18]	SB-260-SS[6]	SB-261-SS[12]	SB-261-SS[18]	SB-261-SS[6]	SB-410-0102
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB
TOP DEPTH	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	2
INDENO(1,2,3-CD)PYRENE	212 J	167	205	258	69 J	1710 J	545 J	47 J	795	37 J	NA
NAPHTHALENE	84 U	79 U	78 U	81 U	80 U	378 U	300 U	84 U	83 U	81 U	NA
PHENANTHRENE	471	145	239	180	313	4550	1180	29 J	33 J	47 J	NA
PYRENE	1340	343	450	554	302	8150	3000	99	862	105	NA
TOTAL PAHS	8162	2094	2837	3218	2098	54805	19892	748	12721	722	12
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	39 U	NA	NA	38 U	NA	NA	37 U	NA	NA	38 U	NA
AROCLOR-1221	39 U	NA	NA	38 U	NA	NA	37 U	NA	NA	38 U	NA
AROCLOR-1232	39 U	NA	NA	38 U	NA	NA	37 U	NA	NA	38 U	NA
AROCLOR-1242	39 U	NA	NA	38 U	NA	NA	37 U	NA	NA	38 U	NA
AROCLOR-1248	39 U	NA	NA	38 U	NA	NA	37 U	NA	NA	38 U	NA
AROCLOR-1254	39 U	NA	NA	38 U	NA	NA	37 U	NA	NA	38 U	NA
AROCLOR-1260	1190 J	NA	NA	101	NA	NA	378	NA	NA	38 U	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	1190	NA	NA	101	NA	NA	378	NA	NA	0 U	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-258	SB-259	SB-259	SB-259	SB-260	SB-260	SB-260	SB-261	SB-261	SB-261	SB-410
SAMPLE ID	SB-258-SS[6]	SB-259-SS[12]	SB-259-SS[18]	SB-259-SS[6]	SB-260-SS[12]	SB-260-SS[18]	SB-260-SS[6]	SB-261-SS[12]	SB-261-SS[18]	SB-261-SS[6]	SB-410-0102
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB
TOP DEPTH	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-411	SB-412	SB-413	SB-414	SB-415	SB-416	SB-417	SB-418	SB-419	SB-420	SB-421
SAMPLE ID	SB-411-0102	SB-412-0102	SB-413-0102	SB-414-0102	SB-415-0102	SB-416-0102	SB-417-0102	SB-418-0102	SB-419-0102	SB-420-0102	SB-421-0102
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-411	SB-412	SB-413	SB-414	SB-415	SB-416	SB-417	SB-418	SB-419	SB-420	SB-421
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SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	160	140	1.4 U	3000	210	11	13	43	21	1.6 U
BAP EQUIVALENT-POS	1.6 U	160	140	1.4 U	3000	210	11	13	43	21	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	160 J	140 J	1.4 U	3000	210 J	11 J	13 J	43 J	21 J	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	160	140	0 U	3000	210	11	13	43	21	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	83.9	88.8	85.1	95.9	84.8	92.5	90.8	91.8	83.5	93	82.9
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-411	SB-412	SB-413	SB-414	SB-415	SB-416	SB-417	SB-418	SB-419	SB-420	SB-421
SAMPLE ID	SB-411-0102	SB-412-0102	SB-413-0102	SB-414-0102	SB-415-0102	SB-416-0102	SB-417-0102	SB-418-0102	SB-419-0102	SB-420-0102	SB-421-0102
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-422	SB-423	SB-424	SB-425	SB-426	SB-427	SB-428	SB-429	SB-430	SB-431	SB-432
SAMPLE ID	SB-422-0102	SB-423-0102	SB-424-0102	SB-425-0102	SB-426-0102	SB-427-0102	SB-428-0102	SB-429-0102	SB-430-0102	SB-431-0102	SB-432-0102
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-422	SB-423	SB-424	SB-425	SB-426	SB-427	SB-428	SB-429	SB-430	SB-431	SB-432
SAMPLE ID	SB-422-0102	SB-423-0102	SB-424-0102	SB-425-0102	SB-426-0102	SB-427-0102	SB-428-0102	SB-429-0102	SB-430-0102	SB-431-0102	SB-432-0102
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	9.9	990	75	80	340	64	12	2000	390	1.4 U
BAP EQUIVALENT-POS	1.5 U	9.9	990	75	80	340	64	12	2000	390	1.4 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	9.9 J	990	75 J	80 J	340 J	64 J	12 J	2000	390	1.4 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-422	SB-423	SB-424	SB-425	SB-426	SB-427	SB-428	SB-429	SB-430	SB-431	SB-432
SAMPLE ID	SB-422-0102	SB-423-0102	SB-424-0102	SB-425-0102	SB-426-0102	SB-427-0102	SB-428-0102	SB-429-0102	SB-430-0102	SB-431-0102	SB-432-0102
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	9.9	990	75	80	340	64	12	2000	390	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	87.7	92.2	89	93.9	85.6	90.1	92.3	95.4	91.1	92.1	92.7
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-422	SB-423	SB-424	SB-425	SB-426	SB-427	SB-428	SB-429	SB-430	SB-431	SB-432
SAMPLE ID	SB-422-0102	SB-423-0102	SB-424-0102	SB-425-0102	SB-426-0102	SB-427-0102	SB-428-0102	SB-429-0102	SB-430-0102	SB-431-0102	SB-432-0102
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-433	SB-434	SB-435	SB-436	SB-437	SB-438	SB-439	SB-440	SB-441	SB-442	SB-443
SAMPLE ID	SB-433-0102	SB-434-0102	SB-435-0102	SB-436-0102	SB-437-0102	SB-438-0102	SB-439-0102	SB-440-0102	SB-441-0102	SB-442-0102	SB-443-0102
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-433	SB-434	SB-435	SB-436	SB-437	SB-438	SB-439	SB-440	SB-441	SB-442	SB-443
SAMPLE ID	SB-433-0102	SB-434-0102	SB-435-0102	SB-436-0102	SB-437-0102	SB-438-0102	SB-439-0102	SB-440-0102	SB-441-0102	SB-442-0102	SB-443-0102
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	45	1.5 U	19	47	230	1.4 U	15	1.5 U	120	15	53
BAP EQUIVALENT-POS	45	1.5 U	19	47	230	1.4 U	15	1.5 U	120	15	53
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	45 J	1.5 U	19 J	47 J	230 J	1.4 U	15 J	1.5 U	120 J	15 J	53 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-433	SB-434	SB-435	SB-436	SB-437	SB-438	SB-439	SB-440	SB-441	SB-442	SB-443
SAMPLE ID	SB-433-0102	SB-434-0102	SB-435-0102	SB-436-0102	SB-437-0102	SB-438-0102	SB-439-0102	SB-440-0102	SB-441-0102	SB-442-0102	SB-443-0102
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	45	0 U	19	47	230	0 U	15	0 U	120	15	53
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	95.5	87.2	89.9	87	89.8	89.8	86.5	87.8	89.1	84.6	87.1
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-433	SB-434	SB-435	SB-436	SB-437	SB-438	SB-439	SB-440	SB-441	SB-442	SB-443
SAMPLE ID	SB-433-0102	SB-434-0102	SB-435-0102	SB-436-0102	SB-437-0102	SB-438-0102	SB-439-0102	SB-440-0102	SB-441-0102	SB-442-0102	SB-443-0102
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-444	SB-445	SB-446	SB-447	SB-448	SB-449	SB-450	SB-451	SB-452	SB-453	SB-454
SAMPLE ID	SB-444-0102	SB-445-0102	SB-446-0102	SB-447-0102	SB-448-0102	SB-449-0102	SB-450-0102	SB-451-0102	SB-452-0102	SB-453-0102	SB-454-0102
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-444	SB-445	SB-446	SB-447	SB-448	SB-449	SB-450	SB-451	SB-452	SB-453	SB-454
SAMPLE ID	SB-444-0102	SB-445-0102	SB-446-0102	SB-447-0102	SB-448-0102	SB-449-0102	SB-450-0102	SB-451-0102	SB-452-0102	SB-453-0102	SB-454-0102
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	8.6	17	110	1.5 U	22	1.4 U	12	1.5 U	120	7.9	1.6 U
BAP EQUIVALENT-POS	8.6	17	110	1.5 U	22	1.4 U	12	1.5 U	120	7.9	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	8.6 J	17 J	110 J	1.5 U	22 J	1.4 U	12 J	1.5 U	120 J	7.9 J	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-444	SB-445	SB-446	SB-447	SB-448	SB-449	SB-450	SB-451	SB-452	SB-453	SB-454
SAMPLE ID	SB-444-0102	SB-445-0102	SB-446-0102	SB-447-0102	SB-448-0102	SB-449-0102	SB-450-0102	SB-451-0102	SB-452-0102	SB-453-0102	SB-454-0102
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	8.6	17	110	0 U	22	0 U	12	0 U	120	7.9	0 U
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	86.7	82.7	89.8	85.7	87.7	90.8	85.1	86.2	91.4	86.3	81.7
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-444	SB-445	SB-446	SB-447	SB-448	SB-449	SB-450	SB-451	SB-452	SB-453	SB-454
SAMPLE ID	SB-444-0102	SB-445-0102	SB-446-0102	SB-447-0102	SB-448-0102	SB-449-0102	SB-450-0102	SB-451-0102	SB-452-0102	SB-453-0102	SB-454-0102
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-19
Summary of Analytical Results for Surface Soils, 0-2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-455	SB-456	SB-457	SB-457	SB-458	SB-458	SB-459	SB-459	SB-460	SB-460	SB-461
SAMPLE ID	SB-455-0102	SB-456-0102	SB-457-0000	SB-457-0102	SB-458-0000	SB-458-0102	SB-459-0000	SB-459-0102	SB-460-0000	SB-460-0102	SB-461-0000
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	1	1	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	2	2	0	2	0	2	0	2	0	2	0
VOLATILES (UG/KG)											
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-455	SB-456	SB-457	SB-457	SB-458	SB-458	SB-459	SB-459	SB-460	SB-460	SB-461
SAMPLE ID	SB-455-0102	SB-456-0102	SB-457-0000	SB-457-0102	SB-458-0000	SB-458-0102	SB-459-0000	SB-459-0102	SB-460-0000	SB-460-0102	SB-461-0000
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	1	1	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	2	2	0	2	0	2	0	2	0	2	0
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	300	260	8.9	1.5 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	1.5 U	1.5 U	300	260	8.9	1.5 U	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.5 U	300 J	260 J	8.9 J	1.5 U	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-455	SB-456	SB-457	SB-457	SB-458	SB-458	SB-459	SB-459	SB-460	SB-460	SB-461
SAMPLE ID	SB-455-0102	SB-456-0102	SB-457-0000	SB-457-0102	SB-458-0000	SB-458-0102	SB-459-0000	SB-459-0102	SB-460-0000	SB-460-0102	SB-461-0000
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	1	1	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	2	2	0	2	0	2	0	2	0	2	0
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	300	260	8.9	0 U	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)											
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	1.4	1.6	2.3	2.4	0.91 L	1.8 L	0.99 L	1.9 L	0.8 L
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	85.4	87.8	86.4	89.6	88.1	87.7	87.5	87.6	89.8	90.5	86.4
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)											
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)											
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-455	SB-456	SB-457	SB-457	SB-458	SB-458	SB-459	SB-459	SB-460	SB-460	SB-461
SAMPLE ID	SB-455-0102	SB-456-0102	SB-457-0000	SB-457-0102	SB-458-0000	SB-458-0102	SB-459-0000	SB-459-0102	SB-460-0000	SB-460-0102	SB-461-0000
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	1	1	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH	2	2	0	2	0	2	0	2	0	2	0
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-461	SB-494	SB-494	SB-495	SB-495	SB-496	SB-496
SAMPLE ID	SB-461-0102	SB-494-0000	SB-494-0102	SB-495-0000	SB-495-0102	SB-496-0000	SB-496-0102
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1
BOTTOM DEPTH	2	0	2	0	2	0	2
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-461	SB-494	SB-494	SB-495	SB-495	SB-496	SB-496
SAMPLE ID	SB-461-0102	SB-494-0000	SB-494-0102	SB-495-0000	SB-495-0102	SB-496-0000	SB-496-0102
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1
BOTTOM DEPTH	2	0	2	0	2	0	2
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-461	SB-494	SB-494	SB-495	SB-495	SB-496	SB-496
SAMPLE ID	SB-461-0102	SB-494-0000	SB-494-0102	SB-495-0000	SB-495-0102	SB-496-0000	SB-496-0102
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1
BOTTOM DEPTH	2	0	2	0	2	0	2
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	2.5 L	1.3 L	1.6 L	0.92 L	0.92 L	1.2 L	1.1 L
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	87.3	88.9	87.9	90.6	90.9	89.8	90.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-461	SB-494	SB-494	SB-495	SB-495	SB-496	SB-496
SAMPLE ID	SB-461-0102	SB-494-0000	SB-494-0102	SB-495-0000	SB-495-0102	SB-496-0000	SB-496-0102
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1	0	1	0	1	0	1
BOTTOM DEPTH	2	0	2	0	2	0	2
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-194	SB-194	SB-198	SB-198	SB-254	SB-254	SB-255	SB-255	SB-257RE	SB-257RE	SB-653
SAMPLE ID			G-SB-194RE-1	G-SB-194RE-2	G-SB-198RE-1	G-SB-198RE-2	G-SB-254RE-1	G-SB-254RE-2	G-SB-255RE-1	G-SB-255RE-2	G-SB-257RE-1	G-SB-257RE-2	G-SB-653-1
SAMPLE DATE			20090930	20090930	20090929	20090929	20090930	20090930	20091001	20091001	20091002	20091002	20090930
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			1	2	1	2	1	2	1	2	1	2	1
BOTTOM DEPTH			1	2	1	2	1	2	1	2	1	2	1
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	**1192**	4.2	**163**	**228**	**30**	**41**	**720**	**74**	**32**	1.5 U	**144**
BAP EQUIVALENT-POS	22	15 C	**1192**	2.7	**163**	**228**	**30**	**41**	**720**	**74**	**31**	1.5 U	**144**
BENZO(A)ANTHRACENE	220	150 C	**780**	1.1 U	84	140	13	17	**330**	31	25	1.1 U	80
BENZO(A)PYRENE	22	15 C	**800**	1.5 U	**100**	**150**	11	**18**	**490**	**42**	**24**	1.5 U	**86**
BENZO(B)FLUORANTHENE	220	150 C	**1000**	8.5	120	**170**	21	29	**560**	50	27	1.4 U	96
BENZO(B+K)FLUORANTHENE	220 [5]	150 C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	340	2 U	53	70	1.9 U	9.3	190	16	15	1.9 U	40
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	860	7.8	89	130	18	16	390	36	29	1 U	79
DIBENZO(A,H)ANTHRACENE	22	15 C	**160**	1.5 U	**34**	**37**	14	**16**	**110**	**20**	1.5 U	1.5 U	**34**
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	**500**	18	75	87	19	23	**290**	39	14	1.7 U	62
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	4440	34.3	555	784	96	128.3	2360	234	134	0 U	477
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220 C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-653	SB-653A	SB-653B	SB-653D	SB-654	SB-654	SB-654B	SB-654C	SB-655	SB-655	SB-656
SAMPLE ID					G-SB-653-2	G-SB-653A-1	G-SB-653B-1	G-SB-653D-1	G-SB-654-1	G-SB-654-2	G-SB-654B-1	G-SB-654C-1	G-SB-655-1	G-SB-655-2	G-SB-656-1
SAMPLE DATE					20090930	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20090930	20090930	20090930
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					2	1	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH					2	1	1	1	1	2	1	1	1	2	1
VOLATILES (UG/KG)															
1,1-DICHLOROETHANE	1600000		3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000		24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC		6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000		82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000		210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000		500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600		2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)															
BENZOIC ACID	NC		24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000		340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22		15		396	368	174	46	65	399	98	52	55	12	76
BAP EQUIVALENT-POS	22		15	C	396	368	174	45	64	399	98	52	51	11	75
BENZO(A)ANTHRACENE	220		150	C	230	180	86	20	53	340	91	38	5.2 U	7.7	38
BENZO(A)PYRENE	22		15	C	250	240	110	36	49	270	75	38	43	9.2	60
BENZO(B)FLUORANTHENE	220		150	C	270	270	130	42	59	300	93	69	76	12	66
BENZO(B+K)FLUORANTHENE	220	[5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000		170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200		1500	C	110	100	40	8.9	13	130	35	15	9.3 U	1.9 U	25
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	240	230	98	22	57	330	92	52	71	8.8	56
DIBENZO(A,H)ANTHRACENE	22		15	C	79	65	34	1.4 U	1.5 U	48	1.5 U	1.5 U	7.1 U	1.4 U	1.4 U
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220		150	C	160	170	78	30	39	150	39	27	8.2 U	1.7 U	46
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000		170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000		170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC		NC		1339	1255	576	158.9	270	1568	425	239	190	37.7	291
PESTICIDES/PCBS (UG/KG)															
AROCLOR-1254	320		110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320		220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320	[8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9		7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000	[10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)															
PERCENT SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)															
PH	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-656	SB-656C	SB-656D	SB-657A	SB-657B	SB-657D	SB-658B	SB-658C	SB-659C	SB-659D	SB-662A
SAMPLE ID					G-SB-656-2	G-SB-656C-2	G-SB-656D-2	G-SB-657A-1	G-SB-657B-1	G-SB-657D-1	G-SB-658B-1	G-SB-658C-1	G-SB-659C-1	G-SB-659D-1	G-SB-662A-1
SAMPLE DATE					20090930	20091029	20091029	20091028	20091028	20091028	20091028	20091028	20091029	20091029	20091029
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					2	2	2	1	1	1	1	1	1	1	1
BOTTOM DEPTH					2	2	2	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)															
1,1-DICHLOROETHANE	1600000		3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000		24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC		6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000		82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000		210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000		500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600		2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)															
BENZOIC ACID	NC		24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000		340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22		15		226	4.2	59	1893	1188	31	58	72	81	23	627
BAP EQUIVALENT-POS	22		15	C	226	2.6	58	1893	1180	30	58	71	80	22	627
BENZO(A)ANTHRACENE	220		150	C	110	1.1 U	48	1000	1300	26	52	46	78	21	380
BENZO(A)PYRENE	22		15	C	130	1.4 U	43	1300	870	22	46	55	59	17	450
BENZO(B)FLUORANTHENE	220		150	C	190	26	74	1200	1700	42	61	78	130	31	500
BENZO(B+K)FLUORANTHENE	220	[5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000		170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200		1500	C	62	1.9 U	22	610	860	1.9 U	29	25	2 U	2 U	260
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	130	1 U	56	1200	1400	24	65	55	81	17	370
DIBENZO(A,H)ANTHRACENE	22		15	C	54	1.4 U	1.5 U	290	14 U	1.4 U	1.5 U	1.4 U	1.5 U	1.5 U	59
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220		150	C	110	1.7 U	30	760	16 U	14	1.7 U	32	1.8 U	1.8 U	270
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000		170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000		170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC		NC		786	26	273	6360	6130	128	253	291	348	86	2289
PESTICIDES/PCBS (UG/KG)															
AROCLOR-1254	320		110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320		220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320	[8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9		7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000	[10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)															
PERCENT SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)															
PH	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-662B	SB-662C	SB-669	SB-669	SB-670	SB-670	SB-671	SB-671	SB-671	SB-671	SB-671B
SAMPLE ID				G-SB-662B-1	G-SB-662C-1	G-SB-669-1	G-SB-669-2	G-SB-670-1	G-SB-670-2	G-SB-671-1	G-SB-671-2	G-SB-671-2-AVG	G-SB-671-2-D	G-SB-671B-1
SAMPLE DATE				20091029	20091029	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091111
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	2	1	2	1	2	2	2	1
BOTTOM DEPTH				1	1	1	2	1	2	1	2	2	2	1
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6	58	44	105	55	22	434	1.5 U	1.5 U	1.5 U	229
BAP EQUIVALENT-POS	22	15	C	0.01	58	44	105	55	21	434	1.5 U	1.5 U	1.5 U	229
BENZO(A)ANTHRACENE	220	150	C	1.1 U	48	20	49	24	15	270	1.1 U	1.1 U	1.1 U	140
BENZO(A)PYRENE	22	15	C	1.4 U	43	21	58	29	15	300	1.5 U	1.5 U	1.5 U	150
BENZO(B)FLUORANTHENE	220	150	C	1.3 U	68	29	81	39	22	320	1.4 U	1.4 U	1.4 U	180
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	24	13	28	10	10	170	2 U	2 U	2 U	60
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	10	57	26	50	26	15	240	1 U	1 U	1 U	140
DIBENZO(A,H)ANTHRACENE	22	15	C	1.4 U	1.5 U	16	28	17	1.5 U	59	1.5 U	1.5 U	1.5 U	37
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	27	23	54	27	22	140	1.7 U	1.7 U	1.7 U	94
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		10	267	148	348	172	99	1499	0 U	0 U	0 U	801
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-671C	SB-671D	SB-672	SB-672	SB-677	SB-677	SB-677	SB-677	SB-677A	SB-677B	SB-677D
SAMPLE ID					G-SB-671C-1	G-SB-671D-1	G-SB-672-1	G-SB-672-2	G-SB-677-1	G-SB-677-1-AVG	G-SB-677-1-D	G-SB-677-2	G-SB-677A-1	G-SB-677B-1	G-SB-677D-1
SAMPLE DATE					20091111	20091111	20090929	20090929	20091001	20091001	20091001	20091001	20091030	20091030	20091030
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					1	1	1	2	1	1	1	2	1	1	1
BOTTOM DEPTH					1	1	1	2	1	1	1	2	1	1	1
VOLATILES (UG/KG)															
1,1-DICHLOROETHANE	1600000		3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000		24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC		6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000		82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000		210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000		500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600		2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)															
BENZOIC ACID	NC		24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000		340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22		15		24	22	60	57	20437	14418	8400	1978	1193	77	14
BAP EQUIVALENT-POS	22		15	C	23	22	58	57	20437	14418	8400	1978	1193	77	13
BENZO(A)ANTHRACENE	220		150	C	12	13	32	37	15000 J	10500	6000 J	1500	750	49	1.1 U
BENZO(A)PYRENE	22		15	C	17	16	44	43	14000 J	9900	5800 J	1300	820	59	13
BENZO(B)FLUORANTHENE	220		150	C	21	18	53	58	16000 J	11050	6100 J	1600	850	88	1.3 U
BENZO(B+K)FLUORANTHENE	220	[5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000		170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200		1500	C	8.9	9.5	29	16	5100 J	3700	2300 J	560	370	28	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	15	12	39	41	16000 J	11300	6600 J	1500	800	55	11
DIBENZO(A,H)ANTHRACENE	22		15	C	1.5 U	1.6 U	3.7 U	1.5 U	2600 J	1850	1100 J	290	160	1.6 U	1.5 U
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220		150	C	24	24	56	38	6700 J	4650	2600 J	710	480	36	1.7 U
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000		170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000		170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC		NC		97.9	92.5	253	233	75400	52950	30500	7460	4230	315	24
PESTICIDES/PCBS (UG/KG)															
AROCLOR-1254	320		110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320		220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320	[8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9		7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000	[10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)															
PERCENT SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)															
PH	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-678	SB-678	SB-678B	SB-678C	SB-679	SB-679	SB-679C	SB-679D	SB-680	SB-680	SB-680D
SAMPLE ID			G-SB-678-1	G-SB-678-2	G-SB-678B-1	G-SB-678C-1	G-SB-679-1	G-SB-679-2	G-SB-679C-1	G-SB-679D-1	G-SB-680-1	G-SB-680-2	G-SB-680D-1
SAMPLE DATE			20091001	20091001	20091111	20091030	20091001	20091001	20091030	20091030	20091001	20091001	20091102
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			1	2	1	1	1	2	1	1	1	2	1
BOTTOM DEPTH			1	2	1	1	1	2	1	1	1	2	1
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	208	249	8306	33	596	114	424	151	666	449	87
BAP EQUIVALENT-POS	22	15 C	208	249	8306	32	596	114	424	151	666	449	87
BENZO(A)ANTHRACENE	220	150 C	100	190	3700	12	520	47	160	51	420	260	49 J
BENZO(A)PYRENE	22	15 C	130	160	5700	26	400	72	280	98	430	300	60 J
BENZO(B)FLUORANTHENE	220	150 C	150	210	6700	27	510	71	340	110	560	350	78 J
BENZO(B+K)FLUORANTHENE	220 [5]	150 C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	65	83	2100	8.6	190	35	130	44	170	150	25 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	120	170	4500	15	460	57	160	49	460	290	47 J
DIBENZO(A,H)ANTHRACENE	22	15 C	43	38	1200	1.5 U	73	24	75	30	110	68	9.9 J
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	94	98	3400	22	180	54	180	67	260	180	38 J
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	702	949	27300	110.6	2333	360	1325	449	2410	1598	306.9
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220 C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-680D	SB-680D	SB-693A	SB-693B	SB-693D	SB-734	SB-735	SB-735A	SB-735B	SB-735C	SB-736
SAMPLE ID				G-SB-680D-1-AVG	G-SB-680D-1-D	G-SB-693A-2	G-SB-693B-2	G-SB-693D-2	G-SB-734-0-4	G-SB-735-1	G-SB-735A-1	G-SB-735B-1	G-SB-735C-1	G-SB-736-1
SAMPLE DATE				20091102	20091102	20091027	20091027	20091027	20090923	20091021	20091112	20091112	20091112	20091021
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH				1	1	2	2	2	0	1	1	1	1	1
BOTTOM DEPTH				1	1	2	2	2	4	1	1	1	1	1
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1671	3256	23	72	71	530	474	2101	6250	256	572
BAP EQUIVALENT-POS	22	15	C	1671	3256	22	72	71	523	474	2101	6250	255	572
BENZO(A)ANTHRACENE	220	150	C	824.5	1600 J	16	41	42	560	320	1600	4600	190	410
BENZO(A)PYRENE	22	15	C	1230	2400 J	17	49	47	380	330	1400	4300	200	390
BENZO(B)FLUORANTHENE	220	150	C	1289	2500 J	20	45	54	520	340	1900	5700	240	560
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	232.5	440 J	2.1 U	27	21	250	130	1000	2500	110	240
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	873.5	1700 J	19	48	55	470	340	1800	4800	210	370
DIBENZO(A,H)ANTHRACENE	22	15	C	169.95	330 J	1.6 U	11	11	15 U	57	260	660	1.6 U	61
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	569	1100 J	12	30	35	320	190	790	2300	110	210
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		5188.45	10070	84	251	265	2500	1707	8750	24860	1060	2241
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	810000	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-736B	SB-736C	SB-737	SB-738	SB-738	SB-738	SB-739
SAMPLE ID				G-SB-736B-1	G-SB-736C-1	G-SB-737-1	G-SB-738-2	G-SB-738-2-AVG	G-SB-738-2-D	G-SB-739-2
SAMPLE DATE				20091112	20091112	20091021	20091008	20091008	20091008	20091008
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	2	2	2	2
BOTTOM DEPTH				1	1	1	2	2	2	2
VOLATILES (UG/KG)										
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**1255**	**1513**	**123**	5.8	5.1	4.5	**27**
BAP EQUIVALENT-POS	22	15	C	**1253**	**1513**	**123**	4.8	4.3	3.7	**27**
BENZO(A)ANTHRACENE	220	150	C	**1200**	**1200**	74	3.3 J	3.05	2.8 J	15
BENZO(A)PYRENE	22	15	C	**950**	**1000**	**97**	3.6 J	3.2	2.8 J	**18**
BENZO(B)FLUORANTHENE	220	150	C	**1300**	**1400**	120	5.7 J	4.55	3.4 J	26
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	550	650	44	1.7 U	1.475	2.1 J	1.6 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1300	1100	91	3.5 J	3.35	3.2 J	17
DIBENZO(A,H)ANTHRACENE	22	15	C	3.4 U	**190**	1.5 U	1.8 U	1.75 U	1.7 U	3.8 J
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**460**	**550**	57	3.4 J	2.9	2.4 J	11
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		5760	6090	483	19.5	18.1	16.7	90.8
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2	G-TP-2	G-TP-2	SB-091	SB-091	SB-091A	SB-091B
SAMPLE ID				G-TP-1-3-1-2	G-TP-1-4-1-2	G-TP-2-1-1-3	G-TP-2-2-1-3	G-TP-2-4-1-3	G-TP-2-6-1-2	G-TP-2-7-1-2	G-SB-91RE-1	G-SB-91RE-2	G-SB-91REA-1	G-SB-91REB-1
SAMPLE DATE				20100921	20100921	20100921	20100921	20100921	20100921	20100921	20090930	20090930	20091030	20091102
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1	2	1	1
BOTTOM DEPTH				2	2	3	3	3	2	2	1	2	1	1
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	35 U	NA	4.2 U	NA	4.2 U	13 U	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	460	NA	4.2 U	NA	4.2 U	13 U	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	340	NA	4.2 U	NA	4.2 U	13 U	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	1200	NA	4.2 U	NA	4.2 U	140	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	2800	NA	4.2 U	NA	10	270	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		11699	NA	4.2 U	NA	58	1283	NA	13342	107	62	1.4 U
BAP EQUIVALENT-POS	22	15	C	11699	NA	4.2 U	NA	58	1283	NA	13342	107	61	1.4 U
BENZO(A)ANTHRACENE	220	150	C	11000	NA	4.2 U	NA	32	910	NA	6500	36	31	1.1 U
BENZO(A)PYRENE	22	15	C	7500 J	NA	4.2 U	NA	46 J	820 J	NA	9300	64	47	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	10000	NA	4.2 U	NA	35	940	NA	11000	65	70	1.3 U
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	5600	NA	4.2 U	NA	26	690	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	4800	NA	4.2 U	NA	4.2 U	420	NA	3400	26	20	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	41000 J	NA	82 U	NA	NA	1100 J	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	47000 J	NA	82 U	NA	NA	1200 J	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	1200 J	NA	82 U	NA	NA	87 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	33000 J	NA	82 U	NA	NA	820 J	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	20000 J	NA	82 U	NA	NA	590 J	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	3800 J	NA	82 U	NA	NA	87 U	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	1800 J	NA	82 U	NA	NA	87 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	31000 J	NA	82 U	NA	NA	770 J	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	7000 J	NA	82 U	NA	NA	210 J	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	7200 J	NA	82 U	NA	NA	200 J	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	4000 J	NA	82 U	NA	NA	87 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	17000 J	NA	82 U	NA	NA	450 J	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	3000 J	NA	82 U	NA	NA	92 J	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	4100 J	NA	82 U	NA	NA	92 J	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	5900 J	NA	82 U	NA	NA	160 J	NA	NA	NA	NA
CHRYSENE	22000	15000	C	11000	NA	1.4 U	NA	39	1000	NA	8200	42	42	0.99 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1600 J	NA	4.2 U	NA	4.2 U	220 J	NA	1700	27	1.5 U	1.4 U
FLUORANTHENE	310000	230000	N	20000	NA	4.2 U	NA	48	1400	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	600	NA	4.2 U	NA	4.2 U	13 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	4400 J	NA	4.2 U	NA	34 J	530 J	NA	5500	56	38	1.7 U
NAPHTHALENE	160000	3600	C	660	NA	4.2 U	NA	4.2 U	53	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	12000	NA	4.2 U	NA	25	570	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	28000	NA	9.4	NA	71	2300	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		121960	NA	9.4	NA	366	10263	NA	45600	316	248	0 U
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-091C G-SB-91REC-1 20091102 NORMAL SO NORMAL SB 1 1	SB-092 G-SB-92RE-1 20090929 NORMAL SO NORMAL SB 1 1	SB-092 G-SB-92RE-2 20090929 NORMAL SO NORMAL SB 2 2	SB-092C G-SB-92REC-1 20091102 NORMAL SO NORMAL SB 1 1	SB-092D G-SB-92RED-1 20091102 ORIG SO NORMAL SB 1 1	SB-092D G-SB-92RED-1-AVG 20091102 AVG SO NORMAL SB 1 1	SB-092D G-SB-92RED-1-D 20091102 DUP SO NORMAL SB 1 1	SB-183 SB-183-SS 20041102 NORMAL SO NORMAL SS 0 0	SB-194 SB-194-SS 20050511 NORMAL SO NORMAL SS 0 1	SB-195 SB-195-SS 20050510 NORMAL SO NORMAL SS 0 1	SB-196 SB-196-SS 20050511 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	1 J	2 U
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.5	2 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	1.2 J	2 U
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	3.36 J	14.5	4.16 J
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	30.5 J	128 J	29.3 J
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	1.8 J	2.1 J	2 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	4.1 U	4.8 U	3.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	1 U	2.1 U	2.4 U	2 U
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	2.4 U	2 U
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	1 U	1.6 J	3.6	0.79 J
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	2.1 U	1.3 J	2 U
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	40.9 B	174 J	49.6 B
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	187 U	200 U	185 U
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	374 U	399 U	371 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	77.1 U	82.2 U	76.3 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 J
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	36 J	82 U	100
BAP EQUIVALENT-HALFND	22	15		**229**	**65**	**71**	**21**	**22**	**29**	**36**	NA	**516**	**112**	**1242**
BAP EQUIVALENT-POS	22	15	C	**229**	**64**	**70**	**20**	**21**	**28**	**35**	NA	**516**	**67**	**1242**
BENZO(A)ANTHRACENE	220	150	C	1.1 U	48	52	14	19	20.5	22	NA	**335**	43 J	**757**
BENZO(A)PYRENE	22	15	C	**160**	**50**	**56**	**16**	**19**	**23.5**	**28**	NA	**382**	**56 J**	**949**
BENZO(B)FLUORANTHENE	220	150	C	**180**	61	54	19	1.3 UJ	15.325	30 J	NA	**314**	62 J	**838**
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	150	82 U	273
BENZO(K)FLUORANTHENE	2200	1500	C	62	22	29	2 U	1.9 U	5.975	11	NA	402	82 U	1070
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	62	51	57	14	22	23	24	NA	423	58 J	933
DIBENZO(A,H)ANTHRACENE	22	15	C	**33**	1.5 U	1.5 U	1.6 U	1.4 U	1.45 U	1.5 U	NA	**50 J**	82 U	**93**
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	504	82 J	1140
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
INDENO(1,2,3-CD)PYRENE	220	150	C	120	27	31	10	1.6 UJ	9.9	19 J	NA	143	82 U	**264**
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	77 U	82 U	76 U
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	109	30 J	291
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	682	91	1720
TOTAL PAHS	NC	NC		622	259	279	73	60	97	134	NA	3530	422	8506
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	35 U
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	36 U	38 U	13 J
TOTAL AROCLOR	320 [8]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	0 U	0 U	13
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	0.6 L	2	0.9 L
ARSENIC	0.43	0.39	C	NA	**5.4**	**3.3**	NA	NA	NA	NA	NA	2 B	2 B	1 B
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	34	55	22
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	0.6	0.7	0.3
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	0.1 B	0.2 B	0.2 B
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	11.2	14.7	11.4
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	**7.2**	**15.8**	**3.2**
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	6	9	5
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	5	8	4
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	0.02	0.02	0.02
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	11	11	5
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	2 U
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	**20.2**	**25.7**	**20.9**
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	26	32	16
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	12000 U	77200	29600	114000
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	10700 U	12500 U	9600 U
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	7.1	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-197	SB-198	SB-199	SB-740	SB-741	SB-742	SB-743	SB-744	SB-745	SB-745A	SB-745B
SAMPLE ID				SB-197-SS	SB-198-SS	SB-199-SS	G-SB-740-2	G-SB-741-2	G-SB-742-2	G-SB-743-2	G-SB-744-2	G-SB-745-2	G-SB-745A-2	G-SB-745B-2
SAMPLE DATE				20050511	20050511	20050511	20091008	20091009	20091009	20091009	20091009	20091009	20091021	20091021
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				0	0	0	2	2	2	2	2	2	2	2
BOTTOM DEPTH				1	1	1	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	1.5 J	2.2 U	0.83 J	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	5.52 J	10.9	9 U	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	62.9 J	105 J	10.4 J	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	2.7	1.6 J	6.2	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	4.7 U	4.4 U	4.5 U	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	2.3 U	2.2 U	2.9	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	2.3 U	2.2 U	2.2 U	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	2 J	2.2 U	1.6 J	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	1.1 J	2.2 U	0.65 J	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	74.4 B	80.2 B	40.9 B	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		207 U	190 U	186 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	414 U	380 U	372 U	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	85.3 U	78.2 U	76.5 U	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	85 U	27 J	44 J	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		115	226	186	2.1 U	2.3	11	59	71	277	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	73	187	147	2.1 U	0.19	9.6	59	71	277	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	56 J	117	142	1.2 U	1.3 U	5.7 J	33	46	200	1.2 U	1.1 U
BENZO(A)PYRENE	22	15	C	59 J	154	117	2.1 U	2.3 U	7.4 J	40	49	180	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	39 J	111	89	1.5 U	1.9 J	11	46	61	310	1.5 U	1.4 U
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	51 J	92	62 J	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	52 J	130	111	1.6 U	1.7 U	1.7 U	19	21	7.9 U	2.1 U	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	66 J	153	164	1.3 U	1.4 U	7.2 J	37	46	210	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	85 U	78 U	77 U	1.6 U	1.8 U	1.8 U	8.1	7.5 J	35 J	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	92	212	297	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	85 U	78 U	21 J	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	38 J	86	61 J	0.41 U	0.45 U	5.6 J	24	31	100	1.8 U	1.7 U
NAPHTHALENE	160000	3600	C	85 U	78 U	77 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	26 J	46 J	280	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	95	214	332	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		574	1342	1720	0 U	1.9	36.9	207.1	261.5	1036	0 U	0 U
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	40 U	12 J	37 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	40 U	36 U	37 U	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[8]	0 U	12	0 U	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	1 L	0.7 L	1 L	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	5	2 B	3 B	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	74	39	33	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	1.3	0.5	0.5	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	0.3 B	0.2 B	0.1 B	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	19.8	13.1	13.8	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	51.2	5.8	7.6	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	10	7	6	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		13	11	5	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	0.02	0.04	0.02	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	18	8	6	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	39.2	22.2	26.2	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	45	23	20	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		32200	163000	139000	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		11600 U	10500 U	10100 U	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-745C G-SB-745C-2 20091021 NORMAL SO NORMAL SB 2 2	SB-746 G-SB-746-2 20091009 NORMAL SO NORMAL SB 2 2	SB-747 G-SB-747-2 20091009 ORIG SO NORMAL SB 2 2	SB-747 G-SB-747-2-AVG 20091009 AVG SO NORMAL SB 2 2	SB-747 G-SB-747-2-D 20091009 DUP SO NORMAL SB 2 2	SB-748 G-SB-748-2 20091009 NORMAL SO NORMAL SB 2 2	SB-749 G-SB-749-2 20091021 NORMAL SO NORMAL SB 2 2	SB-750 G-SB-750-2 20091021 NORMAL SO NORMAL SB 2 2	SB-751 G-SB-751-2 20091021 NORMAL SO NORMAL SB 2 2	SB-752 G-SB-752-2 20091021 NORMAL SO NORMAL SB 2 2	SB-753 G-SB-753-2 20091021 NORMAL SO NORMAL SB 2 2
SAMPLE ID														
SAMPLE DATE														
SAMPLE CODE														
MATRIX														
SAMPLE TYPE														
SUBMATRIX														
TOP DEPTH														
BOTTOM DEPTH														
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2661	140	2.2 U	53	105	2.2 U	2.5	1.5 U	1.5 U	18	17
BAP EQUIVALENT-POS	22	15	C	2661	140	2.2 U	53	105	2.2 U	0.81	1.5 U	1.5 U	18	16
BENZO(A)ANTHRACENE	220	150	C	1800	95	1.2 UJ	25.3	50 J	1.3 U	1.1 U	1.1 U	1.1 U	13	15
BENZO(A)PYRENE	22	15	C	1800	93	2.2 UJ	32.55	64 J	2.2 U	1.5 U	1.5 U	1.5 U	14	13
BENZO(B)FLUORANTHENE	220	150	C	2300	150	1.6 UJ	55.4	110 J	1.6 U	8.1	1.4 U	1.3 U	15	17
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	930	1.6 U	1.6 U	1.65 U	1.7 U	1.6 U	2 U	2 U	1.9 U	1.9 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1600	92	1.3 UJ	29.325	58 J	1.4 U	1.1 U	1 U	1 U	14	14
DIBENZO(A,H)ANTHRACENE	22	15	C	340	17	1.7 UJ	9.925	19 J	1.7 U	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1000	57	0.42 UJ	29.105	58 J	0.43 U	1.8 U	1.7 U	1.7 U	9.3	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		9770	504	0 U	179.5	359	0 U	8.1	0 U	0 U	65.3	59
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	31 J	34 J	39 J
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-754 G-SB-754-2 20091021 NORMAL SO NORMAL SB 2 2	SB-755 G-SB-755-2 20091103 NORMAL SO NORMAL SB 2 2	SB-756 G-SB-756-2 20091103 NORMAL SO NORMAL SB 2 2	SB-757 G-SB-757-2 20091103 NORMAL SO NORMAL SB 2 2	SB-758 G-SB-758-2 20091103 NORMAL SO NORMAL SB 2 2	SB-759 G-SB-759-1 20091113 NORMAL SO NORMAL SB 1 1	SB-760 G-SB-760-1 20091113 NORMAL SO NORMAL SB 1 1	SB-761 G-SB-761-1 20090930 NORMAL SO NORMAL SB 1 1	SB-761A G-SB-761A-1 20091022 NORMAL SO NORMAL SB 1 1	SB-761B G-SB-761B-1 20091022 NORMAL SO NORMAL SB 1 1	SB-761C G-SB-761C-1 20091022 NORMAL SO NORMAL SB 1 1
VOLATILES (UG/KG)															
1,1-DICHLOROETHANE	1600000		3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000		24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC		6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000		2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000		6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000		82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000		210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000		500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600		2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)															
BENZOIC ACID	NC		24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000		1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000		340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000		340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000		1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22		15		1.6 U	6012	1.6 U	3202	112	1252	751	11	214	131	37081
BAP EQUIVALENT-POS	22		15	C	1.6 U	6012	1.6 U	3202	112	1252	751	10	214	131	37081
BENZO(A)ANTHRACENE	220		150	C	1.2 U	4300	1.1 U	2200	50	860	450	9.7	110	110	34000
BENZO(A)PYRENE	22		15	C	1.6 U	4100	1.6 U	2200	78	810	510	8.3	150	89	24000
BENZO(B)FLUORANTHENE	220		150	C	1.5 U	5700	1.4 U	2800	92	960	700	9.6	140	95	27000
BENZO(B+K)FLUORANTHENE	220	[5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000		170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200		1500	C	2.1 U	1800	2 U	930	40	440	250	1.9 U	61	43	14000
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	1.1 U	4100	1.1 U	2400	54	890	470	9.3	130	130	41000
DIBENZO(A,H)ANTHRACENE	22		15	C	1.6 U	660	1.6 U	370	14	200	95	1.5 U	29	16	5300
FLUORANTHENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000		230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220		150	C	1.8 U	2300	1.8 U	1200	51	550	280	1.7 U	97	51	15000
NAPHTHALENE	160000		3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000		170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000		170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC		NC		0 U	22960	0 U	12100	379	4710	2755	36.9	717	534	160300
PESTICIDES/PCBS (UG/KG)															
AROCLOR-1254	320		110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320		220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320	[8]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43		0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9		7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000	[10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400		400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3	[11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160		150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39		39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8		39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		170000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)															
PERCENT SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)															
PH	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-761D G-SB-761D-1 20091022 NORMAL SO NORMAL SB 1 1	SB-762 G-SB-762-1 20091001 NORMAL SO NORMAL SB 1 1	SB-762A G-SB-762A-1 20091022 NORMAL SO NORMAL SB 1 1	SB-762B G-SB-762B-1 20091023 NORMAL SO NORMAL SB 1 1	SB-762C G-SB-762C-1 20091022 NORMAL SO NORMAL SB 1 1	SB-762D G-SB-762D-1 20091022 NORMAL SO NORMAL SB 1 1	SB-763 G-SB-763-1 20091001 NORMAL SO NORMAL SB 1 1	SB-763A G-SB-763A-1 20091023 NORMAL SO NORMAL SB 1 1	SB-763B G-SB-763B-1 20091027 NORMAL SO NORMAL SB 1 1	SB-763C G-SB-763C-1 20091023 NORMAL SO NORMAL SB 1 1	SB-763D G-SB-763D-1 20091023 NORMAL SO NORMAL SB 1 1
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		38270	1.6 U	461	1.5 U	76	67	13	740	83	198	71
BAP EQUIVALENT-POS	22	15	C	38270	1.6 U	461	1.5 U	75	66	12	740	83	198	70
BENZO(A)ANTHRACENE	220	150	C	31000	1.1 U	310	1.1 U	73	43	9.1	500	52	130	49
BENZO(A)PYRENE	22	15	C	27000	1.6 U	320	1.5 U	58	53	8.4	530	67	140	54
BENZO(B)FLUORANTHENE	220	150	C	27000	1.4 U	360	1.4 U	61	56	9.4	600	65	160	75
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	13000	2 U	140	2 U	31	24	2.1 U	260	35	72	34
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	40000	1.1 U	340	1 U	78	48	11	540	61	150	62
DIBENZO(A,H)ANTHRACENE	22	15	C	3900	1.6 U	53	1.5 U	1.5 U	1.5 U	1.6 U	63	1.5 U	20	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	14000	1.8 U	140	1.7 U	31	28	19	280	36	79	32
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		155900	0 U	1668	0 U	332	252	56.9	2779	316	751	306
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-764 G-SB-764-1 20091002 NORMAL SO NORMAL SB 1 1	SB-764A G-SB-764A-1 20091027 NORMAL SO NORMAL SB 1 1	SB-764B G-SB-764B-1 20091113 NORMAL SO NORMAL SB 1 1	SB-764C G-SB-764C-1 20091027 NORMAL SO NORMAL SB 1 1	SB-764D G-SB-764D-1 20091027 NORMAL SO NORMAL SB 1 1	SB-765 G-SB-765-1 20091002 NORMAL SO NORMAL SB 1 1	SB-765A G-SB-765A-1 20091028 NORMAL SO NORMAL SB 1 1	SB-765B G-SB-765B-1 20091113 NORMAL SO NORMAL SB 1 1	SB-765C G-SB-765C-1 20091028 NORMAL SO NORMAL SB 1 1	SB-765D G-SB-765D-1 20091028 NORMAL SO NORMAL SB 1 1	SB-803 G-SB-803-SS 20100826 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
BAP EQUIVALENT-HALFND	22	15		27	580	21	26405	38666	2.5	619	53	318	38	3.9 U
BAP EQUIVALENT-POS	22	15	C	26	580	20	26405	38666	0.81	619	53	318	37	3.9 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	370	12	19000	24000	1.1 U	460	30	170	11	3.9 U
BENZO(A)PYRENE	22	15	C	23	390	14	18000	27000	1.5 U	410	41	210	30	3.9 U
BENZO(B)FLUORANTHENE	220	150	C	26	430	25	20000	28000	8	470	42	230	33	3.9 U
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	170	11	8300	14000	1.9 U	170	25	77	1.9 U	3.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	400	14	22000	26000	8.9	540	40	220	12	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	89	1.5 U	3300	4600	1.5 U	68	1.6 U	53	1.5 U	3.9 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	190	25	11000	17000	1.7 U	260	41	140	26	3.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
TOTAL PAHS	NC	NC		49	2039	101	101600	140600	16.9	2398	219	1100	112	0 U
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-804 G-SB-804-SS 20100823 NORMAL SO NORMAL SS 0 1	SB-805 G-SB-805-SS 20100824 NORMAL SO NORMAL SS 0 1	SB-806 G-SB-806-SS 20100824 NORMAL SO NORMAL SS 0 1	SB-807 G-SB-807-SS 20100825 NORMAL SO NORMAL SS 0 1	SB-808 G-SB-808-SS 20100825 NORMAL SO NORMAL SS 0 1	SB-809 G-SB-809-SS 20100825 NORMAL SO NORMAL SS 0 1	SB-810 G-SB-810-SS 20100823 NORMAL SO NORMAL SS 0 1	SB-811 G-SB-811-SS 20100823 NORMAL SO NORMAL SS 0 1	SB-812 G-SB-812-SS 20100824 NORMAL SO NORMAL SS 0 1	SB-813 G-SB-813-SS 20100826 NORMAL SO NORMAL SS 0 1
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	3.9 U	3.8 U	140	3.8 U	3.4 U	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	3.8 U	220	3.8 U	3.4 U	3.7 U	4.4 U	3.9 U	9.2	3.8 U
ACENAPHTHENE	470000	340000	N	3.9 U	3.8 U	300 J	3.8 U	3.4 UJ	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
ACENAPHTHYLENE	470000	340000	N[4]	3.9 U	3.8 U	750	3.8 U	3.4 U	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
ANTHRACENE	2300000	1700000	N	3.9 U	3.8 U	1500 J	3.8 U	27	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
BAP EQUIVALENT-HALFND	22	15		3.9 U	3.8 U	5726	20	351	16	4.4 U	14	37	3.8 U
BAP EQUIVALENT-POS	22	15	C	3.9 U	3.8 U	5707	18	351	14	4.4 U	11	35	3.8 U
BENZO(A)ANTHRACENE	220	150	C	3.9 U	3.8 U	4600	12	160	10	4.4 U	8.8	3.9 U	3.8 U
BENZO(A)PYRENE	22	15	C	3.9 U	3.8 U	4400 J	14	240	11	4.4 U	9.3	32 J	3.8 U
BENZO(B)FLUORANTHENE	220	150	C	3.9 U	3.8 U	5900 J	14	230	16	4.4 U	12	27 J	3.8 U
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	3.9 U	3.8 U	3000 J	14	250	13	4.4 U	3.9 U	3.9 U	3.8 U
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 U	3.8 U	2200 J	8	100	3.7 U	4.4 U	3.9 U	30 J	3.8 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	260 J
C1-FLUORANTHENES/PYRENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	270 J
C1-FLUORENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	130 J
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	140 J
C2-FLUORENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C2-NAPHTHALENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	160 J
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C3-FLUORENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C3-NAPHTHALENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	100 J
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C4-NAPHTHALENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	77 U	NA	76 U	NA	74 U	90 U	NA	79 U	76 U
CHRYSENE	22000	15000	C	1.3 U	1.3 U	4800	15	200	18	1.5 U	10	25	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	3.8 U	38 U	3.8 U	54	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
FLUORANTHENE	310000	230000	N	3.9 U	3.8 U	6300 J	16	180	13	4.4 U	13	50 J	22 J
FLUORENE	310000	230000	N	3.9 U	3.8 U	390 J	3.8 U	3.4 U	3.7 U	4.4 U	3.9 U	3.9 U	3.8 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	3.8 U	2300 J	10	170	7.5	4.4 U	3.9 U	3.9 U	3.8 U
NAPHTHALENE	160000	3600	C	3.9 U	3.8 U	290	3.8 U	7.3	3.7 U	4.4 U	3.9 U	7.9	3.8 U
PHENANTHRENE	2300000	170000	N[6]	3.9 U	3.8 U	2900 J	3.8 U	28	3.7 U	4.4 U	3.9 U	32 J	3.8 U
PYRENE	230000	170000	N	3.9 U	3.8 U	12000	27	420	17	4.4 U	17	35	12
TOTAL PAHS	NC	NC		0 U	0 U	51850	130	2066.3	105.5	0 U	70.1	248.1	34
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]		USEPA Regional Screening Levels (RSLs) [2][3]		SB-081	SB-082	SB-083	SB-084	SB-085	SB-086	SB-091	SB-092	SB-254	SB-254	SB-254
SAMPLE ID					SB-81-SS	SB-82-SS	SB-83-SS	SB-84-SS	SB-85-SS	SB-86-SS	SB-91-SS	SB-92-SS	SB-254-SS[12]	SB-254-SS[18]	SB-254-SS[6]
SAMPLE DATE					20041109	20041109	20041102	20041103	20041105	20041115	20040927	20040927	20050511	20050511	20050511
SAMPLE CODE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX					SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE					NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX					SS	SS	SS	SS	SS	SS	SS	SS	SB	SB	SS
TOP DEPTH					0	0	0	0	0	0	0	0	1	1.5	0.5
BOTTOM DEPTH					0	0	0	0	0	0	0	0	1	1.5	0.5
VOLATILES (UG/KG)															
1,1-DICHLOROETHANE	1600000		3300	C	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,1-DICHLOROETHENE	390000		24000	N	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC		6200	N	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
2-BUTANONE	4700000		2800000	N	64 UJ	62 UJ	60 UJ	58 UJ	58 UJ	60 UL	58 UL	54 UL	NA	NA	NA
ACETONE	7000000		6100000	N	64 UJ	62 UJ	60 UJ	77 J	58 UJ	60 UL	58 UL	54 UL	NA	NA	NA
CARBON DISULFIDE	780000		82000	N	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
ISOPROPYLBENZENE	780000		210000	N	6 UJ	6 UJ	6 UJ	47 J	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
METHYLENE CHLORIDE	85000		11000	C	6 UJ	7 J	6 UJ	6 UJ	6 UJ	6 J	6 UL	5 UL	NA	NA	NA
NAPHTHALENE	160000		3600	C	6 UJ	6 UJ	6 UJ	6 UJ	6 J	6 UL	6 UL	5 UL	NA	NA	NA
N-PROPYLBENZENE	NC		340000	N	6 UJ	6 UJ	6 UJ	7 J	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TOLUENE	630000		500000	N	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
TRICHLOROETHENE	1600		2800	C	6 UJ	6 UJ	6 UJ	6 UJ	6 UJ	6 UL	6 UL	5 UL	NA	NA	NA
SEMIVOLATILES (UG/KG)															
BENZOIC ACID	NC		24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000		NC		430 U	2100 U	400 U	250 J	320 J	2000 UJ	2000 U	1800 U	NA	NA	NA
PHENOL	2300000		1800000	N	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	940 J	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)															
1-METHYLNAPHTHALENE	NC		22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000		31000	N	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	260 J	1800 U	NA	NA	NA
ACENAPHTHENE	470000		340000	N	430 U	2100 U	400 U	320 J	300 J	2000 UJ	640 J	240 J	77 U	75 U	77 U
ACENAPHTHYLENE	470000		340000	N[6]	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	2000 U	1800 U	77 U	75 U	77 U
ANTHRACENE	2300000		1700000	N	430 U	2100 U	400 U	780 J	730 J	2000 UJ	2300 K	950 J	77 U	75 U	77 U
BAP EQUIVALENT-HALFND	22		15		378	2100 U	400 U	5264	4984	1785	38001	20536	104	77	213
BAP EQUIVALENT-POS	22		15	C	141	2100 U	400 U	5264	4984	685	38001	20536	66	32	174
BENZO(A)ANTHRACENE	220		150	C	91 J	2100 U	400 U	3100 J	2900 J	550 J	27000 J	13000 J	44 J	24 J	111
BENZO(A)PYRENE	22		15	C	110 J	2100 U	400 U	3400 J	3100 J	530 J	24000 J	13000 J	53 J	29 J	144
BENZO(B)FLUORANTHENE	220		150	C	NA	NA	NA	NA	NA	NA	22000 J	10000 J	42 J	75 U	128
BENZO(B+K)FLUORANTHENE	220	[5]	150	C[5]	220 J	2100 U	400 U	7200 J	6700 J	990 J	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000		170000	N[6]	430 UJ	2100 U	400 U	1600 J	1500 J	2000 UJ	24000 J	15000 J	49 J	75 U	44 J
BENZO(K)FLUORANTHENE	2200		1500	C	NA	NA	NA	NA	NA	NA	17000 J	12000 J	47 J	29 J	146
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000		15000	C	130 J	2100 U	400 U	3600 J	3700 J	600 J	31000 J	16000 J	58 J	34 J	143
DIBENZO(A,H)ANTHRACENE	22		15	C	430 UJ	2100 U	400 U	680 J	780 J	2000 UJ	7200 J	4100 J	77 U	75 U	77 U
FLUORANTHENE	310000		230000	N	190 J	220 J	400 U	5900 J	5600 J	1200 J	21000 K	10000	63 J	37 J	158
FLUORENE	310000		230000	N	430 U	2100 U	400 U	270 J	380 J	2000 UJ	490 J	1800 U	77 U	75 U	77 U
INDENO(1,2,3-CD)PYRENE	220		150	C	430 UJ	2100 U	400 U	1500 J	1400 J	2000 UJ	17000 J	10000 J	38 J	75 U	49 J
NAPHTHALENE	160000		3600	C	430 U	2100 U	400 U	1900 U	1900 U	2000 UJ	380 J	230 J	77 U	75 U	77 U
PHENANTHRENE	2300000		170000	N[6]	110 J	2100 U	400 U	2800 J	3800 J	800 J	13000 K	5500	77 U	75 U	77 U
PYRENE	230000		170000	N	200 J	2100 U	400 U	4600 J	6900 J	1000 J	55000 J	27000 J	66 J	30 J	185
TOTAL PAHS	NC		NC		1051	220	0 U	35750	37790	5670	262270	137020	460	183	1108
PESTICIDES/PCBS (UG/KG)															
AROCLOR-1254	320		110	N[7]	330 U	310 U	290 U	280 U	290 U	300 UJ	290 U	260 U	NA	NA	36 U
AROCLOR-1260	320		220	C	330 U	310 U	290 U	280 U	290 U	410 J	780	260 U	NA	NA	11 J
TOTAL AROCLOR	320	[8]	220	C[9]	0 U	0 U	0 U	0 U	0 U	410	780	0 U	NA	NA	11
METALS (MG/KG)															
ANTIMONY	3.1		3.1	N	3.2 UL	2.6 UL	2.8 U	2.5 U	3.9 L	2.6 UL	2.5 UL	2.7 UL	NA	NA	NA
ARSENIC	0.43		0.39	C	3.6	2	0.93	2.7	3	3.2	2.1	37	NA	NA	NA
BARIUM	1600		1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16		16	N	3.2 U	2.6 U	2.8 U	2.5 U	2.3 U	2.6 U	5.4	4.1	NA	NA	NA
CADMIUM	3.9		7	N	3.2 UL	2.6 UL	2.8 U	2.5 U	14	5.7	2.5 U	2.7 U	NA	NA	NA
CHROMIUM	12000	[10]	12000	N[10]	21	21	15	19	48	30	25 J	34 J	NA	NA	NA
COBALT	NC		2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310		310	N	14	16	12	20	45	28	15 J	14 J	NA	NA	NA
LEAD	400		400		43	47	6.5	210	340	110 J	60 K	93 K	NA	NA	NA
MERCURY	2.3	[11]	2.3	N[12]	0.22	0.23	0.11 U	4.2	1.4	0.41	0.1 U	0.11 U	NA	NA	NA
NICKEL	160		150	N	12	13	14	7.9	13	280 J	21 K	270 K	NA	NA	NA
SELENIUM	39		39	N	3.2 U	2.6 U	2.8 U	2.5 U	2.3 U	2.6 UL	4.7	3.7	NA	NA	NA
VANADIUM	7.8		39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300		2300	N	64	73	41 K	93	170	290	84	120	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)															
DIESEL RANGE ORGANICS	230000		NC		12000 U	12000 UJ	12000 U	12000	11000 U	120000 J	23000	12000	NA	NA	NA
GASOLINE RANGE ORGANICS	230000		NC		130 U	120 U	120 U	15000	340	120 UJ	120 U	110 U	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)															
PERCENT SOLIDS	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)															
PH	NC		NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-255	SB-255	SB-255	SB-256	SB-256	SB-256	SB-257	SB-257	SB-257	SB-258	SB-258
SAMPLE ID			SB-255-SS[12]	SB-255-SS[18]	SB-255-SS[6]	SB-256-SS[12]	SB-256-SS[18]	SB-256-SS[6]	SB-257-SS[12]	SB-257-SS[18]	SB-257-SS[6]	SB-258-SS[12]	SB-258-SS[18]
SAMPLE DATE			20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SS	SB	SB	SS	SB	SB	SS	SB	SB
TOP DEPTH			1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
BOTTOM DEPTH			1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	78 U	74 U	76 U	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
ACENAPHTHYLENE	470000	340000 N[6]	78 U	74 U	76 U	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
ANTHRACENE	2300000	1700000 N	78 U	74 U	51 J	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
BAP EQUIVALENT-HALFND	22	15	90	74 U	1339	77 U	76 U	95	86 U	77 U	157	82 U	82 U
BAP EQUIVALENT-POS	22	15 C	0.022	74 U	1339	77 U	76 U	51	86 U	77 U	117	82 U	82 U
BENZO(A)ANTHRACENE	220	150 C	78 U	74 U	629	77 U	76 U	23 J	86 U	77 U	66 J	82 U	82 U
BENZO(A)PYRENE	22	15 C	78 U	74 U	937	77 U	76 U	45 J	86 U	77 U	88	82 U	82 U
BENZO(B)FLUORANTHENE	220	150 C	78 U	74 U	688	77 U	76 U	39 J	86 U	77 U	95	82 U	82 U
BENZO(B+K)FLUORANTHENE	220 [5]	150 C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	78 U	74 U	832	77 U	76 U	79 U	86 U	77 U	79	82 U	82 U
BENZO(K)FLUORANTHENE	2200	1500 C	78 U	74 U	673	77 U	76 U	24 J	86 U	77 U	76 J	82 U	82 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	22 J	74 U	827	77 U	76 U	27 J	86 U	77 U	76 J	82 U	82 U
DIBENZO(A,H)ANTHRACENE	22	15 C	78 U	74 U	205	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
FLUORANTHENE	310000	230000 N	78 U	74 U	792	77 U	76 U	30 J	86 U	77 U	97	82 U	82 U
FLUORENE	310000	230000 N	78 U	74 U	76 U	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
INDENO(1,2,3-CD)PYRENE	220	150 C	78 U	74 U	578	77 U	76 U	79 U	86 U	77 U	123	82 U	82 U
NAPHTHALENE	160000	3600 C	78 U	74 U	76 U	77 U	76 U	79 U	86 U	77 U	79 U	82 U	82 U
PHENANTHRENE	2300000	170000 N[6]	78 U	74 U	192	77 U	76 U	79 U	86 U	77 U	26 J	82 U	82 U
PYRENE	230000	170000 N	39 J	74 U	1480	26 J	76 U	45 J	86 U	77 U	89	82 U	82 U
TOTAL PAHS	NC	NC	61	0 U	7884	26	0 U	233	0 U	0 U	815	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110 N[7]	NA	NA	34 U	NA	NA	37 U	NA	NA	37 U	NA	NA
AROCLOR-1260	320	220 C	NA	NA	8.2 J	NA	NA	37 U	NA	NA	18 J	NA	NA
TOTAL AROCLOR	320 [8]	220 C[9]	NA	NA	8.2	NA	NA	0 U	NA	NA	18	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-258	SB-259	SB-259	SB-259	SB-260	SB-260	SB-260	SB-261	SB-261	SB-261	SB-410
SAMPLE ID			SB-258-SS[6]	SB-259-SS[12]	SB-259-SS[18]	SB-259-SS[6]	SB-260-SS[12]	SB-260-SS[18]	SB-260-SS[6]	SB-261-SS[12]	SB-261-SS[18]	SB-261-SS[6]	SB-410-0102
SAMPLE DATE			20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20071017
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SS	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB
TOP DEPTH			0.5	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH			0.5	1	1.5	1	1	1.5	0.5	1	1.5	0.5	2
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	33 J	79 U	78 U	81 U	80 U	386	300 U	84 U	83 U	81 U	NA
ACENAPHTHYLENE	470000	340000 N[4]	38 J	79 U	78 U	81 U	80 U	378 U	300 U	84 U	564	81 U	NA
ANTHRACENE	2300000	1700000 N	119	28 J	54 J	34 J	73 J	1190	312	84 U	288	81 U	NA
BAP EQUIVALENT-HALFND	22	15	1072	290	352	461	244	7481	2832	144	2255	134	12
BAP EQUIVALENT-POS	22	15 C	1072	290	313	461	204	7481	2832	102	2255	94	12
BENZO(A)ANTHRACENE	220	150 C	696	168	233	255	166	4730	1820	69 J	441	69 J	NA
BENZO(A)PYRENE	22	15 C	821 J	164	247	292	161	5570 J	2160 J	80 J	1600	73 J	12 J
BENZO(B)FLUORANTHENE	220	150 C	924 J	146	197	262	173	6240 J	2510 J	93	3040	91	NA
BENZO(B+K)FLUORANTHENE	220 [5]	150 C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	175 J	131	158	236	56 J	1250 J	393 J	40 J	737 J	81 U	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1010 J	169	247	277	173	6090 J	2410 J	87	1710	94	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	847	190	257	296	183	5080	2030	79 J	2060	69 J	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	57 J	76 J	78 U	88	80 U	577 J	158 J	84 U	208	81 U	NA
FLUORANTHENE	310000	230000 N	1390	367	550	486	401	8940	3290	125	383	137	NA
FLUORENE	310000	230000 N	29 J	79 U	78 U	81 U	28 J	342 J	84 J	84 U	83 U	81 U	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	212 J	167	205	258	69 J	1710 J	545 J	47 J	795	37 J	NA
NAPHTHALENE	160000	3600 C	84 U	79 U	78 U	81 U	80 U	378 U	300 U	84 U	83 U	81 U	NA
PHENANTHRENE	2300000	170000 N[6]	471	145	239	180	313	4550	1180	29 J	33 J	47 J	NA
PYRENE	230000	170000 N	1340	343	450	554	302	8150	3000	99	862	105	NA
TOTAL PAHS	NC	NC	8162	2094	2837	3218	2098	54805	19892	748	12721	722	12
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110 N[7]	39 U	NA	NA	38 U	NA	NA	37 U	NA	NA	38 U	NA
AROCLOR-1260	320	220 C	1190 J	NA	NA	101	NA	NA	378	NA	NA	38 U	NA
TOTAL AROCLOR	320 [8]	220 C[9]	1190	NA	NA	101	NA	NA	378	NA	NA	0 U	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.3
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-411	SB-412	SB-413	SB-414	SB-415	SB-416	SB-417	SB-418	SB-419	SB-420	SB-421
SAMPLE ID			SB-411-0102	SB-412-0102	SB-413-0102	SB-414-0102	SB-415-0102	SB-416-0102	SB-417-0102	SB-418-0102	SB-419-0102	SB-420-0102	SB-421-0102
SAMPLE DATE			20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH			2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.6 U	160	140	1.4 U	3000	210	11	13	43	21	1.6 U
BAP EQUIVALENT-POS	22	15 C	1.6 U	160	140	1.4 U	3000	210	11	13	43	21	1.6 U
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	1.6 U	160 J	140 J	1.4 U	3000	210 J	11 J	13 J	43 J	21 J	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	220 [5]	150 C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	160	140	0 U	3000	210	11	13	43	21	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220 C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	83.9	88.8	85.1	95.9	84.8	92.5	90.8	91.8	83.5	93	82.9
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-422	SB-423	SB-424	SB-425	SB-426	SB-427	SB-428	SB-429	SB-430	SB-431	SB-432
SAMPLE ID			SB-422-0102	SB-423-0102	SB-424-0102	SB-425-0102	SB-426-0102	SB-427-0102	SB-428-0102	SB-429-0102	SB-430-0102	SB-431-0102	SB-432-0102
SAMPLE DATE			20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071018	20071018	20071018	20071018
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH			2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	9.9	990	75	80	340	64	12	2000	390	1.4 U
BAP EQUIVALENT-POS	22	15 C	1.5 U	9.9	990	75	80	340	64	12	2000	390	1.4 U
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	1.5 U	9.9 J	990	75 J	80 J	340 J	64 J	12 J	2000	390	1.4 U
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	220 [5]	150 C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	9.9	990	75	80	340	64	12	2000	390	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220 C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	87.7	92.2	89	93.9	85.6	90.1	92.3	95.4	91.1	92.1	92.7
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-433	SB-434	SB-435	SB-436	SB-437	SB-438	SB-439	SB-440	SB-441	SB-442	SB-443
SAMPLE ID				SB-433-0102	SB-434-0102	SB-435-0102	SB-436-0102	SB-437-0102	SB-438-0102	SB-439-0102	SB-440-0102	SB-441-0102	SB-442-0102	SB-443-0102
SAMPLE DATE				20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071019	20071019	20071019
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH				2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)														
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		45	1.5 U	19	47	230	1.4 U	15	1.5 U	120	15	53
BAP EQUIVALENT-POS	22	15	C	45	1.5 U	19	47	230	1.4 U	15	1.5 U	120	15	53
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	45 J	1.5 U	19 J	47 J	230 J	1.4 U	15 J	1.5 U	120 J	15 J	53 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		45	0 U	19	47	230	0 U	15	0 U	120	15	53
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		95.5	87.2	89.9	87	89.8	89.8	86.5	87.8	89.1	84.6	87.1
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-444	SB-445	SB-446	SB-447	SB-448	SB-449	SB-450	SB-451	SB-452	SB-453	SB-454
SAMPLE ID			SB-444-0102	SB-445-0102	SB-446-0102	SB-447-0102	SB-448-0102	SB-449-0102	SB-450-0102	SB-451-0102	SB-452-0102	SB-453-0102	SB-454-0102
SAMPLE DATE			20071019	20071019	20071019	20071019	20071019	20071019	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH			2	2	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	8.6	17	110	1.5 U	22	1.4 U	12	1.5 U	120	7.9	1.6 U
BAP EQUIVALENT-POS	22	15 C	8.6	17	110	1.5 U	22	1.4 U	12	1.5 U	120	7.9	1.6 U
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	8.6 J	17 J	110 J	1.5 U	22 J	1.4 U	12 J	1.5 U	120 J	7.9 J	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	220 [5]	150 C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	8.6	17	110	0 U	22	0 U	12	0 U	120	7.9	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220 C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	86.7	82.7	89.8	85.7	87.7	90.8	85.1	86.2	91.4	86.3	81.7
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-455	SB-456	SB-457	SB-457	SB-458	SB-458	SB-459	SB-459	SB-460	SB-460	SB-461
SAMPLE ID			SB-455-0102	SB-456-0102	SB-457-0000	SB-457-0102	SB-458-0000	SB-458-0102	SB-459-0000	SB-459-0102	SB-460-0000	SB-460-0102	SB-461-0000
SAMPLE DATE			20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH			1	1	0	1	0	1	0	1	0	1	0
BOTTOM DEPTH			2	2	0	2	0	2	0	2	0	2	0
VOLATILES (UG/KG)													
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.5 U	300	260	8.9	1.5 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.5 U	300	260	8.9	1.5 U	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	1.5 U	1.5 U	300 J	260 J	8.9 J	1.5 U	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	220 [5]	150 C[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	300	260	8.9	0 U	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1254	320	110 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220 C[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	1.4	1.6	2.3	2.4	0.91 L	1.8 L	0.99 L	1.9 L	0.8 L
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000 N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[13]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	85.4	87.8	86.4	89.6	88.1	87.7	87.5	87.6	89.8	90.5	86.4
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-20
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-461	SB-494	SB-494	SB-495	SB-495	SB-496	SB-496
SAMPLE ID				SB-461-0102	SB-494-0000	SB-494-0102	SB-495-0000	SB-495-0102	SB-496-0000	SB-496-0102
SAMPLE DATE				20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SS	SB	SS	SB	SS	SB
TOP DEPTH				1	0	1	0	1	0	1
BOTTOM DEPTH				2	0	2	0	2	0	2
VOLATILES (UG/KG)										
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	220 [5]	150	C[5]	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1254	320	110	N[7]	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [8]	220	C[9]	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	**2.5 L**	**1.3 L**	**1.6 L**	**0.92 L**	**0.92 L**	**1.2 L**	**1.1 L**
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [10]	12000	N[10]	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [11]	2.3	N[12]	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[13]	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC		87.3	88.9	87.9	90.6	90.9	89.8	90.3
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value for acenaphthene is used as a surrogate for acenaphthylene.
5 - The value is for benzo(b)fluoranthene.
6 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
7 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
8 - The value is for PCB (total).
9 - The value is for polychlorinated biphenyls (high risk).
10 - The value is for trivalent chromium.
11 - The value is for mercury (inorganic/mercuric dichloride).
12 - The value is for mercuric chloride.
13 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

LOCATION	SB-194	SB-194	SB-194	SB-196	SB-196	SB-196	SB-196	SB-196	SB-196
SAMPLE ID	G-SB-194RE-3	G-SB-194RE-4	G-SB-194RE-5	G-SB-196RE-10	G-SB-196RE-6	G-SB-196RE-7	G-SB-196RE-7-AVG	G-SB-196RE-7-D	G-SB-196RE-8
SAMPLE DATE	20090930	20090930	20090930	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	6	7	7	7	8
BOTTOM DEPTH	3	4	5	10	6	7	7	7	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-194	SB-194	SB-194	SB-196	SB-196	SB-196	SB-196	SB-196	SB-196
SAMPLE ID	G-SB-194RE-3	G-SB-194RE-4	G-SB-194RE-5	G-SB-196RE-10	G-SB-196RE-6	G-SB-196RE-7	G-SB-196RE-7-AVG	G-SB-196RE-7-D	G-SB-196RE-8
SAMPLE DATE	20090930	20090930	20090930	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	6	7	7	7	8
BOTTOM DEPTH	3	4	5	10	6	7	7	7	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	10	1.5 U	51	21	424	57	45	33	1.6 U
BAP EQUIVALENT-POS	9.1	1.5 U	50	20	424	56	44	33	1.6 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	31	14	250	37 J	29	21 J	1.2 U
BENZO(A)PYRENE	9.1	1.5 U	40	16	280	45 J	35.5	26 J	1.6 U
BENZO(B)FLUORANTHENE	1.3 U	1.4 U	38	15	340	45 J	36	27 J	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	2 U	24	13	110	20 J	16	12 J	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-194	SB-194	SB-194	SB-196	SB-196	SB-196	SB-196	SB-196	SB-196
SAMPLE ID	G-SB-194RE-3	G-SB-194RE-4	G-SB-194RE-5	G-SB-196RE-10	G-SB-196RE-6	G-SB-196RE-7	G-SB-196RE-7-AVG	G-SB-196RE-7-D	G-SB-196RE-8
SAMPLE DATE	20090930	20090930	20090930	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	6	7	7	7	8
BOTTOM DEPTH	3	4	5	10	6	7	7	7	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	7.6	1.1 U	42	18	260	42	34.5	27	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.6 U	66	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.8 U	26	9.8	180	26	21.5	17	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	16.7	0 U	201	85.8	1486	215	172.5	130	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-194	SB-194	SB-194	SB-196	SB-196	SB-196	SB-196	SB-196	SB-196
SAMPLE ID	G-SB-194RE-3	G-SB-194RE-4	G-SB-194RE-5	G-SB-196RE-10	G-SB-196RE-6	G-SB-196RE-7	G-SB-196RE-7-AVG	G-SB-196RE-7-D	G-SB-196RE-8
SAMPLE DATE	20090930	20090930	20090930	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	6	7	7	7	8
BOTTOM DEPTH	3	4	5	10	6	7	7	7	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-196	SB-197	SB-197	SB-197	SB-197	SB-198	SB-198	SB-198	SB-198
SAMPLE ID	G-SB-196RE-9	G-SB-197RE-6	G-SB-197RE-6-AVG	G-SB-197RE-6-D	G-SB-197RE-7	G-SB-198RE-3	G-SB-198RE-4	G-SB-198RE-5	G-SB-198RE-6
SAMPLE DATE	20091001	20091002	20091002	20091002	20091002	20090929	20090929	20090929	20091019
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	6	6	6	7	3	4	5	6
BOTTOM DEPTH	9	6	6	6	7	3	4	5	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-196	SB-197	SB-197	SB-197	SB-197	SB-198	SB-198	SB-198	SB-198
SAMPLE ID	G-SB-196RE-9	G-SB-197RE-6	G-SB-197RE-6-AVG	G-SB-197RE-6-D	G-SB-197RE-7	G-SB-198RE-3	G-SB-198RE-4	G-SB-198RE-5	G-SB-198RE-6
SAMPLE DATE	20091001	20091002	20091002	20091002	20091002	20090929	20090929	20090929	20091019
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	6	6	6	7	3	4	5	6
BOTTOM DEPTH	9	6	6	6	7	3	4	5	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	319	24	36	49	1.6 U	34	635	88	471
BAP EQUIVALENT-POS	319	23	36	48	1.6 U	33	635	88	471
BENZO(A)ANTHRACENE	190	17 J	24.5	32 J	1.1 U	24	340	46	310
BENZO(A)PYRENE	230	18 J	28.5	39 J	1.6 U	26	410	60	330
BENZO(B)FLUORANTHENE	240	19 J	27.5	36 J	1.4 U	28	490	66	350
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	110	7.8 J	13.4	19 J	2 U	12	180	23	180
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-196	SB-197	SB-197	SB-197	SB-197	SB-198	SB-198	SB-198	SB-198
SAMPLE ID	G-SB-196RE-9	G-SB-197RE-6	G-SB-197RE-6-AVG	G-SB-197RE-6-D	G-SB-197RE-7	G-SB-198RE-3	G-SB-198RE-4	G-SB-198RE-5	G-SB-198RE-6
SAMPLE DATE	20091001	20091002	20091002	20091002	20091002	20090929	20090929	20090929	20091019
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	6	6	6	7	3	4	5	6
BOTTOM DEPTH	9	6	6	6	7	3	4	5	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	230	19 J	27.5	36 J	1.1 U	27	400	51	290
DIBENZO(A,H)ANTHRACENE	33	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	110	12	53
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	120	12 J	17.5	23 J	1.8 U	19	300	43	200
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1153	92.8	138.9	185	0 U	136	2230	301	1713
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-196	SB-197	SB-197	SB-197	SB-197	SB-198	SB-198	SB-198	SB-198
SAMPLE ID	G-SB-196RE-9	G-SB-197RE-6	G-SB-197RE-6-AVG	G-SB-197RE-6-D	G-SB-197RE-7	G-SB-198RE-3	G-SB-198RE-4	G-SB-198RE-5	G-SB-198RE-6
SAMPLE DATE	20091001	20091002	20091002	20091002	20091002	20090929	20090929	20090929	20091019
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	6	6	6	7	3	4	5	6
BOTTOM DEPTH	9	6	6	6	7	3	4	5	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-198	SB-198	SB-198	SB-199	SB-199	SB-255	SB-255	SB-255	SB-424
SAMPLE ID	G-SB-198RE-7	G-SB-198RE-8	G-SB-198RE-9	G-SB-199RE-6	G-SB-199RE-7	G-SB-255RE-3	G-SB-255RE-4	G-SB-255RE-5	G-SB-424RE-5
SAMPLE DATE	20091019	20091019	20091019	20090930	20090930	20091001	20091001	20091001	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	6	7	3	4	5	5
BOTTOM DEPTH	7	8	9	6	7	3	4	5	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-198	SB-198	SB-198	SB-199	SB-199	SB-255	SB-255	SB-255	SB-424
SAMPLE ID	G-SB-198RE-7	G-SB-198RE-8	G-SB-198RE-9	G-SB-199RE-6	G-SB-199RE-7	G-SB-255RE-3	G-SB-255RE-4	G-SB-255RE-5	G-SB-424RE-5
SAMPLE DATE	20091019	20091019	20091019	20090930	20090930	20091001	20091001	20091001	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	6	7	3	4	5	5
BOTTOM DEPTH	7	8	9	6	7	3	4	5	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1.6 U	14	13	42	1.5 U	106	1.7
BAP EQUIVALENT-POS	1.5 U	1.6 U	1.6 U	13	12	41	1.5 U	106	0.0092
BENZO(A)ANTHRACENE	1.1 U	1.2 U	1.2 U	12	10	25	1.1 U	49	1.1 U
BENZO(A)PYRENE	1.5 U	1.6 U	1.6 U	9.1	8.4	33	1.5 U	76	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.5 U	1.5 U	11	8.2	38	1.4 U	76	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	2.1 U	2.1 U	2 U	2 U	16	2 U	35	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-198	SB-198	SB-198	SB-199	SB-199	SB-255	SB-255	SB-255	SB-424
SAMPLE ID	G-SB-198RE-7	G-SB-198RE-8	G-SB-198RE-9	G-SB-199RE-6	G-SB-199RE-7	G-SB-255RE-3	G-SB-255RE-4	G-SB-255RE-5	G-SB-424RE-5
SAMPLE DATE	20091019	20091019	20091019	20090930	20090930	20091001	20091001	20091001	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	6	7	3	4	5	5
BOTTOM DEPTH	7	8	9	6	7	3	4	5	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1.1 U	1.1 U	11	11	28	1 U	65	9.2
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	13	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.8 U	1.8 U	18	17	20	1.7 U	43	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	61.1	54.6	160	0 U	357	9.2
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-198	SB-198	SB-198	SB-199	SB-199	SB-255	SB-255	SB-255	SB-424
SAMPLE ID	G-SB-198RE-7	G-SB-198RE-8	G-SB-198RE-9	G-SB-199RE-6	G-SB-199RE-7	G-SB-255RE-3	G-SB-255RE-4	G-SB-255RE-5	G-SB-424RE-5
SAMPLE DATE	20091019	20091019	20091019	20090930	20090930	20091001	20091001	20091001	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	9	6	7	3	4	5	5
BOTTOM DEPTH	7	8	9	6	7	3	4	5	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-424	SB-424	SB-424	SB-437	SB-437	SB-441	SB-441	SB-453	SB-453
SAMPLE ID	G-SB-424RE-5-AVG	G-SB-424RE-5-D	G-SB-424RE-6	G-SB-437RE-3	G-SB-437RE-4	G-SB-441RE-7	G-SB-441RE-8	G-SB-453RE-5	G-SB-453RE-6
SAMPLE DATE	20090924	20090924	20090924	20090930	20090930	20090929	20090929	20091001	20091001
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	6	3	4	7	8	5	6
BOTTOM DEPTH	5	5	6	3	4	7	8	5	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-424	SB-424	SB-424	SB-437	SB-437	SB-441	SB-441	SB-453	SB-453
SAMPLE ID	G-SB-424RE-5-AVG	G-SB-424RE-5-D	G-SB-424RE-6	G-SB-437RE-3	G-SB-437RE-4	G-SB-441RE-7	G-SB-441RE-8	G-SB-453RE-5	G-SB-453RE-6
SAMPLE DATE	20090924	20090924	20090924	20090930	20090930	20090929	20090929	20091001	20091001
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	6	3	4	7	8	5	6
BOTTOM DEPTH	5	5	6	3	4	7	8	5	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.2	1.5 U	1.5 U	1.5 U	1.5 U	80	11	24	23
BAP EQUIVALENT-POS	0.0092	1.5 U	1.5 U	1.5 U	1.5 U	80	9.4	23	23
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	51	1.1 U	16	15
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	47	1.5 U	17	17
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	54	58	18	17
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2 U	2 U	2 U	29	15	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-424	SB-424	SB-424	SB-437	SB-437	SB-441	SB-441	SB-453	SB-453
SAMPLE ID	G-SB-424RE-5-AVG	G-SB-424RE-5-D	G-SB-424RE-6	G-SB-437RE-3	G-SB-437RE-4	G-SB-441RE-7	G-SB-441RE-8	G-SB-453RE-5	G-SB-453RE-6
SAMPLE DATE	20090924	20090924	20090924	20090930	20090930	20090929	20090929	20091001	20091001
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	6	3	4	7	8	5	6
BOTTOM DEPTH	5	5	6	3	4	7	8	5	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	4.875	1.1 U	1.1 U	1 U	1.1 U	61	23	16	15
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	19	1.5 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U	34	34	24	23
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	4.6	0 U	0 U	0 U	0 U	295	130	91	87
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-424	SB-424	SB-424	SB-437	SB-437	SB-441	SB-441	SB-453	SB-453
SAMPLE ID	G-SB-424RE-5-AVG	G-SB-424RE-5-D	G-SB-424RE-6	G-SB-437RE-3	G-SB-437RE-4	G-SB-441RE-7	G-SB-441RE-8	G-SB-453RE-5	G-SB-453RE-6
SAMPLE DATE	20090924	20090924	20090924	20090930	20090930	20090929	20090929	20091001	20091001
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	6	3	4	7	8	5	6
BOTTOM DEPTH	5	5	6	3	4	7	8	5	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-456	SB-456	SB-457	SB-457	SB-653	SB-653	SB-653	SB-653	SB-653
SAMPLE ID	G-SB-456RE-10	G-SB-456RE-9	G-SB-457RE-3	G-SB-457RE-4	G-SB-653-3	G-SB-653-5	G-SB-653-6	G-SB-653-7	G-SB-653-8
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	9	3	4	3	5	6	7	8
BOTTOM DEPTH	10	9	3	4	3	5	6	7	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-456	SB-456	SB-457	SB-457	SB-653	SB-653	SB-653	SB-653	SB-653
SAMPLE ID	G-SB-456RE-10	G-SB-456RE-9	G-SB-457RE-3	G-SB-457RE-4	G-SB-653-3	G-SB-653-5	G-SB-653-6	G-SB-653-7	G-SB-653-8
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	9	3	4	3	5	6	7	8
BOTTOM DEPTH	10	9	3	4	3	5	6	7	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	78	142	34	13	18	5209	3.9	1.7 U	1.4 U
BAP EQUIVALENT-POS	78	142	33	12	17	5209	2.1	1.7 U	1.4 U
BENZO(A)ANTHRACENE	33	61	18	10	14	3400	21	1.2 U	1.1 U
BENZO(A)PYRENE	45	88	27	10	14	3500	1.6 U	1.7 U	1.4 U
BENZO(B)FLUORANTHENE	46	93	27	14	15	4200	1.5 U	1.5 U	1.3 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	14	36	12	2 U	2 U	1500	2.2 U	2.2 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-456	SB-456	SB-457	SB-457	SB-653	SB-653	SB-653	SB-653	SB-653
SAMPLE ID	G-SB-456RE-10	G-SB-456RE-9	G-SB-457RE-3	G-SB-457RE-4	G-SB-653-3	G-SB-653-5	G-SB-653-6	G-SB-653-7	G-SB-653-8
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	9	3	4	3	5	6	7	8
BOTTOM DEPTH	10	9	3	4	3	5	6	7	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	41	71	20	9.3	17	4000	23	1.2 U	1 U
DIBENZO(A,H)ANTHRACENE	21	32	1.5 U	1.5 U	1.5 U	700	1.6 U	1.7 U	1.4 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	40	64	17	1.7 U	1.8 U	2300	1.9 U	1.9 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	240	445	121	43.3	60	19600	44	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-456	SB-456	SB-457	SB-457	SB-653	SB-653	SB-653	SB-653	SB-653
SAMPLE ID	G-SB-456RE-10	G-SB-456RE-9	G-SB-457RE-3	G-SB-457RE-4	G-SB-653-3	G-SB-653-5	G-SB-653-6	G-SB-653-7	G-SB-653-8
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	9	3	4	3	5	6	7	8
BOTTOM DEPTH	10	9	3	4	3	5	6	7	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653	SB-653	SB-653	SB-653A	SB-653A	SB-653A	SB-653B	SB-653B	SB-653B
SAMPLE ID	G-SB-653-9	G-SB-653-9-AVG	G-SB-653-9-D	G-SB-653A-3	G-SB-653A-5	G-SB-653A-7	G-SB-653B-3	G-SB-653B-5	G-SB-653B-7
SAMPLE DATE	20091020	20091020	20091020	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653	SB-653	SB-653	SB-653A	SB-653A	SB-653A	SB-653B	SB-653B	SB-653B
SAMPLE ID	G-SB-653-9	G-SB-653-9-AVG	G-SB-653-9-D	G-SB-653A-3	G-SB-653A-5	G-SB-653A-7	G-SB-653B-3	G-SB-653B-5	G-SB-653B-7
SAMPLE DATE	20091020	20091020	20091020	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.4 U	1.45 U	1.5 U	1.4 U	3663	1.4 U	30	98	34
BAP EQUIVALENT-POS	1.4 U	1.45 U	1.5 U	1.4 U	3663	1.4 U	29	98	33
BENZO(A)ANTHRACENE	1 U	1.05 U	1.1 U	1 U	1900	1 U	1.1 U	54	11
BENZO(A)PYRENE	1.4 U	1.45 U	1.5 U	1.4 U	2400	1.4 U	24	78	29
BENZO(B)FLUORANTHENE	1.3 U	1.35 U	1.4 U	1.3 U	2900	1.3 U	29	85	31
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	1.95 U	2 U	1.8 U	1000	1.8 U	1.9 U	27	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653	SB-653	SB-653	SB-653A	SB-653A	SB-653A	SB-653B	SB-653B	SB-653B
SAMPLE ID	G-SB-653-9	G-SB-653-9-AVG	G-SB-653-9-D	G-SB-653A-3	G-SB-653A-5	G-SB-653A-7	G-SB-653B-3	G-SB-653B-5	G-SB-653B-7
SAMPLE DATE	20091020	20091020	20091020	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	0.99 U	0.995 U	1 U	0.97 U	2600	0.98 U	1 U	66	11
DIBENZO(A,H)ANTHRACENE	1.4 U	1.45 U	1.5 U	1.4 U	600	1.4 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.7 U	1.7 U	1.6 U	1700	1.6 U	22	55	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	13100	0 U	75	365	82
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-653	SB-653	SB-653	SB-653A	SB-653A	SB-653A	SB-653B	SB-653B	SB-653B
SAMPLE ID	G-SB-653-9	G-SB-653-9-AVG	G-SB-653-9-D	G-SB-653A-3	G-SB-653A-5	G-SB-653A-7	G-SB-653B-3	G-SB-653B-5	G-SB-653B-7
SAMPLE DATE	20091020	20091020	20091020	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	3	5	7
BOTTOM DEPTH	9	9	9	3	5	7	3	5	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653D	SB-653D	SB-653D	SB-654	SB-654	SB-654B	SB-654B	SB-654C	SB-654C
SAMPLE ID	G-SB-653D-3	G-SB-653D-5	G-SB-653D-7	G-SB-654-3	G-SB-654-5	G-SB-654B-3	G-SB-654B-5	G-SB-654C-3	G-SB-654C-5
SAMPLE DATE	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	3	5	3	5
BOTTOM DEPTH	3	5	7	3	5	3	5	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653D	SB-653D	SB-653D	SB-654	SB-654	SB-654B	SB-654B	SB-654C	SB-654C
SAMPLE ID	G-SB-653D-3	G-SB-653D-5	G-SB-653D-7	G-SB-654-3	G-SB-654-5	G-SB-654B-3	G-SB-654B-5	G-SB-654C-3	G-SB-654C-5
SAMPLE DATE	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	3	5	3	5
BOTTOM DEPTH	3	5	7	3	5	3	5	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	49	1.5 U	68	67	7.8	10059	2.8	1.5 U
BAP EQUIVALENT-POS	1.5 U	48	1.5 U	67	66	6.2	10059	1.1	1.5 U
BENZO(A)ANTHRACENE	1.1 U	17	1.1 U	62	49	19	8000	11	1.1 U
BENZO(A)PYRENE	1.5 U	39	1.5 U	51	53	1.5 U	6800	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	44	1.4 U	66	51	43	7500	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	10	2 U	28	23	1.9 U	3100	1.9 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-653D	SB-653D	SB-653D	SB-654	SB-654	SB-654B	SB-654B	SB-654C	SB-654C
SAMPLE ID	G-SB-653D-3	G-SB-653D-5	G-SB-653D-7	G-SB-654-3	G-SB-654-5	G-SB-654B-3	G-SB-654B-5	G-SB-654C-3	G-SB-654C-5
SAMPLE DATE	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	3	5	3	5
BOTTOM DEPTH	3	5	7	3	5	3	5	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	20	1.1 U	74	57	19	8000	9.2	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1300	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	31	1.8 U	30	28	1.7 U	3700	1.7 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	161	0 U	311	261	81	38400	20.2	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-653D	SB-653D	SB-653D	SB-654	SB-654	SB-654B	SB-654B	SB-654C	SB-654C
SAMPLE ID	G-SB-653D-3	G-SB-653D-5	G-SB-653D-7	G-SB-654-3	G-SB-654-5	G-SB-654B-3	G-SB-654B-5	G-SB-654C-3	G-SB-654C-5
SAMPLE DATE	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	3	5	3	5
BOTTOM DEPTH	3	5	7	3	5	3	5	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656C	SB-656C	SB-656C
SAMPLE ID	G-SB-656-3	G-SB-656-5	G-SB-656-6	G-SB-656-7	G-SB-656-8	G-SB-656-9	G-SB-656C-4	G-SB-656C-6	G-SB-656C-8
SAMPLE DATE	20090930	20090930	20091020	20091020	20091020	20091020	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	4	6	8
BOTTOM DEPTH	3	5	6	7	8	9	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656C	SB-656C	SB-656C
SAMPLE ID	G-SB-656-3	G-SB-656-5	G-SB-656-6	G-SB-656-7	G-SB-656-8	G-SB-656-9	G-SB-656C-4	G-SB-656C-6	G-SB-656C-8
SAMPLE DATE	20090930	20090930	20091020	20091020	20091020	20091020	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	4	6	8
BOTTOM DEPTH	3	5	6	7	8	9	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	9.8	437	175	2.6	1.6 U	1.5 U	32	66	1.6 U
BAP EQUIVALENT-POS	8.9	437	174	0.85	1.6 U	1.5 U	31	65	1.6 U
BENZO(A)ANTHRACENE	1.1 U	200	100	1.2 U	1.1 U	1.1 U	1.1 U	29	1.2 U
BENZO(A)PYRENE	8	310	140	1.6 U	1.6 U	1.5 U	26	53	1.6 U
BENZO(B)FLUORANTHENE	9.1	330	150	8.5	1.4 U	1.4 U	28	55	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	130	75	2.1 U	2 U	2 U	2 U	13	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656C	SB-656C	SB-656C
SAMPLE ID	G-SB-656-3	G-SB-656-5	G-SB-656-6	G-SB-656-7	G-SB-656-8	G-SB-656-9	G-SB-656C-4	G-SB-656C-6	G-SB-656C-8
SAMPLE DATE	20090930	20090930	20091020	20091020	20091020	20091020	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	4	6	8
BOTTOM DEPTH	3	5	6	7	8	9	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	260	110	1.1 U	1.1 U	1.1 U	1.1 U	34	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	51	1.7 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	210	86	1.9 U	1.8 U	1.8 U	23	38	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	17.1	1491	661	8.5	0 U	0 U	77	222	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656C	SB-656C	SB-656C
SAMPLE ID	G-SB-656-3	G-SB-656-5	G-SB-656-6	G-SB-656-7	G-SB-656-8	G-SB-656-9	G-SB-656C-4	G-SB-656C-6	G-SB-656C-8
SAMPLE DATE	20090930	20090930	20091020	20091020	20091020	20091020	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	4	6	8
BOTTOM DEPTH	3	5	6	7	8	9	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656C	SB-656C	SB-656D	SB-656D	SB-656D	SB-657A	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-656C-8-AVG	G-SB-656C-8-D	G-SB-656D-4	G-SB-656D-6	G-SB-656D-8	G-SB-657A-3	G-SB-657A-5	G-SB-657A-5-AVG	G-SB-657A-5-D
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091028	20091028	20091028	20091028
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	6	8	3	5	5	5
BOTTOM DEPTH	8	8	4	6	8	3	5	5	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656C	SB-656C	SB-656D	SB-656D	SB-656D	SB-657A	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-656C-8-AVG	G-SB-656C-8-D	G-SB-656D-4	G-SB-656D-6	G-SB-656D-8	G-SB-657A-3	G-SB-657A-5	G-SB-657A-5-AVG	G-SB-657A-5-D
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091028	20091028	20091028	20091028
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	6	8	3	5	5	5
BOTTOM DEPTH	8	8	4	6	8	3	5	5	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.55 U	1.5 U	22	22	17	35	1207	1073	940
BAP EQUIVALENT-POS	1.55 U	1.5 U	21	21	16	35	1207	1073	939
BENZO(A)ANTHRACENE	1.15 U	1.1 U	19	19	18	12	900	835	770
BENZO(A)PYRENE	1.55 U	1.5 U	16	15	11	28	810	775	740
BENZO(B)FLUORANTHENE	1.45 U	1.4 U	34	34	29	32	850	815	780
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.05 U	2 U	2 U	2 U	1.9 U	2 U	390	340	290
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-656C	SB-656C	SB-656D	SB-656D	SB-656D	SB-657A	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-656C-8-AVG	G-SB-656C-8-D	G-SB-656D-4	G-SB-656D-6	G-SB-656D-8	G-SB-657A-3	G-SB-657A-5	G-SB-657A-5-AVG	G-SB-657A-5-D
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091028	20091028	20091028	20091028
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	6	8	3	5	5	5
BOTTOM DEPTH	8	8	4	6	8	3	5	5	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.05 U	1 U	17	18	15	11	850	765	680
DIBENZO(A,H)ANTHRACENE	1.55 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	170 J	85.775	3.1 UJ
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.75 U	1.7 U	1.8 U	9.4	1.7 U	22	470	435	400
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	86	95.4	73	105	4440	4050	3660
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-656C	SB-656C	SB-656D	SB-656D	SB-656D	SB-657A	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-656C-8-AVG	G-SB-656C-8-D	G-SB-656D-4	G-SB-656D-6	G-SB-656D-8	G-SB-657A-3	G-SB-657A-5	G-SB-657A-5-AVG	G-SB-657A-5-D
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091028	20091028	20091028	20091028
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	4	6	8	3	5	5	5
BOTTOM DEPTH	8	8	4	6	8	3	5	5	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-657A	SB-657A	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657D
SAMPLE ID	G-SB-657A-7	G-SB-657A-9	G-SB-657B-3	G-SB-657B-5	G-SB-657B-5-AVG	G-SB-657B-5-D	G-SB-657B-7	G-SB-657B-9	G-SB-657D-3
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5	7	9	3
BOTTOM DEPTH	7	9	3	5	5	5	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-657A	SB-657A	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657D
SAMPLE ID	G-SB-657A-7	G-SB-657A-9	G-SB-657B-3	G-SB-657B-5	G-SB-657B-5-AVG	G-SB-657B-5-D	G-SB-657B-7	G-SB-657B-9	G-SB-657D-3
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5	7	9	3
BOTTOM DEPTH	7	9	3	5	5	5	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	214	5922	21	1434	818	203	14	655	44
BAP EQUIVALENT-POS	214	5922	20	1431	817	203	14	655	43
BENZO(A)ANTHRACENE	110	4000	18	1400 J	770	140 J	12	440	32
BENZO(A)PYRENE	140	4000	14	1100 J	620	140 J	10	460	32
BENZO(B)FLUORANTHENE	140	4100	33	1200 J	675	150 J	23	480	54
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	59	1800	1.9 U	860 J	469	78 J	2 U	220	13
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-657A	SB-657A	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657D
SAMPLE ID	G-SB-657A-7	G-SB-657A-9	G-SB-657B-3	G-SB-657B-5	G-SB-657B-5-AVG	G-SB-657B-5-D	G-SB-657B-7	G-SB-657B-9	G-SB-657D-3
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5	7	9	3
BOTTOM DEPTH	7	9	3	5	5	5	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	130	4300	18	1200 J	675	150 J	11	520	37
DIBENZO(A,H)ANTHRACENE	39	840	1.5 U	5.9 U	13.975	25	1.5 U	72	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	97	2500	8.1	610 J	346	82 J	1.8 U	280	21
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	715	21540	91.1	6370	3567.5	765	56	2472	189
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657A	SB-657A	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657D
SAMPLE ID	G-SB-657A-7	G-SB-657A-9	G-SB-657B-3	G-SB-657B-5	G-SB-657B-5-AVG	G-SB-657B-5-D	G-SB-657B-7	G-SB-657B-9	G-SB-657D-3
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	5	5	7	9	3
BOTTOM DEPTH	7	9	3	5	5	5	7	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-657D	SB-657D	SB-657D	SB-658B	SB-658B	SB-658B	SB-658B	SB-658C	SB-658C
SAMPLE ID	G-SB-657D-5	G-SB-657D-7	G-SB-657D-9	G-SB-658B-3	G-SB-658B-5	G-SB-658B-7	G-SB-658B-9	G-SB-658C-3	G-SB-658C-5
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-657D	SB-657D	SB-657D	SB-658B	SB-658B	SB-658B	SB-658B	SB-658C	SB-658C
SAMPLE ID	G-SB-657D-5	G-SB-657D-7	G-SB-657D-9	G-SB-658B-3	G-SB-658B-5	G-SB-658B-7	G-SB-658B-9	G-SB-658C-3	G-SB-658C-5
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	1.5 U	1.5 U	558	1.5 U	64	32	692
BAP EQUIVALENT-POS	1.6 U	1.5 U	1.5 U	1.5 U	558	1.5 U	64	31	692
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	320	1.1 U	46	20	430
BENZO(A)PYRENE	1.6 U	1.5 U	1.5 U	1.5 U	370	1.5 U	50	23	480
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.4 U	410	1.4 U	55	43	500
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	1.9 U	1.9 U	170	2 U	21	16	280
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-657D	SB-657D	SB-657D	SB-658B	SB-658B	SB-658B	SB-658B	SB-658C	SB-658C
SAMPLE ID	G-SB-657D-5	G-SB-657D-7	G-SB-657D-9	G-SB-658B-3	G-SB-658B-5	G-SB-658B-7	G-SB-658B-9	G-SB-658C-3	G-SB-658C-5
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1 U	1 U	1 U	430	1 U	50	26	550
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	1.5 U	1.5 U	89	1.5 U	1.6 U	1.5 U	86
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.7 U	1.7 U	1.7 U	240	1.7 U	32	14	300
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	2029	0 U	254	142	2626
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657D	SB-657D	SB-657D	SB-658B	SB-658B	SB-658B	SB-658B	SB-658C	SB-658C
SAMPLE ID	G-SB-657D-5	G-SB-657D-7	G-SB-657D-9	G-SB-658B-3	G-SB-658B-5	G-SB-658B-7	G-SB-658B-9	G-SB-658C-3	G-SB-658C-5
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-658C	SB-658C	SB-659C	SB-659C	SB-659C	SB-659C	SB-659D	SB-659D	SB-659D
SAMPLE ID	G-SB-658C-7	G-SB-658C-9	G-SB-659C-3	G-SB-659C-5	G-SB-659C-7	G-SB-659C-9	G-SB-659D-3	G-SB-659D-5	G-SB-659D-7
SAMPLE DATE	20091028	20091028	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-658C	SB-658C	SB-659C	SB-659C	SB-659C	SB-659C	SB-659D	SB-659D	SB-659D
SAMPLE ID	G-SB-658C-7	G-SB-658C-9	G-SB-659C-3	G-SB-659C-5	G-SB-659C-7	G-SB-659C-9	G-SB-659D-3	G-SB-659D-5	G-SB-659D-7
SAMPLE DATE	20091028	20091028	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	415	8.6	4.1	1.5 U	1657	1.5 U	1.5 U	24
BAP EQUIVALENT-POS	21	415	7.0	2.4	1.5 U	1655	1.5 U	1.5 U	23
BENZO(A)ANTHRACENE	14	200	31	1.1 U	1.1 U	1300	1.1 U	1.1 U	19
BENZO(A)PYRENE	17	280	1.5 U	1.5 U	1.5 U	1300	1.5 U	1.5 U	18
BENZO(B)FLUORANTHENE	15	300	39	24	1.4 U	1400	1.4 U	1.4 U	31 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	9.8	110	2 U	2 U	2 U	750	2 U	1.9 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-658C	SB-658C	SB-659C	SB-659C	SB-659C	SB-659C	SB-659D	SB-659D	SB-659D
SAMPLE ID	G-SB-658C-7	G-SB-658C-9	G-SB-659C-3	G-SB-659C-5	G-SB-659C-7	G-SB-659C-9	G-SB-659D-3	G-SB-659D-5	G-SB-659D-7
SAMPLE DATE	20091028	20091028	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	19	270	23	1.1 U	1 U	1600	1 U	1 U	18
DIBENZO(A,H)ANTHRACENE	1.5 U	71	1.5 U	1.5 U	1.5 U	3.3 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	11	130	1.7 U	1.8 U	1.7 U	760	1.7 U	1.7 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	85.8	1361	93	24	0 U	7110	0 U	0 U	86
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658C	SB-658C	SB-659C	SB-659C	SB-659C	SB-659C	SB-659D	SB-659D	SB-659D
SAMPLE ID	G-SB-658C-7	G-SB-658C-9	G-SB-659C-3	G-SB-659C-5	G-SB-659C-7	G-SB-659C-9	G-SB-659D-3	G-SB-659D-5	G-SB-659D-7
SAMPLE DATE	20091028	20091028	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-659D	SB-659D	SB-659D
SAMPLE ID	G-SB-659D-7-AVG	G-SB-659D-7-D	G-SB-659D-9
SAMPLE DATE	20091029	20091029	20091029
SAMPLE CODE	AVG	DUP	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	7	7	9
BOTTOM DEPTH	7	7	9
VOLATILES (UG/KG)			
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA
1,4-DIOXANE	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA
2-BUTANONE	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA
2-HEXANONE	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA
ACETONE	NA	NA	NA
BENZENE	NA	NA	NA
BROMOBENZENE	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA
BROMOFORM	NA	NA	NA
BROMOMETHANE	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA
CHLOROBENZENE	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA
CHLOROETHANE	NA	NA	NA
CHLOROFORM	NA	NA	NA
CHLOROMETHANE	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA
ETHYLBENZENE	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA
M+P-XYLENES	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA
NAPHTHALENE	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA
O-XYLENE	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA
STYRENE	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA
TOLUENE	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA
TOTAL XYLENES	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA
VINYL ACETATE	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-659D	SB-659D	SB-659D
SAMPLE ID	G-SB-659D-7-AVG	G-SB-659D-7-D	G-SB-659D-9
SAMPLE DATE	20091029	20091029	20091029
SAMPLE CODE	AVG	DUP	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	7	7	9
BOTTOM DEPTH	7	7	9
VINYL CHLORIDE	NA	NA	NA
SEMIVOLATILES (UG/KG)			
1,1-BIPHENYL	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA
1,4-DIOXANE	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA
2-NITROANILINE	NA	NA	NA
2-NITROPHENOL	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA
3-NITROANILINE	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA
4-NITROANILINE	NA	NA	NA
4-NITROPHENOL	NA	NA	NA
ACETOPHENONE	NA	NA	NA
ANILINE	NA	NA	NA
ATRAZINE	NA	NA	NA
AZOBENZENE	NA	NA	NA
BENZALDEHYDE	NA	NA	NA
BENZIDINE	NA	NA	NA
BENZOIC ACID	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA
CAPROLACTAM	NA	NA	NA
CARBAZOLE	NA	NA	NA
DIBENZOFURAN	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA
ISOPHORONE	NA	NA	NA
NITROBENZENE	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA
PHENOL	NA	NA	NA
PYRIDINE	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)			
1-METHYLNAPHTHALENE	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA
ACENAPHTHENE	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA
ANTHRACENE	NA	NA	NA
BAP EQUIVALENT-HALFND	20	17	1.5 U
BAP EQUIVALENT-POS	19	16	1.5 U
BENZO(A)ANTHRACENE	18	17	1.1 U
BENZO(A)PYRENE	16	14	1.5 U
BENZO(B)FLUORANTHENE	15.85	1.4 UJ	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA

LOCATION	SB-659D	SB-659D	SB-659D
SAMPLE ID	G-SB-659D-7-AVG	G-SB-659D-7-D	G-SB-659D-9
SAMPLE DATE	20091029	20091029	20091029
SAMPLE CODE	AVG	DUP	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	7	7	9
BOTTOM DEPTH	7	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA
C1-FLUORENES	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA
C2-CHRYSENES	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA
C2-FLUORENES	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA
C3-CHRYSENES	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA
C3-FLUORENES	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA
C4-CHRYSENES	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA
CHRYSENE	16	14	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA
FLUORENE	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.7 U	1.7 U
NAPHTHALENE	NA	NA	NA
PHENANTHRENE	NA	NA	NA
PYRENE	NA	NA	NA
TOTAL PAHS	65.5	45	0 U
PESTICIDES/PCBS (UG/KG)			
4,4'-DDD	NA	NA	NA
4,4'-DDE	NA	NA	NA
4,4'-DDT	NA	NA	NA
ALDRIN	NA	NA	NA
ALPHA-BHC	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA
AROCLOR-1016	NA	NA	NA
AROCLOR-1221	NA	NA	NA
AROCLOR-1232	NA	NA	NA
AROCLOR-1242	NA	NA	NA
AROCLOR-1248	NA	NA	NA
AROCLOR-1254	NA	NA	NA
AROCLOR-1260	NA	NA	NA
BETA-BHC	NA	NA	NA
DELTA-BHC	NA	NA	NA
DIELDRIN	NA	NA	NA
ENDOSULFAN I	NA	NA	NA
ENDOSULFAN II	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA
ENDRIN	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA
ENDRIN KETONE	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA
HEPTACHLOR	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA
METHOXYCHLOR	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA
TOXAPHENE	NA	NA	NA
METALS (MG/KG)			
ANTIMONY	NA	NA	NA
ARSENIC	NA	NA	NA
BARIUM	NA	NA	NA
BERYLLIUM	NA	NA	NA
CADMIUM	NA	NA	NA
CHROMIUM	NA	NA	NA
COBALT	NA	NA	NA
COPPER	NA	NA	NA
IRON	NA	NA	NA
LEAD	NA	NA	NA
MANGANESE	NA	NA	NA
MERCURY	NA	NA	NA
MOLYBDENUM	NA	NA	NA
NICKEL	NA	NA	NA
SELENIUM	NA	NA	NA
SILVER	NA	NA	NA
THALLIUM	NA	NA	NA
VANADIUM	NA	NA	NA
ZINC	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)			

LOCATION	SB-659D	SB-659D	SB-659D
SAMPLE ID	G-SB-659D-7-AVG	G-SB-659D-7-D	G-SB-659D-9
SAMPLE DATE	20091029	20091029	20091029
SAMPLE CODE	AVG	DUP	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	7	7	9
BOTTOM DEPTH	7	7	9
DIESEL RANGE ORGANICS	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA
TPH (C09-C36)	NA	NA	NA
TPH (C10-C32)	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)			
PERCENT SOLIDS	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)			
HEXAVALENT CHROMIUM	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)			
PH	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)			
MERCURY (METHYL)	NA	NA	NA
RADIONUCLIDES (PCI/G)			
ACTINIUM-228	NA	NA	NA
ALUMINUM-26	NA	NA	NA
AMERICIUM-241	NA	NA	NA
ANTIMONY-124	NA	NA	NA
ANTIMONY-125	NA	NA	NA
BERYLLIUM-7	NA	NA	NA
BISMUTH-212	NA	NA	NA
BISMUTH-214	NA	NA	NA
CERIUM-139	NA	NA	NA
CERIUM-144	NA	NA	NA
CESIUM-134	NA	NA	NA
CESIUM-137	NA	NA	NA
CHROMIUM-51	NA	NA	NA
COBALT-56	NA	NA	NA
COBALT-57	NA	NA	NA
COBALT-58	NA	NA	NA
COBALT-60	NA	NA	NA
EUROPIUM-152	NA	NA	NA
EUROPIUM-154	NA	NA	NA
EUROPIUM-155	NA	NA	NA
IODINE-131	NA	NA	NA
IRON-59	NA	NA	NA
LEAD-212	NA	NA	NA
LEAD-214	NA	NA	NA
MANGANESE-54	NA	NA	NA
NIOBIUM-94	NA	NA	NA
NIOBIUM-95	NA	NA	NA
POTASSIUM-40	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA
RADIUM-226	NA	NA	NA
RUTHENIUM-106	NA	NA	NA
SCANDIUM-46	NA	NA	NA
SILVER-110	NA	NA	NA
SODIUM-22	NA	NA	NA
THALLIUM-208	NA	NA	NA
THORIUM-227	NA	NA	NA
THORIUM-234	NA	NA	NA
URANIUM-235	NA	NA	NA
ZINC-65	NA	NA	NA

LOCATION	SB-661	SB-661	SB-662	SB-662	SB-662	SB-662	SB-662	SB-662A	SB-662A
SAMPLE ID	G-SB-661-6	G-SB-661-7	G-SB-662-10	G-SB-662-6	G-SB-662-7	G-SB-662-8	G-SB-662-9	G-SB-662A-3	G-SB-662A-5
SAMPLE DATE	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	10	6	7	8	9	3	5
BOTTOM DEPTH	6	7	10	6	7	8	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-661	SB-661	SB-662	SB-662	SB-662	SB-662	SB-662	SB-662A	SB-662A
SAMPLE ID	G-SB-661-6	G-SB-661-7	G-SB-662-10	G-SB-662-6	G-SB-662-7	G-SB-662-8	G-SB-662-9	G-SB-662A-3	G-SB-662A-5
SAMPLE DATE	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	10	6	7	8	9	3	5
BOTTOM DEPTH	6	7	10	6	7	8	9	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	139	855	233	2.9	4214	60	51
BAP EQUIVALENT-POS	1.6 U	1.5 U	139	855	233	1.1	4214	59	50
BENZO(A)ANTHRACENE	1.1 U	1.1 U	93	570	160	1.2 U	2900	39	37
BENZO(A)PYRENE	1.6 U	1.5 U	97	590	160	1.6 U	3000	45	38
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	110	630	170	11	3200	70	59
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	42	260	68	2.1 U	1100	25	15
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-661	SB-661	SB-662	SB-662	SB-662	SB-662	SB-662	SB-662A	SB-662A
SAMPLE ID	G-SB-661-6	G-SB-661-7	G-SB-662-10	G-SB-662-6	G-SB-662-7	G-SB-662-8	G-SB-662-9	G-SB-662A-3	G-SB-662A-5
SAMPLE DATE	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	10	6	7	8	9	3	5
BOTTOM DEPTH	6	7	10	6	7	8	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	100	640	180	11	3400	47	38
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	16	110	30	1.6 U	440	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	52	320	91	1.8 U	1500	28	25
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	510	3120	859	22	15540	254	212
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-661	SB-661	SB-662	SB-662	SB-662	SB-662	SB-662	SB-662A	SB-662A
SAMPLE ID	G-SB-661-6	G-SB-661-7	G-SB-662-10	G-SB-662-6	G-SB-662-7	G-SB-662-8	G-SB-662-9	G-SB-662A-3	G-SB-662A-5
SAMPLE DATE	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	10	6	7	8	9	3	5
BOTTOM DEPTH	6	7	10	6	7	8	9	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662A	SB-662A	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B	SB-662C
SAMPLE ID	G-SB-662A-7	G-SB-662A-9	G-SB-662B-3	G-SB-662B-5	G-SB-662B-7	G-SB-662B-7-AVG	G-SB-662B-7-D	G-SB-662B-9	G-SB-662C-3
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662A	SB-662A	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B	SB-662C
SAMPLE ID	G-SB-662A-7	G-SB-662A-9	G-SB-662B-3	G-SB-662B-5	G-SB-662B-7	G-SB-662B-7-AVG	G-SB-662B-7-D	G-SB-662B-9	G-SB-662C-3
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	702	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	3172	6069
BAP EQUIVALENT-POS	21	702	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	3172	6069
BENZO(A)ANTHRACENE	14	360	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	2000	4400
BENZO(A)PYRENE	16	490	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	2200	4100
BENZO(B)FLUORANTHENE	36	560	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U	2500	5000
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	210	2 U	2 U	2.1 U	2.1 U	2.1 U	970	2400
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662A	SB-662A	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B	SB-662C
SAMPLE ID	G-SB-662A-7	G-SB-662A-9	G-SB-662B-3	G-SB-662B-5	G-SB-662B-7	G-SB-662B-7-AVG	G-SB-662B-7-D	G-SB-662B-9	G-SB-662C-3
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	16	430	1 U	1 U	1.1 U	1.1 U	1.1 U	2200	4500
DIBENZO(A,H)ANTHRACENE	1.5 U	84	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	380	740
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	330	1.7 U	1.7 U	1.9 U	1.9 U	1.9 U	1300	2600
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	82	2464	0 U	0 U	0 U	0 U	0 U	11550	23740
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-662A	SB-662A	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B	SB-662C
SAMPLE ID	G-SB-662A-7	G-SB-662A-9	G-SB-662B-3	G-SB-662B-5	G-SB-662B-7	G-SB-662B-7-AVG	G-SB-662B-7-D	G-SB-662B-9	G-SB-662C-3
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662C	SB-662C	SB-662C	SB-663	SB-663	SB-663	SB-663	SB-664	SB-664
SAMPLE ID	G-SB-662C-5	G-SB-662C-7	G-SB-662C-9	G-SB-663-6	G-SB-663-6-AVG	G-SB-663-6-D	G-SB-663-7	G-SB-664-6	G-SB-664-7
SAMPLE DATE	20091029	20091029	20091029	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	6	6	6	7	6	7
BOTTOM DEPTH	5	7	9	6	6	6	7	6	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662C	SB-662C	SB-662C	SB-663	SB-663	SB-663	SB-663	SB-664	SB-664
SAMPLE ID	G-SB-662C-5	G-SB-662C-7	G-SB-662C-9	G-SB-663-6	G-SB-663-6-AVG	G-SB-663-6-D	G-SB-663-7	G-SB-664-6	G-SB-664-7
SAMPLE DATE	20091029	20091029	20091029	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	6	6	6	7	6	7
BOTTOM DEPTH	5	7	9	6	6	6	7	6	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	19	1.7	2268	1.6 U	1.55 U	1.5 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	19	0.009	2268	1.6 U	1.55 U	1.5 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1700	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	14	1.5 U	1500	1.6 U	1.55 U	1.5 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	37	1.4 U	1800	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	670	2 U	2 U	2 U	2 U	2.1 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-662C	SB-662C	SB-662C	SB-663	SB-663	SB-663	SB-663	SB-664	SB-664
SAMPLE ID	G-SB-662C-5	G-SB-662C-7	G-SB-662C-9	G-SB-663-6	G-SB-663-6-AVG	G-SB-663-6-D	G-SB-663-7	G-SB-664-6	G-SB-664-7
SAMPLE DATE	20091029	20091029	20091029	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	6	6	6	7	6	7
BOTTOM DEPTH	5	7	9	6	6	6	7	6	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	16	8.5	1900	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	310	1.6 U	1.55 U	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	9.5	1.8 U	990	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	76.5	8.5	8870	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-662C	SB-662C	SB-662C	SB-663	SB-663	SB-663	SB-663	SB-664	SB-664
SAMPLE ID	G-SB-662C-5	G-SB-662C-7	G-SB-662C-9	G-SB-663-6	G-SB-663-6-AVG	G-SB-663-6-D	G-SB-663-7	G-SB-664-6	G-SB-664-7
SAMPLE DATE	20091029	20091029	20091029	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	6	6	6	7	6	7
BOTTOM DEPTH	5	7	9	6	6	6	7	6	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-665	SB-665	SB-666	SB-666	SB-667	SB-667	SB-668	SB-668	SB-671
SAMPLE ID	G-SB-665-6	G-SB-665-7	G-SB-666-6	G-SB-666-7	G-SB-667-6	G-SB-667-7	G-SB-668-6	G-SB-668-7	G-SB-671-3
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	6	7	6	7	3
BOTTOM DEPTH	6	7	6	7	6	7	6	7	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-665	SB-665	SB-666	SB-666	SB-667	SB-667	SB-668	SB-668	SB-671
SAMPLE ID	G-SB-665-6	G-SB-665-7	G-SB-666-6	G-SB-666-7	G-SB-667-6	G-SB-667-7	G-SB-668-6	G-SB-668-7	G-SB-671-3
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	6	7	6	7	3
BOTTOM DEPTH	6	7	6	7	6	7	6	7	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.7 U	1.6 U	1.7 U	246
BAP EQUIVALENT-POS	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.7 U	1.6 U	1.7 U	246
BENZO(A)ANTHRACENE	1.3 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	180
BENZO(A)PYRENE	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.7 U	1.6 U	1.7 U	170
BENZO(B)FLUORANTHENE	1.6 U	1.6 U	1.4 U	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U	210
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.3 U	2.2 U	2 U	2 U	2 U	2.2 U	2.1 U	2.2 U	76
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-665	SB-665	SB-666	SB-666	SB-667	SB-667	SB-668	SB-668	SB-671
SAMPLE ID	G-SB-665-6	G-SB-665-7	G-SB-666-6	G-SB-666-7	G-SB-667-6	G-SB-667-7	G-SB-668-6	G-SB-668-7	G-SB-671-3
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	6	7	6	7	3
BOTTOM DEPTH	6	7	6	7	6	7	6	7	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.2 U	1.2 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	160
DIBENZO(A,H)ANTHRACENE	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.7 U	1.6 U	1.7 U	27
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	2 U	1.9 U	1.8 U	1.7 U	1.8 U	1.9 U	1.8 U	1.9 U	92
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	915
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-665	SB-665	SB-666	SB-666	SB-667	SB-667	SB-668	SB-668	SB-671
SAMPLE ID	G-SB-665-6	G-SB-665-7	G-SB-666-6	G-SB-666-7	G-SB-667-6	G-SB-667-7	G-SB-668-6	G-SB-668-7	G-SB-671-3
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	6	7	6	7	3
BOTTOM DEPTH	6	7	6	7	6	7	6	7	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671
SAMPLE ID	G-SB-671-4	G-SB-671-5	G-SB-671-6	G-SB-671-7	G-SB-671-7-AVG	G-SB-671-7-D	G-SB-671-8	G-SB-671-9	G-SB-671RE-10
SAMPLE DATE	20090929	20090929	20091019	20091019	20091019	20091019	20091019	20091019	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	7	7	8	9	10
BOTTOM DEPTH	4	5	6	7	7	7	8	9	10
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671
SAMPLE ID	G-SB-671-4	G-SB-671-5	G-SB-671-6	G-SB-671-7	G-SB-671-7-AVG	G-SB-671-7-D	G-SB-671-8	G-SB-671-9	G-SB-671RE-10
SAMPLE DATE	20090929	20090929	20091019	20091019	20091019	20091019	20091019	20091019	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	7	7	8	9	10
BOTTOM DEPTH	4	5	6	7	7	7	8	9	10
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	121	15223	439	859	430	1.6 U	127	1986	1.6 U
BAP EQUIVALENT-POS	121	15223	439	859	430	1.6 U	127	1986	1.6 U
BENZO(A)ANTHRACENE	71	6600	220	390 J	195.3	1.2 UJ	71	1100	1.2 U
BENZO(A)PYRENE	79	10000	310	620 J	310.4	1.6 UJ	92	1400	1.6 U
BENZO(B)FLUORANTHENE	94	11000	280	500 J	250.375	1.5 UJ	78	1300	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	39	4600	140	290 J	145.525	2.1 UJ	42	770	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671
SAMPLE ID	G-SB-671-4	G-SB-671-5	G-SB-671-6	G-SB-671-7	G-SB-671-7-AVG	G-SB-671-7-D	G-SB-671-8	G-SB-671-9	G-SB-671RE-10
SAMPLE DATE	20090929	20090929	20091019	20091019	20091019	20091019	20091019	20091019	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	7	7	8	9	10
BOTTOM DEPTH	4	5	6	7	7	7	8	9	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	72	6700	300	470 J	235.275	1.1 UJ	75	1300	1.1 U
DIBENZO(A,H)ANTHRACENE	20	2700	59	110 J	55.4	1.6 UJ	14	250	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	51	7100	180	370 J	185.475	1.9 UJ	52	870	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	426	48700	1489	2750	1375	0 U	424	6990	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671
SAMPLE ID	G-SB-671-4	G-SB-671-5	G-SB-671-6	G-SB-671-7	G-SB-671-7-AVG	G-SB-671-7-D	G-SB-671-8	G-SB-671-9	G-SB-671RE-10
SAMPLE DATE	20090929	20090929	20091019	20091019	20091019	20091019	20091019	20091019	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	7	7	8	9	10
BOTTOM DEPTH	4	5	6	7	7	7	8	9	10
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671B	SB-671B	SB-671B	SB-671B	SB-671C	SB-671C	SB-671C	SB-671C	SB-671C
SAMPLE ID	G-SB-671B-3	G-SB-671B-5	G-SB-671B-7	G-SB-671B-9	G-SB-671C-3	G-SB-671C-5	G-SB-671C-7	G-SB-671C-7-AVG	G-SB-671C-7-D
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	7	7
BOTTOM DEPTH	3	5	7	9	3	5	7	7	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671B	SB-671B	SB-671B	SB-671B	SB-671C	SB-671C	SB-671C	SB-671C	SB-671C
SAMPLE ID	G-SB-671B-3	G-SB-671B-5	G-SB-671B-7	G-SB-671B-9	G-SB-671C-3	G-SB-671C-5	G-SB-671C-7	G-SB-671C-7-AVG	G-SB-671C-7-D
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	7	7
BOTTOM DEPTH	3	5	7	9	3	5	7	7	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	190	18	1.7 U	1.7 U	24	36	1.5 U	1.55 U	1.6 U
BAP EQUIVALENT-POS	190	17	1.7 U	1.7 U	23	35	1.5 U	1.55 U	1.6 U
BENZO(A)ANTHRACENE	120	12	1.2 U	1.2 U	10	25	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	120	12	1.7 U	1.7 U	18	25	1.5 U	1.55 U	1.6 U
BENZO(B)FLUORANTHENE	160	14	1.5 U	1.6 U	17	44	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	62	2.1 U	2.2 U	2.2 U	8.8	12	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671B	SB-671B	SB-671B	SB-671B	SB-671C	SB-671C	SB-671C	SB-671C	SB-671C
SAMPLE ID	G-SB-671B-3	G-SB-671B-5	G-SB-671B-7	G-SB-671B-9	G-SB-671C-3	G-SB-671C-5	G-SB-671C-7	G-SB-671C-7-AVG	G-SB-671C-7-D
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	7	7
BOTTOM DEPTH	3	5	7	9	3	5	7	7	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	130	11	1.2 U	1.2 U	12	36	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	34	1.6 U	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	69	23	1.9 U	2 U	26	30	1.8 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	695	72	0 U	0 U	91.8	172	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-671B	SB-671B	SB-671B	SB-671B	SB-671C	SB-671C	SB-671C	SB-671C	SB-671C
SAMPLE ID	G-SB-671B-3	G-SB-671B-5	G-SB-671B-7	G-SB-671B-9	G-SB-671C-3	G-SB-671C-5	G-SB-671C-7	G-SB-671C-7-AVG	G-SB-671C-7-D
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	7	7
BOTTOM DEPTH	3	5	7	9	3	5	7	7	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671C	SB-671D	SB-671D	SB-671D	SB-671D	SB-673	SB-673	SB-674	SB-674
SAMPLE ID	G-SB-671C-9	G-SB-671D-3	G-SB-671D-5	G-SB-671D-7	G-SB-671D-9	G-SB-673-6	G-SB-673-7	G-SB-674-6	G-SB-674-7
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	6	7	6	7
BOTTOM DEPTH	9	3	5	7	9	6	7	6	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671C	SB-671D	SB-671D	SB-671D	SB-671D	SB-673	SB-673	SB-674	SB-674
SAMPLE ID	G-SB-671C-9	G-SB-671D-3	G-SB-671D-5	G-SB-671D-7	G-SB-671D-9	G-SB-673-6	G-SB-673-7	G-SB-674-6	G-SB-674-7
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	6	7	6	7
BOTTOM DEPTH	9	3	5	7	9	6	7	6	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	114	1.6 U	4.8	16	1.5 U	1.5 U	4.0	27
BAP EQUIVALENT-POS	1.6 U	114	1.6 U	3.0	15	1.5 U	1.5 U	2.3	26
BENZO(A)ANTHRACENE	1.2 U	96	1.2 U	1.2 U	8.7	1.1 U	1.1 U	12	23
BENZO(A)PYRENE	1.6 U	67	1.6 U	1.7 U	11	1.5 U	1.5 U	1.6 U	19
BENZO(B)FLUORANTHENE	1.5 U	88	1.5 U	8.8	12	1.4 U	1.4 U	11	21
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	39	2.1 U	2.2 U	2.1 U	2 U	2 U	2.1 U	9.7
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-671C	SB-671D	SB-671D	SB-671D	SB-671D	SB-673	SB-673	SB-674	SB-674
SAMPLE ID	G-SB-671C-9	G-SB-671D-3	G-SB-671D-5	G-SB-671D-7	G-SB-671D-9	G-SB-673-6	G-SB-673-7	G-SB-674-6	G-SB-674-7
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	6	7	6	7
BOTTOM DEPTH	9	3	5	7	9	6	7	6	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	83	1.1 U	1.1 U	8.7	1.1 U	1.1 U	11	25
DIBENZO(A,H)ANTHRACENE	1.6 U	23	1.6 U	1.7 U	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	47	1.8 U	21	23	1.8 U	1.8 U	1.9 U	23
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	443	0 U	29.8	63.4	0 U	0 U	34	120.7
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-671C	SB-671D	SB-671D	SB-671D	SB-671D	SB-673	SB-673	SB-674	SB-674
SAMPLE ID	G-SB-671C-9	G-SB-671D-3	G-SB-671D-5	G-SB-671D-7	G-SB-671D-9	G-SB-673-6	G-SB-673-7	G-SB-674-6	G-SB-674-7
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	6	7	6	7
BOTTOM DEPTH	9	3	5	7	9	6	7	6	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-675	SB-675	SB-676	SB-676	SB-677	SB-677	SB-677	SB-677	SB-677
SAMPLE ID	G-SB-675-6	G-SB-675-7	G-SB-676-6	G-SB-676-7	G-SB-677-3	G-SB-677-4	G-SB-677-5	G-SB-677-6	G-SB-677-7
SAMPLE DATE	20090930	20090930	20090930	20090930	20091001	20091001	20091001	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	3	4	5	6	7
BOTTOM DEPTH	6	7	6	7	3	4	5	6	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-675	SB-675	SB-676	SB-676	SB-677	SB-677	SB-677	SB-677	SB-677
SAMPLE ID	G-SB-675-6	G-SB-675-7	G-SB-676-6	G-SB-676-7	G-SB-677-3	G-SB-677-4	G-SB-677-5	G-SB-677-6	G-SB-677-7
SAMPLE DATE	20090930	20090930	20090930	20090930	20091001	20091001	20091001	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	3	4	5	6	7
BOTTOM DEPTH	6	7	6	7	3	4	5	6	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	127	16	1.5 U	1.6 U	46	40	1811	21	1.5 U
BAP EQUIVALENT-POS	127	15	1.5 U	1.6 U	45	40	1811	20	1.5 U
BENZO(A)ANTHRACENE	100	16	1.1 U	1.2 U	34	36	1500	13	1.1 U
BENZO(A)PYRENE	73	12	1.5 U	1.6 U	35	30	1300	16	1.5 U
BENZO(B)FLUORANTHENE	93	16	1.4 U	1.5 U	42	41	1300	15	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	32	2 U	2 U	2.1 U	22	17	540	12	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-675	SB-675	SB-676	SB-676	SB-677	SB-677	SB-677	SB-677	SB-677
SAMPLE ID	G-SB-675-6	G-SB-675-7	G-SB-676-6	G-SB-676-7	G-SB-677-3	G-SB-677-4	G-SB-677-5	G-SB-677-6	G-SB-677-7
SAMPLE DATE	20090930	20090930	20090930	20090930	20091001	20091001	20091001	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	3	4	5	6	7
BOTTOM DEPTH	6	7	6	7	3	4	5	6	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	100	14	1.1 U	1.1 U	36	40	1500	17	1 U
DIBENZO(A,H)ANTHRACENE	28	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	160	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	58	1.8 U	1.8 U	1.8 U	19	18	640	11	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	484	58	0 U	0 U	188	182	6940	84	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-675	SB-675	SB-676	SB-676	SB-677	SB-677	SB-677	SB-677	SB-677
SAMPLE ID	G-SB-675-6	G-SB-675-7	G-SB-676-6	G-SB-676-7	G-SB-677-3	G-SB-677-4	G-SB-677-5	G-SB-677-6	G-SB-677-7
SAMPLE DATE	20090930	20090930	20090930	20090930	20091001	20091001	20091001	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	3	4	5	6	7
BOTTOM DEPTH	6	7	6	7	3	4	5	6	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-677	SB-677	SB-677A	SB-677A	SB-677A	SB-677A	SB-677B	SB-677B	SB-677B
SAMPLE ID	G-SB-677-8	G-SB-677-9	G-SB-677A-3	G-SB-677A-5	G-SB-677A-7	G-SB-677A-9	G-SB-677B-3	G-SB-677B-5	G-SB-677B-7
SAMPLE DATE	20091020	20091020	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	9	3	5	7
BOTTOM DEPTH	8	9	3	5	7	9	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-677	SB-677	SB-677A	SB-677A	SB-677A	SB-677A	SB-677B	SB-677B	SB-677B
SAMPLE ID	G-SB-677-8	G-SB-677-9	G-SB-677A-3	G-SB-677A-5	G-SB-677A-7	G-SB-677A-9	G-SB-677B-3	G-SB-677B-5	G-SB-677B-7
SAMPLE DATE	20091020	20091020	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	9	3	5	7
BOTTOM DEPTH	8	9	3	5	7	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	40	269	4.2	21	44	119	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	39	269	2.5	20	43	119	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	26	190	1.1 U	16	28	78	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	31	180	1.5 U	15	32	94	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	54	210	25	37	54	100	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	17	84	1.9 U	2 U	24	60	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-677	SB-677	SB-677A	SB-677A	SB-677A	SB-677A	SB-677B	SB-677B	SB-677B
SAMPLE ID	G-SB-677-8	G-SB-677-9	G-SB-677A-3	G-SB-677A-5	G-SB-677A-7	G-SB-677A-9	G-SB-677B-3	G-SB-677B-5	G-SB-677B-7
SAMPLE DATE	20091020	20091020	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	9	3	5	7
BOTTOM DEPTH	8	9	3	5	7	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	32	230	1 U	19	34	87	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	38	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.7 U	100	1.7 U	1.8 U	23	62	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	160	1032	25	87	195	481	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-677	SB-677	SB-677A	SB-677A	SB-677A	SB-677A	SB-677B	SB-677B	SB-677B
SAMPLE ID	G-SB-677-8	G-SB-677-9	G-SB-677A-3	G-SB-677A-5	G-SB-677A-7	G-SB-677A-9	G-SB-677B-3	G-SB-677B-5	G-SB-677B-7
SAMPLE DATE	20091020	20091020	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	9	3	5	7
BOTTOM DEPTH	8	9	3	5	7	9	3	5	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-677B	SB-677B	SB-677B	SB-677D	SB-677D	SB-677D	SB-677D	SB-678	SB-678
SAMPLE ID	G-SB-677B-9	G-SB-677B-9-AVG	G-SB-677B-9-D	G-SB-677D-3	G-SB-677D-5	G-SB-677D-7	G-SB-677D-9	G-SB-678-3	G-SB-678-4
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091001	20091001
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	9	3	4
BOTTOM DEPTH	9	9	9	3	5	7	9	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-677B	SB-677B	SB-677B	SB-677D	SB-677D	SB-677D	SB-677D	SB-678	SB-678
SAMPLE ID	G-SB-677B-9	G-SB-677B-9-AVG	G-SB-677B-9-D	G-SB-677D-3	G-SB-677D-5	G-SB-677D-7	G-SB-677D-9	G-SB-678-3	G-SB-678-4
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091001	20091001
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	9	3	4
BOTTOM DEPTH	9	9	9	3	5	7	9	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	203	327	452	12	4746	78	38	36	103
BAP EQUIVALENT-POS	202	327	452	12	4746	78	37	36	103
BENZO(A)ANTHRACENE	140 J	205	270 J	8.6	3100	25	14	24	63
BENZO(A)PYRENE	160 J	235	310 J	8	3200	44	30	28	72
BENZO(B)FLUORANTHENE	180 J	255	330 J	27	3700	46	31	33	83
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	74 J	107	140 J	1.9 U	1300	16	7.7	12	37
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-677B	SB-677B	SB-677B	SB-677D	SB-677D	SB-677D	SB-677D	SB-678	SB-678
SAMPLE ID	G-SB-677B-9	G-SB-677B-9-AVG	G-SB-677B-9-D	G-SB-677D-3	G-SB-677D-5	G-SB-677D-7	G-SB-677D-9	G-SB-678-3	G-SB-678-4
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091001	20091001
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	9	3	4
BOTTOM DEPTH	9	9	9	3	5	7	9	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	160 J	235	310 J	8.7	3200	25	17	31	79
DIBENZO(A,H)ANTHRACENE	1.6 UJ	31.4	62 J	1.5 U	650	23	1.5 U	1.5 U	12
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	91 J	135.5	180 J	1.7 U	2000	38	25	18	44
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	805	1203.5	1602	52.3	17150	217	124.7	146	390
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-677B	SB-677B	SB-677B	SB-677D	SB-677D	SB-677D	SB-677D	SB-678	SB-678
SAMPLE ID	G-SB-677B-9	G-SB-677B-9-AVG	G-SB-677B-9-D	G-SB-677D-3	G-SB-677D-5	G-SB-677D-7	G-SB-677D-9	G-SB-678-3	G-SB-678-4
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091001	20091001
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	9	3	4
BOTTOM DEPTH	9	9	9	3	5	7	9	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678B	SB-678B
SAMPLE ID	G-SB-678-5	G-SB-678-6	G-SB-678-7	G-SB-678-8	G-SB-678-8-AVG	G-SB-678-8-D	G-SB-678-9	G-SB-678B-3	G-SB-678B-3-AVG
SAMPLE DATE	20091001	20091020	20091020	20091020	20091020	20091020	20091020	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8	9	3	3
BOTTOM DEPTH	5	6	7	8	8	8	9	3	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678B	SB-678B
SAMPLE ID	G-SB-678-5	G-SB-678-6	G-SB-678-7	G-SB-678-8	G-SB-678-8-AVG	G-SB-678-8-D	G-SB-678-9	G-SB-678B-3	G-SB-678B-3-AVG
SAMPLE DATE	20091001	20091020	20091020	20091020	20091020	20091020	20091020	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8	9	3	3
BOTTOM DEPTH	5	6	7	8	8	8	9	3	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1905	106	379	1.5 U	17	34	2	22	18
BAP EQUIVALENT-POS	1905	105	379	1.5 U	17	33	0.84	22	17
BENZO(A)ANTHRACENE	1100	52	200	1.1 UJ	11.275	22 J	1.1 U	12	6.275
BENZO(A)PYRENE	1300	86	260	1.5 UJ	13.875	27 J	1.5 U	16	12.85
BENZO(B)FLUORANTHENE	1600	86	270	1.4 UJ	10.85	21 J	8.4	21	16
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	470	47	110	2 UJ	8.5	16 J	2 U	1.9 U	1.95 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678B	SB-678B
SAMPLE ID	G-SB-678-5	G-SB-678-6	G-SB-678-7	G-SB-678-8	G-SB-678-8-AVG	G-SB-678-8-D	G-SB-678-9	G-SB-678B-3	G-SB-678B-3-AVG
SAMPLE DATE	20091001	20091020	20091020	20091020	20091020	20091020	20091020	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8	9	3	3
BOTTOM DEPTH	5	6	7	8	8	8	9	3	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1200	65	240	1.1 UJ	13.275	26 J	1.1 U	13	6.75
DIBENZO(A,H)ANTHRACENE	250	1.5 U	53	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	790	51	180	1.8 UJ	8.95	17 J	1.8 U	24	22
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	6710	387	1313	0 U	64.5	129	8.4	86	63.35
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678B	SB-678B
SAMPLE ID	G-SB-678-5	G-SB-678-6	G-SB-678-7	G-SB-678-8	G-SB-678-8-AVG	G-SB-678-8-D	G-SB-678-9	G-SB-678B-3	G-SB-678B-3-AVG
SAMPLE DATE	20091001	20091020	20091020	20091020	20091020	20091020	20091020	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	8	8	9	3	3
BOTTOM DEPTH	5	6	7	8	8	8	9	3	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678B	SB-678B	SB-678B	SB-678B	SB-678C	SB-678C	SB-678C	SB-678C	SB-679
SAMPLE ID	G-SB-678B-3-D	G-SB-678B-5	G-SB-678B-7	G-SB-678B-9	G-SB-678C-3	G-SB-678C-5	G-SB-678C-7	G-SB-678C-9	G-SB-679-3
SAMPLE DATE	20091111	20091111	20091111	20091111	20091030	20091030	20091030	20091030	20091001
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678B	SB-678B	SB-678B	SB-678B	SB-678C	SB-678C	SB-678C	SB-678C	SB-679
SAMPLE ID	G-SB-678B-3-D	G-SB-678B-5	G-SB-678B-7	G-SB-678B-9	G-SB-678C-3	G-SB-678C-5	G-SB-678C-7	G-SB-678C-9	G-SB-679-3
SAMPLE DATE	20091111	20091111	20091111	20091111	20091030	20091030	20091030	20091030	20091001
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	14	140	1.5 U	946	1.5 U	1.5 U	1.6 U	28	71
BAP EQUIVALENT-POS	13	140	1.5 U	946	1.5 U	1.5 U	1.6 U	27	71
BENZO(A)ANTHRACENE	1.1 U	59	1.1 U	580	1.1 U	1.1 U	1.2 U	10	44
BENZO(A)PYRENE	9.7	88	1.5 U	640	1.5 U	1.5 U	1.6 U	21	58
BENZO(B)FLUORANTHENE	11	100	1.4 U	870	1.4 U	1.4 U	1.5 U	26	40
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	28	2 U	230	2 U	2 U	2.1 U	2.1 U	65
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-678B	SB-678B	SB-678B	SB-678B	SB-678C	SB-678C	SB-678C	SB-678C	SB-679
SAMPLE ID	G-SB-678B-3-D	G-SB-678B-5	G-SB-678B-7	G-SB-678B-9	G-SB-678C-3	G-SB-678C-5	G-SB-678C-7	G-SB-678C-9	G-SB-679-3
SAMPLE DATE	20091111	20091111	20091111	20091111	20091030	20091030	20091030	20091030	20091001
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	73	1 U	700	1.1 U	1.1 U	1.1 U	11	53
DIBENZO(A,H)ANTHRACENE	1.5 U	29	1.5 U	120	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	20	64	1.7 U	380	1.8 U	1.8 U	1.9 U	23	35
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	40.7	441	0 U	3520	0 U	0 U	0 U	91	295
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-678B	SB-678B	SB-678B	SB-678B	SB-678C	SB-678C	SB-678C	SB-678C	SB-679
SAMPLE ID	G-SB-678B-3-D	G-SB-678B-5	G-SB-678B-7	G-SB-678B-9	G-SB-678C-3	G-SB-678C-5	G-SB-678C-7	G-SB-678C-9	G-SB-679-3
SAMPLE DATE	20091111	20091111	20091111	20091111	20091030	20091030	20091030	20091030	20091001
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679C	SB-679C	SB-679C
SAMPLE ID	G-SB-679-4	G-SB-679-5	G-SB-679-6	G-SB-679-7	G-SB-679-8	G-SB-679-9	G-SB-679C-3	G-SB-679C-5	G-SB-679C-7
SAMPLE DATE	20091001	20091001	20091020	20091020	20091020	20091020	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	5	7
BOTTOM DEPTH	4	5	6	7	8	9	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679C	SB-679C	SB-679C
SAMPLE ID	G-SB-679-4	G-SB-679-5	G-SB-679-6	G-SB-679-7	G-SB-679-8	G-SB-679-9	G-SB-679C-3	G-SB-679C-5	G-SB-679C-7
SAMPLE DATE	20091001	20091001	20091020	20091020	20091020	20091020	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	5	7
BOTTOM DEPTH	4	5	6	7	8	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	12	222	36	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	11	222	35	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	94	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	9.8	160	30	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	8.1	160	31	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	66	13	2 U	2 U	2 U	2 U	1.9 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679C	SB-679C	SB-679C
SAMPLE ID	G-SB-679-4	G-SB-679-5	G-SB-679-6	G-SB-679-7	G-SB-679-8	G-SB-679-9	G-SB-679C-3	G-SB-679C-5	G-SB-679C-7
SAMPLE DATE	20091001	20091001	20091020	20091020	20091020	20091020	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	5	7
BOTTOM DEPTH	4	5	6	7	8	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	7.9	110	14	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	27	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	89	21	1.8 U	1.8 U	1.8 U	1.7 U	1.7 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	25.8	706	109	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679C	SB-679C	SB-679C
SAMPLE ID	G-SB-679-4	G-SB-679-5	G-SB-679-6	G-SB-679-7	G-SB-679-8	G-SB-679-9	G-SB-679C-3	G-SB-679C-5	G-SB-679C-7
SAMPLE DATE	20091001	20091001	20091020	20091020	20091020	20091020	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	5	7
BOTTOM DEPTH	4	5	6	7	8	9	3	5	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-679C	SB-679C	SB-679C	SB-679D	SB-679D	SB-679D	SB-679D
SAMPLE ID	G-SB-679C-9	G-SB-679C-9-AVG	G-SB-679C-9-D	G-SB-679D-3	G-SB-679D-5	G-SB-679D-7	G-SB-679D-9
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	9
BOTTOM DEPTH	9	9	9	3	5	7	9
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-679C	SB-679C	SB-679C	SB-679D	SB-679D	SB-679D	SB-679D
SAMPLE ID	G-SB-679C-9	G-SB-679C-9-AVG	G-SB-679C-9-D	G-SB-679D-3	G-SB-679D-5	G-SB-679D-7	G-SB-679D-9
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	9
BOTTOM DEPTH	9	9	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	111	56	1.6 U	1.5 U	17	1.5 U	20
BAP EQUIVALENT-POS	111	56	1.6 U	1.5 U	16	1.5 U	20
BENZO(A)ANTHRACENE	23 J	11.775	1.1 UJ	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	68 J	34.4	1.6 UJ	1.5 U	16	1.5 U	16
BENZO(B)FLUORANTHENE	77 J	38.85	1.4 UJ	1.4 U	1.4 U	1.4 U	17
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	13	7	2 U	1.9 U	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-679C	SB-679C	SB-679C	SB-679D	SB-679D	SB-679D	SB-679D
SAMPLE ID	G-SB-679C-9	G-SB-679C-9-AVG	G-SB-679C-9-D	G-SB-679D-3	G-SB-679D-5	G-SB-679D-7	G-SB-679D-9
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	9
BOTTOM DEPTH	9	9	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	33 J	16.775	1.1 UJ	1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	28 J	14.4	1.6 UJ	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	52 J	26.45	1.8 UJ	1.7 U	1.8 U	1.8 U	19
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	294	147	0 U	0 U	16	0 U	52
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-679C	SB-679C	SB-679C	SB-679D	SB-679D	SB-679D	SB-679D
SAMPLE ID	G-SB-679C-9	G-SB-679C-9-AVG	G-SB-679C-9-D	G-SB-679D-3	G-SB-679D-5	G-SB-679D-7	G-SB-679D-9
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	9	3	5	7	9
BOTTOM DEPTH	9	9	9	3	5	7	9
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680D	SB-680D
SAMPLE ID	G-SB-680-3	G-SB-680-4	G-SB-680-5	G-SB-680-6	G-SB-680-7	G-SB-680-8	G-SB-680-9	G-SB-680D-3	G-SB-680D-7
SAMPLE DATE	20091001	20091001	20091001	20091020	20091020	20091020	20091020	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	8	9	3	7
BOTTOM DEPTH	3	4	5	6	7	8	9	3	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680D	SB-680D
SAMPLE ID	G-SB-680-3	G-SB-680-4	G-SB-680-5	G-SB-680-6	G-SB-680-7	G-SB-680-8	G-SB-680-9	G-SB-680D-3	G-SB-680D-7
SAMPLE DATE	20091001	20091001	20091001	20091020	20091020	20091020	20091020	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	8	9	3	7
BOTTOM DEPTH	3	4	5	6	7	8	9	3	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	24	799	1112	24698	604	1.5 U	1.5 U	76	2081
BAP EQUIVALENT-POS	23	799	1112	24698	604	1.5 U	1.5 U	76	2080
BENZO(A)ANTHRACENE	18	530	740	15000	420	1.1 U	1.1 U	47	950
BENZO(A)PYRENE	18	550	760	17000	430	1.5 U	1.5 U	48	1700
BENZO(B)FLUORANTHENE	18	690	900	18000	450	1.4 U	1.4 U	67	1800
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	11	330	400	8100	210	2 U	2 U	26	620
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680D	SB-680D
SAMPLE ID	G-SB-680-3	G-SB-680-4	G-SB-680-5	G-SB-680-6	G-SB-680-7	G-SB-680-8	G-SB-680-9	G-SB-680D-3	G-SB-680D-7
SAMPLE DATE	20091001	20091001	20091001	20091020	20091020	20091020	20091020	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	8	9	3	7
BOTTOM DEPTH	3	4	5	6	7	8	9	3	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	21	590	840	17000	390	1 U	1.1 U	57	1300
DIBENZO(A,H)ANTHRACENE	1.5 U	93	140	3300	61	1.5 U	1.5 U	13	3.3 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	11	300	430	10000	240	1.7 U	1.8 U	35	970
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	97	3083	4210	88400	2201	0 U	0 U	293	7340
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680D	SB-680D
SAMPLE ID	G-SB-680-3	G-SB-680-4	G-SB-680-5	G-SB-680-6	G-SB-680-7	G-SB-680-8	G-SB-680-9	G-SB-680D-3	G-SB-680D-7
SAMPLE DATE	20091001	20091001	20091001	20091020	20091020	20091020	20091020	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	8	9	3	7
BOTTOM DEPTH	3	4	5	6	7	8	9	3	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-680D	SB-681	SB-681	SB-682	SB-682	SB-683	SB-683	SB-684	SB-684
SAMPLE ID	G-SB-680D-9	G-SB-681-5	G-SB-681-6	G-SB-682-5	G-SB-682-6	G-SB-683-5	G-SB-683-6	G-SB-684-5	G-SB-684-5-AVG
SAMPLE DATE	20091102	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	6	5	6	5	6	5	5
BOTTOM DEPTH	9	5	6	5	6	5	6	5	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-680D	SB-681	SB-681	SB-682	SB-682	SB-683	SB-683	SB-684	SB-684
SAMPLE ID	G-SB-680D-9	G-SB-681-5	G-SB-681-6	G-SB-682-5	G-SB-682-6	G-SB-683-5	G-SB-683-6	G-SB-684-5	G-SB-684-5-AVG
SAMPLE DATE	20091102	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	6	5	6	5	6	5	5
BOTTOM DEPTH	9	5	6	5	6	5	6	5	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	10	83	1.5 U	1.5 U	24	149	1.6 U	2.8	58
BAP EQUIVALENT-POS	9.4	82	1.5 U	1.5 U	23	149	1.6 U	1.1	57
BENZO(A)ANTHRACENE	1.1 U	99	1.1 U	1.1 U	21	76	1.1 U	11 J	50
BENZO(A)PYRENE	8.4	60	1.5 U	1.5 U	16	92	1.6 U	1.5 UJ	32.375
BENZO(B)FLUORANTHENE	10	83	1.4 U	1.3 U	26	120	1.4 U	1.4 UJ	55.35
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	42	1.9 U	1.9 U	9	50	2 U	2 UJ	16
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLE DATE	20091102	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	6	5	6	5	6	5	5
BOTTOM DEPTH	9	5	6	5	6	5	6	5	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	80	1 U	1 U	20	100	1.1 U	1 UJ	39.75
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	31	1.6 U	1.5 UJ	12.875
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	35	1.7 U	1.7 U	20	59	1.8 U	1.7 UJ	22.925
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	18.4	399	0 U	0 U	112	528	0 U	11	227
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-680D	SB-681	SB-681	SB-682	SB-682	SB-683	SB-683	SB-684	SB-684
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SAMPLE DATE	20091102	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	6	5	6	5	6	5	5
BOTTOM DEPTH	9	5	6	5	6	5	6	5	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-684	SB-684	SB-685	SB-685	SB-685	SB-685	SB-686	SB-686	SB-687
SAMPLE ID	G-SB-684-5-D	G-SB-684-6	G-SB-685-3	G-SB-685-4	G-SB-685-4-AVG	G-SB-685-4-D	G-SB-686-3	G-SB-686-4	G-SB-687-3
SAMPLE DATE	20090923	20090923	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	3	4	4	4	3	4	3
BOTTOM DEPTH	5	6	3	4	4	4	3	4	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-684	SB-684	SB-685	SB-685	SB-685	SB-685	SB-686	SB-686	SB-687
SAMPLE ID	G-SB-684-5-D	G-SB-684-6	G-SB-685-3	G-SB-685-4	G-SB-685-4-AVG	G-SB-685-4-D	G-SB-686-3	G-SB-686-4	G-SB-687-3
SAMPLE DATE	20090923	20090923	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	3	4	4	4	3	4	3
BOTTOM DEPTH	5	6	3	4	4	4	3	4	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	114	1.5 U	11	48	44	40	1.4 U	1.5 U	10
BAP EQUIVALENT-POS	114	1.5 U	10	47	43	39	1.4 U	1.5 U	9.2
BENZO(A)ANTHRACENE	89 J	1.1 U	1.1 U	40	36	32	1 U	1.1 U	1.1 U
BENZO(A)PYRENE	64 J	1.5 U	9.1	36	33	30	1.4 U	1.5 U	7.9
BENZO(B)FLUORANTHENE	110 J	1.4 U	9.5	43	39	35	1.3 U	1.4 U	13
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	31 J	2 U	1.9 U	18	19.5	21	1.9 U	1.9 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-684	SB-684	SB-685	SB-685	SB-685	SB-685	SB-686	SB-686	SB-687
SAMPLE ID	G-SB-684-5-D	G-SB-684-6	G-SB-685-3	G-SB-685-4	G-SB-685-4-AVG	G-SB-685-4-D	G-SB-686-3	G-SB-686-4	G-SB-687-3
SAMPLE DATE	20090923	20090923	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	3	4	4	4	3	4	3
BOTTOM DEPTH	5	6	3	4	4	4	3	4	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	79 J	1.1 U	11	41	42.5	44	0.99 U	1 U	9.2
DIBENZO(A,H)ANTHRACENE	25 J	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	45 J	1.8 U	1.7 U	23	21	19	1.7 U	1.7 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	443	0 U	29.6	201	191	181	0 U	0 U	30.1
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-684	SB-684	SB-685	SB-685	SB-685	SB-685	SB-686	SB-686	SB-687
SAMPLE ID	G-SB-684-5-D	G-SB-684-6	G-SB-685-3	G-SB-685-4	G-SB-685-4-AVG	G-SB-685-4-D	G-SB-686-3	G-SB-686-4	G-SB-687-3
SAMPLE DATE	20090923	20090923	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	3	4	4	4	3	4	3
BOTTOM DEPTH	5	6	3	4	4	4	3	4	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-687	SB-688	SB-688	SB-689	SB-689	SB-690	SB-690	SB-690	SB-690
SAMPLE ID	G-SB-687-4	G-SB-688-3	G-SB-688-4	G-SB-689-7	G-SB-689-8	G-SB-690-7	G-SB-690-7-AVG	G-SB-690-7-D	G-SB-690-8
SAMPLE DATE	20091001	20091001	20091001	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	7	8	7	7	7	8
BOTTOM DEPTH	4	3	4	7	8	7	7	7	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-687	SB-688	SB-688	SB-689	SB-689	SB-690	SB-690	SB-690	SB-690
SAMPLE ID	G-SB-687-4	G-SB-688-3	G-SB-688-4	G-SB-689-7	G-SB-689-8	G-SB-690-7	G-SB-690-7-AVG	G-SB-690-7-D	G-SB-690-8
SAMPLE DATE	20091001	20091001	20091001	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	7	8	7	7	7	8
BOTTOM DEPTH	4	3	4	7	8	7	7	7	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	16	13	1.6 U	1.5 U	1.5 U	1.7 U	6.4	12	1.5 U
BAP EQUIVALENT-POS	15	12	1.6 U	1.5 U	1.5 U	1.7 U	6.0	11	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	4.4	8.2	1.1 U
BENZO(A)PYRENE	13	11	1.6 U	1.5 U	1.5 U	1.7 U	4.325	7.8	1.5 U
BENZO(B)FLUORANTHENE	13	1.4 U	1.5 U	1.4 U	1.4 U	1.6 U	4.6	8.4	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	1.9 U	2.1 U	2 U	2 U	2.2 U	2.05 U	1.9 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-687	SB-688	SB-688	SB-689	SB-689	SB-690	SB-690	SB-690	SB-690
SAMPLE ID	G-SB-687-4	G-SB-688-3	G-SB-688-4	G-SB-689-7	G-SB-689-8	G-SB-690-7	G-SB-690-7-AVG	G-SB-690-7-D	G-SB-690-8
SAMPLE DATE	20091001	20091001	20091001	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	7	8	7	7	7	8
BOTTOM DEPTH	4	3	4	7	8	7	7	7	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	13	8.7	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	7.8	8.5	1.8 U	1.8 U	1.8 U	2 UJ	9	17 J	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	46.8	28.2	0 U	0 U	0 U	0 U	20.7	41.4	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-687	SB-688	SB-688	SB-689	SB-689	SB-690	SB-690	SB-690	SB-690
SAMPLE ID	G-SB-687-4	G-SB-688-3	G-SB-688-4	G-SB-689-7	G-SB-689-8	G-SB-690-7	G-SB-690-7-AVG	G-SB-690-7-D	G-SB-690-8
SAMPLE DATE	20091001	20091001	20091001	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	7	8	7	7	7	8
BOTTOM DEPTH	4	3	4	7	8	7	7	7	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-691	SB-691	SB-692	SB-692	SB-693	SB-693	SB-693	SB-693	SB-693
SAMPLE ID	G-SB-691-7	G-SB-691-8	G-SB-692-7	G-SB-692-8	G-SB-693-5	G-SB-693-6	G-SB-693-7	G-SB-693-8	G-SB-693-9
SAMPLE DATE	20090930	20090930	20090929	20090929	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	7	8	5	6	7	8	9
BOTTOM DEPTH	7	8	7	8	5	6	7	8	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-691	SB-691	SB-692	SB-692	SB-693	SB-693	SB-693	SB-693	SB-693
SAMPLE ID	G-SB-691-7	G-SB-691-8	G-SB-692-7	G-SB-692-8	G-SB-693-5	G-SB-693-6	G-SB-693-7	G-SB-693-8	G-SB-693-9
SAMPLE DATE	20090930	20090930	20090929	20090929	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	7	8	5	6	7	8	9
BOTTOM DEPTH	7	8	7	8	5	6	7	8	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	3.4	1.6 U	1.5 U	1.5 U	4469	21	2.7	1.6 U	2.7
BAP EQUIVALENT-POS	1.7	1.6 U	1.5 U	1.5 U	4469	20	0.93	1.6 U	0.91
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	3000	16	1.2 U	1.2 U	9
BENZO(A)PYRENE	1.6 U	1.6 U	1.5 U	1.5 U	3100	16	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.4 U	3400	17	9.2	1.5 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	1.9 U	2 U	1600	2.1 U	2.1 U	2.1 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-691	SB-691	SB-692	SB-692	SB-693	SB-693	SB-693	SB-693	SB-693
SAMPLE ID	G-SB-691-7	G-SB-691-8	G-SB-692-7	G-SB-692-8	G-SB-693-5	G-SB-693-6	G-SB-693-7	G-SB-693-8	G-SB-693-9
SAMPLE DATE	20090930	20090930	20090929	20090929	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	7	8	5	6	7	8	9
BOTTOM DEPTH	7	8	7	8	5	6	7	8	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1 U	1.1 U	3300	14	9.4	1.1 U	11
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.5 U	1.5 U	540	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	17	1.8 U	1.7 U	1.8 U	1700	8.2	1.9 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	17	0 U	0 U	0 U	16640	71.2	18.6	0 U	20
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-691	SB-691	SB-692	SB-692	SB-693	SB-693	SB-693	SB-693	SB-693
SAMPLE ID	G-SB-691-7	G-SB-691-8	G-SB-692-7	G-SB-692-8	G-SB-693-5	G-SB-693-6	G-SB-693-7	G-SB-693-8	G-SB-693-9
SAMPLE DATE	20090930	20090930	20090929	20090929	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	8	7	8	5	6	7	8	9
BOTTOM DEPTH	7	8	7	8	5	6	7	8	9
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-693A	SB-693A	SB-693A	SB-693B	SB-693B	SB-693B	SB-693D	SB-693D	SB-693D
SAMPLE ID	G-SB-693A-4	G-SB-693A-6	G-SB-693A-8	G-SB-693B-4	G-SB-693B-6	G-SB-693B-8	G-SB-693D-4	G-SB-693D-6	G-SB-693D-8
SAMPLE DATE	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-693A	SB-693A	SB-693A	SB-693B	SB-693B	SB-693B	SB-693D	SB-693D	SB-693D
SAMPLE ID	G-SB-693A-4	G-SB-693A-6	G-SB-693A-8	G-SB-693B-4	G-SB-693B-6	G-SB-693B-8	G-SB-693D-4	G-SB-693D-6	G-SB-693D-8
SAMPLE DATE	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	55	386	242	77	23	14	15	780	65
BAP EQUIVALENT-POS	54	386	242	77	23	13	15	780	65
BENZO(A)ANTHRACENE	42	250	160	48	14	9.5	13	570	44 J
BENZO(A)PYRENE	42	270	170	52	18	11	12	550	44 J
BENZO(B)FLUORANTHENE	49	280	170	61	18	12	12	610	49 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	18	150	100	25	10	2.1 U	2 U	270	20 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-693A	SB-693A	SB-693A	SB-693B	SB-693B	SB-693B	SB-693D	SB-693D	SB-693D
SAMPLE ID	G-SB-693A-4	G-SB-693A-6	G-SB-693A-8	G-SB-693B-4	G-SB-693B-6	G-SB-693B-8	G-SB-693D-4	G-SB-693D-6	G-SB-693D-8
SAMPLE DATE	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	57	290	190	64	21	13	16	640	51 J
DIBENZO(A,H)ANTHRACENE	1.5 U	45	28	10	1.6 U	1.6 U	1.5 U	78	8.5 J
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	27	160	97	36	13	1.9 U	1.7 U	310	28 J
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	235	1445	915	296	94	45.5	53	3028	244.5
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-693A	SB-693A	SB-693A	SB-693B	SB-693B	SB-693B	SB-693D	SB-693D	SB-693D
SAMPLE ID	G-SB-693A-4	G-SB-693A-6	G-SB-693A-8	G-SB-693B-4	G-SB-693B-6	G-SB-693B-8	G-SB-693D-4	G-SB-693D-6	G-SB-693D-8
SAMPLE DATE	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-693D	SB-693D	SB-694	SB-694	SB-695	SB-695	SB-695	SB-695	SB-696
SAMPLE ID	G-SB-693D-8-AVG	G-SB-693D-8-D	G-SB-694-5	G-SB-694-6	G-SB-695-5	G-SB-695-5-AVG	G-SB-695-5-D	G-SB-695-6	G-SB-696-5
SAMPLE DATE	20091027	20091027	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	5	6	5	5	5	6	5
BOTTOM DEPTH	8	8	5	6	5	5	5	6	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-693D	SB-693D	SB-694	SB-694	SB-695	SB-695	SB-695	SB-695	SB-696
SAMPLE ID	G-SB-693D-8-AVG	G-SB-693D-8-D	G-SB-694-5	G-SB-694-6	G-SB-695-5	G-SB-695-5-AVG	G-SB-695-5-D	G-SB-695-6	G-SB-696-5
SAMPLE DATE	20091027	20091027	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	5	6	5	5	5	6	5
BOTTOM DEPTH	8	8	5	6	5	5	5	6	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	354	644	20	1.6 U	50	44	39	25	43
BAP EQUIVALENT-POS	354	644	19	1.6 U	49	43	38	24	42
BENZO(A)ANTHRACENE	247	450 J	11	1.1 U	41	35	29	18	24
BENZO(A)PYRENE	242	440 J	14	1.6 U	38	33.5	29	19	34
BENZO(B)FLUORANTHENE	254.5	460 J	15	1.4 U	41	35	29	20	35
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	120	220 J	2.1 U	2 U	17	14.5	12	9.5	15
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-693D	SB-693D	SB-694	SB-694	SB-695	SB-695	SB-695	SB-695	SB-696
SAMPLE ID	G-SB-693D-8-AVG	G-SB-693D-8-D	G-SB-694-5	G-SB-694-6	G-SB-695-5	G-SB-695-5-AVG	G-SB-695-5-D	G-SB-695-6	G-SB-696-5
SAMPLE DATE	20091027	20091027	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	5	6	5	5	5	6	5
BOTTOM DEPTH	8	8	5	6	5	5	5	6	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	305.5	560 J	16	1.1 U	43	36.5	30	20	28
DIBENZO(A,H)ANTHRACENE	45.75	83 J	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	149	270 J	21	1.8 U	25	27.5	30	11	22
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1363.75	2483	77	0 U	205	182	159	97.5	158
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-693D	SB-693D	SB-694	SB-694	SB-695	SB-695	SB-695	SB-695	SB-696
SAMPLE ID	G-SB-693D-8-AVG	G-SB-693D-8-D	G-SB-694-5	G-SB-694-6	G-SB-695-5	G-SB-695-5-AVG	G-SB-695-5-D	G-SB-695-6	G-SB-696-5
SAMPLE DATE	20091027	20091027	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	5	6	5	5	5	6	5
BOTTOM DEPTH	8	8	5	6	5	5	5	6	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-696	SB-697	SB-697	SB-698	SB-698	SB-699	SB-699	SB-700	SB-700
SAMPLE ID	G-SB-696-6	G-SB-697-10	G-SB-697-9	G-SB-698-10	G-SB-698-9	G-SB-699-3	G-SB-699-4	G-SB-700-3	G-SB-700-4
SAMPLE DATE	20091001	20090930	20090930	20090930	20090930	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	10	9	10	9	3	4	3	4
BOTTOM DEPTH	6	10	9	10	9	3	4	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-696	SB-697	SB-697	SB-698	SB-698	SB-699	SB-699	SB-700	SB-700
SAMPLE ID	G-SB-696-6	G-SB-697-10	G-SB-697-9	G-SB-698-10	G-SB-698-9	G-SB-699-3	G-SB-699-4	G-SB-700-3	G-SB-700-4
SAMPLE DATE	20091001	20090930	20090930	20090930	20090930	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	10	9	10	9	3	4	3	4
BOTTOM DEPTH	6	10	9	10	9	3	4	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	126	1.6 U	1.5 U	18	2.5	136	14	17	33
BAP EQUIVALENT-POS	126	1.6 U	1.5 U	17	0.84	136	13	16	32
BENZO(A)ANTHRACENE	55	1.2 U	1.1 U	12	1.1 U	92	12	7.9	13
BENZO(A)PYRENE	89	1.6 U	1.5 U	12	1.5 U	96	11	14	26
BENZO(B)FLUORANTHENE	94	1.5 U	1.4 U	18	8.4	100	12	13	31
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	38	2.1 U	2 U	1.9 U	1.9 U	44	2 U	1.9 U	8.1
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-696	SB-697	SB-697	SB-698	SB-698	SB-699	SB-699	SB-700	SB-700
SAMPLE ID	G-SB-696-6	G-SB-697-10	G-SB-697-9	G-SB-698-10	G-SB-698-9	G-SB-699-3	G-SB-699-4	G-SB-700-3	G-SB-700-4
SAMPLE DATE	20091001	20090930	20090930	20090930	20090930	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	10	9	10	9	3	4	3	4
BOTTOM DEPTH	6	10	9	10	9	3	4	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	77	1.1 U	1.1 U	14	1 U	99	9.9	1 U	18
DIBENZO(A,H)ANTHRACENE	16	1.6 U	1.5 U	1.5 U	1.5 U	14	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	57	1.8 U	1.8 U	20	1.7 U	59	1.8 U	1.7 U	18
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	426	0 U	0 U	76	8.4	504	44.9	34.9	114.1
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-696	SB-697	SB-697	SB-698	SB-698	SB-699	SB-699	SB-700	SB-700
SAMPLE ID	G-SB-696-6	G-SB-697-10	G-SB-697-9	G-SB-698-10	G-SB-698-9	G-SB-699-3	G-SB-699-4	G-SB-700-3	G-SB-700-4
SAMPLE DATE	20091001	20090930	20090930	20090930	20090930	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	10	9	10	9	3	4	3	4
BOTTOM DEPTH	6	10	9	10	9	3	4	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-701	SB-701	SB-702	SB-702	SB-703	SB-703	SB-704	SB-704	SB-704
SAMPLE ID	G-SB-701-3	G-SB-701-4	G-SB-702-3	G-SB-702-4	G-SB-703-7	G-SB-703-8	G-SB-704-10	G-SB-704-3	G-SB-704-4
SAMPLE DATE	20090929	20090929	20091007	20091007	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	7	8	10	3	4
BOTTOM DEPTH	3	4	3	4	7	8	10	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-701	SB-701	SB-702	SB-702	SB-703	SB-703	SB-704	SB-704	SB-704
SAMPLE ID	G-SB-701-3	G-SB-701-4	G-SB-702-3	G-SB-702-4	G-SB-703-7	G-SB-703-8	G-SB-704-10	G-SB-704-3	G-SB-704-4
SAMPLE DATE	20090929	20090929	20091007	20091007	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	7	8	10	3	4
BOTTOM DEPTH	3	4	3	4	7	8	10	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	67	65	1.5 U	3.1	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	67	65	1.5 U	1.3	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	25	27	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	48	45	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	45	47	1.4 U	13	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	21	21	2 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-701	SB-701	SB-702	SB-702	SB-703	SB-703	SB-704	SB-704	SB-704
SAMPLE ID	G-SB-701-3	G-SB-701-4	G-SB-702-3	G-SB-702-4	G-SB-703-7	G-SB-703-8	G-SB-704-10	G-SB-704-3	G-SB-704-4
SAMPLE DATE	20090929	20090929	20091007	20091007	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	7	8	10	3	4
BOTTOM DEPTH	3	4	3	4	7	8	10	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	35	35	1.1 U	8.7	1.1 U	1.1 U	1.1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	8.9	9.1	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	31	30	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	1.7 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	213.9	214.1	0 U	21.7	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-701	SB-701	SB-702	SB-702	SB-703	SB-703	SB-704	SB-704	SB-704
SAMPLE ID	G-SB-701-3	G-SB-701-4	G-SB-702-3	G-SB-702-4	G-SB-703-7	G-SB-703-8	G-SB-704-10	G-SB-704-3	G-SB-704-4
SAMPLE DATE	20090929	20090929	20091007	20091007	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	7	8	10	3	4
BOTTOM DEPTH	3	4	3	4	7	8	10	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-704	SB-704	SB-704	SB-704	SB-704	SB-705	SB-705	SB-706	SB-706
SAMPLE ID	G-SB-704-5	G-SB-704-6	G-SB-704-7	G-SB-704-8	G-SB-704-9	G-SB-705-3	G-SB-705-4	G-SB-706-10	G-SB-706-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	10	3
BOTTOM DEPTH	5	6	7	8	9	3	4	10	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-704	SB-704	SB-704	SB-704	SB-704	SB-705	SB-705	SB-706	SB-706
SAMPLE ID	G-SB-704-5	G-SB-704-6	G-SB-704-7	G-SB-704-8	G-SB-704-9	G-SB-705-3	G-SB-705-4	G-SB-706-10	G-SB-706-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	10	3
BOTTOM DEPTH	5	6	7	8	9	3	4	10	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	20
BAP EQUIVALENT-POS	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	19
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	14
BENZO(A)PYRENE	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	14
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	17
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U	2.1 U	7.9
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-704	SB-704	SB-704	SB-704	SB-704	SB-705	SB-705	SB-706	SB-706
SAMPLE ID	G-SB-704-5	G-SB-704-6	G-SB-704-7	G-SB-704-8	G-SB-704-9	G-SB-705-3	G-SB-705-4	G-SB-706-10	G-SB-706-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	10	3
BOTTOM DEPTH	5	6	7	8	9	3	4	10	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	16
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U	1.7 U	1.8 U	20
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	88.9
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-704	SB-704	SB-704	SB-704	SB-704	SB-705	SB-705	SB-706	SB-706
SAMPLE ID	G-SB-704-5	G-SB-704-6	G-SB-704-7	G-SB-704-8	G-SB-704-9	G-SB-705-3	G-SB-705-4	G-SB-706-10	G-SB-706-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	10	3
BOTTOM DEPTH	5	6	7	8	9	3	4	10	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-707
SAMPLE ID	G-SB-706-4	G-SB-706-5	G-SB-706-6	G-SB-706-6-AVG	G-SB-706-6-D	G-SB-706-7	G-SB-706-8	G-SB-706-9	G-SB-707-3
SAMPLE DATE	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	6	6	7	8	9	3
BOTTOM DEPTH	4	5	6	6	6	7	8	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-707
SAMPLE ID	G-SB-706-4	G-SB-706-5	G-SB-706-6	G-SB-706-6-AVG	G-SB-706-6-D	G-SB-706-7	G-SB-706-8	G-SB-706-9	G-SB-707-3
SAMPLE DATE	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	6	6	7	8	9	3
BOTTOM DEPTH	4	5	6	6	6	7	8	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.15 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.45 U	1.5 U	1.4 U	1.5 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	2 U	1.9 U	2 U	2.1 U	2 U	2.1 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-707
SAMPLE ID	G-SB-706-4	G-SB-706-5	G-SB-706-6	G-SB-706-6-AVG	G-SB-706-6-D	G-SB-706-7	G-SB-706-8	G-SB-706-9	G-SB-707-3
SAMPLE DATE	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	6	6	7	8	9	3
BOTTOM DEPTH	4	5	6	6	6	7	8	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1 U	1 U	1.05 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.7 U	1.7 U	1.75 U	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-707
SAMPLE ID	G-SB-706-4	G-SB-706-5	G-SB-706-6	G-SB-706-6-AVG	G-SB-706-6-D	G-SB-706-7	G-SB-706-8	G-SB-706-9	G-SB-707-3
SAMPLE DATE	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	6	6	7	8	9	3
BOTTOM DEPTH	4	5	6	6	6	7	8	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-707	SB-708	SB-708	SB-708	SB-708	SB-708	SB-709	SB-709
SAMPLE ID	G-SB-707-4	G-SB-708-3	G-SB-708-4	G-SB-708-5	G-SB-708-6	G-SB-708-7	G-SB-709-3	G-SB-709-4
SAMPLE DATE	20090922	20091007	20091007	20091007	20091007	20091007	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	4
BOTTOM DEPTH	4	3	4	5	6	7	3	4
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-707	SB-708	SB-708	SB-708	SB-708	SB-708	SB-709	SB-709
SAMPLE ID	G-SB-707-4	G-SB-708-3	G-SB-708-4	G-SB-708-5	G-SB-708-6	G-SB-708-7	G-SB-709-3	G-SB-709-4
SAMPLE DATE	20090922	20091007	20091007	20091007	20091007	20091007	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	4
BOTTOM DEPTH	4	3	4	5	6	7	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	548	2823	91	1.6 U	1.5 U	51	1.6 U
BAP EQUIVALENT-POS	1.5 U	548	2823	90	1.6 U	1.5 U	50	1.6 U
BENZO(A)ANTHRACENE	1.1 U	420	1900	56	1.2 U	1.1 U	44	1.2 U
BENZO(A)PYRENE	1.5 U	370	2000	70	1.6 U	1.5 U	38	1.6 U
BENZO(B)FLUORANTHENE	1.4 U	490	2500	95	1.5 U	1.4 U	47	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	190	1100	40	2.1 U	2 U	23	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-707	SB-708	SB-708	SB-708	SB-708	SB-708	SB-709	SB-709
SAMPLE ID	G-SB-707-4	G-SB-708-3	G-SB-708-4	G-SB-708-5	G-SB-708-6	G-SB-708-7	G-SB-709-3	G-SB-709-4
SAMPLE DATE	20090922	20091007	20091007	20091007	20091007	20091007	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	4
BOTTOM DEPTH	4	3	4	5	6	7	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	410	2100	58	1.1 U	1.1 U	42	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	64	270	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	210	1000	44	1.9 U	1.8 U	25	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	2154	10870	363	0 U	0 U	219	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-707	SB-708	SB-708	SB-708	SB-708	SB-708	SB-709	SB-709
SAMPLE ID	G-SB-707-4	G-SB-708-3	G-SB-708-4	G-SB-708-5	G-SB-708-6	G-SB-708-7	G-SB-709-3	G-SB-709-4
SAMPLE DATE	20090922	20091007	20091007	20091007	20091007	20091007	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	4
BOTTOM DEPTH	4	3	4	5	6	7	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-710	SB-710	SB-710	SB-710	SB-712	SB-712	SB-713	SB-713	SB-714
SAMPLE ID	G-SB-710-3	G-SB-710-4	G-SB-710-4-AVG	G-SB-710-4-D	G-SB-712-3	G-SB-712-4	G-SB-713-3	G-SB-713-4	G-SB-714-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20091008
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	4	3	4	3	4	3
BOTTOM DEPTH	3	4	4	4	3	4	3	4	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-710	SB-710	SB-710	SB-710	SB-712	SB-712	SB-713	SB-713	SB-714
SAMPLE ID	G-SB-710-3	G-SB-710-4	G-SB-710-4-AVG	G-SB-710-4-D	G-SB-712-3	G-SB-712-4	G-SB-713-3	G-SB-713-4	G-SB-714-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20091008
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	4	3	4	3	4	3
BOTTOM DEPTH	3	4	4	4	3	4	3	4	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	24	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	820
BAP EQUIVALENT-POS	23	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	820
BENZO(A)ANTHRACENE	19	1.2 U	1.2 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	460
BENZO(A)PYRENE	18	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	540
BENZO(B)FLUORANTHENE	23	1.5 U	1.5 U	1.5 U	1.3 U	1.4 U	1.4 U	1.4 U	740
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	10	2.1 U	2.1 U	2.1 U	1.9 U	2 U	2 U	2 U	7.6 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-710	SB-710	SB-710	SB-710	SB-712	SB-712	SB-713	SB-713	SB-714
SAMPLE ID	G-SB-710-3	G-SB-710-4	G-SB-710-4-AVG	G-SB-710-4-D	G-SB-712-3	G-SB-712-4	G-SB-713-3	G-SB-713-4	G-SB-714-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20091008
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	4	3	4	3	4	3
BOTTOM DEPTH	3	4	4	4	3	4	3	4	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	20	1.1 U	1.1 U	1.1 U	0.99 U	1 U	1.1 U	1 U	540
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	120
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	9.8	1.8 U	1.8 U	1.8 U	1.7 U	1.7 U	1.8 U	1.7 U	390
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	99.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2790
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-710	SB-710	SB-710	SB-710	SB-712	SB-712	SB-713	SB-713	SB-714
SAMPLE ID	G-SB-710-3	G-SB-710-4	G-SB-710-4-AVG	G-SB-710-4-D	G-SB-712-3	G-SB-712-4	G-SB-713-3	G-SB-713-4	G-SB-714-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20091008
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	4	3	4	3	4	3
BOTTOM DEPTH	3	4	4	4	3	4	3	4	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-714	SB-714	SB-714	SB-714	SB-714	SB-714	SB-715	SB-715	SB-716
SAMPLE ID	G-SB-714-4	G-SB-714-5	G-SB-714-6	G-SB-714-6-AVG	G-SB-714-6-D	G-SB-714-7	G-SB-715-3	G-SB-715-4	G-SB-716-10
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	6	6	7	3	4	10
BOTTOM DEPTH	4	5	6	6	6	7	3	4	10
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-714	SB-714	SB-714	SB-714	SB-714	SB-714	SB-715	SB-715	SB-716
SAMPLE ID	G-SB-714-4	G-SB-714-5	G-SB-714-6	G-SB-714-6-AVG	G-SB-714-6-D	G-SB-714-7	G-SB-715-3	G-SB-715-4	G-SB-716-10
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	6	6	7	3	4	10
BOTTOM DEPTH	4	5	6	6	6	7	3	4	10
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2492	4583	53040	27129	1218	2404	48	23	1.5 U
BAP EQUIVALENT-POS	2492	4583	53040	27129	1218	2404	48	22	1.5 U
BENZO(A)ANTHRACENE	1600	3300	43000 J	21855	710 J	2100	46	22	1.1 U
BENZO(A)PYRENE	1600	3000	35000 J	17895	790 J	1600	35	16	1.5 U
BENZO(B)FLUORANTHENE	2600	4300	51000 J	26100	1200 J	2400	55	27	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	39 U	61 U	71 U	36.4 U	1.8 U	4.2 U	22	14	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-714	SB-714	SB-714	SB-714	SB-714	SB-714	SB-715	SB-715	SB-716
SAMPLE ID	G-SB-714-4	G-SB-714-5	G-SB-714-6	G-SB-714-6-AVG	G-SB-714-6-D	G-SB-714-7	G-SB-715-3	G-SB-715-4	G-SB-716-10
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	6	6	7	3	4	10
BOTTOM DEPTH	4	5	6	6	6	7	3	4	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1800	3100	40000 J	20355	710 J	2000	46	22	1.1 U
DIBENZO(A,H)ANTHRACENE	360	630	6500 J	3340	180 J	260	1.4 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1100	1900	21000 J	10780	560 J	920	22	9.2	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	9060	16230	196500	100325	4150	9280	226	110.2	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-714	SB-714	SB-714	SB-714	SB-714	SB-714	SB-715	SB-715	SB-716
SAMPLE ID	G-SB-714-4	G-SB-714-5	G-SB-714-6	G-SB-714-6-AVG	G-SB-714-6-D	G-SB-714-7	G-SB-715-3	G-SB-715-4	G-SB-716-10
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	6	6	7	3	4	10
BOTTOM DEPTH	4	5	6	6	6	7	3	4	10
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-716	SB-716	SB-716	SB-716	SB-716	SB-716	SB-717	SB-717	SB-718
SAMPLE ID	G-SB-716-3	G-SB-716-5	G-SB-716-6	G-SB-716-7	G-SB-716-8	G-SB-716-9	G-SB-717-3	G-SB-717-4	G-SB-718-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	3	4	3
BOTTOM DEPTH	3	5	6	7	8	9	3	4	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-716	SB-716	SB-716	SB-716	SB-716	SB-716	SB-717	SB-717	SB-718
SAMPLE ID	G-SB-716-3	G-SB-716-5	G-SB-716-6	G-SB-716-7	G-SB-716-8	G-SB-716-9	G-SB-717-3	G-SB-717-4	G-SB-718-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	3	4	3
BOTTOM DEPTH	3	5	6	7	8	9	3	4	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.7 U	1.5 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.7 U	1.5 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.7 U	1.5 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	1.5 U	1.4 U	1.4 U	1.5 U	1.4 U	1.6 U	1.4 U	1.5 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2 U	2 U	2.1 U	2 U	2.2 U	2 U	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-716	SB-716	SB-716	SB-716	SB-716	SB-716	SB-717	SB-717	SB-718
SAMPLE ID	G-SB-716-3	G-SB-716-5	G-SB-716-6	G-SB-716-7	G-SB-716-8	G-SB-716-9	G-SB-717-3	G-SB-717-4	G-SB-718-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	3	4	3
BOTTOM DEPTH	3	5	6	7	8	9	3	4	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.2 U	1.1 U	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.7 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U	1.9 U	1.8 U	1.8 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-716	SB-716	SB-716	SB-716	SB-716	SB-716	SB-717	SB-717	SB-718
SAMPLE ID	G-SB-716-3	G-SB-716-5	G-SB-716-6	G-SB-716-7	G-SB-716-8	G-SB-716-9	G-SB-717-3	G-SB-717-4	G-SB-718-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	3	4	3
BOTTOM DEPTH	3	5	6	7	8	9	3	4	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-718	SB-719	SB-719	SB-720	SB-720	SB-720	SB-720	SB-720	SB-721
SAMPLE ID	G-SB-718-4	G-SB-719-3	G-SB-719-4	G-SB-720-3	G-SB-720-4	G-SB-720-5	G-SB-720-6	G-SB-720-7	G-SB-721-3
SAMPLE DATE	20090922	20090922	20090922	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	3	4	5	6	7	3
BOTTOM DEPTH	4	3	4	3	4	5	6	7	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-718	SB-719	SB-719	SB-720	SB-720	SB-720	SB-720	SB-720	SB-721
SAMPLE ID	G-SB-718-4	G-SB-719-3	G-SB-719-4	G-SB-720-3	G-SB-720-4	G-SB-720-5	G-SB-720-6	G-SB-720-7	G-SB-721-3
SAMPLE DATE	20090922	20090922	20090922	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	3	4	5	6	7	3
BOTTOM DEPTH	4	3	4	3	4	5	6	7	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	2381	177	10	2.3 U	2.6	4.9
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	2381	177	9.3	2.3 U	0.45	4.0
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1000	80	7 J	1.3 U	2 J	3.5 J
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1600	120	6.9 J	2.3 U	2.4 U	2.6 J
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	2100	160	11	1.7 U	2.5 J	7 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	2 U	2 U	15 U	3.4 U	1.6 U	1.7 U	1.8 U	1.7 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-718	SB-719	SB-719	SB-720	SB-720	SB-720	SB-720	SB-720	SB-721
SAMPLE ID	G-SB-718-4	G-SB-719-3	G-SB-719-4	G-SB-720-3	G-SB-720-4	G-SB-720-5	G-SB-720-6	G-SB-720-7	G-SB-721-3
SAMPLE DATE	20090922	20090922	20090922	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	3	4	5	6	7	3
BOTTOM DEPTH	4	3	4	3	4	5	6	7	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1.1 U	1 U	1100	82	5.9 J	1.5 U	1.8 J	7.7 J
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.5 U	350	25	1.7 U	1.8 U	1.9 U	1.8 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.8 U	1.7 U	1200	84	5.8 J	0.46 U	0.46 U	3.2 J
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	7350	551	36.6	0 U	6.3	24
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-718	SB-719	SB-719	SB-720	SB-720	SB-720	SB-720	SB-720	SB-721
SAMPLE ID	G-SB-718-4	G-SB-719-3	G-SB-719-4	G-SB-720-3	G-SB-720-4	G-SB-720-5	G-SB-720-6	G-SB-720-7	G-SB-721-3
SAMPLE DATE	20090922	20090922	20090922	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	3	4	5	6	7	3
BOTTOM DEPTH	4	3	4	3	4	5	6	7	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-721	SB-721	SB-721	SB-721	SB-722	SB-722	SB-723	SB-723	SB-723
SAMPLE ID	G-SB-721-4	G-SB-721-5	G-SB-721-6	G-SB-721-7	G-SB-722-3	G-SB-722-4	G-SB-723-3	G-SB-723-3-AVG	G-SB-723-3-D
SAMPLE DATE	20091008	20091008	20091008	20091008	20090923	20090923	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	3	4	3	3	3
BOTTOM DEPTH	4	5	6	7	3	4	3	3	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-721	SB-721	SB-721	SB-721	SB-722	SB-722	SB-723	SB-723	SB-723
SAMPLE ID	G-SB-721-4	G-SB-721-5	G-SB-721-6	G-SB-721-7	G-SB-722-3	G-SB-722-4	G-SB-723-3	G-SB-723-3-AVG	G-SB-723-3-D
SAMPLE DATE	20091008	20091008	20091008	20091008	20090923	20090923	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	3	4	3	3	3
BOTTOM DEPTH	4	5	6	7	3	4	3	3	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	637	2.2 U	2.2 U	2.3 U	8.2	142	1.6 U	1.7	2.6
BAP EQUIVALENT-POS	637	2.2 U	2.2 U	2.3 U	6.7	142	1.6 U	0.94	0.94
BENZO(A)ANTHRACENE	360	1.3 U	1.2 U	1.3 U	28	99	1.2 U	1.15 U	1.1 U
BENZO(A)PYRENE	410	2.2 U	2.2 U	2.3 U	1.4 U	110	1.6 U	1.55 U	1.5 U
BENZO(B)FLUORANTHENE	640	1.6 U	1.6 U	1.7 U	39	140	1.5 U	5.075	9.4
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	6.3 U	1.7 U	1.6 U	1.7 U	1.9 U	60	2.1 U	2.05 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-721	SB-721	SB-721	SB-721	SB-722	SB-722	SB-723	SB-723	SB-723
SAMPLE ID	G-SB-721-4	G-SB-721-5	G-SB-721-6	G-SB-721-7	G-SB-722-3	G-SB-722-4	G-SB-723-3	G-SB-723-3-AVG	G-SB-723-3-D
SAMPLE DATE	20091008	20091008	20091008	20091008	20090923	20090923	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	3	4	3	3	3
BOTTOM DEPTH	4	5	6	7	3	4	3	3	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	400	1.4 U	1.4 U	1.4 U	28	91	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	95	1.7 U	1.7 U	1.8 U	1.4 U	1.5 U	1.6 U	1.55 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	320	0.44 U	0.43 U	0.45 U	1.7 U	70	1.8 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	2225	0 U	0 U	0 U	95	570	0 U	4.7	9.4
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-721	SB-721	SB-721	SB-721	SB-722	SB-722	SB-723	SB-723	SB-723
SAMPLE ID	G-SB-721-4	G-SB-721-5	G-SB-721-6	G-SB-721-7	G-SB-722-3	G-SB-722-4	G-SB-723-3	G-SB-723-3-AVG	G-SB-723-3-D
SAMPLE DATE	20091008	20091008	20091008	20091008	20090923	20090923	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	3	4	3	3	3
BOTTOM DEPTH	4	5	6	7	3	4	3	3	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	1200	1090	980
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-723	SB-724	SB-724	SB-724	SB-724	SB-725	SB-725	SB-726	SB-726
SAMPLE ID	G-SB-723-4	G-SB-724-3	G-SB-724-4	G-SB-724-6	G-SB-724-7	G-SB-725-3	G-SB-725-4	G-SB-726-10	G-SB-726-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	6	7	3	4	10	3
BOTTOM DEPTH	4	3	4	6	7	3	4	10	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-723	SB-724	SB-724	SB-724	SB-724	SB-725	SB-725	SB-726	SB-726
SAMPLE ID	G-SB-723-4	G-SB-724-3	G-SB-724-4	G-SB-724-6	G-SB-724-7	G-SB-725-3	G-SB-725-4	G-SB-726-10	G-SB-726-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	6	7	3	4	10	3
BOTTOM DEPTH	4	3	4	6	7	3	4	10	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	3125	844	46	1.6 U	1.5 U	1.5 U	2.2 U	4263
BAP EQUIVALENT-POS	1.6 U	3125	844	46	1.6 U	1.5 U	1.5 U	2.2 U	4263
BENZO(A)ANTHRACENE	1.2 U	2100	570	32	1.1 U	1.1 U	1.1 U	1.3 U	2700
BENZO(A)PYRENE	1.6 U	2100	570	35	1.6 U	1.5 U	1.5 U	2.2 U	2800
BENZO(B)FLUORANTHENE	1.5 U	2500	660	48	1.4 U	1.4 U	1.4 U	1.6 U	4300
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	1300	320	19	2 U	1.9 U	2 U	1.6 U	60 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-723	SB-724	SB-724	SB-724	SB-724	SB-725	SB-725	SB-726	SB-726
SAMPLE ID	G-SB-723-4	G-SB-724-3	G-SB-724-4	G-SB-724-6	G-SB-724-7	G-SB-725-3	G-SB-725-4	G-SB-726-10	G-SB-726-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	6	7	3	4	10	3
BOTTOM DEPTH	4	3	4	6	7	3	4	10	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1800	590	39	1.1 U	1 U	1.1 U	1.4 U	2700
DIBENZO(A,H)ANTHRACENE	1.6 U	420	110	1.5 U	1.6 U	1.5 U	1.5 U	1.7 U	550
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1300	370	24	1.8 U	1.7 U	1.8 U	0.43 U	2100
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	11520	3190	197	0 U	0 U	0 U	0 U	15150
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-723	SB-724	SB-724	SB-724	SB-724	SB-725	SB-725	SB-726	SB-726
SAMPLE ID	G-SB-723-4	G-SB-724-3	G-SB-724-4	G-SB-724-6	G-SB-724-7	G-SB-725-3	G-SB-725-4	G-SB-726-10	G-SB-726-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	6	7	3	4	10	3
BOTTOM DEPTH	4	3	4	6	7	3	4	10	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	550	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726	SB-727	SB-727	SB-727
SAMPLE ID	G-SB-726-4	G-SB-726-5	G-SB-726-6	G-SB-726-7	G-SB-726-8	G-SB-726-9	G-SB-727-3	G-SB-727-4	G-SB-727-5
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	4	5
BOTTOM DEPTH	4	5	6	7	8	9	3	4	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726	SB-727	SB-727	SB-727
SAMPLE ID	G-SB-726-4	G-SB-726-5	G-SB-726-6	G-SB-726-7	G-SB-726-8	G-SB-726-9	G-SB-727-3	G-SB-727-4	G-SB-727-5
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	4	5
BOTTOM DEPTH	4	5	6	7	8	9	3	4	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1041	2.4	2.2 U	2.4 U	2.2 U	4.6	578	29	1.6 U
BAP EQUIVALENT-POS	1041	0.30	2.2 U	2.4 U	2.2 U	3.7	578	28	1.6 U
BENZO(A)ANTHRACENE	650	1.4 J	1.2 U	1.4 U	1.3 U	2.7 J	360	18	1.1 U
BENZO(A)PYRENE	700	2.3 U	2.2 U	2.4 U	2.2 U	2.7 J	400	22	1.6 U
BENZO(B)FLUORANTHENE	1000	1.6 U	1.6 U	1.8 U	1.6 U	4.4 J	450	28	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	15 U	1.7 U	1.6 U	1.8 U	1.6 U	1.7 U	230	9	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726	SB-727	SB-727	SB-727
SAMPLE ID	G-SB-726-4	G-SB-726-5	G-SB-726-6	G-SB-726-7	G-SB-726-8	G-SB-726-9	G-SB-727-3	G-SB-727-4	G-SB-727-5
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	4	5
BOTTOM DEPTH	4	5	6	7	8	9	3	4	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	700	1.4 J	1.4 U	1.5 U	1.4 U	2.8 J	400	23	1.1 U
DIBENZO(A,H)ANTHRACENE	120	1.8 U	1.7 U	1.9 U	1.7 U	1.8 U	73	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	550	1.6 J	0.43 U	0.48 U	0.43 U	2.4 J	210	17	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	3720	4.4	0 U	0 U	0 U	15	2123	117	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726	SB-727	SB-727	SB-727
SAMPLE ID	G-SB-726-4	G-SB-726-5	G-SB-726-6	G-SB-726-7	G-SB-726-8	G-SB-726-9	G-SB-727-3	G-SB-727-4	G-SB-727-5
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	4	5
BOTTOM DEPTH	4	5	6	7	8	9	3	4	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-727	SB-727	SB-728	SB-728	SB-728	SB-728	SB-728	SB-729	SB-729
SAMPLE ID	G-SB-727-6	G-SB-727-7	G-SB-728-3	G-SB-728-4	G-SB-728-5	G-SB-728-6	G-SB-728-7	G-SB-729-3	G-SB-729-4
SAMPLE DATE	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	3	4	5	6	7	3	4
BOTTOM DEPTH	6	7	3	4	5	6	7	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-727	SB-727	SB-728	SB-728	SB-728	SB-728	SB-728	SB-729	SB-729
SAMPLE ID	G-SB-727-6	G-SB-727-7	G-SB-728-3	G-SB-728-4	G-SB-728-5	G-SB-728-6	G-SB-728-7	G-SB-729-3	G-SB-729-4
SAMPLE DATE	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	3	4	5	6	7	3	4
BOTTOM DEPTH	6	7	3	4	5	6	7	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.5 U	1.5 U	NA	NA	NA	963	60
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.5 U	1.5 U	NA	NA	NA	963	59
BENZO(A)ANTHRACENE	1.2 U	1.1 U	1.1 U	1.1 U	NA	NA	NA	670	28
BENZO(A)PYRENE	1.6 U	1.6 U	1.5 U	1.5 U	NA	NA	NA	650	46
BENZO(B)FLUORANTHENE	1.5 U	1.4 U	1.4 U	1.4 U	NA	NA	NA	850	65
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2 U	2 U	2 U	NA	NA	NA	370	20
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-727	SB-727	SB-728	SB-728	SB-728	SB-728	SB-728	SB-729	SB-729
SAMPLE ID	G-SB-727-6	G-SB-727-7	G-SB-728-3	G-SB-728-4	G-SB-728-5	G-SB-728-6	G-SB-728-7	G-SB-729-3	G-SB-729-4
SAMPLE DATE	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	3	4	5	6	7	3	4
BOTTOM DEPTH	6	7	3	4	5	6	7	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1.1 U	NA	NA	NA	690	45
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.5 U	1.5 U	NA	NA	NA	120	1.4 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.8 U	1.8 U	NA	NA	NA	370	37
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	NA	NA	NA	3720	241
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-727	SB-727	SB-728	SB-728	SB-728	SB-728	SB-728	SB-729	SB-729
SAMPLE ID	G-SB-727-6	G-SB-727-7	G-SB-728-3	G-SB-728-4	G-SB-728-5	G-SB-728-6	G-SB-728-7	G-SB-729-3	G-SB-729-4
SAMPLE DATE	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	3	4	5	6	7	3	4
BOTTOM DEPTH	6	7	3	4	5	6	7	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	180000	980000	780000	440000	82000	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-729	SB-729	SB-729	SB-730	SB-730	SB-731	SB-731	SB-732	SB-732
SAMPLE ID	G-SB-729-5	G-SB-729-6	G-SB-729-7	G-SB-730-4	G-SB-730-5	G-SB-731-3	G-SB-731-4	G-SB-732-3	G-SB-732-4
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	4	5	3	4	3	4
BOTTOM DEPTH	5	6	7	4	5	3	4	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-729	SB-729	SB-729	SB-730	SB-730	SB-731	SB-731	SB-732	SB-732
SAMPLE ID	G-SB-729-5	G-SB-729-6	G-SB-729-7	G-SB-730-4	G-SB-730-5	G-SB-731-3	G-SB-731-4	G-SB-732-3	G-SB-732-4
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	4	5	3	4	3	4
BOTTOM DEPTH	5	6	7	4	5	3	4	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	3.4	1.6 U	1.6 U	1.6 U	1.5 U	1.4 U	1.6 U	761	66
BAP EQUIVALENT-POS	1.7	1.6 U	1.6 U	1.6 U	1.5 U	1.4 U	1.6 U	761	66
BENZO(A)ANTHRACENE	8.5	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	400	22
BENZO(A)PYRENE	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.4 U	1.6 U	490	43
BENZO(B)FLUORANTHENE	8.9	1.4 U	1.4 U	1.5 U	1.4 U	1.3 U	1.5 U	680	57
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2 U	2 U	2.1 U	1.9 U	1.9 U	2.1 U	30 U	1.4 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-729	SB-729	SB-729	SB-730	SB-730	SB-731	SB-731	SB-732	SB-732
SAMPLE ID	G-SB-729-5	G-SB-729-6	G-SB-729-7	G-SB-730-4	G-SB-730-5	G-SB-731-3	G-SB-731-4	G-SB-732-3	G-SB-732-4
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	4	5	3	4	3	4
BOTTOM DEPTH	5	6	7	4	5	3	4	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	500	25
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.4 U	1.6 U	120 J	10
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	1.8 U	1.8 U	1.8 U	1.7 U	1.7 U	1.9 U	420	49
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	17.4	0 U	0 U	0 U	0 U	0 U	0 U	2610	206
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-729	SB-729	SB-729	SB-730	SB-730	SB-731	SB-731	SB-732	SB-732
SAMPLE ID	G-SB-729-5	G-SB-729-6	G-SB-729-7	G-SB-730-4	G-SB-730-5	G-SB-731-3	G-SB-731-4	G-SB-732-3	G-SB-732-4
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	4	5	3	4	3	4
BOTTOM DEPTH	5	6	7	4	5	3	4	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	110000	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-732	SB-732	SB-732	SB-733	SB-733	SB-734	SB-734	SB-735	SB-735
SAMPLE ID	G-SB-732-5	G-SB-732-6	G-SB-732-7	G-SB-733-3	G-SB-733-4	G-SB-734-6	G-SB-734-7	G-SB-735-3	G-SB-735-5
SAMPLE DATE	20091008	20091008	20091008	20090924	20090924	20090923	20090923	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	3	4	6	7	3	5
BOTTOM DEPTH	5	6	7	3	4	6	7	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-732	SB-732	SB-732	SB-733	SB-733	SB-734	SB-734	SB-735	SB-735
SAMPLE ID	G-SB-732-5	G-SB-732-6	G-SB-732-7	G-SB-733-3	G-SB-733-4	G-SB-734-6	G-SB-734-7	G-SB-735-3	G-SB-735-5
SAMPLE DATE	20091008	20091008	20091008	20090924	20090924	20090923	20090923	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	3	4	6	7	3	5
BOTTOM DEPTH	5	6	7	3	4	6	7	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.2 U	5.0	2.2 U	1.6 U	1.6 U	1.5 U	1.6 U	211	3808
BAP EQUIVALENT-POS	2.2 U	4.1	2.2 U	1.6 U	1.6 U	1.5 U	1.6 U	211	3808
BENZO(A)ANTHRACENE	1.3 U	3.8 J	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U	170	3000 J
BENZO(A)PYRENE	2.2 U	3.2 J	2.2 U	1.6 U	1.6 U	1.5 U	1.6 U	140	2600 J
BENZO(B)FLUORANTHENE	1.6 U	3.5 J	1.6 U	1.5 U	1.5 U	1.4 U	1.5 U	170	3400 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.6 U	1.6 U	1.6 U	2.1 U	2.1 U	2 U	2.1 U	99	1500 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-732	SB-732	SB-732	SB-733	SB-733	SB-734	SB-734	SB-735	SB-735
SAMPLE ID	G-SB-732-5	G-SB-732-6	G-SB-732-7	G-SB-733-3	G-SB-733-4	G-SB-734-6	G-SB-734-7	G-SB-735-3	G-SB-735-5
SAMPLE DATE	20091008	20091008	20091008	20090924	20090924	20090923	20090923	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	3	4	6	7	3	5
BOTTOM DEPTH	5	6	7	3	4	6	7	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	2.9 J	1.4 U	1.1 U	1.1 U	1.1 U	1.1 U	150	2800 J
DIBENZO(A,H)ANTHRACENE	1.7 U	1.7 U	1.7 U	1.6 U	1.6 U	1.5 U	1.6 U	28	410 J
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0.43 U	1.9 J	0.43 U	1.8 U	1.8 U	1.8 U	1.8 U	82	1400 J
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	15.3	0 U	0 U	0 U	0 U	0 U	839	15110
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-732	SB-732	SB-732	SB-733	SB-733	SB-734	SB-734	SB-735	SB-735
SAMPLE ID	G-SB-732-5	G-SB-732-6	G-SB-732-7	G-SB-733-3	G-SB-733-4	G-SB-734-6	G-SB-734-7	G-SB-735-3	G-SB-735-5
SAMPLE DATE	20091008	20091008	20091008	20090924	20090924	20090923	20090923	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	3	4	6	7	3	5
BOTTOM DEPTH	5	6	7	3	4	6	7	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	150000	920	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-735	SB-735	SB-735	SB-735	SB-735A	SB-735A	SB-735A	SB-735B	SB-735B
SAMPLE ID	G-SB-735-5-AVG	G-SB-735-5-D	G-SB-735-7	G-SB-735-9	G-SB-735A-3	G-SB-735A-5	G-SB-735A-9	G-SB-735B-3	G-SB-735B-5
SAMPLE DATE	20091021	20091021	20091021	20091103	20091112	20091112	20091112	20091112	20091112
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	7	9	3	5	9	3	5
BOTTOM DEPTH	5	5	7	9	3	5	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-735	SB-735	SB-735	SB-735	SB-735A	SB-735A	SB-735A	SB-735B	SB-735B
SAMPLE ID	G-SB-735-5-AVG	G-SB-735-5-D	G-SB-735-7	G-SB-735-9	G-SB-735A-3	G-SB-735A-5	G-SB-735A-9	G-SB-735B-3	G-SB-735B-5
SAMPLE DATE	20091021	20091021	20091021	20091103	20091112	20091112	20091112	20091112	20091112
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	7	9	3	5	9	3	5
BOTTOM DEPTH	5	5	7	9	3	5	9	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	8463	13119	3534	265	2795	57089	131	30	19
BAP EQUIVALENT-POS	8463	13119	3534	265	2792	57089	130	29	18
BENZO(A)ANTHRACENE	7000	11000 J	2700	200	3000	44000	110	26	1.1 U
BENZO(A)PYRENE	5850	9100 J	2400	180	2100	37000	99	22	15
BENZO(B)FLUORANTHENE	6700	10000 J	3500	240	2800	55000	140	28	20
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2750	4000 J	1100	100	1300	25000	49	12	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-735	SB-735	SB-735	SB-735	SB-735A	SB-735A	SB-735A	SB-735B	SB-735B
SAMPLE ID	G-SB-735-5-AVG	G-SB-735-5-D	G-SB-735-7	G-SB-735-9	G-SB-735A-3	G-SB-735A-5	G-SB-735A-9	G-SB-735B-3	G-SB-735B-5
SAMPLE DATE	20091021	20091021	20091021	20091103	20091112	20091112	20091112	20091112	20091112
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	7	9	3	5	9	3	5
BOTTOM DEPTH	5	5	7	9	3	5	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	5800	8800 J	2600	200	2600	39000	130	24	13
DIBENZO(A,H)ANTHRACENE	905	1400 J	370	30	7.7 U	7800	1.5 U	1.4 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	3050	4700 J	1300	100	960	21000	54	14	9.8
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	32055	49000	13970	1050	12760	228800	582	126	57.8
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-735	SB-735	SB-735	SB-735	SB-735A	SB-735A	SB-735A	SB-735B	SB-735B
SAMPLE ID	G-SB-735-5-AVG	G-SB-735-5-D	G-SB-735-7	G-SB-735-9	G-SB-735A-3	G-SB-735A-5	G-SB-735A-9	G-SB-735B-3	G-SB-735B-5
SAMPLE DATE	20091021	20091021	20091021	20091103	20091112	20091112	20091112	20091112	20091112
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	7	9	3	5	9	3	5
BOTTOM DEPTH	5	5	7	9	3	5	9	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-735B	SB-735B	SB-735B	SB-735B	SB-735C	SB-735C	SB-735C	SB-736	SB-736B
SAMPLE ID	G-SB-735B-7	G-SB-735B-7-AVG	G-SB-735B-7-D	G-SB-735B-9	G-SB-735C-3	G-SB-735C-5	G-SB-735C-7	G-SB-736-3	G-SB-736B-3
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091112
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	3	3
BOTTOM DEPTH	7	7	7	9	3	5	7	3	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-735B	SB-735B	SB-735B	SB-735B	SB-735C	SB-735C	SB-735C	SB-736	SB-736B
SAMPLE ID	G-SB-735B-7	G-SB-735B-7-AVG	G-SB-735B-7-D	G-SB-735B-9	G-SB-735C-3	G-SB-735C-5	G-SB-735C-7	G-SB-736-3	G-SB-736B-3
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091112
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	3	3
BOTTOM DEPTH	7	7	7	9	3	5	7	3	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	9.4	12	15	16	19	74	71	8497	1319
BAP EQUIVALENT-POS	8.4	11	14	15	18	67	70	8497	1319
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1.2 U	13	17	8 U	45	10000	1100
BENZO(A)PYRENE	8.4	10.2	12	12	14	58	54	5600	910
BENZO(B)FLUORANTHENE	1.5 UJ	9.875	19 J	15	19	90	67	8800	1200
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	14 U	32	2900	480
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-735B	SB-735B	SB-735B	SB-735B	SB-735C	SB-735C	SB-735C	SB-736	SB-736B
SAMPLE ID	G-SB-735B-7	G-SB-735B-7-AVG	G-SB-735B-7-D	G-SB-735B-9	G-SB-735C-3	G-SB-735C-5	G-SB-735C-7	G-SB-736-3	G-SB-736B-3
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091112
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	3	3
BOTTOM DEPTH	7	7	7	9	3	5	7	3	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	9.1	4.825	1.1 U	16	19	71	49	7800	1000
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	11 U	1.6 U	730	130
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	1.85 U	1.8 U	1.8 U	1.8 U	13 U	42	2500	430
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	17.5	24.25	31	56	69	219	289	38330	5250
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-735B	SB-735B	SB-735B	SB-735B	SB-735C	SB-735C	SB-735C	SB-736	SB-736B
SAMPLE ID	G-SB-735B-7	G-SB-735B-7-AVG	G-SB-735B-7-D	G-SB-735B-9	G-SB-735C-3	G-SB-735C-5	G-SB-735C-7	G-SB-736-3	G-SB-736B-3
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091112
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	3	3
BOTTOM DEPTH	7	7	7	9	3	5	7	3	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-736B	SB-736B	SB-736B	SB-736C	SB-736C	SB-736C	SB-736C	SB-737	SB-737
SAMPLE ID	G-SB-736B-5	G-SB-736B-7	G-SB-736B-9	G-SB-736C-3	G-SB-736C-5	G-SB-736C-7	G-SB-736C-9	G-SB-737-3	G-SB-737-5
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-736B	SB-736B	SB-736B	SB-736C	SB-736C	SB-736C	SB-736C	SB-737	SB-737
SAMPLE ID	G-SB-736B-5	G-SB-736B-7	G-SB-736B-9	G-SB-736C-3	G-SB-736C-5	G-SB-736C-7	G-SB-736C-9	G-SB-737-3	G-SB-737-5
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	319	9.4	1.6 U	68	192	1.5 U	27	1.6 U	1.5 U
BAP EQUIVALENT-POS	318	8.4	1.6 U	68	191	1.5 U	27	1.6 U	1.5 U
BENZO(A)ANTHRACENE	310	1.1 U	1.2 U	44	140	1.1 U	20	1.1 U	1.1 U
BENZO(A)PYRENE	240	8.4	1.6 U	53	150	1.5 U	21	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	340	1.4 U	1.5 U	65	180	1.4 U	21	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	150	2 U	2.1 U	27	81	2 U	2 U	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-736B	SB-736B	SB-736B	SB-736C	SB-736C	SB-736C	SB-736C	SB-737	SB-737
SAMPLE ID	G-SB-736B-5	G-SB-736B-7	G-SB-736B-9	G-SB-736C-3	G-SB-736C-5	G-SB-736C-7	G-SB-736C-9	G-SB-737-3	G-SB-737-5
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	300	1.1 U	1.1 U	60	170	1.1 U	19	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	110	1.8 U	1.9 U	34	82	1.8 U	15	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1450	8.4	0 U	283	803	0 U	96	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-736B	SB-736B	SB-736B	SB-736C	SB-736C	SB-736C	SB-736C	SB-737	SB-737
SAMPLE ID	G-SB-736B-5	G-SB-736B-7	G-SB-736B-9	G-SB-736C-3	G-SB-736C-5	G-SB-736C-7	G-SB-736C-9	G-SB-737-3	G-SB-737-5
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-737	SB-738	SB-738	SB-738	SB-739	SB-739	SB-739
SAMPLE ID	G-SB-737-7	G-SB-738-4	G-SB-738-6	G-SB-738-8	G-SB-739-4	G-SB-739-6	G-SB-739-8
SAMPLE DATE	20091021	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	4	6	8	4	6	8
BOTTOM DEPTH	7	4	6	8	4	6	8
VOLATILES (UG/KG)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-737	SB-738	SB-738	SB-738	SB-739	SB-739	SB-739
SAMPLE ID	G-SB-737-7	G-SB-738-4	G-SB-738-6	G-SB-738-8	G-SB-739-4	G-SB-739-6	G-SB-739-8
SAMPLE DATE	20091021	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	4	6	8	4	6	8
BOTTOM DEPTH	7	4	6	8	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	2.1 U	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U
BAP EQUIVALENT-POS	1.5 U	2.1 U	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U
BENZO(A)ANTHRACENE	1.1 U	1.2 U	1.3 U	1.3 U	1.2 U	1.3 U	1.3 U
BENZO(A)PYRENE	1.5 U	2.1 U	2.3 U	2.2 U	2.2 U	2.2 U	2.3 U
BENZO(B)FLUORANTHENE	1.4 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	1.6 U	1.7 U	1.7 U	1.6 U	1.6 U	1.7 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-737	SB-738	SB-738	SB-738	SB-739	SB-739	SB-739
SAMPLE ID	G-SB-737-7	G-SB-738-4	G-SB-738-6	G-SB-738-8	G-SB-739-4	G-SB-739-6	G-SB-739-8
SAMPLE DATE	20091021	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	4	6	8	4	6	8
BOTTOM DEPTH	7	4	6	8	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.3 U	1.4 U	1.4 U	1.3 U	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.8 U	1.7 U	1.7 U	1.7 U	1.8 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	0.41 U	0.45 U	0.44 U	0.42 U	0.44 U	0.44 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)							
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-737	SB-738	SB-738	SB-738	SB-739	SB-739	SB-739
SAMPLE ID	G-SB-737-7	G-SB-738-4	G-SB-738-6	G-SB-738-8	G-SB-739-4	G-SB-739-6	G-SB-739-8
SAMPLE DATE	20091021	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	4	6	8	4	6	8
BOTTOM DEPTH	7	4	6	8	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)							
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)							
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-740	SB-740	SB-740	SB-741	SB-741	SB-741	SB-742	SB-742	SB-742
SAMPLE ID	G-SB-740-4	G-SB-740-6	G-SB-740-8	G-SB-741-4	G-SB-741-6	G-SB-741-8	G-SB-742-4	G-SB-742-6	G-SB-742-8
SAMPLE DATE	20091008	20091008	20091008	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-740	SB-740	SB-740	SB-741	SB-741	SB-741	SB-742	SB-742	SB-742
SAMPLE ID	G-SB-740-4	G-SB-740-6	G-SB-740-8	G-SB-741-4	G-SB-741-6	G-SB-741-8	G-SB-742-4	G-SB-742-6	G-SB-742-8
SAMPLE DATE	20091008	20091008	20091008	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.2 U	2.2 U	2.1 U	2.2 U	2.9	2.2 U	11	4.4	2.2 U
BAP EQUIVALENT-POS	2.2 U	2.2 U	2.1 U	2.2 U	0.87	2.2 U	11	3.5	2.2 U
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1.2 U	1.2 U	2.2 J	1.3 U	6.3 J	2.5 J	1.3 U
BENZO(A)PYRENE	2.2 U	2.2 U	2.1 U	2.2 U	2.3 U	2.2 U	8.5	2.8 J	2.2 U
BENZO(B)FLUORANTHENE	1.6 U	1.6 U	1.5 U	1.6 U	5 J	1.6 U	6.9 J	4.4 J	1.6 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	6 J	1.6 U	1.6 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-740	SB-740	SB-740	SB-741	SB-741	SB-741	SB-742	SB-742	SB-742
SAMPLE ID	G-SB-740-4	G-SB-740-6	G-SB-740-8	G-SB-741-4	G-SB-741-6	G-SB-741-8	G-SB-742-4	G-SB-742-6	G-SB-742-8
SAMPLE DATE	20091008	20091008	20091008	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	1.3 U	1.3 U	1.3 U	3.1 J	1.4 U	7.8 J	2.8 J	1.4 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0.43 U	0.42 U	0.42 U	0.42 U	1.5 J	0.44 U	6.7 J	0.43 U	0.44 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	11.8	0 U	42.2	12.5	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-740	SB-740	SB-740	SB-741	SB-741	SB-741	SB-742	SB-742	SB-742
SAMPLE ID	G-SB-740-4	G-SB-740-6	G-SB-740-8	G-SB-741-4	G-SB-741-6	G-SB-741-8	G-SB-742-4	G-SB-742-6	G-SB-742-8
SAMPLE DATE	20091008	20091008	20091008	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	6	8	4	6	8	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-743	SB-743	SB-743	SB-744	SB-744	SB-744	SB-745	SB-745	SB-745
SAMPLE ID	G-SB-743-4	G-SB-743-6	G-SB-743-8	G-SB-744-4	G-SB-744-6	G-SB-744-8	G-SB-745-4	G-SB-745-4-AVG	G-SB-745-4-D
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	4	4
BOTTOM DEPTH	4	6	8	4	6	8	4	4	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-743	SB-743	SB-743	SB-744	SB-744	SB-744	SB-745	SB-745	SB-745
SAMPLE ID	G-SB-743-4	G-SB-743-6	G-SB-743-8	G-SB-744-4	G-SB-744-6	G-SB-744-8	G-SB-745-4	G-SB-745-4-AVG	G-SB-745-4-D
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	4	4
BOTTOM DEPTH	4	6	8	4	6	8	4	4	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.2 U	2.2 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U
BAP EQUIVALENT-POS	2.2 U	2.2 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U
BENZO(A)ANTHRACENE	1.3 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.25 U	1.2 U
BENZO(A)PYRENE	2.2 U	2.2 U	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U
BENZO(B)FLUORANTHENE	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.7 U	1.7 U	1.65 U	1.6 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-743	SB-743	SB-743	SB-744	SB-744	SB-744	SB-745	SB-745	SB-745
SAMPLE ID	G-SB-743-4	G-SB-743-6	G-SB-743-8	G-SB-744-4	G-SB-744-6	G-SB-744-8	G-SB-745-4	G-SB-745-4-AVG	G-SB-745-4-D
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	4	4
BOTTOM DEPTH	4	6	8	4	6	8	4	4	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.7 U	1.8 U	1.75 U	1.7 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0.43 U	0.43 U	0.43 U	0.45 U	0.46 U	0.44 U	0.44 U	0.435 U	0.43 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-743	SB-743	SB-743	SB-744	SB-744	SB-744	SB-745	SB-745	SB-745
SAMPLE ID	G-SB-743-4	G-SB-743-6	G-SB-743-8	G-SB-744-4	G-SB-744-6	G-SB-744-8	G-SB-745-4	G-SB-745-4-AVG	G-SB-745-4-D
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	4	6	8	4	4	4
BOTTOM DEPTH	4	6	8	4	6	8	4	4	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-745	SB-745	SB-745A	SB-745B	SB-745C	SB-746	SB-746	SB-746	SB-747
SAMPLE ID	G-SB-745-6	G-SB-745-8	G-SB-745A-4	G-SB-745B-4	G-SB-745C-4	G-SB-746-4	G-SB-746-6	G-SB-746-8	G-SB-747-4
SAMPLE DATE	20091009	20091009	20091021	20091021	20091021	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	4	4	4	6	8	4
BOTTOM DEPTH	6	8	4	4	4	4	6	8	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-745	SB-745	SB-745A	SB-745B	SB-745C	SB-746	SB-746	SB-746	SB-747
SAMPLE ID	G-SB-745-6	G-SB-745-8	G-SB-745A-4	G-SB-745B-4	G-SB-745C-4	G-SB-746-4	G-SB-746-6	G-SB-746-8	G-SB-747-4
SAMPLE DATE	20091009	20091009	20091021	20091021	20091021	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	4	4	4	6	8	4
BOTTOM DEPTH	6	8	4	4	4	4	6	8	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	56	2.2 U	1.5 U	1.7 U	1.7 U	2.2 U	2.2 U	2.2 U	2.1 U
BAP EQUIVALENT-POS	56	2.2 U	1.5 U	1.7 U	1.7 U	2.2 U	2.2 U	2.2 U	2.1 U
BENZO(A)ANTHRACENE	38	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U
BENZO(A)PYRENE	37	2.2 U	1.5 U	1.7 U	1.7 U	2.2 U	2.2 U	2.2 U	2.1 U
BENZO(B)FLUORANTHENE	60	1.6 U	1.4 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.7 U	1.6 U	2 U	2.2 U	2.2 U	1.6 U	1.6 U	1.6 U	1.6 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-745	SB-745	SB-745A	SB-745B	SB-745C	SB-746	SB-746	SB-746	SB-747
SAMPLE ID	G-SB-745-6	G-SB-745-8	G-SB-745A-4	G-SB-745B-4	G-SB-745C-4	G-SB-746-4	G-SB-746-6	G-SB-746-8	G-SB-747-4
SAMPLE DATE	20091009	20091009	20091021	20091021	20091021	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	4	4	4	6	8	4
BOTTOM DEPTH	6	8	4	4	4	4	6	8	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	39	1.4 U	1.1 U	1.1 U	1.1 U	1.3 U	1.4 U	1.4 U	1.3 U
DIBENZO(A,H)ANTHRACENE	6.8 J	1.7 U	1.5 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	21	0.43 U	1.8 U	1.9 U	1.9 U	0.42 U	0.43 U	0.43 U	0.41 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	201.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-745	SB-745	SB-745A	SB-745B	SB-745C	SB-746	SB-746	SB-746	SB-747
SAMPLE ID	G-SB-745-6	G-SB-745-8	G-SB-745A-4	G-SB-745B-4	G-SB-745C-4	G-SB-746-4	G-SB-746-6	G-SB-746-8	G-SB-747-4
SAMPLE DATE	20091009	20091009	20091021	20091021	20091021	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	4	4	4	6	8	4
BOTTOM DEPTH	6	8	4	4	4	4	6	8	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-747	SB-747	SB-748	SB-748	SB-748	SB-749	SB-749	SB-750	SB-750
SAMPLE ID	G-SB-747-6	G-SB-747-8	G-SB-748-4	G-SB-748-6	G-SB-748-8	G-SB-749-4	G-SB-749-6	G-SB-750-4	G-SB-750-6
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	4	6	4	6
BOTTOM DEPTH	6	8	4	6	8	4	6	4	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-747	SB-747	SB-748	SB-748	SB-748	SB-749	SB-749	SB-750	SB-750
SAMPLE ID	G-SB-747-6	G-SB-747-8	G-SB-748-4	G-SB-748-6	G-SB-748-8	G-SB-749-4	G-SB-749-6	G-SB-750-4	G-SB-750-6
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	4	6	4	6
BOTTOM DEPTH	6	8	4	6	8	4	6	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.2 U	2.2 U	2.5	2.2 U	2.2 U	1.4 U	1.5 U	39	1.6 U
BAP EQUIVALENT-POS	2.2 U	2.2 U	0.48	2.2 U	2.2 U	1.4 U	1.5 U	38	1.6 U
BENZO(A)ANTHRACENE	1.3 U	1.3 U	3.1 J	1.3 U	1.3 U	1 U	1.1 U	34	1.1 U
BENZO(A)PYRENE	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.4 U	1.5 U	29	1.6 U
BENZO(B)FLUORANTHENE	1.6 U	1.6 U	1.6 J	1.6 U	1.6 U	1.3 U	1.4 U	38	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.6 U	1.7 U	1.6 U	1.7 U	1.7 U	1.9 U	2 U	16	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-747	SB-747	SB-748	SB-748	SB-748	SB-749	SB-749	SB-750	SB-750
SAMPLE ID	G-SB-747-6	G-SB-747-8	G-SB-748-4	G-SB-748-6	G-SB-748-8	G-SB-749-4	G-SB-749-6	G-SB-750-4	G-SB-750-6
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	4	6	4	6
BOTTOM DEPTH	6	8	4	6	8	4	6	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.4 U	1.4 U	8.5	1.4 U	1.4 U	0.99 U	1.1 U	34	1.1 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.4 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0.43 U	0.44 U	0.43 U	0.44 U	0.44 U	1.7 U	1.8 U	17	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	13.2	0 U	0 U	0 U	0 U	168	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-747	SB-747	SB-748	SB-748	SB-748	SB-749	SB-749	SB-750	SB-750
SAMPLE ID	G-SB-747-6	G-SB-747-8	G-SB-748-4	G-SB-748-6	G-SB-748-8	G-SB-749-4	G-SB-749-6	G-SB-750-4	G-SB-750-6
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	4	6	4	6
BOTTOM DEPTH	6	8	4	6	8	4	6	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-751	SB-751	SB-752	SB-752	SB-752	SB-752	SB-753	SB-753	SB-754
SAMPLE ID	G-SB-751-4	G-SB-751-6	G-SB-752-4	G-SB-752-6	G-SB-752-6-AVG	G-SB-752-6-D	G-SB-753-4	G-SB-753-6	G-SB-754-4
SAMPLE DATE	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	4	6	6	6	4	6	4
BOTTOM DEPTH	4	6	4	6	6	6	4	6	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-751	SB-751	SB-752	SB-752	SB-752	SB-752	SB-753	SB-753	SB-754
SAMPLE ID	G-SB-751-4	G-SB-751-6	G-SB-752-4	G-SB-752-6	G-SB-752-6-AVG	G-SB-752-6-D	G-SB-753-4	G-SB-753-6	G-SB-754-4
SAMPLE DATE	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	4	6	6	6	4	6	4
BOTTOM DEPTH	4	6	4	6	6	6	4	6	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U
BENZO(A)PYRENE	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-751	SB-751	SB-752	SB-752	SB-752	SB-752	SB-753	SB-753	SB-754
SAMPLE ID	G-SB-751-4	G-SB-751-6	G-SB-752-4	G-SB-752-6	G-SB-752-6-AVG	G-SB-752-6-D	G-SB-753-4	G-SB-753-6	G-SB-754-4
SAMPLE DATE	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	4	6	6	6	4	6	4
BOTTOM DEPTH	4	6	4	6	6	6	4	6	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-751	SB-751	SB-752	SB-752	SB-752	SB-752	SB-753	SB-753	SB-754
SAMPLE ID	G-SB-751-4	G-SB-751-6	G-SB-752-4	G-SB-752-6	G-SB-752-6-AVG	G-SB-752-6-D	G-SB-753-4	G-SB-753-6	G-SB-754-4
SAMPLE DATE	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	4	6	6	6	4	6	4
BOTTOM DEPTH	4	6	4	6	6	6	4	6	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	36 J	39 J	41 J	41 J	42.5	44 J	46 J	34 J	5000
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-754	SB-755	SB-755	SB-755	SB-755	SB-756	SB-756	SB-757	SB-757
SAMPLE ID	G-SB-754-6	G-SB-755-4	G-SB-755-6	G-SB-755-6-AVG	G-SB-755-6-D	G-SB-756-4	G-SB-756-6	G-SB-757-4	G-SB-757-6
SAMPLE DATE	20091021	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	6	6	4	6	4	6
BOTTOM DEPTH	6	4	6	6	6	4	6	4	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-754	SB-755	SB-755	SB-755	SB-755	SB-756	SB-756	SB-757	SB-757
SAMPLE ID	G-SB-754-6	G-SB-755-4	G-SB-755-6	G-SB-755-6-AVG	G-SB-755-6-D	G-SB-756-4	G-SB-756-6	G-SB-757-4	G-SB-757-6
SAMPLE DATE	20091021	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	6	6	4	6	4	6
BOTTOM DEPTH	6	4	6	6	6	4	6	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	15	15	16 U	1.5 U	1.5 U	3674	1.6 U
BAP EQUIVALENT-POS	1.6 U	1.5 U	14	14	16 U	1.5 U	1.5 U	3674	1.6 U
BENZO(A)ANTHRACENE	1.2 U	1.1 U	1.2 U	6.1 U	11 U	1.1 U	1.1 U	2400	1.2 U
BENZO(A)PYRENE	1.6 U	1.5 U	11	11	16 U	1.5 U	1.5 U	2500	1.6 U
BENZO(B)FLUORANTHENE	1.5 U	1.4 U	21	14	14 U	1.4 U	1.4 U	3500	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2 U	8.7	8.7	20 U	2 U	1.9 U	1100	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-754	SB-755	SB-755	SB-755	SB-755	SB-756	SB-756	SB-757	SB-757
SAMPLE ID	G-SB-754-6	G-SB-755-4	G-SB-755-6	G-SB-755-6-AVG	G-SB-755-6-D	G-SB-756-4	G-SB-756-6	G-SB-757-4	G-SB-757-6
SAMPLE DATE	20091021	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	6	6	4	6	4	6
BOTTOM DEPTH	6	4	6	6	6	4	6	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	6.05 U	11 U	1 U	1 U	2500	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	1.7 U	8.85 U	16 U	1.5 U	1.5 U	430	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	9.4	9.4	18 U	1.7 U	1.7 U	1400	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	50.1	25.05	0 U	0 U	0 U	13830	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-754	SB-755	SB-755	SB-755	SB-755	SB-756	SB-756	SB-757	SB-757
SAMPLE ID	G-SB-754-6	G-SB-755-4	G-SB-755-6	G-SB-755-6-AVG	G-SB-755-6-D	G-SB-756-4	G-SB-756-6	G-SB-757-4	G-SB-757-6
SAMPLE DATE	20091021	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	6	6	4	6	4	6
BOTTOM DEPTH	6	4	6	6	6	4	6	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	62 J	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-758	SB-758	SB-759	SB-759	SB-759	SB-760	SB-760	SB-760	SB-761
SAMPLE ID	G-SB-758-4	G-SB-758-6	G-SB-759-3	G-SB-759-5	G-SB-759-7	G-SB-760-3	G-SB-760-5	G-SB-760-7	G-SB-761-3
SAMPLE DATE	20091103	20091103	20091113	20091113	20091113	20091113	20091113	20091113	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	3	5	7	3	5	7	3
BOTTOM DEPTH	4	6	3	5	7	3	5	7	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-758	SB-758	SB-759	SB-759	SB-759	SB-760	SB-760	SB-760	SB-761
SAMPLE ID	G-SB-758-4	G-SB-758-6	G-SB-759-3	G-SB-759-5	G-SB-759-7	G-SB-760-3	G-SB-760-5	G-SB-760-7	G-SB-761-3
SAMPLE DATE	20091103	20091103	20091113	20091113	20091113	20091113	20091113	20091113	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	3	5	7	3	5	7	3
BOTTOM DEPTH	4	6	3	5	7	3	5	7	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1915	1.7 U	13	1212	444	1.6 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.6 U	1915	1.7 U	12	1212	444	1.6 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1100	1.3 U	10	890	270	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	1.6 U	1100	1.7 U	11	790	300	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1500	1.6 U	1.5 U	910	410	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	510	2.2 U	2.1 U	300	110	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-758	SB-758	SB-759	SB-759	SB-759	SB-760	SB-760	SB-760	SB-761
SAMPLE ID	G-SB-758-4	G-SB-758-6	G-SB-759-3	G-SB-759-5	G-SB-759-7	G-SB-760-3	G-SB-760-5	G-SB-760-7	G-SB-761-3
SAMPLE DATE	20091103	20091103	20091113	20091113	20091113	20091113	20091113	20091113	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	3	5	7	3	5	7	3
BOTTOM DEPTH	4	6	3	5	7	3	5	7	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1000	1.2 U	9.5	920	300	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	460	1.7 U	1.6 U	190	59	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	890	2 U	1.8 U	480	160	1.8 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	6560	0 U	30.5	4480	1609	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-758	SB-758	SB-759	SB-759	SB-759	SB-760	SB-760	SB-760	SB-761
SAMPLE ID	G-SB-758-4	G-SB-758-6	G-SB-759-3	G-SB-759-5	G-SB-759-7	G-SB-760-3	G-SB-760-5	G-SB-760-7	G-SB-761-3
SAMPLE DATE	20091103	20091103	20091113	20091113	20091113	20091113	20091113	20091113	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	3	5	7	3	5	7	3
BOTTOM DEPTH	4	6	3	5	7	3	5	7	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B
SAMPLE ID	G-SB-761-5	G-SB-761-7	G-SB-761-9	G-SB-761A-3	G-SB-761A-5	G-SB-761A-7	G-SB-761A-9	G-SB-761B-3	G-SB-761B-3-AVG
SAMPLE DATE	20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	3
BOTTOM DEPTH	5	7	9	3	5	7	9	3	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B
SAMPLE ID	G-SB-761-5	G-SB-761-7	G-SB-761-9	G-SB-761A-3	G-SB-761A-5	G-SB-761A-7	G-SB-761A-9	G-SB-761B-3	G-SB-761B-3-AVG
SAMPLE DATE	20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	3
BOTTOM DEPTH	5	7	9	3	5	7	9	3	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	30	1.6 U	6993	23	3432	15	2640	78	102
BAP EQUIVALENT-POS	29	1.6 U	6993	22	3432	14	2640	78	102
BENZO(A)ANTHRACENE	31	1.1 U	5000	14	1800	9.9	1300	66 J	93
BENZO(A)PYRENE	21	1.6 U	4900	18	2500	12	1900	53 J	75.5
BENZO(B)FLUORANTHENE	26	1.4 U	6000	18	2000	12	1900	55 J	75
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	11	2 U	1700	7.9	1000	2.1 U	810	28 J	43
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B
SAMPLE ID	G-SB-761-5	G-SB-761-7	G-SB-761-9	G-SB-761A-3	G-SB-761A-5	G-SB-761A-7	G-SB-761A-9	G-SB-761B-3	G-SB-761B-3-AVG
SAMPLE DATE	20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	3
BOTTOM DEPTH	5	7	9	3	5	7	9	3	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	26	1.1 U	5700	18	2200	11	1700	73 J	101.5
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	700	1.5 U	420	1.6 U	290	9.7	5.225
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	26	1.8 U	2700	12	1200	1.8 U	1200	31 J	43.5
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	141	0 U	26700	87.9	11120	44.9	9100	315.7	436.35
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B
SAMPLE ID	G-SB-761-5	G-SB-761-7	G-SB-761-9	G-SB-761A-3	G-SB-761A-5	G-SB-761A-7	G-SB-761A-9	G-SB-761B-3	G-SB-761B-3-AVG
SAMPLE DATE	20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	3
BOTTOM DEPTH	5	7	9	3	5	7	9	3	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761B	SB-761B	SB-761B	SB-761B	SB-761C	SB-761C	SB-761C	SB-761C	SB-761D
SAMPLE ID	G-SB-761B-3-D	G-SB-761B-5	G-SB-761B-7	G-SB-761B-9	G-SB-761C-3	G-SB-761C-5	G-SB-761C-7	G-SB-761C-9	G-SB-761D-3
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761B	SB-761B	SB-761B	SB-761B	SB-761C	SB-761C	SB-761C	SB-761C	SB-761D
SAMPLE ID	G-SB-761B-3-D	G-SB-761B-5	G-SB-761B-7	G-SB-761B-9	G-SB-761C-3	G-SB-761C-5	G-SB-761C-7	G-SB-761C-9	G-SB-761D-3
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	127	59	27	1392	16	279	2.7	63	17
BAP EQUIVALENT-POS	126	59	26	1392	15	279	0.89	63	17
BENZO(A)ANTHRACENE	120 J	47	24	1200	16	240	8.8	55	14
BENZO(A)PYRENE	98 J	39	20	970	12	190	1.6 U	42	13
BENZO(B)FLUORANTHENE	95 J	37	22	1000	12	210	1.5 U	46	13
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	58 J	22	8.3	490	2 U	96	2.1 U	22	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761B	SB-761B	SB-761B	SB-761B	SB-761C	SB-761C	SB-761C	SB-761C	SB-761D
SAMPLE ID	G-SB-761B-3-D	G-SB-761B-5	G-SB-761B-7	G-SB-761B-9	G-SB-761C-3	G-SB-761C-5	G-SB-761C-7	G-SB-761C-9	G-SB-761D-3
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	130 J	55	27	1500	18	250	9.1	61	15
DIBENZO(A,H)ANTHRACENE	1.5 U	8.7	1.6 U	140	1.5 U	30	1.6 U	8.3	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	56 J	23	11	560	1.7 U	130	1.8 U	26	8.6
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	557	231.7	112.3	5860	58	1146	17.9	260.3	63.6
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-761B	SB-761B	SB-761B	SB-761B	SB-761C	SB-761C	SB-761C	SB-761C	SB-761D
SAMPLE ID	G-SB-761B-3-D	G-SB-761B-5	G-SB-761B-7	G-SB-761B-9	G-SB-761C-3	G-SB-761C-5	G-SB-761C-7	G-SB-761C-9	G-SB-761D-3
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761D	SB-761D	SB-761D	SB-761D	SB-761D	SB-762	SB-762	SB-762	SB-762
SAMPLE ID	G-SB-761D-5	G-SB-761D-7	G-SB-761D-7-AVG	G-SB-761D-7-D	G-SB-761D-9	G-SB-762-3	G-SB-762-5	G-SB-762-7	G-SB-762-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	5	7	9
BOTTOM DEPTH	5	7	7	7	9	3	5	7	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761D	SB-761D	SB-761D	SB-761D	SB-761D	SB-762	SB-762	SB-762	SB-762
SAMPLE ID	G-SB-761D-5	G-SB-761D-7	G-SB-761D-7-AVG	G-SB-761D-7-D	G-SB-761D-9	G-SB-762-3	G-SB-762-5	G-SB-762-7	G-SB-762-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	5	7	9
BOTTOM DEPTH	5	7	7	7	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	390	1.6 U	1.55 U	1.5 U	28127	1.5 U	355	19	364
BAP EQUIVALENT-POS	390	1.6 U	1.55 U	1.5 U	28127	1.5 U	355	18	364
BENZO(A)ANTHRACENE	320	1.1 U	1.1 U	1.1 U	23000	1.1 U	250	14	230
BENZO(A)PYRENE	260	1.6 U	1.55 U	1.5 U	20000	1.5 U	240	14	250
BENZO(B)FLUORANTHENE	270	1.4 U	1.4 U	1.4 U	19000	1.4 U	270	15	250
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	140	2 U	2 U	2 U	9800	2 U	110	2.1 U	120
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-761D	SB-761D	SB-761D	SB-761D	SB-761D	SB-762	SB-762	SB-762	SB-762
SAMPLE ID	G-SB-761D-5	G-SB-761D-7	G-SB-761D-7-AVG	G-SB-761D-7-D	G-SB-761D-9	G-SB-762-3	G-SB-762-5	G-SB-762-7	G-SB-762-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	5	7	9
BOTTOM DEPTH	5	7	7	7	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	370	1.1 U	1.1 U	1.1 U	29000	1 U	280	16	260
DIBENZO(A,H)ANTHRACENE	54	1.6 U	1.55 U	1.5 U	2800	1.5 U	47	1.6 U	49
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	150	1.8 U	1.8 U	1.8 U	10000	1.7 U	150	9.3	160
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1564	0 U	0 U	0 U	113600	0 U	1347	68.3	1319
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761D	SB-761D	SB-761D	SB-761D	SB-761D	SB-762	SB-762	SB-762	SB-762
SAMPLE ID	G-SB-761D-5	G-SB-761D-7	G-SB-761D-7-AVG	G-SB-761D-7-D	G-SB-761D-9	G-SB-762-3	G-SB-762-5	G-SB-762-7	G-SB-762-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	5	7	9
BOTTOM DEPTH	5	7	7	7	9	3	5	7	9
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-762A	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B	SB-762B	SB-762C
SAMPLE ID	G-SB-762A-3	G-SB-762A-5	G-SB-762A-7	G-SB-762A-9	G-SB-762B-3	G-SB-762B-5	G-SB-762B-7	G-SB-762B-9	G-SB-762C-3
SAMPLE DATE	20091022	20091022	20091022	20091022	20091023	20091023	20091023	20091023	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-762A	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B	SB-762B	SB-762C
SAMPLE ID	G-SB-762A-3	G-SB-762A-5	G-SB-762A-7	G-SB-762A-9	G-SB-762B-3	G-SB-762B-5	G-SB-762B-7	G-SB-762B-9	G-SB-762C-3
SAMPLE DATE	20091022	20091022	20091022	20091022	20091023	20091023	20091023	20091023	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.7	14	11	13512	1.5 U	1.6 U	1.6 U	129	1.5 U
BAP EQUIVALENT-POS	0.0085	13	10	13512	1.5 U	1.6 U	1.6 U	129	1.5 U
BENZO(A)ANTHRACENE	1.1 U	11	9.3	9900	1.1 U	1.2 U	1.2 U	78	1.1 U
BENZO(A)PYRENE	1.5 U	11	8.6	9100	1.5 U	1.6 U	1.6 U	91	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	10	8.3	9900	1.4 U	1.5 U	1.5 U	100	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	2.1 U	4200	2 U	2.1 U	2.1 U	47	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-762A	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B	SB-762B	SB-762C
SAMPLE ID	G-SB-762A-3	G-SB-762A-5	G-SB-762A-7	G-SB-762A-9	G-SB-762B-3	G-SB-762B-5	G-SB-762B-7	G-SB-762B-9	G-SB-762C-3
SAMPLE DATE	20091022	20091022	20091022	20091022	20091023	20091023	20091023	20091023	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	8.5	11	9.6	10000	1.1 U	1.1 U	1.1 U	100	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.6 U	1900	1.5 U	1.6 U	1.6 U	14	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.8 U	1.9 U	4800	1.8 U	1.8 U	1.8 U	61	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	8.5	43	35.8	49800	0 U	0 U	0 U	491	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762A	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B	SB-762B	SB-762C
SAMPLE ID	G-SB-762A-3	G-SB-762A-5	G-SB-762A-7	G-SB-762A-9	G-SB-762B-3	G-SB-762B-5	G-SB-762B-7	G-SB-762B-9	G-SB-762C-3
SAMPLE DATE	20091022	20091022	20091022	20091022	20091023	20091023	20091023	20091023	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-762C	SB-762C	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D
SAMPLE ID	G-SB-762C-5	G-SB-762C-7	G-SB-762D-3	G-SB-762D-5	G-SB-762D-7	G-SB-762D-7-AVG	G-SB-762D-7-D	G-SB-762D-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7	7	9
BOTTOM DEPTH	5	7	3	5	7	7	7	9
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-762C	SB-762C	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D
SAMPLE ID	G-SB-762C-5	G-SB-762C-7	G-SB-762D-3	G-SB-762D-5	G-SB-762D-7	G-SB-762D-7-AVG	G-SB-762D-7-D	G-SB-762D-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7	7	9
BOTTOM DEPTH	5	7	3	5	7	7	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	626	44	1.5 U	240	1.6 U	1.6 U	1.6 U	5047
BAP EQUIVALENT-POS	626	43	1.5 U	239	1.6 U	1.6 U	1.6 U	5047
BENZO(A)ANTHRACENE	520	41	1.1 U	150	1.2 U	1.2 U	1.2 U	2700
BENZO(A)PYRENE	440	33	1.5 U	190	1.6 U	1.6 U	1.6 U	3500
BENZO(B)FLUORANTHENE	460	38	1.4 U	220	1.5 U	1.5 U	1.5 U	3900
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	190	15	2 U	97	2.1 U	2.1 U	2.1 U	1400
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-762C	SB-762C	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D
SAMPLE ID	G-SB-762C-5	G-SB-762C-7	G-SB-762D-3	G-SB-762D-5	G-SB-762D-7	G-SB-762D-7-AVG	G-SB-762D-7-D	G-SB-762D-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7	7	9
BOTTOM DEPTH	5	7	3	5	7	7	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	520	44	1 U	190	1.1 U	1.1 U	1.1 U	3400
DIBENZO(A,H)ANTHRACENE	65	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	670
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	210	19	1.7 U	110	1.8 U	1.8 U	1.8 U	2000
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	2405	190	0 U	957	0 U	0 U	0 U	17570
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-762C	SB-762C	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D
SAMPLE ID	G-SB-762C-5	G-SB-762C-7	G-SB-762D-3	G-SB-762D-5	G-SB-762D-7	G-SB-762D-7-AVG	G-SB-762D-7-D	G-SB-762D-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7	7	9
BOTTOM DEPTH	5	7	3	5	7	7	7	9
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763A	SB-763A	SB-763A
SAMPLE ID	G-SB-763-3	G-SB-763-3-AVG	G-SB-763-3-D	G-SB-763-5	G-SB-763-7	G-SB-763-9	G-SB-763A-3	G-SB-763A-5	G-SB-763A-7
SAMPLE DATE	20091001	20091001	20091001	20091001	20091001	20091001	20091023	20091023	20091023
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	3	5	7	9	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763A	SB-763A	SB-763A
SAMPLE ID	G-SB-763-3	G-SB-763-3-AVG	G-SB-763-3-D	G-SB-763-5	G-SB-763-7	G-SB-763-9	G-SB-763A-3	G-SB-763A-5	G-SB-763A-7
SAMPLE DATE	20091001	20091001	20091001	20091001	20091001	20091001	20091023	20091023	20091023
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	3	5	7	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	16	10	3.3	97	22	4.2	1.7	12	1.6 U
BAP EQUIVALENT-POS	15	8.5	1.6	97	22	2.6	0.008	11	1.6 U
BENZO(A)ANTHRACENE	11	5.8	1.2 U	63	16	8.5	1.1 U	9.6	1.2 U
BENZO(A)PYRENE	11	5.9	1.6 U	58	16	1.6 U	1.5 U	9.1	1.6 U
BENZO(B)FLUORANTHENE	13	6.875	1.5 U	65	18	1.5 U	1.4 U	9.3	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2.05 U	2.1 U	27	2.1 U	2.1 U	2 U	2 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763A	SB-763A	SB-763A
SAMPLE ID	G-SB-763-3	G-SB-763-3-AVG	G-SB-763-3-D	G-SB-763-5	G-SB-763-7	G-SB-763-9	G-SB-763A-3	G-SB-763A-5	G-SB-763A-7
SAMPLE DATE	20091001	20091001	20091001	20091001	20091001	20091001	20091023	20091023	20091023
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	3	5	7	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	13	6.775	1.1 U	69	19	1.1 U	7.9	8.9	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.55 U	1.6 U	21	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	19	17.5	16	44	22	17	1.7 U	1.7 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	67	41.5	16	347	91	25.5	7.9	36.9	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763A	SB-763A	SB-763A
SAMPLE ID	G-SB-763-3	G-SB-763-3-AVG	G-SB-763-3-D	G-SB-763-5	G-SB-763-7	G-SB-763-9	G-SB-763A-3	G-SB-763A-5	G-SB-763A-7
SAMPLE DATE	20091001	20091001	20091001	20091001	20091001	20091001	20091023	20091023	20091023
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	3	5	7	9	3	5	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763A	SB-763B	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763C
SAMPLE ID	G-SB-763A-9	G-SB-763B-3	G-SB-763B-5	G-SB-763B-7	G-SB-763B-9	G-SB-763C-3	G-SB-763C-5	G-SB-763C-7	G-SB-763C-9
SAMPLE DATE	20091023	20091027	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763A	SB-763B	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763C
SAMPLE ID	G-SB-763A-9	G-SB-763B-3	G-SB-763B-5	G-SB-763B-7	G-SB-763B-9	G-SB-763C-3	G-SB-763C-5	G-SB-763C-7	G-SB-763C-9
SAMPLE DATE	20091023	20091027	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1539	1.5 U	15495	1.7	270	17	9096	24	4608
BAP EQUIVALENT-POS	1539	1.5 U	15495	0.0078	270	16	9096	23	4599
BENZO(A)ANTHRACENE	950	1.1 U	9500	1.1 U	150	14	6500	21	4100
BENZO(A)PYRENE	1100	1.5 U	11000	1.5 U	200	13	6200	18	3600
BENZO(B)FLUORANTHENE	1100	1.4 U	10000	1.4 U	180	13	7500	20	3700
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	550	2 U	5400	2 U	130	2.1 U	2800	1.9 U	1500
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763A	SB-763B	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763C
SAMPLE ID	G-SB-763A-9	G-SB-763B-3	G-SB-763B-5	G-SB-763B-7	G-SB-763B-9	G-SB-763C-3	G-SB-763C-5	G-SB-763C-7	G-SB-763C-9
SAMPLE DATE	20091023	20091027	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1200	1.1 U	11000	7.8	190	16	8000	24	4300
DIBENZO(A,H)ANTHRACENE	170	1.5 U	1900	1.5 U	25	1.6 U	1100	1.5 U	17 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	570	1.8 U	5800	1.7 U	110	1.9 U	3600	9.4	2000
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	5640	0 U	54600	7.8	985	56	35700	92.4	19200
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763A	SB-763B	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763C
SAMPLE ID	G-SB-763A-9	G-SB-763B-3	G-SB-763B-5	G-SB-763B-7	G-SB-763B-9	G-SB-763C-3	G-SB-763C-5	G-SB-763C-7	G-SB-763C-9
SAMPLE DATE	20091023	20091027	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-764	SB-764	SB-764
SAMPLE ID	G-SB-763D-3	G-SB-763D-5	G-SB-763D-7	G-SB-763D-7-AVG	G-SB-763D-7-D	G-SB-763D-9	G-SB-764-3	G-SB-764-5	G-SB-764-5-AVG
SAMPLE DATE	20091023	20091023	20091023	20091023	20091023	20091023	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	9	3	5	5
BOTTOM DEPTH	3	5	7	7	7	9	3	5	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-764	SB-764	SB-764
SAMPLE ID	G-SB-763D-3	G-SB-763D-5	G-SB-763D-7	G-SB-763D-7-AVG	G-SB-763D-7-D	G-SB-763D-9	G-SB-764-3	G-SB-764-5	G-SB-764-5-AVG
SAMPLE DATE	20091023	20091023	20091023	20091023	20091023	20091023	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	9	3	5	5
BOTTOM DEPTH	3	5	7	7	7	9	3	5	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	34	1.6 U	1.6 U	1.6 U	2.8	124	1396	1857
BAP EQUIVALENT-POS	1.6 U	33	1.6 U	1.6 U	1.6 U	1.0	124	1394	1856
BENZO(A)ANTHRACENE	1.1 U	29	1.2 U	1.2 U	1.2 U	9.9	110	1100 J	1550
BENZO(A)PYRENE	1.6 U	24	1.6 U	1.6 U	1.6 U	1.6 U	94	1100	1450
BENZO(B)FLUORANTHENE	1.4 U	41	1.5 U	1.5 U	1.5 U	1.5 U	130	1200 J	1650
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	13	2.1 U	2.1 U	2.1 U	2.1 U	50	510 J	755
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-764	SB-764	SB-764
SAMPLE ID	G-SB-763D-3	G-SB-763D-5	G-SB-763D-7	G-SB-763D-7-AVG	G-SB-763D-7-D	G-SB-763D-9	G-SB-764-3	G-SB-764-5	G-SB-764-5-AVG
SAMPLE DATE	20091023	20091023	20091023	20091023	20091023	20091023	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	9	3	5	5
BOTTOM DEPTH	3	5	7	7	7	9	3	5	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	29	1.1 U	1.1 U	1.1 U	8.3	110	1200 J	1650
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	3.1 U	3.55 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	17	1.8 U	1.8 U	1.8 U	1.9 U	50	580	765
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	153	0 U	0 U	0 U	18.2	544	5690	7820
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-764	SB-764	SB-764
SAMPLE ID	G-SB-763D-3	G-SB-763D-5	G-SB-763D-7	G-SB-763D-7-AVG	G-SB-763D-7-D	G-SB-763D-9	G-SB-764-3	G-SB-764-5	G-SB-764-5-AVG
SAMPLE DATE	20091023	20091023	20091023	20091023	20091023	20091023	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	9	3	5	5
BOTTOM DEPTH	3	5	7	7	7	9	3	5	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764	SB-764	SB-764	SB-764A	SB-764A	SB-764A	SB-764A	SB-764B	SB-764B
SAMPLE ID	G-SB-764-5-D	G-SB-764-7	G-SB-764-9	G-SB-764A-3	G-SB-764A-5	G-SB-764A-7	G-SB-764A-9	G-SB-764B-3	G-SB-764B-5
SAMPLE DATE	20091002	20091002	20091002	20091027	20091027	20091027	20091027	20091113	20091113
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764	SB-764	SB-764	SB-764A	SB-764A	SB-764A	SB-764A	SB-764B	SB-764B
SAMPLE ID	G-SB-764-5-D	G-SB-764-7	G-SB-764-9	G-SB-764A-3	G-SB-764A-5	G-SB-764A-7	G-SB-764A-9	G-SB-764B-3	G-SB-764B-5
SAMPLE DATE	20091002	20091002	20091002	20091027	20091027	20091027	20091027	20091113	20091113
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2319	1.5 U	1301	1.6 U	44	1.5 U	2117	95	76
BAP EQUIVALENT-POS	2317	1.5 U	1300	1.6 U	44	1.5 U	2117	95	76
BENZO(A)ANTHRACENE	2000 J	1.1 U	1200	1.1 U	27	1.1 U	1700	48	34
BENZO(A)PYRENE	1800	1.5 U	1000	1.6 U	35	1.5 U	1500	52	40
BENZO(B)FLUORANTHENE	2100 J	1.4 U	1200	1.4 U	35	1.4 U	1700	75	54
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1000 J	1.9 U	630	2 U	19	1.9 U	740	24	20
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764	SB-764	SB-764	SB-764A	SB-764A	SB-764A	SB-764A	SB-764B	SB-764B
SAMPLE ID	G-SB-764-5-D	G-SB-764-7	G-SB-764-9	G-SB-764A-3	G-SB-764A-5	G-SB-764A-7	G-SB-764A-9	G-SB-764B-3	G-SB-764B-5
SAMPLE DATE	20091002	20091002	20091002	20091027	20091027	20091027	20091027	20091113	20091113
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	2100 J	1 U	1300	1.1 U	38	1 U	1800	54	41
DIBENZO(A,H)ANTHRACENE	4 U	1.5 U	3.2 U	1.6 U	1.5 U	1.5 U	200	26	23
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	950	1.7 U	520	1.8 U	22	1.7 U	680	48	39
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	9950	0 U	5850	0 U	176	0 U	8320	327	251
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-764	SB-764	SB-764	SB-764A	SB-764A	SB-764A	SB-764A	SB-764B	SB-764B
SAMPLE ID	G-SB-764-5-D	G-SB-764-7	G-SB-764-9	G-SB-764A-3	G-SB-764A-5	G-SB-764A-7	G-SB-764A-9	G-SB-764B-3	G-SB-764B-5
SAMPLE DATE	20091002	20091002	20091002	20091027	20091027	20091027	20091027	20091113	20091113
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764B	SB-764B	SB-764C	SB-764C	SB-764C	SB-764C	SB-764D	SB-764D	SB-764D
SAMPLE ID	G-SB-764B-5-AVG	G-SB-764B-5-D	G-SB-764C-3	G-SB-764C-5	G-SB-764C-7	G-SB-764C-9	G-SB-764D-3	G-SB-764D-3-AVG	G-SB-764D-3-D
SAMPLE DATE	20091113	20091113	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	3	5	7	9	3	3	3
BOTTOM DEPTH	5	5	3	5	7	9	3	3	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764B	SB-764B	SB-764C	SB-764C	SB-764C	SB-764C	SB-764D	SB-764D	SB-764D
SAMPLE ID	G-SB-764B-5-AVG	G-SB-764B-5-D	G-SB-764C-3	G-SB-764C-5	G-SB-764C-7	G-SB-764C-9	G-SB-764D-3	G-SB-764D-3-AVG	G-SB-764D-3-D
SAMPLE DATE	20091113	20091113	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	3	5	7	9	3	3	3
BOTTOM DEPTH	5	5	3	5	7	9	3	3	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	91	106	15	7060	225	16912	11	12	13
BAP EQUIVALENT-POS	91	106	14	7060	225	16912	10	11	12
BENZO(A)ANTHRACENE	44.5	55	12	5100	150	15000	9.4	9.4	9.4
BENZO(A)PYRENE	51	62	12	4600	150	12000	9.3	9.65	10
BENZO(B)FLUORANTHENE	62.5	71	11	4800	170	14000	1.6 U	4.7	8.6
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	26.5	33	2 U	2400	56	4600	2.2 U	2.15 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764B	SB-764B	SB-764C	SB-764C	SB-764C	SB-764C	SB-764D	SB-764D	SB-764D
SAMPLE ID	G-SB-764B-5-AVG	G-SB-764B-5-D	G-SB-764C-3	G-SB-764C-5	G-SB-764C-7	G-SB-764C-9	G-SB-764D-3	G-SB-764D-3-AVG	G-SB-764D-3-D
SAMPLE DATE	20091113	20091113	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	3	5	7	9	3	3	3
BOTTOM DEPTH	5	5	3	5	7	9	3	3	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	54.5	68	14	6100	170	16000	13	12.5	12
DIBENZO(A,H)ANTHRACENE	24.5	26	1.5 U	1200	34	1300	1.7 U	1.65 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	44	49	1.7 U	2400	82	6500	2 U	1.95 U	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	307.5	364	49	26600	812	69400	31.7	35.85	40
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-764B	SB-764B	SB-764C	SB-764C	SB-764C	SB-764C	SB-764D	SB-764D	SB-764D
SAMPLE ID	G-SB-764B-5-AVG	G-SB-764B-5-D	G-SB-764C-3	G-SB-764C-5	G-SB-764C-7	G-SB-764C-9	G-SB-764D-3	G-SB-764D-3-AVG	G-SB-764D-3-D
SAMPLE DATE	20091113	20091113	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	3	5	7	9	3	3	3
BOTTOM DEPTH	5	5	3	5	7	9	3	3	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764D	SB-764D	SB-764D	SB-765	SB-765	SB-765	SB-765	SB-765A	SB-765A
SAMPLE ID	G-SB-764D-5	G-SB-764D-7	G-SB-764D-9	G-SB-765-3	G-SB-765-5	G-SB-765-7	G-SB-765-9	G-SB-765A-3	G-SB-765A-5
SAMPLE DATE	20091027	20091027	20091027	20091002	20091002	20091002	20091002	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764D	SB-764D	SB-764D	SB-765	SB-765	SB-765	SB-765	SB-765A	SB-765A
SAMPLE ID	G-SB-764D-5	G-SB-764D-7	G-SB-764D-9	G-SB-765-3	G-SB-765-5	G-SB-765-7	G-SB-765-9	G-SB-765A-3	G-SB-765A-5
SAMPLE DATE	20091027	20091027	20091027	20091002	20091002	20091002	20091002	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	21710	504	11763	1.6 U	406	1.5 U	67	105	327
BAP EQUIVALENT-POS	21710	504	11763	1.6 U	406	1.5 U	66	105	327
BENZO(A)ANTHRACENE	20000	410	9700	1.1 U	360	1.1 U	57	69	240
BENZO(A)PYRENE	15000	340	8100	1.6 U	270	1.5 U	52	83	210
BENZO(B)FLUORANTHENE	17000	370	9800	1.4 U	300	1.4 U	57	92	230
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	6800	180	3200	2 U	130	2 U	31	25	110
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-764D	SB-764D	SB-764D	SB-765	SB-765	SB-765	SB-765	SB-765A	SB-765A
SAMPLE ID	G-SB-764D-5	G-SB-764D-7	G-SB-764D-9	G-SB-765-3	G-SB-765-5	G-SB-765-7	G-SB-765-9	G-SB-765A-3	G-SB-765A-5
SAMPLE DATE	20091027	20091027	20091027	20091002	20091002	20091002	20091002	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	480	11000	1.1 U	330	1.1 U	57	82	260
DIBENZO(A,H)ANTHRACENE	2100	65	1200	1.6 U	53	1.5 U	1.6 U	1.5 U	56
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	8200	190	4700	1.8 U	150	1.8 U	25	52	130
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	91100	2035	47700	0 U	1593	0 U	279	403	1236
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-764D	SB-764D	SB-764D	SB-765	SB-765	SB-765	SB-765	SB-765A	SB-765A
SAMPLE ID	G-SB-764D-5	G-SB-764D-7	G-SB-764D-9	G-SB-765-3	G-SB-765-5	G-SB-765-7	G-SB-765-9	G-SB-765A-3	G-SB-765A-5
SAMPLE DATE	20091027	20091027	20091027	20091002	20091002	20091002	20091002	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-765A	SB-765B	SB-765B	SB-765B	SB-765C	SB-765C	SB-765C	SB-765D	SB-765D
SAMPLE ID	G-SB-765A-7	G-SB-765B-3	G-SB-765B-5	G-SB-765B-7	G-SB-765C-3	G-SB-765C-5	G-SB-765C-7	G-SB-765D-3	G-SB-765D-5
SAMPLE DATE	20091028	20091113	20091113	20091113	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	3	5	7	3	5
BOTTOM DEPTH	7	3	5	7	3	5	7	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-765A	SB-765B	SB-765B	SB-765B	SB-765C	SB-765C	SB-765C	SB-765D	SB-765D
SAMPLE ID	G-SB-765A-7	G-SB-765B-3	G-SB-765B-5	G-SB-765B-7	G-SB-765C-3	G-SB-765C-5	G-SB-765C-7	G-SB-765D-3	G-SB-765D-5
SAMPLE DATE	20091028	20091113	20091113	20091113	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	3	5	7	3	5
BOTTOM DEPTH	7	3	5	7	3	5	7	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.5	78	28	80	39	9950	39	30	3834
BAP EQUIVALENT-POS	0.8	78	27	79	38	9950	38	29	3834
BENZO(A)ANTHRACENE	8	42	17	54	12	7200	12	8	2400
BENZO(A)PYRENE	1.5 U	42	21	60	31	6500	31	28	2600
BENZO(B)FLUORANTHENE	1.4 U	50	14	82	34	7200	31	1.4 U	3000
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	19	23	23	2.1 U	3300	8.1	2 U	1100
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-765A	SB-765B	SB-765B	SB-765B	SB-765C	SB-765C	SB-765C	SB-765D	SB-765D
SAMPLE ID	G-SB-765A-7	G-SB-765B-3	G-SB-765B-5	G-SB-765B-7	G-SB-765C-3	G-SB-765C-5	G-SB-765C-7	G-SB-765D-3	G-SB-765D-5
SAMPLE DATE	20091028	20091113	20091113	20091113	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	3	5	7	3	5
BOTTOM DEPTH	7	3	5	7	3	5	7	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	49	25	67	12	6800	18	1.1 U	2800
DIBENZO(A,H)ANTHRACENE	1.5 U	23	1.6 U	1.6 U	1.6 U	1600	1.5 U	1.5 U	530
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	37	28	51	24	3700	25	1.8 U	1500
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	8	262	128	337	113	36300	125.1	36	13930
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765A	SB-765B	SB-765B	SB-765B	SB-765C	SB-765C	SB-765C	SB-765D	SB-765D
SAMPLE ID	G-SB-765A-7	G-SB-765B-3	G-SB-765B-5	G-SB-765B-7	G-SB-765C-3	G-SB-765C-5	G-SB-765C-7	G-SB-765D-3	G-SB-765D-5
SAMPLE DATE	20091028	20091113	20091113	20091113	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	3	5	7	3	5
BOTTOM DEPTH	7	3	5	7	3	5	7	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-765D	SB-803	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-804
SAMPLE ID	G-SB-765D-7	G-SB-803-03	G-SB-803-05	G-SB-803-07	G-SB-803-09	G-SB-804-03	G-SB-804-05	G-SB-804-07	G-SB-804-09
SAMPLE DATE	20091028	20100826	20100826	20100826	20100826	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	9	3	5	7	9
BOTTOM DEPTH	7	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765D	SB-803	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-804
SAMPLE ID	G-SB-765D-7	G-SB-803-03	G-SB-803-05	G-SB-803-07	G-SB-803-09	G-SB-804-03	G-SB-804-05	G-SB-804-07	G-SB-804-09
SAMPLE DATE	20091028	20100826	20100826	20100826	20100826	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	9	3	5	7	9
BOTTOM DEPTH	7	3	5	7	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	16 U
2-METHYLNAPHTHALENE	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	16 U
ACENAPHTHENE	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	37
ACENAPHTHYLENE	NA	3.9 U	3.9 U	3.6 U	14	3.8 U	4.1 U	3.8 U	82
ANTHRACENE	NA	3.9 U	3.9 U	3.6 U	38 J	3.8 U	4.1 U	3.8 U	270
BAP EQUIVALENT-HALFND	513	3.9 U	34	3.6 U	144	3.8 U	29	3.8 U	1432
BAP EQUIVALENT-POS	513	3.9 U	31	3.6 U	142	3.8 U	26	3.8 U	1424
BENZO(A)ANTHRACENE	300	3.9 U	3.9 U	3.6 U	83	3.8 U	29	3.8 U	1300
BENZO(A)PYRENE	340	3.9 U	31 J	3.6 UJ	110 J	3.8 U	20	3.8 U	1100
BENZO(B)FLUORANTHENE	420	3.9 U	3.9 U	3.6 UJ	150 J	3.8 U	22	3.8 U	1200
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	3.9 U	3.9 U	21 J	100 J	3.8 U	17	3.8 U	860
BENZO(K)FLUORANTHENE	130	3.9 U	3.9 U	3.6 UJ	59 J	3.8 U	13	3.8 U	620
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765D	SB-803	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-804
SAMPLE ID	G-SB-765D-7	G-SB-803-03	G-SB-803-05	G-SB-803-07	G-SB-803-09	G-SB-804-03	G-SB-804-05	G-SB-804-07	G-SB-804-09
SAMPLE DATE	20091028	20100826	20100826	20100826	20100826	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	9	3	5	7	9
BOTTOM DEPTH	7	3	5	7	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	360	1.3 U	16	1.2 U	110	1.3 U	31	1.3 U	1600
DIBENZO(A,H)ANTHRACENE	76	3.9 U	3.9 U	3.6 UJ	4.2 U	3.8 U	4.1 U	3.8 U	16 U
FLUORANTHENE	NA	3.9 U	31 J	20 J	150 J	3.8 U	46	3.8 U	2500
FLUORENE	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	16 U
INDENO(1,2,3-CD)PYRENE	230	3.9 U	3.9 U	3.6 UJ	80 J	3.8 U	12	3.8 U	660
NAPHTHALENE	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	16 U
PHENANTHRENE	NA	3.9 U	19 J	3.6 U	66 J	3.8 U	32	3.8 U	1500
PYRENE	NA	3.9 U	28	3.6 U	230	3.8 U	68	3.8 U	4100
TOTAL PAHS	1856	0 U	125	41	1190	0 U	290	0 U	15829
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765D	SB-803	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-804
SAMPLE ID	G-SB-765D-7	G-SB-803-03	G-SB-803-05	G-SB-803-07	G-SB-803-09	G-SB-804-03	G-SB-804-05	G-SB-804-07	G-SB-804-09
SAMPLE DATE	20091028	20100826	20100826	20100826	20100826	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	9	3	5	7	9
BOTTOM DEPTH	7	3	5	7	9	3	5	7	9
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-805	SB-805	SB-806	SB-806	SB-806	SB-806	SB-806	SB-806	SB-807
SAMPLE ID	G-SB-805-07	G-SB-805-09	G-SB-806-03	G-SB-806-05	G-SB-806-07	G-SB-806-07-AVG	G-SB-806-07-D	G-SB-806-09	G-SB-807-03
SAMPLE DATE	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-805	SB-805	SB-806	SB-806	SB-806	SB-806	SB-806	SB-806	SB-807
SAMPLE ID	G-SB-805-07	G-SB-805-09	G-SB-806-03	G-SB-806-05	G-SB-806-07	G-SB-806-07-AVG	G-SB-806-07-D	G-SB-806-09	G-SB-807-03
SAMPLE DATE	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	76 U	3.7 U
2-METHYLNAPHTHALENE	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	480	3.7 U
ACENAPHTHENE	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	660 J	3.7 U
ACENAPHTHYLENE	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	520	3.7 U
ANTHRACENE	4 U	9.8	4.2 U	9.1	3.8 U	3.95 U	4.1 U	1700 J	3.7 U
BAP EQUIVALENT-HALFND	4 U	60	4.2 U	67	3.8 U	3.95 U	4.1 U	15215	3.7 U
BAP EQUIVALENT-POS	4 U	58	4.2 U	65	3.8 U	3.95 U	4.1 U	15215	3.7 U
BENZO(A)ANTHRACENE	4 U	46	4.2 U	58	3.8 U	3.95 U	4.1 U	10000	3.7 U
BENZO(A)PYRENE	4 U	45	4.2 U	48	3.8 U	3.95 U	4.1 U	10000 J	3.7 U
BENZO(B)FLUORANTHENE	4 U	50	4.2 U	68	3.8 U	3.95 U	4.1 U	14000 J	3.7 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	41	4.2 U	56	3.8 U	3.95 U	4.1 U	9200 J	3.7 U
BENZO(K)FLUORANTHENE	4 U	27	4.2 U	30	3.8 U	3.95 U	4.1 U	5300 J	3.7 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-805	SB-805	SB-806	SB-806	SB-806	SB-806	SB-806	SB-806	SB-807
SAMPLE ID	G-SB-805-07	G-SB-805-09	G-SB-806-03	G-SB-806-05	G-SB-806-07	G-SB-806-07-AVG	G-SB-806-07-D	G-SB-806-09	G-SB-807-03
SAMPLE DATE	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	81 U	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.3 U	58	1.4 U	76	1.3 U	1.35 U	1.4 U	12000	1.2 U
DIBENZO(A,H)ANTHRACENE	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	2100 J	3.7 U
FLUORANTHENE	4 U	76	4.2 U	88	3.8 U	3.95 U	4.1 U	16000 J	3.7 U
FLUORENE	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	76 U	3.7 U
INDENO(1,2,3-CD)PYRENE	4 U	30	4.2 U	40	3.8 U	3.95 U	4.1 U	6500 J	3.7 U
NAPHTHALENE	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	510	3.7 U
PHENANTHRENE	4 U	40	4.2 U	38	3.8 U	3.95 U	4.1 U	7600 J	3.7 U
PYRENE	4 U	120	4.2 U	140	3.8 U	3.95 U	4.1 U	30000	3.7 U
TOTAL PAHS	0 U	542.8	0 U	651.1	0 U	0 U	0 U	126570	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-805	SB-805	SB-806	SB-806	SB-806	SB-806	SB-806	SB-806	SB-807
SAMPLE ID	G-SB-805-07	G-SB-805-09	G-SB-806-03	G-SB-806-05	G-SB-806-07	G-SB-806-07-AVG	G-SB-806-07-D	G-SB-806-09	G-SB-807-03
SAMPLE DATE	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-807	SB-807	SB-807	SB-807	SB-807	SB-808	SB-808	SB-808	SB-808
SAMPLE ID	G-SB-807-03-AVG	G-SB-807-03-D	G-SB-807-05	G-SB-807-07	G-SB-807-09	G-SB-808-03	G-SB-808-05	G-SB-808-07	G-SB-808-09
SAMPLE DATE	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7	9
BOTTOM DEPTH	3	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-807	SB-807	SB-807	SB-807	SB-807	SB-808	SB-808	SB-808	SB-808
SAMPLE ID	G-SB-807-03-AVG	G-SB-807-03-D	G-SB-807-05	G-SB-807-07	G-SB-807-09	G-SB-808-03	G-SB-808-05	G-SB-808-07	G-SB-808-09
SAMPLE DATE	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7	9
BOTTOM DEPTH	3	3	5	7	9	3	5	7	9
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	7.6 U	3.7 U	37 U
2-METHYLNAPHTHALENE	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	20	3.7 U	37 U
ACENAPHTHENE	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	18	3.7 U	37 U
ACENAPHTHYLENE	3.65 U	3.6 U	3.8 UL	3.9 U	22	3.7 U	77	3.7 U	80
ANTHRACENE	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	180	3.7 U	380
BAP EQUIVALENT-HALFND	3.65 U	3.6 U	3.8 U	3.9 U	51	3.7 U	2009	3.7 U	8573
BAP EQUIVALENT-POS	3.65 U	3.6 U	3.8 U	3.9 U	49	3.7 U	2009	3.7 U	8573
BENZO(A)ANTHRACENE	3.65 U	3.6 U	3.8 UL	3.9 U	35	3.7 U	1200	3.7 U	4500
BENZO(A)PYRENE	3.65 U	3.6 U	3.8 UL	3.9 U	38	3.7 U	1300	3.7 U	6000
BENZO(B)FLUORANTHENE	3.65 U	3.6 U	3.8 UL	3.9 U	43	3.7 U	1200	3.7 U	5900
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.65 U	3.6 U	3.8 UL	3.9 U	33	3.7 U	1300	3.7 U	5900
BENZO(K)FLUORANTHENE	3.65 U	3.6 U	3.8 UL	3.9 U	16	3.7 U	710	3.7 U	2600
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-807	SB-807	SB-807	SB-807	SB-807	SB-808	SB-808	SB-808	SB-808
SAMPLE ID	G-SB-807-03-AVG	G-SB-807-03-D	G-SB-807-05	G-SB-807-07	G-SB-807-09	G-SB-808-03	G-SB-808-05	G-SB-808-07	G-SB-808-09
SAMPLE DATE	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7	9
BOTTOM DEPTH	3	3	5	7	9	3	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	80 U	NA	NA	NA	NA	NA
CHRYSENE	1.2 U	1.2 U	1.3 UL	1.3 U	41	1.2 U	1200	1.2 U	7000 J
DIBENZO(A,H)ANTHRACENE	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	370	3.7 U	1100
FLUORANTHENE	3.65 U	3.6 U	3.8 UL	3.9 U	50	3.7 U	1200	3.7 U	5700
FLUORENE	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	25	3.7 U	37 U
INDENO(1,2,3-CD)PYRENE	3.65 U	3.6 U	3.8 UL	3.9 U	25	3.7 U	910	3.7 U	4000
NAPHTHALENE	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	22	3.7 U	37 U
PHENANTHRENE	3.65 U	3.6 U	3.8 UL	3.9 U	19	3.7 U	240	3.7 U	980
PYRENE	3.65 U	3.6 U	3.8 UL	3.9 U	81	3.7 U	2500	3.7 U	11000
TOTAL PAHS	0 U	0 U	0 U	0 U	403	0 U	12472	0 U	55140
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-807	SB-807	SB-807	SB-807	SB-807	SB-808	SB-808	SB-808	SB-808
SAMPLE ID	G-SB-807-03-AVG	G-SB-807-03-D	G-SB-807-05	G-SB-807-07	G-SB-807-09	G-SB-808-03	G-SB-808-05	G-SB-808-07	G-SB-808-09
SAMPLE DATE	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7	9
BOTTOM DEPTH	3	3	5	7	9	3	5	7	9
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-809	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-810	SB-811
SAMPLE ID	G-SB-809-03	G-SB-809-05	G-SB-809-07	G-SB-809-09	G-SB-810-03	G-SB-810-05	G-SB-810-07	G-SB-810-09	G-SB-811-05
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	5
BOTTOM DEPTH	3	5	7	9	3	5	7	9	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-809	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-810	SB-811
SAMPLE ID	G-SB-809-03	G-SB-809-05	G-SB-809-07	G-SB-809-09	G-SB-810-03	G-SB-810-05	G-SB-810-07	G-SB-810-09	G-SB-811-05
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	5
BOTTOM DEPTH	3	5	7	9	3	5	7	9	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	3.9 U	3.9 U	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
2-METHYLNAPHTHALENE	3.9 U	3.9 U	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
ACENAPHTHENE	3.9 U	3.9 U	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	36
ACENAPHTHYLENE	3.9 U	3.9 U	3.9 U	7.9	4 U	18	3.6 U	4.2 U	96
ANTHRACENE	3.9 U	21 J	3.9 U	36 J	4 U	31	3.6 U	4.2 U	240
BAP EQUIVALENT-HALFND	3.9 U	71	3.9 U	179	5.4	248	11	18	1927
BAP EQUIVALENT-POS	3.9 U	69	3.9 U	177	1	246	8.4	15	1919
BENZO(A)ANTHRACENE	3.9 U	43 J	3.9 U	110	4 U	140	3.6 U	4.2 UJ	1500
BENZO(A)PYRENE	3.9 U	59 J	3.9 U	140 J	4 U	200	8.4	14	1500
BENZO(B)FLUORANTHENE	3.9 U	52 J	3.9 U	170 J	10	200	3.6 U	13	1700
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.9 U	3.9 UJ	3.9 U	100 J	4 U	160	3.6 U	4.2 U	1200
BENZO(K)FLUORANTHENE	3.9 UJ	29 J	3.9 U	89 J	4 U	100	3.6 U	4.2 U	670
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-809	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-810	SB-811
SAMPLE ID	G-SB-809-03	G-SB-809-05	G-SB-809-07	G-SB-809-09	G-SB-810-03	G-SB-810-05	G-SB-810-07	G-SB-810-09	G-SB-811-05
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	5
BOTTOM DEPTH	3	5	7	9	3	5	7	9	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C1-FLUORENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C2-FLUORENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C2-NAPHTHALENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C3-FLUORENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C3-NAPHTHALENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C4-NAPHTHALENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	79 U	NA	NA	NA	74 U	NA	NA
CHRYSENE	1.3 U	47 J	1.3 U	150	1.3 U	190	8.5	1.4 UJ	1700
DIBENZO(A,H)ANTHRACENE	3.9 U	3.9 UJ	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
FLUORANTHENE	3.9 U	71 J	3.9 U	170 J	8.4	220	9.7	4.2 U	2500
FLUORENE	3.9 U	3.9 UJ	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
INDENO(1,2,3-CD)PYRENE	3.9 U	3.9 UJ	3.9 U	82 J	4 U	110	3.6 U	4.2 U	910
NAPHTHALENE	3.9 U	3.9 U	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
PHENANTHRENE	3.9 U	39 J	3.9 UJ	77 J	4 U	42	3.6 U	4.2 U	1100
PYRENE	3.9 U	110 J	3.9 U	270	9.6	400	16	26 J	4200
TOTAL PAHS	0 U	471	0 U	1401.9	28	1811	42.6	53	17352
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-809	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-810	SB-811
SAMPLE ID	G-SB-809-03	G-SB-809-05	G-SB-809-07	G-SB-809-09	G-SB-810-03	G-SB-810-05	G-SB-810-07	G-SB-810-09	G-SB-811-05
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	5
BOTTOM DEPTH	3	5	7	9	3	5	7	9	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-811	SB-811	SB-811	SB-811	SB-812	SB-812	SB-812	SB-812	SB-813
SAMPLE ID	G-SB-811-07	G-SB-811-07-AVG	G-SB-811-07-D	G-SB-811-09	G-SB-812-03	G-SB-812-05	G-SB-812-07	G-SB-812-09	G-SB-813-03
SAMPLE DATE	20100823	20100823	20100823	20100823	20100824	20100824	20100824	20100824	20100826
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	9	3
BOTTOM DEPTH	7	7	7	9	3	5	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-811	SB-811	SB-811	SB-811	SB-812	SB-812	SB-812	SB-812	SB-813
SAMPLE ID	G-SB-811-07	G-SB-811-07-AVG	G-SB-811-07-D	G-SB-811-09	G-SB-812-03	G-SB-812-05	G-SB-812-07	G-SB-812-09	G-SB-813-03
SAMPLE DATE	20100823	20100823	20100823	20100823	20100824	20100824	20100824	20100824	20100826
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	9	3
BOTTOM DEPTH	7	7	7	9	3	5	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	18	3.9 U
2-METHYLNAPHTHALENE	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	31	3.9 U
ACENAPHTHENE	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	8 U	3.9 U
ACENAPHTHYLENE	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	72	3.9 U
ANTHRACENE	4 U	3.95 U	3.9 U	4.4 U	3.8 U	24 J	3.9 U	130	3.9 U
BAP EQUIVALENT-HALFND	4 U	3.95 U	3.9 U	57	3.8 U	66	3.9 U	780	3.9 U
BAP EQUIVALENT-POS	4 U	3.95 U	3.9 U	55	3.8 U	64	3.9 U	776	3.9 U
BENZO(A)ANTHRACENE	4 U	3.95 U	3.9 U	44	3.8 U	35	3.9 U	540	3.9 U
BENZO(A)PYRENE	4 U	3.95 U	3.9 U	43	3.8 U	55 J	3.9 U	610 J	3.9 U
BENZO(B)FLUORANTHENE	4 U	3.95 U	3.9 U	43	3.8 U	48 J	3.9 U	700 J	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	3.95 U	3.9 U	41	3.8 U	4.1 U	3.9 U	570	3.9 U
BENZO(K)FLUORANTHENE	4 U	3.95 U	3.9 U	21	3.8 U	29 J	3.9 U	270	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-811	SB-811	SB-811	SB-811	SB-812	SB-812	SB-812	SB-812	SB-813
SAMPLE ID	G-SB-811-07	G-SB-811-07-AVG	G-SB-811-07-D	G-SB-811-09	G-SB-812-03	G-SB-812-05	G-SB-812-07	G-SB-812-09	G-SB-813-03
SAMPLE DATE	20100823	20100823	20100823	20100823	20100824	20100824	20100824	20100824	20100826
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	9	3
BOTTOM DEPTH	7	7	7	9	3	5	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	79 U	NA	NA
CHRYSENE	1.3 U	1.3 U	1.3 U	49	1.3 U	42	1.3 U	610	1.3 U
DIBENZO(A,H)ANTHRACENE	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	8 U	3.9 U
FLUORANTHENE	4 U	3.95 U	3.9 U	63	3.8 U	56 J	3.9 U	700 J	3.9 U
FLUORENE	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	8 U	3.9 U
INDENO(1,2,3-CD)PYRENE	4 U	3.95 U	3.9 U	26	3.8 U	4.1 U	3.9 U	390 J	3.9 U
NAPHTHALENE	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	40	3.9 U
PHENANTHRENE	4 U	3.95 U	3.9 U	25	3.8 U	24 J	3.9 U	240	3.9 U
PYRENE	4 U	3.95 U	3.9 U	100	3.8 U	82	8.9 J	1200 J	3.9 U
TOTAL PAHS	0 U	0 U	0 U	455	0 U	395	8.9	6103	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-811	SB-811	SB-811	SB-811	SB-812	SB-812	SB-812	SB-812	SB-813
SAMPLE ID	G-SB-811-07	G-SB-811-07-AVG	G-SB-811-07-D	G-SB-811-09	G-SB-812-03	G-SB-812-05	G-SB-812-07	G-SB-812-09	G-SB-813-03
SAMPLE DATE	20100823	20100823	20100823	20100823	20100824	20100824	20100824	20100824	20100826
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	9	3
BOTTOM DEPTH	7	7	7	9	3	5	7	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-813-05	G-SB-813-07	G-SB-813-09
SAMPLE DATE	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	5	7	9
BOTTOM DEPTH	5	7	9
VOLATILES (UG/KG)			
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA
1,4-DIOXANE	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA
2-BUTANONE	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA
2-HEXANONE	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA
ACETONE	NA	NA	NA
BENZENE	NA	NA	NA
BROMOBENZENE	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA
BROMOFORM	NA	NA	NA
BROMOMETHANE	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA
CHLOROBENZENE	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA
CHLOROETHANE	NA	NA	NA
CHLOROFORM	NA	NA	NA
CHLOROMETHANE	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA
ETHYLBENZENE	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA
M+P-XYLENES	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA
NAPHTHALENE	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA
O-XYLENE	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA
STYRENE	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA
TOLUENE	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA
TOTAL XYLENES	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA
VINYL ACETATE	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-813-05	G-SB-813-07	G-SB-813-09
SAMPLE DATE	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	5	7	9
BOTTOM DEPTH	5	7	9
VINYL CHLORIDE	NA	NA	NA
SEMIVOLATILES (UG/KG)			
1,1-BIPHENYL	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA
1,4-DIOXANE	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA
2-NITROANILINE	NA	NA	NA
2-NITROPHENOL	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA
3-NITROANILINE	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA
4-NITROANILINE	NA	NA	NA
4-NITROPHENOL	NA	NA	NA
ACETOPHENONE	NA	NA	NA
ANILINE	NA	NA	NA
ATRAZINE	NA	NA	NA
AZOBENZENE	NA	NA	NA
BENZALDEHYDE	NA	NA	NA
BENZIDINE	NA	NA	NA
BENZOIC ACID	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA
CAPROLACTAM	NA	NA	NA
CARBAZOLE	NA	NA	NA
DIBENZOFURAN	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA
ISOPHORONE	NA	NA	NA
NITROBENZENE	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA
PHENOL	NA	NA	NA
PYRIDINE	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)			
1-METHYLNAPHTHALENE	4 U	3.9 U	900
2-METHYLNAPHTHALENE	4 U	3.9 U	650
ACENAPHTHENE	4 U	3.9 U	1200 J
ACENAPHTHYLENE	4 U	3.9 U	1000
ANTHRACENE	4 U	3.9 U	3500 J
BAP EQUIVALENT-HALFND	4 U	3.9 U	10566
BAP EQUIVALENT-POS	4 U	3.9 U	10524
BENZO(A)ANTHRACENE	4 U	3.9 U	10000
BENZO(A)PYRENE	4 U	3.9 U	8100 J
BENZO(B)FLUORANTHENE	4 U	3.9 U	9400 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	3.9 U	5700 J
BENZO(K)FLUORANTHENE	4 U	3.9 U	4300 J
C1-CHRYSENES	NA	NA	NA

LOCATION	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-813-05	G-SB-813-07	G-SB-813-09
SAMPLE DATE	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	5	7	9
BOTTOM DEPTH	5	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA
C1-FLUORANTHENES/PYRENES	NA	79 U	NA
C1-FLUORENES	NA	79 U	NA
C1-PHENANTHRENES/ANTHRACENES	NA	79 U	NA
C2-CHRYSENES	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA
C2-FLUORENES	NA	79 U	NA
C2-NAPHTHALENES	NA	79 U	NA
C2-PHENANTHRENES/ANTHRACENES	NA	79 U	NA
C3-CHRYSENES	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA
C3-FLUORENES	NA	79 U	NA
C3-NAPHTHALENES	NA	79 U	NA
C3-PHENANTHRENES/ANTHRACENES	NA	79 U	NA
C4-CHRYSENES	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	79 U	NA
C4-NAPHTHALENES	NA	79 U	NA
C4-PHENANTHRENES/ANTHRACENES	NA	79 U	NA
CHRYSENE	1.3 U	1.3 U	11000
DIBENZO(A,H)ANTHRACENE	4 U	3.9 U	84 U
FLUORANTHENE	21 J	3.9 U	17000 J
FLUORENE	4 U	3.9 U	1800 J
INDENO(1,2,3-CD)PYRENE	4 U	3.9 U	4300 J
NAPHTHALENE	4 U	3.9 U	220
PHENANTHRENE	4 U	3.9 U	18000 J
PYRENE	11	3.9 U	31000
TOTAL PAHS	32	0 U	127170
PESTICIDES/PCBS (UG/KG)			
4,4'-DDD	NA	NA	NA
4,4'-DDE	NA	NA	NA
4,4'-DDT	NA	NA	NA
ALDRIN	NA	NA	NA
ALPHA-BHC	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA
AROCLOR-1016	NA	NA	NA
AROCLOR-1221	NA	NA	NA
AROCLOR-1232	NA	NA	NA
AROCLOR-1242	NA	NA	NA
AROCLOR-1248	NA	NA	NA
AROCLOR-1254	NA	NA	NA
AROCLOR-1260	NA	NA	NA
BETA-BHC	NA	NA	NA
DELTA-BHC	NA	NA	NA
DIELDRIN	NA	NA	NA
ENDOSULFAN I	NA	NA	NA
ENDOSULFAN II	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA
ENDRIN	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA
ENDRIN KETONE	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA
HEPTACHLOR	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA
METHOXYCHLOR	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA
TOXAPHENE	NA	NA	NA
METALS (MG/KG)			
ANTIMONY	NA	NA	NA
ARSENIC	NA	NA	NA
BARIUM	NA	NA	NA
BERYLLIUM	NA	NA	NA
CADMIUM	NA	NA	NA
CHROMIUM	NA	NA	NA
COBALT	NA	NA	NA
COPPER	NA	NA	NA
IRON	NA	NA	NA
LEAD	NA	NA	NA
MANGANESE	NA	NA	NA
MERCURY	NA	NA	NA
MOLYBDENUM	NA	NA	NA
NICKEL	NA	NA	NA
SELENIUM	NA	NA	NA
SILVER	NA	NA	NA
THALLIUM	NA	NA	NA
VANADIUM	NA	NA	NA
ZINC	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)			

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-813-05	G-SB-813-07	G-SB-813-09
SAMPLE DATE	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	5	7	9
BOTTOM DEPTH	5	7	9
DIESEL RANGE ORGANICS	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA
TPH (C09-C36)	NA	NA	NA
TPH (C10-C32)	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)			
PERCENT SOLIDS	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)			
HEXAVALENT CHROMIUM	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)			
PH	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)			
MERCURY (METHYL)	NA	NA	NA
RADIONUCLIDES (PCI/G)			
ACTINIUM-228	NA	NA	NA
ALUMINUM-26	NA	NA	NA
AMERICIUM-241	NA	NA	NA
ANTIMONY-124	NA	NA	NA
ANTIMONY-125	NA	NA	NA
BERYLLIUM-7	NA	NA	NA
BISMUTH-212	NA	NA	NA
BISMUTH-214	NA	NA	NA
CERIUM-139	NA	NA	NA
CERIUM-144	NA	NA	NA
CESIUM-134	NA	NA	NA
CESIUM-137	NA	NA	NA
CHROMIUM-51	NA	NA	NA
COBALT-56	NA	NA	NA
COBALT-57	NA	NA	NA
COBALT-58	NA	NA	NA
COBALT-60	NA	NA	NA
EUROPIUM-152	NA	NA	NA
EUROPIUM-154	NA	NA	NA
EUROPIUM-155	NA	NA	NA
IODINE-131	NA	NA	NA
IRON-59	NA	NA	NA
LEAD-212	NA	NA	NA
LEAD-214	NA	NA	NA
MANGANESE-54	NA	NA	NA
NIOBIUM-94	NA	NA	NA
NIOBIUM-95	NA	NA	NA
POTASSIUM-40	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA
RADIUM-226	NA	NA	NA
RUTHENIUM-106	NA	NA	NA
SCANDIUM-46	NA	NA	NA
SILVER-110	NA	NA	NA
SODIUM-22	NA	NA	NA
THALLIUM-208	NA	NA	NA
THORIUM-227	NA	NA	NA
THORIUM-234	NA	NA	NA
URANIUM-235	NA	NA	NA
ZINC-65	NA	NA	NA

LOCATION	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2
SAMPLE ID	G-TP-1-1-7-8	G-TP-1-2-7-8	G-TP-1-5-2-3	G-TP-1-6-2-3	G-TP-1-7-5-7	G-TP-1-8-5-7	G-TP-2-3-6-7	G-TP-2-8-5-6	G-TP-2-9-5-6
SAMPLE DATE	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	2	2	5	5	6	5	5
BOTTOM DEPTH	8	8	3	3	7	7	7	6	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2
SAMPLE ID	G-TP-1-1-7-8	G-TP-1-2-7-8	G-TP-1-5-2-3	G-TP-1-6-2-3	G-TP-1-7-5-7	G-TP-1-8-5-7	G-TP-2-3-6-7	G-TP-2-8-5-6	G-TP-2-9-5-6
SAMPLE DATE	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	2	2	5	5	6	5	5
BOTTOM DEPTH	8	8	3	3	7	7	7	6	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4.1 U	NA	3.8 U	NA	4 U	NA	39	3.9 U	NA
2-METHYLNAPHTHALENE	4.1 U	NA	3.8 U	NA	4 U	NA	64	3.9 U	NA
ACENAPHTHENE	4.1 U	NA	3.8 U	NA	4 U	NA	29	3.9 U	NA
ACENAPHTHYLENE	8.6	NA	3.8 U	NA	4 U	NA	170	19	NA
ANTHRACENE	12	NA	3.8 U	NA	4 U	NA	320	34	NA
BAP EQUIVALENT-HALFND	64	NA	3.8 U	NA	37	NA	1610	155	NA
BAP EQUIVALENT-POS	62	NA	3.8 U	NA	35	NA	1610	153	NA
BENZO(A)ANTHRACENE	40	NA	3.8 U	NA	22	NA	1000	110	NA
BENZO(A)PYRENE	50 J	NA	3.8 U	NA	28 J	NA	1100 J	120 J	NA
BENZO(B)FLUORANTHENE	41	NA	3.8 U	NA	17	NA	1200	130	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	31	NA	3.8 U	NA	13	NA	880	100	NA
BENZO(K)FLUORANTHENE	18	NA	3.8 U	NA	10	NA	540	53	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2
SAMPLE ID	G-TP-1-1-7-8	G-TP-1-2-7-8	G-TP-1-5-2-3	G-TP-1-6-2-3	G-TP-1-7-5-7	G-TP-1-8-5-7	G-TP-2-3-6-7	G-TP-2-8-5-6	G-TP-2-9-5-6
SAMPLE DATE	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	2	2	5	5	6	5	5
BOTTOM DEPTH	8	8	3	3	7	7	7	6	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	89 J	NA	78 U	NA	80 U	NA	NA	83 J
C1-FLUORANTHENES/PYRENES	NA	96 J	NA	78 U	NA	80 U	NA	NA	84 J
C1-FLUORENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C1-PHENANTHRENES/ANTHRACENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C2-FLUORENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C2-NAPHTHALENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C2-PHENANTHRENES/ANTHRACENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C3-FLUORENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C3-NAPHTHALENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C3-PHENANTHRENES/ANTHRACENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C4-NAPHTHALENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
C4-PHENANTHRENES/ANTHRACENES	NA	81 U	NA	78 U	NA	80 U	NA	NA	80 U
CHRYSENE	47	NA	1.3 U	NA	25	NA	1200	130	NA
DIBENZO(A,H)ANTHRACENE	4.1 U	NA	3.8 U	NA	4 U	NA	220 J	3.9 U	NA
FLUORANTHENE	62	NA	3.8 U	NA	37	NA	1700	170	NA
FLUORENE	4.1 U	NA	3.8 U	NA	4 U	NA	56	3.9 U	NA
INDENO(1,2,3-CD)PYRENE	35 J	NA	3.8 U	NA	25 J	NA	630 J	80 J	NA
NAPHTHALENE	4.1 U	NA	3.8 U	NA	4 U	NA	87	8.4	NA
PHENANTHRENE	30	NA	3.8 U	NA	4 U	NA	800	82	NA
PYRENE	92	NA	3.8 U	NA	55	NA	2500	260	NA
TOTAL PAHS	466.6	NA	0 U	NA	232	NA	12496	1296.4	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2
SAMPLE ID	G-TP-1-1-7-8	G-TP-1-2-7-8	G-TP-1-5-2-3	G-TP-1-6-2-3	G-TP-1-7-5-7	G-TP-1-8-5-7	G-TP-2-3-6-7	G-TP-2-8-5-6	G-TP-2-9-5-6
SAMPLE DATE	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	2	2	5	5	6	5	5
BOTTOM DEPTH	8	8	3	3	7	7	7	6	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	OW-5	OW-5	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091
SAMPLE ID	OW-5-4	OW-5-6	G-SB-91RE-10	G-SB-91RE-3	G-SB-91RE-5	G-SB-91RE-6	G-SB-91RE-7	G-SB-91RE-8	G-SB-91RE-8-AVG
SAMPLE DATE	20071128	20071128	20090930	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	10	3	5	6	7	8	8
BOTTOM DEPTH	4	6	10	3	5	6	7	8	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
ACETONE	8.7 J	14 J	NA	NA	NA	NA	NA	NA	NA
BENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	15 B	14 B	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
STYRENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	110 UR	120 UR	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TOLUENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	11 U	12 U	NA	NA	NA	NA	NA	NA	NA

LOCATION	OW-5	OW-5	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091
SAMPLE ID	OW-5-4	OW-5-6	G-SB-91RE-10	G-SB-91RE-3	G-SB-91RE-5	G-SB-91RE-6	G-SB-91RE-7	G-SB-91RE-8	G-SB-91RE-8-AVG
SAMPLE DATE	20071128	20071128	20090930	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	10	3	5	6	7	8	8
BOTTOM DEPTH	4	6	10	3	5	6	7	8	8
VINYL CHLORIDE	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	137	232	95	1.6 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	NA	NA	137	232	95	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	56	85	35	1.2 U	1.2 U	1.1 U	1.15 U
BENZO(A)PYRENE	NA	NA	89	150	58	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	91	160	60	1.5 U	1.5 U	1.4 U	1.45 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	28	45	26	2.1 U	2.1 U	2 U	2.05 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	OW-5	OW-5	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091
SAMPLE ID	OW-5-4	OW-5-6	G-SB-91RE-10	G-SB-91RE-3	G-SB-91RE-5	G-SB-91RE-6	G-SB-91RE-7	G-SB-91RE-8	G-SB-91RE-8-AVG
SAMPLE DATE	20071128	20071128	20090930	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	10	3	5	6	7	8	8
BOTTOM DEPTH	4	6	10	3	5	6	7	8	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	70	92	49	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	NA	NA	26	46	22	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	70	110	49	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	430	688	299	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	38 U	39 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	38 U	39 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	38 U	39 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	38 U	39 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	38 U	39 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	38 U	39 U	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	38 U	39 U	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.34 J	0.17 B	NA	NA	NA	NA	NA	NA	NA
ARSENIC	2.1 L	1.8 L	NA	NA	NA	NA	NA	NA	NA
BARIUM	24.2	14.4	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	0.44	0.33	NA	NA	NA	NA	NA	NA	NA
CADMIUM	0.22	0.085	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	11.4 J	8 J	NA	NA	NA	NA	NA	NA	NA
COBALT	5.4 J	2.6 J	NA	NA	NA	NA	NA	NA	NA
COPPER	6.4 J	6 J	NA	NA	NA	NA	NA	NA	NA
IRON	17200 J	15700 J	NA	NA	NA	NA	NA	NA	NA
LEAD	10.4 J	5.9 J	NA	NA	NA	NA	NA	NA	NA
MANGANESE	123 J	67.3 J	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.019 UL	0.02 UL	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	0.25 B	0.22 B	NA	NA	NA	NA	NA	NA	NA
NICKEL	4.9 J	3.2 J	NA	NA	NA	NA	NA	NA	NA
SELENIUM	0.18 UL	0.19 UL	NA	NA	NA	NA	NA	NA	NA
SILVER	0.21	0.12	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.073	0.053	NA	NA	NA	NA	NA	NA	NA
VANADIUM	15.7 J	13.3 J	NA	NA	NA	NA	NA	NA	NA
ZINC	20.2 K	13.1 K	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	OW-5	OW-5	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091
SAMPLE ID	OW-5-4	OW-5-6	G-SB-91RE-10	G-SB-91RE-3	G-SB-91RE-5	G-SB-91RE-6	G-SB-91RE-7	G-SB-91RE-8	G-SB-91RE-8-AVG
SAMPLE DATE	20071128	20071128	20090930	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	10	3	5	6	7	8	8
BOTTOM DEPTH	4	6	10	3	5	6	7	8	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	87.2	85.4	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID	G-SB-91RE-8-D	G-SB-91RE-9	G-SB-91REA-3	G-SB-91REA-5	G-SB-91REA-7	G-SB-91REA-7-AVG	G-SB-91REA-7-D	G-SB-91REA-9	G-SB-91REB-3
SAMPLE DATE	20090930	20090930	20091030	20091030	20091030	20091030	20091030	20091030	20091102
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	7	7	9	3
BOTTOM DEPTH	8	9	3	5	7	7	7	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID	G-SB-91RE-8-D	G-SB-91RE-9	G-SB-91REA-3	G-SB-91REA-5	G-SB-91REA-7	G-SB-91REA-7-AVG	G-SB-91REA-7-D	G-SB-91REA-9	G-SB-91REB-3
SAMPLE DATE	20090930	20090930	20091030	20091030	20091030	20091030	20091030	20091030	20091102
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	7	7	9	3
BOTTOM DEPTH	8	9	3	5	7	7	7	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	288	1.4 U	1727	24	27	30	3684	37
BAP EQUIVALENT-POS	1.6 U	288	1.4 U	1727	23	26	29	3684	36
BENZO(A)ANTHRACENE	1.2 U	170	1 U	670	1.1 U	1.1 U	1.1 U	2800	22
BENZO(A)PYRENE	1.6 U	190	1.4 U	1200	23	23.5	24	2500	29
BENZO(B)FLUORANTHENE	1.5 U	210	1.3 U	1200	1.4 UJ	13.35	26 J	2600	46
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	87	1.9 U	440	2 U	2.25	3.5 J	1100	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID	G-SB-91RE-8-D	G-SB-91RE-9	G-SB-91REA-3	G-SB-91REA-5	G-SB-91REA-7	G-SB-91REA-7-AVG	G-SB-91REA-7-D	G-SB-91REA-9	G-SB-91REB-3
SAMPLE DATE	20090930	20090930	20091030	20091030	20091030	20091030	20091030	20091030	20091102
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	7	7	9	3
BOTTOM DEPTH	8	9	3	5	7	7	7	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	200	0.98 U	900	1.1 U	1.1 U	1.1 U	2800	21
DIBENZO(A,H)ANTHRACENE	1.6 U	46	1.4 U	250	1.6 U	1.55 U	1.5 U	480	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	130	1.6 U	850	1.8 UJ	11.95	23 J	1500	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	1033	0 U	5510	23	49.75	76.5	13780	118
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID	G-SB-91RE-8-D	G-SB-91RE-9	G-SB-91REA-3	G-SB-91REA-5	G-SB-91REA-7	G-SB-91REA-7-AVG	G-SB-91REA-7-D	G-SB-91REA-9	G-SB-91REB-3
SAMPLE DATE	20090930	20090930	20091030	20091030	20091030	20091030	20091030	20091030	20091102
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	7	7	9	3
BOTTOM DEPTH	8	9	3	5	7	7	7	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-091B	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID	G-SB-91REB-5	G-SB-91REB-7	G-SB-91REB-9	G-SB-91REC-3	G-SB-91REC-5	G-SB-91REC-7	G-SB-91REC-9	G-SB-92RE-10	G-SB-92RE-3
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	10	3
BOTTOM DEPTH	5	7	9	3	5	7	9	10	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-091B	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID	G-SB-91REB-5	G-SB-91REB-7	G-SB-91REB-9	G-SB-91REC-3	G-SB-91REC-5	G-SB-91REC-7	G-SB-91REC-9	G-SB-92RE-10	G-SB-92RE-3
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	10	3
BOTTOM DEPTH	5	7	9	3	5	7	9	10	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	359	1.5 U	1.5 U	1.6 U	443	73	217
BAP EQUIVALENT-POS	1.5 U	1.5 U	359	1.5 U	1.5 U	1.6 U	443	73	217
BENZO(A)ANTHRACENE	1.1 U	1.1 U	140	1.1 U	1.1 U	1.1 U	150	36	130
BENZO(A)PYRENE	1.5 U	1.5 U	290	1.5 U	1.5 U	1.6 U	320	39	140
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	310	1.4 U	1.4 U	1.4 U	330	42	140
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	130	2 U	2 U	2 U	150	17	73
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-091B	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID	G-SB-91REB-5	G-SB-91REB-7	G-SB-91REB-9	G-SB-91REC-3	G-SB-91REC-5	G-SB-91REC-7	G-SB-91REC-9	G-SB-92RE-10	G-SB-92RE-3
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	10	3
BOTTOM DEPTH	5	7	9	3	5	7	9	10	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	200	1.1 U	1.1 U	1.1 U	190	41	120
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.9 U	1.5 U	1.5 U	1.6 U	53	22	40
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	220	1.8 U	1.8 U	1.8 U	200	35	89
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	1290	0 U	0 U	0 U	1393	232	732
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	3.2	2.1
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091B	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID	G-SB-91REB-5	G-SB-91REB-7	G-SB-91REB-9	G-SB-91REC-3	G-SB-91REC-5	G-SB-91REC-7	G-SB-91REC-9	G-SB-92RE-10	G-SB-92RE-3
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	10	3
BOTTOM DEPTH	5	7	9	3	5	7	9	10	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092C
SAMPLE ID	G-SB-92RE-4	G-SB-92RE-5	G-SB-92RE-6	G-SB-92RE-7	G-SB-92RE-7-AVG	G-SB-92RE-7-D	G-SB-92RE-8	G-SB-92RE-9	G-SB-92REC-3
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	7	7	8	9	3
BOTTOM DEPTH	4	5	6	7	7	7	8	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092C
SAMPLE ID	G-SB-92RE-4	G-SB-92RE-5	G-SB-92RE-6	G-SB-92RE-7	G-SB-92RE-7-AVG	G-SB-92RE-7-D	G-SB-92RE-8	G-SB-92RE-9	G-SB-92REC-3
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	7	7	8	9	3
BOTTOM DEPTH	4	5	6	7	7	7	8	9	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	28	9028	988	70	66	62	1.5 U	23492	11
BAP EQUIVALENT-POS	28	9028	988	70	66	62	1.5 U	23492	10
BENZO(A)ANTHRACENE	11	5400	690	36	33.5	31	1.1 U	18000	8.8
BENZO(A)PYRENE	9.3	6100	680	41	37.5	34	1.5 U	16000	8.4
BENZO(B)FLUORANTHENE	12	7200	700	44	41	38	1.4 U	21000	10
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2200	330	20	18	16	2 U	3600	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092C
SAMPLE ID	G-SB-92RE-4	G-SB-92RE-5	G-SB-92RE-6	G-SB-92RE-7	G-SB-92RE-7-AVG	G-SB-92RE-7-D	G-SB-92RE-8	G-SB-92RE-9	G-SB-92REC-3
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	7	7	8	9	3
BOTTOM DEPTH	4	5	6	7	7	7	8	9	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	12	5700	690	45	41.5	38	1.1 U	16000	9.1
DIBENZO(A,H)ANTHRACENE	14	1300	130	17	17.5	18	1.5 U	2700	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	19	3400	350	35	33	31	1.8 U	8400	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	77.3	31300	3570	238	222	206	0 U	85700	36.3
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	4.1	3.2	6.9	8.5	6.9	5.3	1.6	8.3	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092C
SAMPLE ID	G-SB-92RE-4	G-SB-92RE-5	G-SB-92RE-6	G-SB-92RE-7	G-SB-92RE-7-AVG	G-SB-92RE-7-D	G-SB-92RE-8	G-SB-92RE-9	G-SB-92REC-3
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	7	7	8	9	3
BOTTOM DEPTH	4	5	6	7	7	7	8	9	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D	SB-092D	SB-181	SB-182
SAMPLE ID	G-SB-92REC-5	G-SB-92REC-7	G-SB-92REC-9	G-SB-92RED-3	G-SB-92RED-5	G-SB-92RED-7	G-SB-92RED-9	SB-181-05	SB-182-05
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20041102	20041102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	5	5
BOTTOM DEPTH	5	7	9	3	5	7	9	5	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D	SB-092D	SB-181	SB-182
SAMPLE ID	G-SB-92REC-5	G-SB-92REC-7	G-SB-92REC-9	G-SB-92RED-3	G-SB-92RED-5	G-SB-92RED-7	G-SB-92RED-9	SB-181-05	SB-182-05
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20041102	20041102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	5	5
BOTTOM DEPTH	5	7	9	3	5	7	9	5	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	386	1.5 U	31	23	1364	1.6 U	4718	NA	NA
BAP EQUIVALENT-POS	385	1.5 U	30	22	1364	1.6 U	4718	NA	NA
BENZO(A)ANTHRACENE	210	1.1 U	18	1.1 U	700	1.1 U	2800	NA	NA
BENZO(A)PYRENE	320	1.5 U	24	18	980	1.6 U	3200	NA	NA
BENZO(B)FLUORANTHENE	300	1.4 U	24	21	990	1.4 U	3400	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	83	2 U	13	2 U	480	2 U	1500	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D	SB-092D	SB-181	SB-182
SAMPLE ID	G-SB-92REC-5	G-SB-92REC-7	G-SB-92REC-9	G-SB-92RED-3	G-SB-92RED-5	G-SB-92RED-7	G-SB-92RED-9	SB-181-05	SB-182-05
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20041102	20041102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	5	5
BOTTOM DEPTH	5	7	9	3	5	7	9	5	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	240	1.1 U	25	1.1 U	840	1.1 U	3300	NA	NA
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	1.6 U	1.5 U	140	1.6 U	690	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	130	1.8 U	16	20	690	1.8 U	1900	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1283	0 U	120	59	4820	0 U	16790	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D	SB-092D	SB-181	SB-182
SAMPLE ID	G-SB-92REC-5	G-SB-92REC-7	G-SB-92REC-9	G-SB-92RED-3	G-SB-92RED-5	G-SB-92RED-7	G-SB-92RED-9	SB-181-05	SB-182-05
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20041102	20041102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	5	5
BOTTOM DEPTH	5	7	9	3	5	7	9	5	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	12000 U	12000 U
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-184	SB-185	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-192
SAMPLE ID	SB-184-05	SB-185-05	SB-186-05	SB-187-05	SB-188-05	SB-189-05	SB-190-05	SB-191-05	SB-192-05
SAMPLE DATE	20041103	20041103	20041103	20041105	20041105	20041105	20041109	20041109	20041109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	5	5	5	5
BOTTOM DEPTH	5	5	5	5	5	5	5	5	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	1 U	1 U	1 U	2	1 U	1 U	140	1 U	2
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1 U	1 U	1 U	3	1 U	1 U	19	1 U	1 U
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-184	SB-185	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-192
SAMPLE ID	SB-184-05	SB-185-05	SB-186-05	SB-187-05	SB-188-05	SB-189-05	SB-190-05	SB-191-05	SB-192-05
SAMPLE DATE	20041103	20041103	20041103	20041105	20041105	20041105	20041109	20041109	20041109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	5	5	5	5
BOTTOM DEPTH	5	5	5	5	5	5	5	5	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-184	SB-185	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-192
SAMPLE ID	SB-184-05	SB-185-05	SB-186-05	SB-187-05	SB-188-05	SB-189-05	SB-190-05	SB-191-05	SB-192-05
SAMPLE DATE	20041103	20041103	20041103	20041105	20041105	20041105	20041109	20041109	20041109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	5	5	5	5
BOTTOM DEPTH	5	5	5	5	5	5	5	5	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-184	SB-185	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-192
SAMPLE ID	SB-184-05	SB-185-05	SB-186-05	SB-187-05	SB-188-05	SB-189-05	SB-190-05	SB-191-05	SB-192-05
SAMPLE DATE	20041103	20041103	20041103	20041105	20041105	20041105	20041109	20041109	20041109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	5	5	5	5
BOTTOM DEPTH	5	5	5	5	5	5	5	5	5
DIESEL RANGE ORGANICS	12000 U	12000 U	12000 U	12000 U	12000 U	13000 U	12000 U	11000 U	32000
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-194	SB-194	SB-195	SB-195	SB-196	SB-196	SB-197	SB-197	SB-198
SAMPLE ID	SB-194-05	SB-194-10	SB-195-05	SB-195-10	SB-196-05	SB-196-10	SB-197-05	SB-197-10	SB-198-05
SAMPLE DATE	20050511	20050511	20050510	20050510	20050511	20050511	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,1,1-TRICHLOROETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,1,2,2-TETRACHLOROETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,1,2-TRICHLOROETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,1-DICHLOROETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,1-DICHLOROETHENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	0.54 J	2.5 U
1,1-DICHLOROPROPENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,2,3-TRICHLOROBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,2,3-TRICHLOROPROPANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,2,4-TRIMETHYLBENZENE	2.2 U	2.1 U	1.1 J	0.82 J	2.1 U	2.5 U	2.2 U	0.69 J	2.5 U
1,2-DIBROMO-3-CHLOROPROPANE	4.5 U	4.1 U	4.4 U	4.6 U	4.2 U	5 U	4.5 U	4.5 U	4.9 U
1,2-DIBROMOETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,2-DICHLOROBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,2-DICHLOROETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,2-DICHLOROPROPANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,3,5-TRIMETHYLBENZENE	2.24 U	2.07 U	2.18 U	2.3 U	2.12 U	2.5 U	2.24 U	2.26 U	2.46 U
1,3-DICHLOROBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,3-DICHLOROPROPANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,3-DICHLOROPROPENE	4.48 U	4.13 U	4.36 U	4.6 U	4.25 U	5 U	4.48 U	4.51 U	4.92 U
1,4-DICHLOROBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
1,4-DIOXANE	112 U	103 U	109 U	115 U	106 U	125 U	112 U	113 U	123 U
2,2-DICHLOROPROPANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
2-BUTANONE	8.96 U	8.26 U	8.73 U	9.2 U	3.58 J	3.64 J	3.85 J	9.03 U	8.17 J
2-CHLOROETHYL VINYL ETHER	2.2 UR	2.1 UR	2.2 UR	2.3 UR	2.1 UR	2.5 UR	2.2 UR	2.3 UR	2.5 UR
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	8.96 U	8.26 U	8.73 U	9.2 U	8.5 U	9.99 U	8.96 U	9.03 U	9.83 U
4-CHLOROTOLUENE	2.24 U	2.07 U	2.18 U	2.3 U	2.12 U	2.5 U	2.24 U	2.26 U	2.46 U
4-ISOPROPYLTOLUENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
4-METHYL-2-PENTANONE	9 U	8.3 U	8.7 U	9.2 U	8.5 U	10 U	9 U	9 U	9.8 U
ACETONE	8.8 J	13 J	6.8 J	3.6 J	39.5 J	38.5 J	51 J	7.6 J	89.6 J
BENZENE	2.24 U	2.07 U	2.18 U	2.3 U	2.12 U	2.5 U	2.24 U	2.26 U	2.46 U
BROMOBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
BROMOCHLOROMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
BROMODICHLOROMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
BROMOFORM	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
BROMOMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
CARBON DISULFIDE	2.2 U	2.1 U	1.2 J	2.3 U	2.1 U	2.1 J	0.83 J	0.68 J	0.76 J
CARBON TETRACHLORIDE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
CHLOROBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
CHLORODIBROMOMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
CHLOROETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
CHLOROFORM	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
CHLOROMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
CIS-1,2-DICHLOROETHENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
CIS-1,3-DICHLOROPROPENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
DIBROMOMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
DICHLORODIFLUOROMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
DIISOPROPYL ETHER	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
ETHYL TERT-BUTYL ETHER	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
ETHYLBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
FLUORODICHLOROMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
HEXACHLOROBUTADIENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
ISOPROPYLBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
M+P-XYLENES	4.5 U	4.1 U	4.4 U	4.6 U	4.2 U	5 U	4.5 U	4.5 U	4.9 U
METHYL TERT-BUTYL ETHER	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
METHYLENE CHLORIDE	4.5 U	4.1 U	4.4 U	4.6 U	4.2 U	5 U	4.5 U	4.5 U	4.9 U
NAPHTHALENE	2.2 U	2.1 U	0.62 J	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
N-BUTYLBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
N-PROPYLBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
O-XYLENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
SEC-BUTYLBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
STYRENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
TERT-AMYL METHYL ETHER	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
TERT-BUTYLBENZENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
TERTIARY-BUTYL ALCOHOL	9 U	8 U	9 U	9 U	8 U	10 U	9 U	7 J	10 U
TETRACHLOROETHENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
TOLUENE	3.8	1.4 J	2.8	2 J	2.1 U	3.9	1.6 J	1.2 J	2.5 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	6.7 U	6.2 U	6.5 U	6.9 U	6.4 U	7.5 U	6.7 U	6.8 U	7.4 U
TRANS-1,2-DICHLOROETHENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
TRANS-1,3-DICHLOROPROPENE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
TRICHLOROETHENE	2.2 U	2.1 U	0.98 J	0.92 J	2.1 U	1.1 J	0.62 J	1.3 J	2.5 U
TRICHLOROFLUOROMETHANE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
VINYL ACETATE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U

LOCATION	SB-194	SB-194	SB-195	SB-195	SB-196	SB-196	SB-197	SB-197	SB-198
SAMPLE ID	SB-194-05	SB-194-10	SB-195-05	SB-195-10	SB-196-05	SB-196-10	SB-197-05	SB-197-10	SB-198-05
SAMPLE DATE	20050511	20050511	20050510	20050510	20050511	20050511	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5
VINYL CHLORIDE	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
1,2-DICHLOROBENZENE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
1,3-DICHLOROBENZENE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
1,4-DICHLOROBENZENE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
1,4-DIOXANE	387 U	364 U	375 U	378 U	375 U	414 U	368 U	387 U	424 U
2,2'-OXYBIS(1-CHLOROPROPANE)	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
2,4,5-TRICHLOROPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
2,4,6-TRICHLOROPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
2,4-DICHLOROPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
2,4-DIMETHYLPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
2,4-DINITROPHENOL	587 U	551 U	568 U	572 U	567 U	627 U	557 U	587 U	642 U
2,4-DINITROTOLUENE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
2,6-DINITROTOLUENE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
2-CHLORONAPHTHALENE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
2-CHLOROPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
2-METHYLPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
2-NITROANILINE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
2-NITROPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
3&4-METHYLPHENOL	787 U	738 U	761 U	767 U	760 U	840 U	747 U	786 U	860 U
3,3'-DICHLOROBENZIDINE	200 U	187 U	193 UR	195 U	193 U	213 U	189 U	200 U	218 U
3-NITROANILINE	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
4,6-DINITRO-2-METHYLPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
4-BROMOPHENYL PHENYL ETHER	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
4-CHLORO-3-METHYLPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
4-CHLOROANILINE	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
4-CHLOROPHENYL PHENYL ETHER	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
4-NITROPHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	399 U	375 U	386 UR	389 U	386 U	426 U	379 U	399 U	436 U
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	787 U	738 U	761 UR	767 U	760 U	840 U	747 U	786 U	860 U
BENZOIC ACID	42.3 B	52.3 B	136 J	134 J	50.8 B	56.1 B	55.7 B	67.3 B	69.8 B
BENZYL ALCOHOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
BIS(2-CHLOROETHOXY)METHANE	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
BIS(2-CHLOROETHYL)ETHER	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
BIS(2-ETHYLHEXYL)PHTHALATE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
BUTYL BENZYL PHTHALATE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
DIBENZOFURAN	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
DIETHYL PHTHALATE	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
DIMETHYL PHTHALATE	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
DI-N-BUTYL PHTHALATE	47 B	51 B	193 U	195 U	36 B	39 B	189 U	200 U	34 B
DI-N-OCTYL PHTHALATE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
HEXACHLOROBENZENE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
HEXACHLOROBUTADIENE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
HEXACHLOROCYCLOPENTADIENE	399 U	375 U	386 UR	389 U	386 U	426 U	379 U	399 U	436 U
HEXACHLOROETHANE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
ISOPHORONE	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
NITROBENZENE	200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
N-NITROSODIMETHYLAMINE	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
N-NITROSO-DI-N-PROPYLAMINE	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
N-NITROSODIPHENYLAMINE	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
PENTACHLOROPHENOL	986 U	926 U	955 U	961 U	953 U	1050 U	936 U	986 U	1080 U
PHENOL	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
PYRIDINE	399 U	375 U	386 UR	389 U	386 U	426 U	379 U	399 U	436 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	82.2 U	77.1 U	79.6 U	80.1 U	79.4 U	87.7 U	78 U	82.2 U	89.9 U
2-METHYLNAPHTHALENE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
ACENAPHTHENE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
ACENAPHTHYLENE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
ANTHRACENE	82 U	77 U	130	80 U	38 J	88 U	38 J	82 U	90 U
BAP EQUIVALENT-HALFND	82 U	77 U	1814	296	500	144	355	82 U	109
BAP EQUIVALENT-POS	82 U	77 U	1814	256	500	100	355	82 U	55
BENZO(A)ANTHRACENE	82 U	77 U	1130	165	297	69 J	245	82 U	38 J
BENZO(A)PYRENE	82 U	77 U	1410	211	370	82 J	249	82 U	51 J
BENZO(B)FLUORANTHENE	82 U	77 U	1270 J	191	275	56 J	169	82 U	90 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	82 U	77 U	372	66 J	182	69 J	148	82 U	48 J
BENZO(K)FLUORANTHENE	82 U	77 U	1610	221	330	67 J	235	82 U	50 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-194	SB-194	SB-195	SB-195	SB-196	SB-196	SB-197	SB-197	SB-198
SAMPLE ID	SB-194-05	SB-194-10	SB-195-05	SB-195-10	SB-196-05	SB-196-10	SB-197-05	SB-197-10	SB-198-05
SAMPLE DATE	20050511	20050511	20050510	20050510	20050511	20050511	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	82 U	77 U	1390	197	384	85 J	306	82 U	48 J
DIBENZO(A,H)ANTHRACENE	82 U	77 U	108	80 U	53 J	88 U	49 J	82 U	90 U
FLUORANTHENE	82 U	77 U	1470	205	486	105	424	82 U	49 J
FLUORENE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
INDENO(1,2,3-CD)PYRENE	82 U	77 U	387	69 J	162	50 J	134	82 U	90 U
NAPHTHALENE	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
PHENANTHRENE	82 U	77 U	433	51 J	111	88 U	191	82 U	90 U
PYRENE	82 U	77 U	1900	319	639	121	521	82 U	55 J
TOTAL PAHS	0 U	0 U	11610	1695	3327	704	2709	0 U	339
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	38 U	37 U	32 U	33 U	37 U	43 U	36 U	39 U	43 U
AROCLOR-1221	38 U	37 U	32 U	33 U	37 U	43 U	36 U	39 U	43 U
AROCLOR-1232	38 U	37 U	32 U	33 U	37 U	43 U	36 U	39 U	43 U
AROCLOR-1242	38 U	37 U	32 U	33 U	37 U	43 U	36 U	39 U	43 U
AROCLOR-1248	38 U	37 U	32 U	33 U	37 U	43 U	36 U	39 U	43 U
AROCLOR-1254	38 U	37 U	32 U	33 U	37 U	43 U	36 U	39 U	43 U
AROCLOR-1260	38 U	37 U	8.1 J	14 J	37 U	43 U	36 U	39 U	43 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	8.1	14	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.2 UL	0.4 L	0.3 U	0.3 U	0.3 UL	0.3 L	0.3 UL	0.3 UL	0.3 UL
ARSENIC	5	1 B	4	5	2 B	1 B	5	5	5 B
BARIUM	3	3	21	25	18	21	29	33	35
BERYLLIUM	0.5	0.2	0.8	0.7	0.6	0.6	0.6	1.8	3.9
CADMIUM	0.1 B	0.08 B	0.2 B	0.2 B	0.2 B	0.1 B	0.2 B	0.3 B	0.7 B
CHROMIUM	8.9	6.9	27.9	29.1	16.2	12.5	12.2	32.1	40
COBALT	5.3	2.8	9.3	13.4	4	2.9	68.1	14	11 B
COPPER	8	4	25	18	10	9	11	13	25
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	2	1 B	9	11	5	4	8	12	18
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.01	0.02	0.009	0.008	0.008	0.009	0.007	0.007	0.03
MOLYBDENUM	0.3 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
NICKEL	5	3	17	13	8	5	9	25	49
SELENIUM	1	1 U	2 U	2 U	3	2 U	2 U	2 U	11 U
SILVER	0.03 U	0.04 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.3 U
THALLIUM	0.6 U	0.7 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
VANADIUM	18.7	13.9	68.1	72.7	32.5	20.1	25.1	46.3	52.6
ZINC	21	8	16	12	16	9	21	43	145
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-194	SB-194	SB-195	SB-195	SB-196	SB-196	SB-197	SB-197	SB-198
SAMPLE ID	SB-194-05	SB-194-10	SB-195-05	SB-195-10	SB-196-05	SB-196-10	SB-197-05	SB-197-10	SB-198-05
SAMPLE DATE	20050511	20050511	20050510	20050510	20050511	20050511	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5
DIESEL RANGE ORGANICS	5100 J	1900 J	92300	37700	55700	33800	50200	840 J	12300
GASOLINE RANGE ORGANICS	10300 U	8200 U	11200 U	10700 U	10600 U	12600 U	10800 U	11800 U	12800 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	0.35 U	0.35 U	NA	NA	NA	0.4 U	0.4 U
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	5.7	7	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-198	SB-199	SB-199	SB-262	SB-262	SB-263	SB-263	SB-264	SB-264
SAMPLE ID	SB-198-10	SB-199-05	SB-199-10	SB-262-05	SB-262-10	SB-263-05	SB-263-10	SB-264-05	SB-264-10
SAMPLE DATE	20050511	20050511	20050511	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10	5	10
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	3.9 U	4.3 U	4.6 U	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	1.93 U	2.17 U	2.32 U	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	3.86 U	4.34 U	4.64 U	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	96.6 U	109 U	116 U	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
2-BUTANONE	7.73 U	8.68 U	8.24 J	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	1.9 UR	2.2 UR	2.3 UR	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	7.73 U	8.68 U	9.28 U	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	1.93 U	2.17 U	2.32 U	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	7.7 U	8.7 U	9.3 U	NA	NA	NA	NA	NA	NA
ACETONE	12 J	8.9 J	38.4 J	NA	NA	NA	NA	NA	NA
BENZENE	1.93 U	2.17 U	2.32 U	121 U	101 U	113 U	114 U	108 U	119 U
BROMOBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
BROMOFORM	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
BROMOMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	1.9 U	1.2 J	2 J	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
CHLOROETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
CHLOROFORM	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	1.9 U	2.2 U	2.3 U	121 U	101 U	113 U	114 U	108 U	119 U
FLUORODICHLOROMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
M+P-XYLENES	3.9 U	4.3 U	4.6 U	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	3.9 U	4.3 U	4.6 U	NA	NA	NA	NA	NA	NA
NAPHTHALENE	1.9 U	10.3	2.3 U	362 U	303 U	339 U	342 U	323 U	357 U
N-BUTYLBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
O-XYLENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
STYRENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	8 U	6 J	9 U	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
TOLUENE	1.2 J	4.2	1.1 J	121 U	101 U	113 U	114 U	108 U	119 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	5.8 U	6.5 U	7 U	362 U	303 U	339 U	342 U	323 U	357 U
TRANS-1,2-DICHLOROETHENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1.9 U	1.5 J	0.82 J	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
VINYL ACETATE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA

LOCATION	SB-198	SB-199	SB-199	SB-262	SB-262	SB-263	SB-263	SB-264	SB-264
SAMPLE ID	SB-198-10	SB-199-05	SB-199-10	SB-262-05	SB-262-10	SB-263-05	SB-263-10	SB-264-05	SB-264-10
SAMPLE DATE	20050511	20050511	20050511	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10	5	10
VINYL CHLORIDE	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	398 U	383 U	402 U	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	602 U	580 U	609 U	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	84 U	81 U	85 U	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	84 U	81 U	85 U	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
2-NITROANILINE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	807 U	778 U	816 U	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
3-NITROANILINE	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	807 U	778 U	816 U	NA	NA	NA	NA	NA	NA
BENZOIC ACID	54.7 B	64.8 B	70.8 B	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	84 U	81 U	85 U	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	205 U	51 J	207 U	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	120 U	34 J	122 U	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	205 U	197 U	36 B	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	84 U	81 U	85 U	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
ISOPHORONE	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
NITROBENZENE	205 U	197 U	207 U	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	120 U	116 U	122 U	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	1010 U	975 U	1020 U	NA	NA	NA	NA	NA	NA
PHENOL	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
PYRIDINE	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	84.3 U	75.7 J	85.2 U	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	84 U	48 J	85 U	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	84 U	75 J	85 U	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	84 U	45 J	85 U	NA	NA	NA	NA	NA	NA
ANTHRACENE	84 U	315	85 U	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	84 U	918	98	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	84 U	918	0.021	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	84 U	838	85 U	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	84 U	671	85 U	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	84 U	610	85 U	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	84 U	191	85 U	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	84 U	682	85 U	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-198	SB-199	SB-199	SB-262	SB-262	SB-263	SB-263	SB-264	SB-264
SAMPLE ID	SB-198-10	SB-199-05	SB-199-10	SB-262-05	SB-262-10	SB-263-05	SB-263-10	SB-264-05	SB-264-10
SAMPLE DATE	20050511	20050511	20050511	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10	5	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	84 U	965	21 J	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	84 U	75 J	85 U	NA	NA	NA	NA	NA	NA
FLUORANTHENE	84 U	1640	37 J	NA	NA	NA	NA	NA	NA
FLUORENE	84 U	200	85 U	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	84 U	198	85 U	NA	NA	NA	NA	NA	NA
NAPHTHALENE	84 U	81 U	85 U	NA	NA	NA	NA	NA	NA
PHENANTHRENE	84 U	2310	23 J	NA	NA	NA	NA	NA	NA
PYRENE	84 U	1950	85 U	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	10813	81	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	40 U	38 U	40 U	NA	NA	NA	NA	NA	NA
AROCLOR-1221	40 U	38 U	40 U	NA	NA	NA	NA	NA	NA
AROCLOR-1232	40 U	38 U	40 U	NA	NA	NA	NA	NA	NA
AROCLOR-1242	40 U	38 U	40 U	NA	NA	NA	NA	NA	NA
AROCLOR-1248	40 U	38 U	40 U	NA	NA	NA	NA	NA	NA
AROCLOR-1254	40 U	38 U	40 U	NA	NA	NA	NA	NA	NA
AROCLOR-1260	40 U	38 U	40 U	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.3 UL	0.3 UL	0.7 L	NA	NA	NA	NA	NA	NA
ARSENIC	6	3 B	2 B	NA	NA	NA	NA	NA	NA
BARIUM	24	16	20	NA	NA	NA	NA	NA	NA
BERYLLIUM	3.5	0.6	1.5	NA	NA	NA	NA	NA	NA
CADMIUM	0.4	0.2 B	0.1 B	NA	NA	NA	NA	NA	NA
CHROMIUM	35.7	16.3	21.7	NA	NA	NA	NA	NA	NA
COBALT	7.6	5.6	12.1	NA	NA	NA	NA	NA	NA
COPPER	47	11	13	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	11	5	4	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.009	0.01	0.01	NA	NA	NA	NA	NA	NA
MOLYBDENUM	0.6 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA
NICKEL	35	7	22	NA	NA	NA	NA	NA	NA
SELENIUM	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA
SILVER	0.06 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA
THALLIUM	1 U	1 U	0.9 U	NA	NA	NA	NA	NA	NA
VANADIUM	59	36.7	38.1	NA	NA	NA	NA	NA	NA
ZINC	86	15	20	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-198	SB-199	SB-199	SB-262	SB-262	SB-263	SB-263	SB-264	SB-264
SAMPLE ID	SB-198-10	SB-199-05	SB-199-10	SB-262-05	SB-262-10	SB-263-05	SB-263-10	SB-264-05	SB-264-10
SAMPLE DATE	20050511	20050511	20050511	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10	5	10
DIESEL RANGE ORGANICS	5300 J	105000	17500	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	11900 U	11200 U	11400 U	12100 U	10100 U	11300 U	11400 U	176000	11900 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	0.4 U	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-410	SB-410	SB-410	SB-410	SB-411	SB-411	SB-411	SB-411	SB-412
SAMPLE ID	SB-410-0203	SB-410-0304	SB-410-0506	SB-410-0708	SB-411-0203	SB-411-0304	SB-411-0506	SB-411-0708	SB-412-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-410	SB-410	SB-410	SB-410	SB-411	SB-411	SB-411	SB-411	SB-412
SAMPLE ID	SB-410-0203	SB-410-0304	SB-410-0506	SB-410-0708	SB-411-0203	SB-411-0304	SB-411-0506	SB-411-0708	SB-412-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	10	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	820	1.5 U	1.6 U
BAP EQUIVALENT-POS	10	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	820	1.5 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	10 J	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	820	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-410	SB-410	SB-410	SB-410	SB-411	SB-411	SB-411	SB-411	SB-412
SAMPLE ID	SB-410-0203	SB-410-0304	SB-410-0506	SB-410-0708	SB-411-0203	SB-411-0304	SB-411-0506	SB-411-0708	SB-412-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	10	0 U	0 U	0 U	0 U	0 U	820	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-410	SB-410	SB-410	SB-410	SB-411	SB-411	SB-411	SB-411	SB-412
SAMPLE ID	SB-410-0203	SB-410-0304	SB-410-0506	SB-410-0708	SB-411-0203	SB-411-0304	SB-411-0506	SB-411-0708	SB-412-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	91.2	90.2	84.5	83.9	84.5	84.7	82	84.2	83.7
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-412	SB-412	SB-412	SB-413	SB-413	SB-413	SB-413	SB-414	SB-414
SAMPLE ID	SB-412-0304	SB-412-0506	SB-412-0708	SB-413-0203	SB-413-0304	SB-413-0506	SB-413-0708	SB-414-0203	SB-414-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-412	SB-412	SB-412	SB-413	SB-413	SB-413	SB-413	SB-414	SB-414
SAMPLE ID	SB-412-0304	SB-412-0506	SB-412-0708	SB-413-0203	SB-413-0304	SB-413-0506	SB-413-0708	SB-414-0203	SB-414-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	16	1.6 U	27	43	1.6 U	1.6 U	160	15 U
BAP EQUIVALENT-POS	1.6 U	16	1.6 U	27	43	1.6 U	1.6 U	160	15 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	16 J	1.6 U	27 J	43 J	1.6 U	1.6 U	160 J	15 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-412	SB-412	SB-412	SB-413	SB-413	SB-413	SB-413	SB-414	SB-414
SAMPLE ID	SB-412-0304	SB-412-0506	SB-412-0708	SB-413-0203	SB-413-0304	SB-413-0506	SB-413-0708	SB-414-0203	SB-414-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	16	0 U	27	43	0 U	0 U	160	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-412	SB-412	SB-412	SB-413	SB-413	SB-413	SB-413	SB-414	SB-414
SAMPLE ID	SB-412-0304	SB-412-0506	SB-412-0708	SB-413-0203	SB-413-0304	SB-413-0506	SB-413-0708	SB-414-0203	SB-414-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	83.6	68.6	81.7	83.7	85.5	82	81.3	88.2	86.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-414	SB-414	SB-415	SB-415	SB-415	SB-415	SB-416	SB-416	SB-416
SAMPLE ID	SB-414-0506	SB-414-0708	SB-415-0203	SB-415-0304	SB-415-0506	SB-415-0708	SB-416-0203	SB-416-0304	SB-416-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-414	SB-414	SB-415	SB-415	SB-415	SB-415	SB-416	SB-416	SB-416
SAMPLE ID	SB-414-0506	SB-414-0708	SB-415-0203	SB-415-0304	SB-415-0506	SB-415-0708	SB-416-0203	SB-416-0304	SB-416-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	9.5	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.6 U	9.5	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.6 U	9.5 J	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-414	SB-414	SB-415	SB-415	SB-415	SB-415	SB-416	SB-416	SB-416
SAMPLE ID	SB-414-0506	SB-414-0708	SB-415-0203	SB-415-0304	SB-415-0506	SB-415-0708	SB-416-0203	SB-416-0304	SB-416-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	9.5	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-414	SB-414	SB-415	SB-415	SB-415	SB-415	SB-416	SB-416	SB-416
SAMPLE ID	SB-414-0506	SB-414-0708	SB-415-0203	SB-415-0304	SB-415-0506	SB-415-0708	SB-416-0203	SB-416-0304	SB-416-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	79.3	82.1	87.8	85.4	84.5	81.9	80.5	79.6	85
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-416	SB-417	SB-417	SB-417	SB-417	SB-418	SB-418	SB-418	SB-418
SAMPLE ID	SB-416-0708	SB-417-0203	SB-417-0304	SB-417-0506	SB-417-0708	SB-418-0203	SB-418-0304	SB-418-0506	SB-418-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-416	SB-417	SB-417	SB-417	SB-417	SB-418	SB-418	SB-418	SB-418
SAMPLE ID	SB-416-0708	SB-417-0203	SB-417-0304	SB-417-0506	SB-417-0708	SB-418-0203	SB-418-0304	SB-418-0506	SB-418-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	32	1.4 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	32	1.4 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	32 J	1.4 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-416	SB-417	SB-417	SB-417	SB-417	SB-418	SB-418	SB-418	SB-418
SAMPLE ID	SB-416-0708	SB-417-0203	SB-417-0304	SB-417-0506	SB-417-0708	SB-418-0203	SB-418-0304	SB-418-0506	SB-418-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	32	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-416	SB-417	SB-417	SB-417	SB-417	SB-418	SB-418	SB-418	SB-418
SAMPLE ID	SB-416-0708	SB-417-0203	SB-417-0304	SB-417-0506	SB-417-0708	SB-418-0203	SB-418-0304	SB-418-0506	SB-418-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	82.5	87.8	85.7	83.4	80.5	91.3	91.4	86.3	85.5
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-419	SB-419	SB-419	SB-419
SAMPLE ID	SB-419-0203	SB-419-0304	SB-419-0506	SB-419-0708
SAMPLE DATE	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
VOLATILES (UG/KG)				
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA

LOCATION	SB-419	SB-419	SB-419	SB-419
SAMPLE ID	SB-419-0203	SB-419-0304	SB-419-0506	SB-419-0708
SAMPLE DATE	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)				
1,1-BIPHENYL	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-419	SB-419	SB-419	SB-419
SAMPLE ID	SB-419-0203	SB-419-0304	SB-419-0506	SB-419-0708
SAMPLE DATE	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA
METALS (MG/KG)				
ANTIMONY	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA
COBALT	NA	NA	NA	NA
COPPER	NA	NA	NA	NA
IRON	NA	NA	NA	NA
LEAD	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA
SILVER	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA
ZINC	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)				

LOCATION	SB-419	SB-419	SB-419	SB-419
SAMPLE ID	SB-419-0203	SB-419-0304	SB-419-0506	SB-419-0708
SAMPLE DATE	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	84.4	89.4	85.7	89.1
TOTAL SOLIDS	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)				
PH	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)				
ACTINIUM-228	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-420	SB-420	SB-420	SB-420	SB-421	SB-421	SB-421	SB-421	SB-422
SAMPLE ID	SB-420-0203	SB-420-0304	SB-420-0506	SB-420-0708	SB-421-0203	SB-421-0304	SB-421-0506	SB-421-0708	SB-422-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-420	SB-420	SB-420	SB-420	SB-421	SB-421	SB-421	SB-421	SB-422
SAMPLE ID	SB-420-0203	SB-420-0304	SB-420-0506	SB-420-0708	SB-421-0203	SB-421-0304	SB-421-0506	SB-421-0708	SB-422-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.4 U	1.4 U	1.5 U	1.6 U	10	1.6 U	1.5 U	1.6 U	1.4 U
BAP EQUIVALENT-POS	1.4 U	1.4 U	1.5 U	1.6 U	10	1.6 U	1.5 U	1.6 U	1.4 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.4 U	1.4 U	1.5 U	1.6 U	10 J	1.6 U	1.5 U	1.6 U	1.4 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-420	SB-420	SB-420	SB-420	SB-421	SB-421	SB-421	SB-421	SB-422
SAMPLE ID	SB-420-0203	SB-420-0304	SB-420-0506	SB-420-0708	SB-421-0203	SB-421-0304	SB-421-0506	SB-421-0708	SB-422-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	10	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-420	SB-420	SB-420	SB-420	SB-421	SB-421	SB-421	SB-421	SB-422
SAMPLE ID	SB-420-0203	SB-420-0304	SB-420-0506	SB-420-0708	SB-421-0203	SB-421-0304	SB-421-0506	SB-421-0708	SB-422-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	91.7	92.8	88.3	83.6	84.4	83.3	84.6	83	91.4
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-422	SB-422	SB-422	SB-423	SB-423	SB-423	SB-423	SB-424	SB-424
SAMPLE ID	SB-422-0304	SB-422-0506	SB-422-0708	SB-423-0203	SB-423-0304	SB-423-0506	SB-423-0708	SB-424-0203	SB-424-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-422	SB-422	SB-422	SB-423	SB-423	SB-423	SB-423	SB-424	SB-424
SAMPLE ID	SB-422-0304	SB-422-0506	SB-422-0708	SB-423-0203	SB-423-0304	SB-423-0506	SB-423-0708	SB-424-0203	SB-424-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.4 U	61	1.5 U	18	1.5 U	1.4 U	1.6 U	4000	1600
BAP EQUIVALENT-POS	1.4 U	61	1.5 U	18	1.5 U	1.4 U	1.6 U	4000	1600
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.4 U	61 J	1.5 U	18 J	1.5 U	1.4 U	1.6 U	4000	1600
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-422	SB-422	SB-422	SB-423	SB-423	SB-423	SB-423	SB-424	SB-424
SAMPLE ID	SB-422-0304	SB-422-0506	SB-422-0708	SB-423-0203	SB-423-0304	SB-423-0506	SB-423-0708	SB-424-0203	SB-424-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	61	0 U	18	0 U	0 U	0 U	4000	1600
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-422	SB-422	SB-422	SB-423	SB-423	SB-423	SB-423	SB-424	SB-424
SAMPLE ID	SB-422-0304	SB-422-0506	SB-422-0708	SB-423-0203	SB-423-0304	SB-423-0506	SB-423-0708	SB-424-0203	SB-424-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	90.2	86.7	86.7	87.9	85.8	91.3	82.6	90.6	91
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-424	SB-424	SB-425	SB-425	SB-425	SB-425	SB-426	SB-426	SB-426
SAMPLE ID	SB-424-0506	SB-424-0708	SB-425-0203	SB-425-0304	SB-425-0506	SB-425-0708	SB-426-0203	SB-426-0304	SB-426-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-424	SB-424	SB-425	SB-425	SB-425	SB-425	SB-426	SB-426	SB-426
SAMPLE ID	SB-424-0506	SB-424-0708	SB-425-0203	SB-425-0304	SB-425-0506	SB-425-0708	SB-426-0203	SB-426-0304	SB-426-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	19	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.6 U
BAP EQUIVALENT-POS	19	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	19 J	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-424	SB-424	SB-425	SB-425	SB-425	SB-425	SB-426	SB-426	SB-426
SAMPLE ID	SB-424-0506	SB-424-0708	SB-425-0203	SB-425-0304	SB-425-0506	SB-425-0708	SB-426-0203	SB-426-0304	SB-426-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	19	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-424	SB-424	SB-425	SB-425	SB-425	SB-425	SB-426	SB-426	SB-426
SAMPLE ID	SB-424-0506	SB-424-0708	SB-425-0203	SB-425-0304	SB-425-0506	SB-425-0708	SB-426-0203	SB-426-0304	SB-426-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	84.5	84.1	92.1	89.6	86.3	84.1	84.1	90.1	83.5
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-426	SB-427	SB-427	SB-427	SB-427	SB-428	SB-428	SB-428	SB-428
SAMPLE ID	SB-426-0708	SB-427-0203	SB-427-0304	SB-427-0506	SB-427-0708	SB-428-0203	SB-428-0304	SB-428-0506	SB-428-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-426	SB-427	SB-427	SB-427	SB-427	SB-428	SB-428	SB-428	SB-428
SAMPLE ID	SB-426-0708	SB-427-0203	SB-427-0304	SB-427-0506	SB-427-0708	SB-428-0203	SB-428-0304	SB-428-0506	SB-428-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.7 U	960	1.6 U	1.5 U	1.6 U	1.5 U	35	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.7 U	960	1.6 U	1.5 U	1.6 U	1.5 U	35	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.7 U	960	1.6 U	1.5 U	1.6 U	1.5 U	35 J	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-426	SB-427	SB-427	SB-427	SB-427	SB-428	SB-428	SB-428	SB-428
SAMPLE ID	SB-426-0708	SB-427-0203	SB-427-0304	SB-427-0506	SB-427-0708	SB-428-0203	SB-428-0304	SB-428-0506	SB-428-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	960	0 U	0 U	0 U	0 U	35	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-426	SB-427	SB-427	SB-427	SB-427	SB-428	SB-428	SB-428	SB-428
SAMPLE ID	SB-426-0708	SB-427-0203	SB-427-0304	SB-427-0506	SB-427-0708	SB-428-0203	SB-428-0304	SB-428-0506	SB-428-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	78.5	93.3	81.7	85.8	83.6	88	87.6	87.6	86.5
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-429	SB-429	SB-429	SB-429	SB-430	SB-430	SB-430	SB-430	SB-431
SAMPLE ID	SB-429-0203	SB-429-0304	SB-429-0506	SB-429-0708	SB-430-0203	SB-430-0304	SB-430-0506	SB-430-0708	SB-431-0203
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-429	SB-429	SB-429	SB-429	SB-430	SB-430	SB-430	SB-430	SB-431
SAMPLE ID	SB-429-0203	SB-429-0304	SB-429-0506	SB-429-0708	SB-430-0203	SB-430-0304	SB-430-0506	SB-430-0708	SB-431-0203
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.4 U	1.4 U	1.4 U	1.5 U	17	1.4 U	8.9	14	93
BAP EQUIVALENT-POS	1.4 U	1.4 U	1.4 U	1.5 U	17	1.4 U	8.9	14	93
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.4 U	1.4 U	1.4 U	1.5 U	17 J	1.4 U	8.9 J	14 J	93 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-429	SB-429	SB-429	SB-429	SB-430	SB-430	SB-430	SB-430	SB-431
SAMPLE ID	SB-429-0203	SB-429-0304	SB-429-0506	SB-429-0708	SB-430-0203	SB-430-0304	SB-430-0506	SB-430-0708	SB-431-0203
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	17	0 U	8.9	14	93
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-429	SB-429	SB-429	SB-429	SB-430	SB-430	SB-430	SB-430	SB-431
SAMPLE ID	SB-429-0203	SB-429-0304	SB-429-0506	SB-429-0708	SB-430-0203	SB-430-0304	SB-430-0506	SB-430-0708	SB-431-0203
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	94.5	92.1	90.2	86.9	92.1	93	85.3	83.1	90.5
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-431	SB-431	SB-431	SB-432	SB-432	SB-432	SB-432	SB-433	SB-433
SAMPLE ID	SB-431-0304	SB-431-0506	SB-431-0708	SB-432-0203	SB-432-0304	SB-432-0506	SB-432-0708	SB-433-0203	SB-433-0304
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-431	SB-431	SB-431	SB-432	SB-432	SB-432	SB-432	SB-433	SB-433
SAMPLE ID	SB-431-0304	SB-431-0506	SB-431-0708	SB-432-0203	SB-432-0304	SB-432-0506	SB-432-0708	SB-433-0203	SB-433-0304
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	8.3	1.5 U	1.8 U	1.5 U	1.4 U	1.5 U	1.5 U	17	1.4 U
BAP EQUIVALENT-POS	8.3	1.5 U	1.8 U	1.5 U	1.4 U	1.5 U	1.5 U	17	1.4 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	8.3 J	1.5 U	1.8 U	1.5 U	1.4 U	1.5 U	1.5 U	17 J	1.4 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-431	SB-431	SB-431	SB-432	SB-432	SB-432	SB-432	SB-433	SB-433
SAMPLE ID	SB-431-0304	SB-431-0506	SB-431-0708	SB-432-0203	SB-432-0304	SB-432-0506	SB-432-0708	SB-433-0203	SB-433-0304
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	8.3	0 U	0 U	0 U	0 U	0 U	0 U	17	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-431	SB-431	SB-431	SB-432	SB-432	SB-432	SB-432	SB-433	SB-433
SAMPLE ID	SB-431-0304	SB-431-0506	SB-431-0708	SB-432-0203	SB-432-0304	SB-432-0506	SB-432-0708	SB-433-0203	SB-433-0304
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	87.2	86.1	73	89.2	92.5	85.6	85.6	94.7	94.4
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-433	SB-433	SB-434	SB-434	SB-434	SB-434	SB-435	SB-435	SB-435
SAMPLE ID	SB-433-0506	SB-433-0708	SB-434-0203	SB-434-0304	SB-434-0506	SB-434-0708	SB-435-0203	SB-435-0304	SB-435-0506
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-433	SB-433	SB-434	SB-434	SB-434	SB-434	SB-435	SB-435	SB-435
SAMPLE ID	SB-433-0506	SB-433-0708	SB-434-0203	SB-434-0304	SB-434-0506	SB-434-0708	SB-435-0203	SB-435-0304	SB-435-0506
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.4 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	13	1.6 U
BAP EQUIVALENT-POS	1.4 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	13	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.4 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	13 J	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-433	SB-433	SB-434	SB-434	SB-434	SB-434	SB-435	SB-435	SB-435
SAMPLE ID	SB-433-0506	SB-433-0708	SB-434-0203	SB-434-0304	SB-434-0506	SB-434-0708	SB-435-0203	SB-435-0304	SB-435-0506
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	13	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-433	SB-433	SB-434	SB-434	SB-434	SB-434	SB-435	SB-435	SB-435
SAMPLE ID	SB-433-0506	SB-433-0708	SB-434-0203	SB-434-0304	SB-434-0506	SB-434-0708	SB-435-0203	SB-435-0304	SB-435-0506
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	93.7	87.4	86.5	86.5	82.6	83	86.9	85	82
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-435	SB-436	SB-436	SB-436	SB-436	SB-437	SB-437	SB-437	SB-437
SAMPLE ID	SB-435-0708	SB-436-0203	SB-436-0304	SB-436-0506	SB-436-0708	SB-437-0203	SB-437-0304	SB-437-0506	SB-437-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-435	SB-436	SB-436	SB-436	SB-436	SB-437	SB-437	SB-437	SB-437
SAMPLE ID	SB-435-0708	SB-436-0203	SB-436-0304	SB-436-0506	SB-436-0708	SB-437-0203	SB-437-0304	SB-437-0506	SB-437-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	17	9.2	18	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	1.6 U	17	9.2	18	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	17 J	9.2 J	18 J	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-435	SB-436	SB-436	SB-436	SB-436	SB-437	SB-437	SB-437	SB-437
SAMPLE ID	SB-435-0708	SB-436-0203	SB-436-0304	SB-436-0506	SB-436-0708	SB-437-0203	SB-437-0304	SB-437-0506	SB-437-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	17	9.2	18	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-435	SB-436	SB-436	SB-436	SB-436	SB-437	SB-437	SB-437	SB-437
SAMPLE ID	SB-435-0708	SB-436-0203	SB-436-0304	SB-436-0506	SB-436-0708	SB-437-0203	SB-437-0304	SB-437-0506	SB-437-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	82.9	87.5	90.6	88	86.2	88.6	84.8	83.6	80.5
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-438	SB-438	SB-438	SB-438	SB-439	SB-439	SB-439	SB-439
SAMPLE ID	SB-438-0203	SB-438-0304	SB-438-0506	SB-438-0708	SB-439-0203	SB-439-0304	SB-439-0506	SB-439-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7
BOTTOM DEPTH	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-438	SB-438	SB-438	SB-438	SB-439	SB-439	SB-439	SB-439
SAMPLE ID	SB-438-0203	SB-438-0304	SB-438-0506	SB-438-0708	SB-439-0203	SB-439-0304	SB-439-0506	SB-439-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7
BOTTOM DEPTH	3	4	6	8	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.4 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.4 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.5 U	1.4 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-438	SB-438	SB-438	SB-438	SB-439	SB-439	SB-439	SB-439
SAMPLE ID	SB-438-0203	SB-438-0304	SB-438-0506	SB-438-0708	SB-439-0203	SB-439-0304	SB-439-0506	SB-439-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7
BOTTOM DEPTH	3	4	6	8	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-438	SB-438	SB-438	SB-438	SB-439	SB-439	SB-439	SB-439
SAMPLE ID	SB-438-0203	SB-438-0304	SB-438-0506	SB-438-0708	SB-439-0203	SB-439-0304	SB-439-0506	SB-439-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7
BOTTOM DEPTH	3	4	6	8	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	87.7	84.9	89.9	83.3	86.2	77.9	81.2	79.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-081	SB-082	SB-083	SB-084	SB-085	SB-085	SB-086	SB-086
SAMPLE ID	SB-81-05	SB-82-05	SB-83-05	SB-84-05	SB-85-05	SB-85-10	SB-86-05	SB-86-10
SAMPLE DATE	20041109	20041109	20041102	20041103	20041105	20041115	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	10	5	10
BOTTOM DEPTH	5	5	5	5	5	10	5	10
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,1,1-TRICHLOROETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,1,2,2-TETRACHLOROETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,1,2-TRICHLOROETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,1,2-TRICHLOROTRIFLUOROETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,1-DICHLOROETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,1-DICHLOROETHENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,1-DICHLOROPROPENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2,3-TRICHLOROBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2,3-TRICHLOROPROPANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2,4-TRIMETHYLBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2-DIBROMO-3-CHLOROPROPANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2-DIBROMOETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2-DICHLOROBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2-DICHLOROETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,2-DICHLOROPROPANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,3,5-TRIMETHYLBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,3-DICHLOROBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,3-DICHLOROPROPANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
2-BUTANONE	57 UJ	60 U	60 UJ	530 UJ	610 UJ	57 UL	57 UL	56 UL
2-CHLOROETHYL VINYL ETHER	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
2-CHLOROTOLUENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
2-HEXANONE	57 UJ	60 U	60 UJ	530 UJ	610 UJ	57 UL	57 UL	56 UL
4-CHLOROTOLUENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
4-ISOPROPYLTOLUENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
4-METHYL-2-PENTANONE	57 UJ	60 U	60 UJ	530 UJ	610 UJ	57 UL	57 UL	56 UL
ACETONE	57 UJ	60 U	60 UJ	530 UJ	610 UJ	57 UL	57 UL	56 UL
BENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
BROMOBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
BROMOCHLOROMETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
BROMODICHLOROMETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
BROMOFORM	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
BROMOMETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CARBON DISULFIDE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CARBON TETRACHLORIDE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CHLOROBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CHLORODIBROMOMETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CHLOROETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CHLOROFORM	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CHLOROMETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CIS-1,2-DICHLOROETHENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
CIS-1,3-DICHLOROPROPENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
DIBROMOMETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
DICHLORODIFLUOROMETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 UJ	6 U	6 UJ	990 J	61 UJ	6 UL	6 UL	6 UL
M+P-XYLENES	11 UJ	12 U	12 UJ	110 UJ	120 UJ	11 UL	11 UL	11 UL
METHYL TERT-BUTYL ETHER	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
METHYLENE CHLORIDE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	8 J	10 J	10 J
NAPHTHALENE	6 UJ	6 U	6 UJ	620 J	160 J	6 UL	6 UL	6 UL
N-BUTYLBENZENE	6 UJ	6 U	6 UJ	850 J	61 UJ	6 UL	6 UL	6 UL
N-PROPYLBENZENE	6 UJ	6 U	6 UJ	2200 J	61 UJ	6 UL	6 UL	6 UL
O-XYLENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
SEC-BUTYLBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
STYRENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
TOLUENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
TRANS-1,3-DICHLOROPROPENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
TRICHLOROETHENE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
TRICHLOROFLUOROMETHANE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
VINYL ACETATE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-081	SB-082	SB-083	SB-084	SB-085	SB-085	SB-086	SB-086
SAMPLE ID	SB-81-05	SB-82-05	SB-83-05	SB-84-05	SB-85-05	SB-85-10	SB-86-05	SB-86-10
SAMPLE DATE	20041109	20041109	20041102	20041103	20041105	20041115	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	10	5	10
BOTTOM DEPTH	5	5	5	5	5	10	5	10
VINYL CHLORIDE	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2,4,5-TRICHLOROPHENOL	970 U	1000 U	1000 U	1000 U	1000 U	960 UJ	970 UJ	960 UJ
2,4,6-TRICHLOROPHENOL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2,4-DICHLOROPHENOL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2,4-DIMETHYLPHENOL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2,4-DINITROPHENOL	970 U	1000 U	1000 U	1000 U	1000 U	960 UJ	970 UJ	960 UJ
2,4-DINITROTOLUENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2,6-DINITROTOLUENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2-CHLORONAPHTHALENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2-CHLOROPHENOL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2-METHYLPHENOL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
2-NITROANILINE	970 U	1000 U	1000 U	1000 U	1000 U	960 UJ	970 UJ	960 UJ
2-NITROPHENOL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
3&4-METHYLPHENOL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
3,3'-DICHLOROBENZIDINE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
3-NITROANILINE	970 U	1000 U	1000 U	1000 U	1000 U	960 UJ	970 UJ	960 UJ
4,6-DINITRO-2-METHYLPHENOL	890 U	920 U	920 U	940 U	950 U	880 UJ	890 UJ	880 UJ
4-BROMOPHENYL PHENYL ETHER	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
4-CHLORO-3-METHYLPHENOL	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
4-CHLOROANILINE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
4-CHLOROPHENYL PHENYL ETHER	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	970 U	1000 U	1000 U	1000 U	1000 U	960 UJ	970 UJ	960 UJ
4-NITROPHENOL	970 U	1000 U	1000 U	1000 U	1000 U	960 UJ	970 UJ	960 UJ
ACETOPHENONE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
BIS(2-CHLOROETHYL)ETHER	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
BIS(2-ETHYLHEXYL)PHTHALATE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
BUTYL BENZYL PHTHALATE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
CAPROLACTAM	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
CARBAZOLE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
DIBENZOFURAN	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
DIETHYL PHTHALATE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
DIMETHYL PHTHALATE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
DI-N-BUTYL PHTHALATE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
DI-N-OCTYL PHTHALATE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
HEXACHLOROBENZENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
HEXACHLOROBUTADIENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
HEXACHLOROCYCLOPENTADIENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
HEXACHLOROETHANE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
ISOPHORONE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
NITROBENZENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
N-NITROSODIPHENYLAMINE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
PENTACHLOROPHENOL	970 U	1000 U	1000 U	1000 U	1000 U	960 UJ	970 UJ	960 UJ
PHENOL	1900	1300	400 U	410 U	410 U	1000 J	1100 J	1600 J
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
ACENAPHTHENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
ACENAPHTHYLENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
ANTHRACENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
BAP EQUIVALENT-HALFND	390 U	400 U	400 U	410 U	410 U	380 U	390 U	380 U
BAP EQUIVALENT-POS	390 U	400 U	400 U	410 U	410 U	380 U	390 U	380 U
BENZO(A)ANTHRACENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
BENZO(A)PYRENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
BENZO(G,H,I)PERYLENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-081	SB-082	SB-083	SB-084	SB-085	SB-085	SB-086	SB-086
SAMPLE ID	SB-81-05	SB-82-05	SB-83-05	SB-84-05	SB-85-05	SB-85-10	SB-86-05	SB-86-10
SAMPLE DATE	20041109	20041109	20041102	20041103	20041105	20041115	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	10	5	10
BOTTOM DEPTH	5	5	5	5	5	10	5	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
DIBENZO(A,H)ANTHRACENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
FLUORANTHENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
FLUORENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
INDENO(1,2,3-CD)PYRENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
NAPHTHALENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
PHENANTHRENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
PYRENE	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
4,4'-DDE	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
4,4'-DDT	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ALDRIN	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ALPHA-BHC	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ALPHA-CHLORDANE	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
AROCLOR-1016	290 U	300 U	290 U	300 U	300 U	280 UJ	290 UJ	280 UJ
AROCLOR-1221	290 U	300 U	290 U	300 U	300 U	280 UJ	290 UJ	280 UJ
AROCLOR-1232	290 U	300 U	290 U	300 U	300 U	280 UJ	290 UJ	280 UJ
AROCLOR-1242	290 U	300 U	290 U	300 U	300 U	280 UJ	290 UJ	280 UJ
AROCLOR-1248	290 U	300 U	290 U	300 U	300 U	280 UJ	290 UJ	280 UJ
AROCLOR-1254	290 U	300 U	290 U	300 U	300 U	280 UJ	290 UJ	280 UJ
AROCLOR-1260	290 U	300 U	290 U	300 U	300 U	280 UJ	290 UJ	280 UJ
BETA-BHC	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
DELTA-BHC	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
DIELDRIN	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ENDOSULFAN I	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ENDOSULFAN II	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ENDOSULFAN SULFATE	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ENDRIN	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ENDRIN ALDEHYDE	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
ENDRIN KETONE	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
GAMMA-CHLORDANE	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
HEPTACHLOR	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
METHOXYCHLOR	NA	NA	NA	NA	24 U	23 UJ	46 UJ	22 UJ
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	610 U	570 UJ	1100 UJ	560 UJ
METALS (MG/KG)								
ANTIMONY	2.7 UL	2.6 UL	2.6 U	2.9 U	2.8 UL	2.6 UL	2.6 UL	2.8 UL
ARSENIC	2.5	1.2	1.9	3.4	2.2	0.53 U	0.7	0.61
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	2.7 U	2.6 U	2.6 U	2.9 U	2.8 U	3.2	2.6 U	2.8 U
CADMIUM	2.7 UL	2.6 UL	2.6 U	2.9 U	2.8 UL	2.6 U	2.6 U	2.8 U
CHROMIUM	9.9	7.6	7.6	19	28	9.3	18	31
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	13	7	5.7	13	19	13	30	9.1
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	4.7	4.6	9.9	4.5	11	4.1 J	9.5 J	5.8 J
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.11 U	0.1 U	0.1 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	7.3	3.4 L	9.8	2.9 U	23	46 J	20 J	15 J
SELENIUM	2.7 U	2.6 U	2.6 U	2.9 U	2.8 U	2.6 UL	2.6 UL	2.8 UL
SILVER	2.7 UL	2.6 UL	2.6 UL	2.9 UL	2.8 UL	2.6 UR	2.6 UR	2.8 UR
THALLIUM	2.2 U	2.1 U	2.1 UL	2.3 UL	2.3 U	2.1 U	2.1 U	2.2 U
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	27 UL	26 UL	27 K	29 U	61	93	62	34
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-081	SB-082	SB-083	SB-084	SB-085	SB-085	SB-086	SB-086
SAMPLE ID	SB-81-05	SB-82-05	SB-83-05	SB-84-05	SB-85-05	SB-85-10	SB-86-05	SB-86-10
SAMPLE DATE	20041109	20041109	20041102	20041103	20041105	20041115	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	10	5	10
BOTTOM DEPTH	5	5	5	5	5	10	5	10
DIESEL RANGE ORGANICS	12000 U	12000 U	12000 U	12000 U	12000 U	12000 UJ	12000 UJ	11000 UJ
GASOLINE RANGE ORGANICS	120 U	120 U	120 U	520000	240000	120 UJ	120 UJ	110 UJ
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-087	SB-088	SB-089	SB-090	SB-091	SB-092	SB-440	SB-440
SAMPLE ID	SB-87-05	SB-88-05	SB-89-05	SB-90-05	SB-91-05	SB-92-04	SB-440-0203	SB-440-0304
SAMPLE DATE	20041105	20041105	20041105	20041103	20040927	20040927	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	4	2	3
BOTTOM DEPTH	5	5	5	5	5	4	3	4
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
2-BUTANONE	NA	NA	NA	NA	58 UL	58 UL	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	6 UL	6 UL	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
2-HEXANONE	NA	NA	NA	NA	58 UL	58 UL	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	58 UL	58 UL	NA	NA
ACETONE	NA	NA	NA	NA	58 UL	58 UL	NA	NA
BENZENE	1 U	1 U	7	1 U	6 UL	6 UL	NA	NA
BROMOBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
BROMOFORM	NA	NA	NA	NA	6 UL	6 UL	NA	NA
BROMOMETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CHLOROETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CHLOROFORM	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	1 U	1 U	100	1 U	6 UL	6 UL	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
M+P-XYLENES	NA	NA	NA	NA	12 UL	12 UL	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	6 UL	6 UL	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
NAPHTHALENE	1 U	270	170	1 U	6 UL	6 UL	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
O-XYLENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
STYRENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
TOLUENE	1 U	4	1 U	1 U	6 UL	6 UL	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1 U	600	160	1 U	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
VINYL ACETATE	NA	NA	NA	NA	6 UL	6 UL	NA	NA

LOCATION	SB-087	SB-088	SB-089	SB-090	SB-091	SB-092	SB-440	SB-440
SAMPLE ID	SB-87-05	SB-88-05	SB-89-05	SB-90-05	SB-91-05	SB-92-04	SB-440-0203	SB-440-0304
SAMPLE DATE	20041105	20041105	20041105	20041103	20040927	20040927	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	4	2	3
BOTTOM DEPTH	5	5	5	5	5	4	3	4
VINYL CHLORIDE	NA	NA	NA	NA	6 UL	6 UL	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	390 U	400 U	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	390 U	400 U	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	970 U	990 U	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	970 U	990 U	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	390 U	400 U	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	390 U	400 U	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	390 U	400 U	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
2-NITROANILINE	NA	NA	NA	NA	970 U	990 U	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	390 U	400 U	NA	NA
3-NITROANILINE	NA	NA	NA	NA	970 U	990 U	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	890 U	910 U	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	390 U	400 U	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	390 U	400 U	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	390 U	400 U	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	970 U	990 U	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	970 U	990 U	NA	NA
ACETOPHENONE	NA	NA	NA	NA	390 U	400 U	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	390 U	400 U	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	390 U	400 U	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	390 U	400 U	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	390 U	400 U	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	390 U	400 U	NA	NA
CAPROLACTAM	NA	NA	NA	NA	390 U	400 U	NA	NA
CARBAZOLE	NA	NA	NA	NA	390 U	400 U	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	390 U	400 U	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	390 U	400 U	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	390 U	400 U	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	390 U	400 U	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	390 U	400 U	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	390 U	400 U	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	390 U	400 U	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	390 U	400 U	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	390 U	400 U	NA	NA
ISOPHORONE	NA	NA	NA	NA	390 U	400 U	NA	NA
NITROBENZENE	NA	NA	NA	NA	390 U	400 U	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	390 U	400 U	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	390 U	400 U	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	970 U	990 U	NA	NA
PHENOL	NA	NA	NA	NA	390 U	400 U	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	390 U	400 U	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	390 U	400 U	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	390 U	400 U	NA	NA
ANTHRACENE	NA	NA	NA	NA	390 U	400 U	NA	NA
BAP EQUIVALENT-HALFND	NA	NA	NA	NA	390 U	462	1.6 U	1.6 U
BAP EQUIVALENT-POS	NA	NA	NA	NA	390 U	0.06	1.6 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	390 U	400 U	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	390 U	400 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	390 U	400 U	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	390 U	400 U	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	390 U	400 U	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-087	SB-088	SB-089	SB-090	SB-091	SB-092	SB-440	SB-440
SAMPLE ID	SB-87-05	SB-88-05	SB-89-05	SB-90-05	SB-91-05	SB-92-04	SB-440-0203	SB-440-0304
SAMPLE DATE	20041105	20041105	20041105	20041103	20040927	20040927	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	4	2	3
BOTTOM DEPTH	5	5	5	5	5	4	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	390 U	60 J	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	390 U	400 U	NA	NA
FLUORANTHENE	NA	NA	NA	NA	390 U	48 J	NA	NA
FLUORENE	NA	NA	NA	NA	390 U	400 U	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	390 U	400 U	NA	NA
NAPHTHALENE	NA	NA	NA	NA	390 U	400 U	NA	NA
PHENANTHRENE	NA	NA	NA	NA	390 U	400 U	NA	NA
PYRENE	NA	NA	NA	NA	390 U	78 J	NA	NA
TOTAL PAHS	NA	NA	NA	NA	0 U	186	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	23 U	23 U	NA	NA
4,4'-DDE	NA	NA	NA	NA	23 U	23 U	NA	NA
4,4'-DDT	NA	NA	NA	NA	23 U	23 U	NA	NA
ALDRIN	NA	NA	NA	NA	23 U	23 U	NA	NA
ALPHA-BHC	NA	NA	NA	NA	23 U	23 U	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	23 U	23 U	NA	NA
AROCLOR-1016	NA	NA	NA	NA	290 U	290 U	NA	NA
AROCLOR-1221	NA	NA	NA	NA	290 U	290 U	NA	NA
AROCLOR-1232	NA	NA	NA	NA	290 U	290 U	NA	NA
AROCLOR-1242	NA	NA	NA	NA	290 U	290 U	NA	NA
AROCLOR-1248	NA	NA	NA	NA	290 U	290 U	NA	NA
AROCLOR-1254	NA	NA	NA	NA	290 U	290 U	NA	NA
AROCLOR-1260	NA	NA	NA	NA	290 U	290 U	NA	NA
BETA-BHC	NA	NA	NA	NA	23 U	23 U	NA	NA
DELTA-BHC	NA	NA	NA	NA	23 U	23 U	NA	NA
DIELDRIN	NA	NA	NA	NA	23 U	23 U	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	23 U	23 U	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	23 U	23 U	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	23 U	23 U	NA	NA
ENDRIN	NA	NA	NA	NA	23 U	23 U	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	23 U	23 U	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	23 U	23 U	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	23 U	23 U	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	23 U	23 U	NA	NA
HEPTACHLOR	NA	NA	NA	NA	23 U	23 U	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	23 U	23 U	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	23 U	23 U	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	0 U	0 U	NA	NA
TOXAPHENE	NA	NA	NA	NA	570 U	580 U	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	2.8 UL	3 UL	NA	NA
ARSENIC	NA	NA	NA	NA	2.4	1.4	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	2.8 U	3 U	NA	NA
CADMIUM	NA	NA	NA	NA	2.8 U	3 U	NA	NA
CHROMIUM	NA	NA	NA	NA	20 J	26 J	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	17 J	12 J	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	3.3 K	5.7 K	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	0.11 U	0.12 U	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	5.9 K	10 K	NA	NA
SELENIUM	NA	NA	NA	NA	2.8 U	3 U	NA	NA
SILVER	NA	NA	NA	NA	2.8 UR	3 UR	NA	NA
THALLIUM	NA	NA	NA	NA	2.2 U	2.4 U	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	28 UL	30 UL	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-087	SB-088	SB-089	SB-090	SB-091	SB-092	SB-440	SB-440
SAMPLE ID	SB-87-05	SB-88-05	SB-89-05	SB-90-05	SB-91-05	SB-92-04	SB-440-0203	SB-440-0304
SAMPLE DATE	20041105	20041105	20041105	20041103	20040927	20040927	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	4	2	3
BOTTOM DEPTH	5	5	5	5	5	4	3	4
DIESEL RANGE ORGANICS	12000 U	13000	12000 U	12000 U	12000 U	12000 U	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	120 U	120 U	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	83.1	82.1
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-440	SB-441	SB-441	SB-441	SB-441	SB-442	SB-442	SB-442
SAMPLE ID	SB-440-0506	SB-441-0203	SB-441-0304	SB-441-0506	SB-441-0708	SB-442-0203	SB-442-0304	SB-442-0506
SAMPLE DATE	20071018	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	2	3	5	7	2	3	5
BOTTOM DEPTH	6	3	4	6	8	3	4	6
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-440	SB-441	SB-441	SB-441	SB-441	SB-442	SB-442	SB-442
SAMPLE ID	SB-440-0506	SB-441-0203	SB-441-0304	SB-441-0506	SB-441-0708	SB-442-0203	SB-442-0304	SB-442-0506
SAMPLE DATE	20071018	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	2	3	5	7	2	3	5
BOTTOM DEPTH	6	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.7 U	72	31	900	1.5 U	1.5 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	1.7 U	72	31	900	1.5 U	1.5 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.7 U	72 J	31 J	900 J	1.5 UJ	1.5 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-440	SB-441	SB-441	SB-441	SB-441	SB-442	SB-442	SB-442
SAMPLE ID	SB-440-0506	SB-441-0203	SB-441-0304	SB-441-0506	SB-441-0708	SB-442-0203	SB-442-0304	SB-442-0506
SAMPLE DATE	20071018	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	2	3	5	7	2	3	5
BOTTOM DEPTH	6	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	72	31	900	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-440	SB-441	SB-441	SB-441	SB-441	SB-442	SB-442	SB-442
SAMPLE ID	SB-440-0506	SB-441-0203	SB-441-0304	SB-441-0506	SB-441-0708	SB-442-0203	SB-442-0304	SB-442-0506
SAMPLE DATE	20071018	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	2	3	5	7	2	3	5
BOTTOM DEPTH	6	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	75.8	87.8	88.6	77.8	85.2	84.9	86.4	83.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-442	SB-443	SB-443	SB-443	SB-443	SB-444	SB-444	SB-444
SAMPLE ID	SB-442-0708	SB-443-0203	SB-443-0304	SB-443-0506	SB-443-0708	SB-444-0203	SB-444-0304	SB-444-0506
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5
BOTTOM DEPTH	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-442	SB-443	SB-443	SB-443	SB-443	SB-444	SB-444	SB-444
SAMPLE ID	SB-442-0708	SB-443-0203	SB-443-0304	SB-443-0506	SB-443-0708	SB-444-0203	SB-444-0304	SB-444-0506
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5
BOTTOM DEPTH	8	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.4 U	1.5 U	1.5 U	1.6 U	32	1.5 U	1.6 U
BAP EQUIVALENT-POS	1.5 U	1.4 U	1.5 U	1.5 U	1.6 U	32	1.5 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.4 U	1.5 U	1.5 U	1.6 U	32 J	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-442	SB-443	SB-443	SB-443	SB-443	SB-444	SB-444	SB-444
SAMPLE ID	SB-442-0708	SB-443-0203	SB-443-0304	SB-443-0506	SB-443-0708	SB-444-0203	SB-444-0304	SB-444-0506
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5
BOTTOM DEPTH	8	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	32	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-442	SB-443	SB-443	SB-443	SB-443	SB-444	SB-444	SB-444
SAMPLE ID	SB-442-0708	SB-443-0203	SB-443-0304	SB-443-0506	SB-443-0708	SB-444-0203	SB-444-0304	SB-444-0506
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5
BOTTOM DEPTH	8	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	85.6	91.5	89.2	85.3	83	85.9	87	79.4
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-444	SB-445	SB-445	SB-445	SB-445	SB-446	SB-446	SB-446
SAMPLE ID	SB-444-0708	SB-445-0203	SB-445-0304	SB-445-0506	SB-445-0708	SB-446-0203	SB-446-0304	SB-446-0506
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5
BOTTOM DEPTH	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-444	SB-445	SB-445	SB-445	SB-445	SB-446	SB-446	SB-446
SAMPLE ID	SB-444-0708	SB-445-0203	SB-445-0304	SB-445-0506	SB-445-0708	SB-446-0203	SB-446-0304	SB-446-0506
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5
BOTTOM DEPTH	8	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-444	SB-445	SB-445	SB-445	SB-445	SB-446	SB-446	SB-446
SAMPLE ID	SB-444-0708	SB-445-0203	SB-445-0304	SB-445-0506	SB-445-0708	SB-446-0203	SB-446-0304	SB-446-0506
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5
BOTTOM DEPTH	8	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-444	SB-445	SB-445	SB-445	SB-445	SB-446	SB-446	SB-446
SAMPLE ID	SB-444-0708	SB-445-0203	SB-445-0304	SB-445-0506	SB-445-0708	SB-446-0203	SB-446-0304	SB-446-0506
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5
BOTTOM DEPTH	8	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	79	89.2	86.6	83.1	81.1	89.3	88.6	89.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-446	SB-447	SB-448	SB-448	SB-448	SB-448	SB-449	SB-449
SAMPLE ID	SB-446-0708	SB-447-0203	SB-448-0203	SB-448-0304	SB-448-0506	SB-448-0708	SB-449-0203	SB-449-0304
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	2	3	5	7	2	3
BOTTOM DEPTH	8	3	3	4	6	8	3	4
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-446	SB-447	SB-448	SB-448	SB-448	SB-448	SB-449	SB-449
SAMPLE ID	SB-446-0708	SB-447-0203	SB-448-0203	SB-448-0304	SB-448-0506	SB-448-0708	SB-449-0203	SB-449-0304
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	2	3	5	7	2	3
BOTTOM DEPTH	8	3	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	28	1.5 U	1.5 U	1.5 U	1.5 U	21	1.4 U
BAP EQUIVALENT-POS	1.6 U	28	1.5 U	1.5 U	1.5 U	1.5 U	21	1.4 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	28 J	1.5 U	1.5 U	1.5 U	1.5 U	21 J	1.4 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-446	SB-447	SB-448	SB-448	SB-448	SB-448	SB-449	SB-449
SAMPLE ID	SB-446-0708	SB-447-0203	SB-448-0203	SB-448-0304	SB-448-0506	SB-448-0708	SB-449-0203	SB-449-0304
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	2	3	5	7	2	3
BOTTOM DEPTH	8	3	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	28	0 U	0 U	0 U	0 U	21	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-446	SB-447	SB-448	SB-448	SB-448	SB-448	SB-449	SB-449
SAMPLE ID	SB-446-0708	SB-447-0203	SB-448-0203	SB-448-0304	SB-448-0506	SB-448-0708	SB-449-0203	SB-449-0304
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	2	3	5	7	2	3
BOTTOM DEPTH	8	3	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	83.4	87.6	87.5	85.3	85.2	87.5	90	89.7
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-449	SB-449	SB-450	SB-450	SB-450	SB-450	SB-451	SB-451
SAMPLE ID	SB-449-0506	SB-449-0708	SB-450-0203	SB-450-0304	SB-450-0506	SB-450-0708	SB-451-0203	SB-451-0304
SAMPLE DATE	20071019	20071019	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-449	SB-449	SB-450	SB-450	SB-450	SB-450	SB-451	SB-451
SAMPLE ID	SB-449-0506	SB-449-0708	SB-450-0203	SB-450-0304	SB-450-0506	SB-450-0708	SB-451-0203	SB-451-0304
SAMPLE DATE	20071019	20071019	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-449	SB-449	SB-450	SB-450	SB-450	SB-450	SB-451	SB-451
SAMPLE ID	SB-449-0506	SB-449-0708	SB-450-0203	SB-450-0304	SB-450-0506	SB-450-0708	SB-451-0203	SB-451-0304
SAMPLE DATE	20071019	20071019	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-449	SB-449	SB-450	SB-450	SB-450	SB-450	SB-451	SB-451
SAMPLE ID	SB-449-0506	SB-449-0708	SB-450-0203	SB-450-0304	SB-450-0506	SB-450-0708	SB-451-0203	SB-451-0304
SAMPLE DATE	20071019	20071019	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	85	82.1	86.5	83.4	84	78.6	87.2	82.4
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-451	SB-451	SB-452	SB-452	SB-452	SB-452	SB-453	SB-453
SAMPLE ID	SB-451-0506	SB-451-0708	SB-452-0203	SB-452-0304	SB-452-0506	SB-452-0708	SB-453-0203	SB-453-0304
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-451	SB-451	SB-452	SB-452	SB-452	SB-452	SB-453	SB-453
SAMPLE ID	SB-451-0506	SB-451-0708	SB-452-0203	SB-452-0304	SB-452-0506	SB-452-0708	SB-453-0203	SB-453-0304
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	22	38	1.5 U	1.5 U	28	640
BAP EQUIVALENT-POS	1.6 U	1.5 U	22	38	1.5 U	1.5 U	28	640
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.5 U	22 J	38 J	1.5 U	1.5 U	28 J	640
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-451	SB-451	SB-452	SB-452	SB-452	SB-452	SB-453	SB-453
SAMPLE ID	SB-451-0506	SB-451-0708	SB-452-0203	SB-452-0304	SB-452-0506	SB-452-0708	SB-453-0203	SB-453-0304
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	22	38	0 U	0 U	28	640
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-451	SB-451	SB-452	SB-452	SB-452	SB-452	SB-453	SB-453
SAMPLE ID	SB-451-0506	SB-451-0708	SB-452-0203	SB-452-0304	SB-452-0506	SB-452-0708	SB-453-0203	SB-453-0304
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	79.5	84.4	91.8	87.2	86.4	84.9	84.7	72.2
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-453	SB-453	SB-454	SB-454	SB-454	SB-454	SB-455	SB-455
SAMPLE ID	SB-453-0506	SB-453-0708	SB-454-0203	SB-454-0304	SB-454-0506	SB-454-0708	SB-455-0203	SB-455-0304
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-453	SB-453	SB-454	SB-454	SB-454	SB-454	SB-455	SB-455
SAMPLE ID	SB-453-0506	SB-453-0708	SB-454-0203	SB-454-0304	SB-454-0506	SB-454-0708	SB-455-0203	SB-455-0304
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-453	SB-453	SB-454	SB-454	SB-454	SB-454	SB-455	SB-455
SAMPLE ID	SB-453-0506	SB-453-0708	SB-454-0203	SB-454-0304	SB-454-0506	SB-454-0708	SB-455-0203	SB-455-0304
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								

LOCATION	SB-453	SB-453	SB-454	SB-454	SB-454	SB-454	SB-455	SB-455
SAMPLE ID	SB-453-0506	SB-453-0708	SB-454-0203	SB-454-0304	SB-454-0506	SB-454-0708	SB-455-0203	SB-455-0304
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3
BOTTOM DEPTH	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	83.8	81.5	79.9	82	81.4	80.1	86.5	85.2
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-455	SB-455	SB-456	SB-456	SB-456	SB-456
SAMPLE ID	SB-455-0506	SB-455-0708	SB-456-0203	SB-456-0304	SB-456-0506	SB-456-0708
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7
BOTTOM DEPTH	6	8	3	4	6	8
VOLATILES (UG/KG)						
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA

LOCATION	SB-455	SB-455	SB-456	SB-456	SB-456	SB-456
SAMPLE ID	SB-455-0506	SB-455-0708	SB-456-0203	SB-456-0304	SB-456-0506	SB-456-0708
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7
BOTTOM DEPTH	6	8	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)						
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	310
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	310
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	310 J
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-455	SB-455	SB-456	SB-456	SB-456	SB-456
SAMPLE ID	SB-455-0506	SB-455-0708	SB-456-0203	SB-456-0304	SB-456-0506	SB-456-0708
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7
BOTTOM DEPTH	6	8	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	310
PESTICIDES/PCBS (UG/KG)						
4,4'-DDD	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						

Table A-21
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-455	SB-455	SB-456	SB-456	SB-456	SB-456
SAMPLE ID	SB-455-0506	SB-455-0708	SB-456-0203	SB-456-0304	SB-456-0506	SB-456-0708
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7
BOTTOM DEPTH	6	8	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	81.5	83.2	85	79.1	89.4	90.8
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)						
PH	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)						
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)						
ACTINIUM-228	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-194 G-SB-194RE-3 20090930 NORMAL SO NORMAL SB 3 3	SB-194 G-SB-194RE-4 20090930 NORMAL SO NORMAL SB 4 4	SB-194 G-SB-194RE-5 20090930 NORMAL SO NORMAL SB 5 5	SB-196 G-SB-196RE-10 20091001 NORMAL SO NORMAL SB 10 10	SB-196 G-SB-196RE-6 20091001 NORMAL SO NORMAL SB 6 6	SB-196 G-SB-196RE-7 20091001 ORIG SO NORMAL SB 7 7	SB-196 G-SB-196RE-7-AVG 20091001 AVG SO NORMAL SB 7 7	SB-196 G-SB-196RE-7-D 20091001 DUP SO NORMAL SB 7 7	SB-196 G-SB-196RE-8 20091001 NORMAL SO NORMAL SB 8 8
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
BAP EQUIVALENT-HALFND	22	15		10	1.5 U	51	21	424	57	45	33	1.6 U	
BAP EQUIVALENT-POS	22	15	C	9.1	1.5 U	50	20	424	56	44	33	1.6 U	
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	31	14	250	37 J	29	21 J	1.2 U	
BENZO(A)PYRENE	22	15	C	9.1	1.5 U	40	16	280	45 J	35.5	26 J	1.6 U	
BENZO(B)FLUORANTHENE	220	150	C	1.3 U	1.4 U	38	15	340	45 J	36	27 J	1.5 U	
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2 U	24	13	110	20 J	16	12 J	2.1 U	
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	
CHRYSENE	22000	15000	C	7.6	1.1 U	42	18	260	42	34.5	27	1.1 U	
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.6 U	66	1.6 U	1.6 U	1.6 U	1.6 U	
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	26	9.8	180	26	21.5	17	1.9 U	
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TOTAL PAHS	NC	NC		16.7	0 U	201	85.8	1486	215	172.5	130	0 U	
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-196	SB-197	SB-197	SB-197	SB-197	SB-198	SB-198	SB-198	SB-198
SAMPLE ID				G-SB-196RE-9	G-SB-197RE-6	G-SB-197RE-6-AVG	G-SB-197RE-6-D	G-SB-197RE-7	G-SB-198RE-3	G-SB-198RE-4	G-SB-198RE-5	G-SB-198RE-6
SAMPLE DATE				20091001	20091002	20091002	20091002	20091002	20090929	20090929	20090929	20091019
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	6	6	6	7	3	4	5	6
BOTTOM DEPTH				9	6	6	6	7	3	4	5	6
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		319	24	36	49	1.6 U	34	635	88	471
BAP EQUIVALENT-POS	22	15	C	319	23	36	48	1.6 U	33	635	88	471
BENZO(A)ANTHRACENE	220	150	C	190	17 J	24.5	32 J	1.1 U	24	340	46	310
BENZO(A)PYRENE	22	15	C	230	18 J	28.5	39 J	1.6 U	26	410	60	330
BENZO(B)FLUORANTHENE	220	150	C	240	19 J	27.5	36 J	1.4 U	28	490	66	350
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	110	7.8 J	13.4	19 J	2 U	12	180	23	180
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	230	19 J	27.5	36 J	1.1 U	27	400	51	290
DIBENZO(A,H)ANTHRACENE	22	15	C	33	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	110	12	53
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	120	12 J	17.5	23 J	1.8 U	19	300	43	200
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		1153	92.8	138.9	185	0 U	136	2230	301	1713
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-198	SB-198	SB-198	SB-199	SB-199	SB-255	SB-255	SB-255	SB-424
SAMPLE ID				G-SB-198RE-7	G-SB-198RE-8	G-SB-198RE-9	G-SB-199RE-6	G-SB-199RE-7	G-SB-255RE-3	G-SB-255RE-4	G-SB-255RE-5	G-SB-424RE-5
SAMPLE DATE				20091019	20091019	20091019	20090930	20090930	20091001	20091001	20091001	20090924
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	8	9	6	7	3	4	5	5
BOTTOM DEPTH				7	8	9	6	7	3	4	5	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	1.6 U	14	13	42	1.5 U	106	1.7
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	1.6 U	13	12	41	1.5 U	106	0.0092
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.2 U	1.2 U	12	10	25	1.1 U	49	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	1.6 U	9.1	8.4	33	1.5 U	76	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.5 U	1.5 U	11	8.2	38	1.4 U	76	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2.1 U	2.1 U	2 U	2 U	16	2 U	35	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	1.1 U	1.1 U	11	11	28	1 U	65	9.2
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	13	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	1.8 U	18	17	20	1.7 U	43	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	61.1	54.6	160	0 U	357	9.2
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-424	SB-424	SB-424	SB-437	SB-437	SB-441	SB-441	SB-453	SB-453
SAMPLE ID				G-SB-424RE-5-AVG	G-SB-424RE-5-D	G-SB-424RE-6	G-SB-437RE-3	G-SB-437RE-4	G-SB-441RE-7	G-SB-441RE-8	G-SB-453RE-5	G-SB-453RE-6
SAMPLE DATE				20090924	20090924	20090924	20090930	20090930	20090929	20090929	20091001	20091001
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	5	6	3	4	7	8	5	6
BOTTOM DEPTH				5	5	6	3	4	7	8	5	6
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.2	1.5 U	1.5 U	1.5 U	1.5 U	80	11	24	23
BAP EQUIVALENT-POS	22	15	C	0.0092	1.5 U	1.5 U	1.5 U	1.5 U	80	9	23	23
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	51	1.1 U	16	15
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	47	1.5 U	17	17
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	54	58	18	17
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	2 U	2 U	29	15	2.1 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	4.875	1.1 U	1.1 U	1 U	1.1 U	61	23	16	15
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	19	1.5 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U	34	34	24	23
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		4.6	0 U	0 U	0 U	0 U	295	130	91	87
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-456	SB-456	SB-457	SB-457	SB-653	SB-653	SB-653	SB-653	SB-653
SAMPLE ID				G-SB-456RE-10	G-SB-456RE-9	G-SB-457RE-3	G-SB-457RE-4	G-SB-653-3	G-SB-653-5	G-SB-653-6	G-SB-653-7	G-SB-653-8
SAMPLE DATE				20090930	20090930	20090929	20090929	20090930	20090930	20091020	20091020	20091020
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				10	9	3	4	3	5	6	7	8
BOTTOM DEPTH				10	9	3	4	3	5	6	7	8
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		78	142	34	13	18	5209	3.9	1.7 U	1.4 U
BAP EQUIVALENT-POS	22	15	C	78	142	33	12	17	5209	2.1	1.7 U	1.4 U
BENZO(A)ANTHRACENE	220	150	C	33	61	18	10	14	3400	21	1.2 U	1.1 U
BENZO(A)PYRENE	22	15	C	45	88	27	10	14	3500	1.6 U	1.7 U	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	46	93	27	14	15	4200	1.5 U	1.5 U	1.3 U
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	14	36	12	2 U	2 U	1500	2.2 U	2.2 U	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	41	71	20	9.3	17	4000	23	1.2 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	21	32	1.5 U	1.5 U	1.5 U	700	1.6 U	1.7 U	1.4 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	40	64	17	1.7 U	1.8 U	2300	1.9 U	1.9 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		240	445	121	43.3	60	19600	44	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-653	SB-653	SB-653	SB-653A	SB-653A	SB-653A	SB-653B	SB-653B	SB-653B
SAMPLE ID				G-SB-653-9	G-SB-653-9-AVG	G-SB-653-9-D	G-SB-653A-3	G-SB-653A-5	G-SB-653A-7	G-SB-653B-3	G-SB-653B-5	G-SB-653B-7
SAMPLE DATE				20091020	20091020	20091020	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	9	9	3	5	7	3	5	7
BOTTOM DEPTH				9	9	9	3	5	7	3	5	7
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.4 U	1.45 U	1.5 U	1.4 U	3663	1.4 U	30	98	34
BAP EQUIVALENT-POS	22	15	C	1.4 U	1.45 U	1.5 U	1.4 U	3663	1.4 U	29	98	33
BENZO(A)ANTHRACENE	220	150	C	1 U	1.05 U	1.1 U	1 U	1900	1 U	1.1 U	54	11
BENZO(A)PYRENE	22	15	C	1.4 U	1.45 U	1.5 U	1.4 U	2400	1.4 U	24	78	29
BENZO(B)FLUORANTHENE	220	150	C	1.3 U	1.35 U	1.4 U	1.3 U	2900	1.3 U	29	85	31
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	1.95 U	2 U	1.8 U	1000	1.8 U	1.9 U	27	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	0.99 U	0.995 U	1 U	0.97 U	2600	0.98 U	1 U	66	11
DIBENZO(A,H)ANTHRACENE	22	15	C	1.4 U	1.45 U	1.5 U	1.4 U	600	1.4 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	1.7 U	1.6 U	1700	1.6 U	22	55	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	13100	0 U	75	365	82
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-653D	SB-653D	SB-653D	SB-654	SB-654	SB-654B	SB-654B	SB-654C	SB-654C
SAMPLE ID				G-SB-653D-3	G-SB-653D-5	G-SB-653D-7	G-SB-654-3	G-SB-654-5	G-SB-654B-3	G-SB-654B-5	G-SB-654C-3	G-SB-654C-5
SAMPLE DATE				20091029	20091029	20091029	20090930	20090930	20091030	20091030	20091030	20091030
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	3	5	3	5	3	5
BOTTOM DEPTH				3	5	7	3	5	3	5	3	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	49	1.5 U	68	67	7.8	10059	2.8	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	48	1.5 U	67	66	6.2	10059	1.1	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	17	1.1 U	62	49	19	8000	11	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	39	1.5 U	51	53	1.5 U	6800	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	44	1.4 U	66	51	43	7500	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	10	2 U	28	23	1.9 U	3100	1.9 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	20	1.1 U	74	57	19	8000	9.2	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1300	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	31	1.8 U	30	28	1.7 U	3700	1.7 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	161	0 U	311	261	81	38400	20.2	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656C	SB-656C	SB-656C
SAMPLE ID			G-SB-656-3	G-SB-656-5	G-SB-656-6	G-SB-656-7	G-SB-656-8	G-SB-656-9	G-SB-656C-4	G-SB-656C-6	G-SB-656C-8
SAMPLE DATE			20090930	20090930	20091020	20091020	20091020	20091020	20091029	20091029	20091029
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	6	7	8	9	4	6	8
BOTTOM DEPTH			3	5	6	7	8	9	4	6	8
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	9.8	437	175	2.6	1.6 U	1.5 U	32	66	1.6 U
BAP EQUIVALENT-POS	22	15 C	8.9	437	174	0.85	1.6 U	1.5 U	31	65	1.6 U
BENZO(A)ANTHRACENE	220	150 C	1.1 U	200	100	1.2 U	1.1 U	1.1 U	1.1 U	29	1.2 U
BENZO(A)PYRENE	22	15 C	8	310	140	1.6 U	1.6 U	1.5 U	26	53	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	9.1	330	150	8.5	1.4 U	1.4 U	28	55	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	130	75	2.1 U	2 U	2 U	2 U	13	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	260	110	1.1 U	1.1 U	1.1 U	1.1 U	34	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	51	1.7 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	210	86	1.9 U	1.8 U	1.8 U	23	38	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	17.1	1491	661	8.5	0 U	0 U	77	222	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-656C	SB-656C	SB-656D	SB-656D	SB-656D	SB-657A	SB-657A	SB-657A	SB-657A
SAMPLE ID			G-SB-656C-8-AVG	G-SB-656C-8-D	G-SB-656D-4	G-SB-656D-6	G-SB-656D-8	G-SB-657A-3	G-SB-657A-5	G-SB-657A-5-AVG	G-SB-657A-5-D
SAMPLE DATE			20091029	20091029	20091029	20091029	20091029	20091028	20091028	20091028	20091028
SAMPLE CODE			AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	8	4	6	8	3	5	5	5
BOTTOM DEPTH			8	8	4	6	8	3	5	5	5
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.55 U	1.5 U	22	22	17	35	1207	1073	940
BAP EQUIVALENT-POS	22	15 C	1.55 U	1.5 U	21	21	16	35	1207	1073	939
BENZO(A)ANTHRACENE	220	150 C	1.15 U	1.1 U	19	19	18	12	900	835	770
BENZO(A)PYRENE	22	15 C	1.55 U	1.5 U	16	15	11	28	810	775	740
BENZO(B)FLUORANTHENE	220	150 C	1.45 U	1.4 U	34	34	29	32	850	815	780
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.05 U	2 U	2 U	2 U	1.9 U	2 U	390	340	290
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.05 U	1 U	17	18	15	11	850	765	680
DIBENZO(A,H)ANTHRACENE	22	15 C	1.55 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	170 J	85.775	3.1 UJ
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.75 U	1.7 U	1.8 U	9.4	1.7 U	22	470	435	400
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	86	95.4	73	105	4440	4050	3660
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-657A	SB-657A	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657D
SAMPLE ID				G-SB-657A-7	G-SB-657A-9	G-SB-657B-3	G-SB-657B-5	G-SB-657B-5-AVG	G-SB-657B-5-D	G-SB-657B-7	G-SB-657B-9	G-SB-657D-3
SAMPLE DATE				20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	9	3	5	5	5	7	9	3
BOTTOM DEPTH				7	9	3	5	5	5	7	9	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		214	5922	21	1434	818	203	14	655	44
BAP EQUIVALENT-POS	22	15	C	214	5922	20	1431	817	203	14	655	43
BENZO(A)ANTHRACENE	220	150	C	110	4000	18	1400 J	770	140 J	12	440	32
BENZO(A)PYRENE	22	15	C	140	4000	14	1100 J	620	140 J	10	460	32
BENZO(B)FLUORANTHENE	220	150	C	140	4100	33	1200 J	675	150 J	23	480	54
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	59	1800	1.9 U	860 J	469	78 J	2 U	220	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	130	4300	18	1200 J	675	150 J	11	520	37
DIBENZO(A,H)ANTHRACENE	22	15	C	39	840	1.5 U	5.9 U	13.975	25	1.5 U	72	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	97	2500	8.1	610 J	346	82 J	1.8 U	280	21
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		715	21540	91.1	6370	3567.5	765	56	2472	189
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-657D	SB-657D	SB-657D	SB-658B	SB-658B	SB-658B	SB-658B	SB-658C	SB-658C
SAMPLE ID				G-SB-657D-5	G-SB-657D-7	G-SB-657D-9	G-SB-658B-3	G-SB-658B-5	G-SB-658B-7	G-SB-658B-9	G-SB-658C-3	G-SB-658C-5
SAMPLE DATE				20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5	7	9	3	5
BOTTOM DEPTH				5	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	1.5 U	1.5 U	558	1.5 U	64	32	692
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	558	1.5 U	64	31	692
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	320	1.1 U	46	20	430
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	370	1.5 U	50	23	480
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.4 U	410	1.4 U	55	43	500
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	1.9 U	1.9 U	170	2 U	21	16	280
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1 U	1 U	1 U	430	1 U	50	26	550
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	89	1.5 U	1.6 U	1.5 U	86
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.7 U	1.7 U	1.7 U	240	1.7 U	32	14	300
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	2029	0 U	254	142	2626
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-658C	SB-658C	SB-659C	SB-659C	SB-659C	SB-659C	SB-659D	SB-659D	SB-659D
SAMPLE ID				G-SB-658C-7	G-SB-658C-9	G-SB-659C-3	G-SB-659C-5	G-SB-659C-7	G-SB-659C-9	G-SB-659D-3	G-SB-659D-5	G-SB-659D-7
SAMPLE DATE				20091028	20091028	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	9	3	5	7	9	3	5	7
BOTTOM DEPTH				7	9	3	5	7	9	3	5	7
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**22**	**415**	8.6	4.1	1.5 U	**1657**	1.5 U	1.5 U	**24**
BAP EQUIVALENT-POS	22	15	C	**21**	**415**	7.0	2.4	1.5 U	**1655**	1.5 U	1.5 U	**23**
BENZO(A)ANTHRACENE	220	150	C	14	**200**	31	1.1 U	1.1 U	**1300**	1.1 U	1.1 U	19
BENZO(A)PYRENE	22	15	C	**17**	**280**	1.5 U	1.5 U	1.5 U	**1300**	1.5 U	1.5 U	**18**
BENZO(B)FLUORANTHENE	220	150	C	15	**300**	39	24	1.4 U	**1400**	1.4 U	1.4 U	31 J
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	9.8	110	2 U	2 U	2 U	750	2 U	1.9 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	19	270	23	1.1 U	1 U	1600	1 U	1 U	18
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	**71**	1.5 U	1.5 U	1.5 U	3.3 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	11	130	1.7 U	1.8 U	1.7 U	**760**	1.7 U	1.7 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		85.8	1361	93	24	0 U	7110	0 U	0 U	86
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-659D	SB-659D	SB-659D
SAMPLE ID				G-SB-659D-7-AVG	G-SB-659D-7-D	G-SB-659D-9
SAMPLE DATE				20091029	20091029	20091029
SAMPLE CODE				AVG	DUP	NORMAL
MATRIX				SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB
TOP DEPTH				7	7	9
BOTTOM DEPTH				7	7	9
VOLATILES (UG/KG)						
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA
SEMIVOLATILES (UG/KG)						
BENZOIC ACID	NC	24000000	N	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**20**	**17**	1.5 U
BAP EQUIVALENT-POS	22	15	C	**19**	**16**	1.5 U
BENZO(A)ANTHRACENE	220	150	C	18	17	1.1 U
BENZO(A)PYRENE	22	15	C	**16**	14	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	15.85	1.4 UJ	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA
CHRYSENE	22000	15000	C	16	14	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA
TOTAL PAHS	NC	NC		65.5	45	0 U
PESTICIDES/PCBS (UG/KG)						
AROCLOR-1260	320	220	C	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	3.1	3.1	N	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA
COPPER	310	310	N	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA
LEAD	400	400		NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA
SILVER	39	39	N	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)						
PH	NC	NC		NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-661	SB-661	SB-662	SB-662	SB-662	SB-662	SB-662	SB-662A
SAMPLE ID				G-SB-661-6	G-SB-661-7	G-SB-662-10	G-SB-662-6	G-SB-662-7	G-SB-662-8	G-SB-662-9	G-SB-662A-3
SAMPLE DATE				20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				6	7	10	6	7	8	9	3
BOTTOM DEPTH				6	7	10	6	7	8	9	3
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	139	855	233	2.9	4214	60
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	139	855	233	1.1	4214	59
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	93	570	160	1.2 U	2900	39
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	97	590	160	1.6 U	3000	45
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	110	630	170	11	3200	70
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	42	260	68	2.1 U	1100	25
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	100	640	180	11	3400	47
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	16	110	30	1.6 U	440	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	52	320	91	1.8 U	1500	28
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	510	3120	859	22	15540	254
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-662A	SB-662A	SB-662A	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B
SAMPLE ID				G-SB-662A-5	G-SB-662A-7	G-SB-662A-9	G-SB-662B-3	G-SB-662B-5	G-SB-662B-7	G-SB-662B-7-AVG	G-SB-662B-7-D
SAMPLE DATE				20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5	7	7	7
BOTTOM DEPTH				5	7	9	3	5	7	7	7
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		51	22	702	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	50	21	702	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	37	14	360	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U
BENZO(A)PYRENE	22	15	C	38	16	490	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	59	36	560	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	15	2 U	210	2 U	2 U	2.1 U	2.1 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	38	16	430	1 U	1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	84	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	25	1.8 U	330	1.7 U	1.7 U	1.9 U	1.9 U	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		212	82	2464	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-662B	SB-662C	SB-662C	SB-662C	SB-662C	SB-663	SB-663	SB-663
SAMPLE ID				G-SB-662B-9	G-SB-662C-3	G-SB-662C-5	G-SB-662C-7	G-SB-662C-9	G-SB-663-6	G-SB-663-6-AVG	G-SB-663-6-D
SAMPLE DATE				20091029	20091029	20091029	20091029	20091029	20091001	20091001	20091001
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	3	5	7	9	6	6	6
BOTTOM DEPTH				9	3	5	7	9	6	6	6
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		3172	6069	19	1.7	2268	1.6 U	1.55 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	3172	6069	19	0.0085	2268	1.6 U	1.55 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	2000	4400	1.1 U	1.1 U	1700	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	2200	4100	14	1.5 U	1500	1.6 U	1.55 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	2500	5000	37	1.4 U	1800	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	970	2400	2 U	2 U	670	2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	2200	4500	16	8.5	1900	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	380	740	1.5 U	1.5 U	310	1.6 U	1.55 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1300	2600	9.5	1.8 U	990	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		11550	23740	76.5	8.5	8870	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-663	SB-664	SB-664	SB-665	SB-665	SB-666	SB-666	SB-667
SAMPLE ID				G-SB-663-7	G-SB-664-6	G-SB-664-7	G-SB-665-6	G-SB-665-7	G-SB-666-6	G-SB-666-7	G-SB-667-6
SAMPLE DATE				20091001	20091001	20091001	20091002	20091002	20091002	20091002	20091002
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	6	7	6	7	6	7	6
BOTTOM DEPTH				7	6	7	6	7	6	7	6
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.2 U	1.1 U	1.3 U	1.2 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.1 U	2.1 U	2.3 U	2.2 U	2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	1.7 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-667	SB-668	SB-668	SB-671	SB-671	SB-671	SB-671	SB-671
SAMPLE ID				G-SB-667-7	G-SB-668-6	G-SB-668-7	G-SB-671-3	G-SB-671-4	G-SB-671-5	G-SB-671-6	G-SB-671-7
SAMPLE DATE				20091002	20091002	20091002	20090929	20090929	20090929	20091019	20091019
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	6	7	3	4	5	6	7
BOTTOM DEPTH				7	6	7	3	4	5	6	7
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.7 U	1.6 U	1.7 U	**246**	**121**	**15223**	**439**	**859**
BAP EQUIVALENT-POS	22	15	C	1.7 U	1.6 U	1.7 U	**246**	**121**	**15223**	**439**	**859**
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	1.2 U	**180**	71	**6600**	**220**	**390 J**
BENZO(A)PYRENE	22	15	C	1.7 U	1.6 U	1.7 U	**170**	**79**	**10000**	**310**	**620 J**
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	1.5 U	**210**	94	**11000**	**280**	**500 J**
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	2.1 U	2.2 U	76	39	**4600**	140	290 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	160	72	6700	300	470 J
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.6 U	1.7 U	**27**	**20**	**2700**	**59**	**110 J**
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.8 U	1.9 U	92	51	**7100**	**180**	**370 J**
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	915	426	48700	1489	2750
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-671	SB-671	SB-671	SB-671	SB-671	SB-671B	SB-671B	SB-671B
SAMPLE ID				G-SB-671-7-AVG	G-SB-671-7-D	G-SB-671-8	G-SB-671-9	G-SB-671RE-10	G-SB-671B-3	G-SB-671B-5	G-SB-671B-7
SAMPLE DATE				20091019	20091019	20091019	20091019	20091029	20091111	20091111	20091111
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	7	8	9	10	3	5	7
BOTTOM DEPTH				7	7	8	9	10	3	5	7
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**430**	1.6 U	**127**	**1986**	1.6 U	**190**	**18**	1.7 U
BAP EQUIVALENT-POS	22	15	C	**430**	1.6 U	**127**	**1986**	1.6 U	**190**	**17**	1.7 U
BENZO(A)ANTHRACENE	220	150	C	**195.3**	1.2 UJ	71	**1100**	1.2 U	120	12	1.2 U
BENZO(A)PYRENE	22	15	C	**310.4**	1.6 UJ	**92**	**1400**	1.6 U	**120**	12	1.7 U
BENZO(B)FLUORANTHENE	220	150	C	**250.375**	1.5 UJ	78	**1300**	1.5 U	**160**	14	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	145.525	2.1 UJ	42	770	2.1 U	62	2.1 U	2.2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	235.275	1.1 UJ	75	1300	1.1 U	130	11	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	**55.4**	1.6 UJ	14	**250**	1.6 U	**34**	1.6 U	1.7 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	**185.475**	1.9 UJ	52	**870**	1.9 U	69	23	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		1375	0 U	424	6990	0 U	695	72	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-671B	SB-671C	SB-671C	SB-671C	SB-671C	SB-671C	SB-671C	SB-671D
SAMPLE ID				G-SB-671B-9	G-SB-671C-3	G-SB-671C-5	G-SB-671C-7	G-SB-671C-7-AVG	G-SB-671C-7-D	G-SB-671C-9	G-SB-671D-3
SAMPLE DATE				20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	3	5	7	7	7	9	3
BOTTOM DEPTH				9	3	5	7	7	7	9	3
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.7 U	24	36	1.5 U	1.55 U	1.6 U	1.6 U	114
BAP EQUIVALENT-POS	22	15	C	1.7 U	23	35	1.5 U	1.55 U	1.6 U	1.6 U	114
BENZO(A)ANTHRACENE	220	150	C	1.2 U	10	25	1.1 U	1.1 U	1.1 U	1.2 U	96
BENZO(A)PYRENE	22	15	C	1.7 U	18	25	1.5 U	1.55 U	1.6 U	1.6 U	67
BENZO(B)FLUORANTHENE	220	150	C	1.6 U	17	44	1.4 U	1.4 U	1.4 U	1.5 U	88
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	8.8	12	2 U	2 U	2 U	2.1 U	39
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.2 U	12	36	1.1 U	1.1 U	1.1 U	1.1 U	83
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	23
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	2 U	26	30	1.8 U	1.8 U	1.8 U	1.9 U	47
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	91.8	172	0 U	0 U	0 U	0 U	443
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-671D	SB-671D	SB-671D	SB-673	SB-673	SB-674	SB-674	SB-675
SAMPLE ID			G-SB-671D-5	G-SB-671D-7	G-SB-671D-9	G-SB-673-6	G-SB-673-7	G-SB-674-6	G-SB-674-7	G-SB-675-6
SAMPLE DATE			20091111	20091111	20091111	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	7	9	6	7	6	7	6
BOTTOM DEPTH			5	7	9	6	7	6	7	6
VOLATILES (UG/KG)										
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.6 U	4.8	**16**	1.5 U	1.5 U	4.0	**27**	**127**
BAP EQUIVALENT-POS	22	15 C	1.6 U	3.0	**15**	1.5 U	1.5 U	2.3	**26**	**127**
BENZO(A)ANTHRACENE	220	150 C	1.2 U	1.2 U	8.7	1.1 U	1.1 U	12	23	100
BENZO(A)PYRENE	22	15 C	1.6 U	1.7 U	11	1.5 U	1.5 U	1.6 U	**19**	**73**
BENZO(B)FLUORANTHENE	220	150 C	1.5 U	8.8	12	1.4 U	1.4 U	11	21	93
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.1 U	2.2 U	2.1 U	2 U	2 U	2.1 U	9.7	32
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	1.1 U	8.7	1.1 U	1.1 U	11	25	100
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.7 U	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	**28**
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	21	23	1.8 U	1.8 U	1.9 U	23	58
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	29.8	63.4	0 U	0 U	34	120.7	484
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-675	SB-676	SB-676	SB-677	SB-677	SB-677	SB-677	SB-677
SAMPLE ID				G-SB-675-7	G-SB-676-6	G-SB-676-7	G-SB-677-3	G-SB-677-4	G-SB-677-5	G-SB-677-6	G-SB-677-7
SAMPLE DATE				20090930	20090930	20090930	20091001	20091001	20091001	20091020	20091020
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	6	7	3	4	5	6	7
BOTTOM DEPTH				7	6	7	3	4	5	6	7
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**16**	1.5 U	1.6 U	**46**	**40**	**1811**	**21**	1.5 U
BAP EQUIVALENT-POS	22	15	C	**15**	1.5 U	1.6 U	**45**	**40**	**1811**	**20**	1.5 U
BENZO(A)ANTHRACENE	220	150	C	16	1.1 U	1.2 U	34	36	**1500**	13	1.1 U
BENZO(A)PYRENE	22	15	C	12	1.5 U	1.6 U	**35**	**30**	**1300**	**16**	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	16	1.4 U	1.5 U	42	41	**1300**	15	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2.1 U	22	17	540	12	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	14	1.1 U	1.1 U	36	40	1500	17	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	**160**	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.8 U	19	18	**640**	11	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		58	0 U	0 U	188	182	6940	84	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-677	SB-677	SB-677A	SB-677A	SB-677A	SB-677A	SB-677B	SB-677B
SAMPLE ID				G-SB-677-8	G-SB-677-9	G-SB-677A-3	G-SB-677A-5	G-SB-677A-7	G-SB-677A-9	G-SB-677B-3	G-SB-677B-5
SAMPLE DATE				20091020	20091020	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	9	3	5	7	9	3	5
BOTTOM DEPTH				8	9	3	5	7	9	3	5
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	40	269	4.2	21	44	119
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	39	269	2.5	20	43	119
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	26	190	1.1 U	16	28	78
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	31	180	1.5 U	15	32	94
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	54	210	25	37	54	100
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	17	84	1.9 U	2 U	24	60
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	32	230	1 U	19	34	87
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	38	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.7 U	100	1.7 U	1.8 U	23	62
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	160	1032	25	87	195	481
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-677B	SB-677B	SB-677B	SB-677B	SB-677D	SB-677D	SB-677D	SB-677D
SAMPLE ID				G-SB-677B-7	G-SB-677B-9	G-SB-677B-9-AVG	G-SB-677B-9-D	G-SB-677D-3	G-SB-677D-5	G-SB-677D-7	G-SB-677D-9
SAMPLE DATE				20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	9	9	9	3	5	7	9
BOTTOM DEPTH				7	9	9	9	3	5	7	9
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	203	327	452	12	4746	78	38
BAP EQUIVALENT-POS	22	15	C	1.5 U	202	327	452	12	4746	78	37
BENZO(A)ANTHRACENE	220	150	C	1.1 U	140 J	205	270 J	8.6	3100	25	14
BENZO(A)PYRENE	22	15	C	1.5 U	160 J	235	310 J	8	3200	44	30
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	180 J	255	330 J	27	3700	46	31
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	74 J	107	140 J	1.9 U	1300	16	7.7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	160 J	235	310 J	8.7	3200	25	17
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 UJ	31.4	62 J	1.5 U	650	23	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	91 J	135.5	180 J	1.7 U	2000	38	25
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	805	1203.5	1602	52.3	17150	217	124.7
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678
SAMPLE ID				G-SB-678-3	G-SB-678-4	G-SB-678-5	G-SB-678-6	G-SB-678-7	G-SB-678-8	G-SB-678-8-AVG	G-SB-678-8-D
SAMPLE DATE				20091001	20091001	20091001	20091020	20091020	20091020	20091020	20091020
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	4	5	6	7	8	8	8
BOTTOM DEPTH				3	4	5	6	7	8	8	8
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**36**	**103**	**1905**	**106**	**379**	1.5 U	**17**	**34**
BAP EQUIVALENT-POS	22	15	C	**36**	**103**	**1905**	**105**	**379**	1.5 U	**17**	**33**
BENZO(A)ANTHRACENE	220	150	C	24	63	**1100**	52	**200**	1.1 UJ	11.275	22 J
BENZO(A)PYRENE	22	15	C	**28**	**72**	**1300**	**86**	**260**	1.5 UJ	13.875	**27 J**
BENZO(B)FLUORANTHENE	220	150	C	33	83	**1600**	86	**270**	1.4 UJ	10.85	21 J
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	12	37	470	47	110	2 UJ	8.5	16 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	31	79	1200	65	240	1.1 UJ	13.275	26 J
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	12	**250**	1.5 U	**53**	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	18	44	**790**	51	**180**	1.8 UJ	8.95	17 J
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		146	390	6710	387	1313	0 U	64.5	129
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-678	SB-678B	SB-678B	SB-678B	SB-678B	SB-678B	SB-678B	SB-678C
SAMPLE ID				G-SB-678-9	G-SB-678B-3	G-SB-678B-3-AVG	G-SB-678B-3-D	G-SB-678B-5	G-SB-678B-7	G-SB-678B-9	G-SB-678C-3
SAMPLE DATE				20091020	20091111	20091111	20091111	20091111	20091111	20091111	20091030
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	3	3	3	5	7	9	3
BOTTOM DEPTH				9	3	3	3	5	7	9	3
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2.5	22	18	14	140	1.5 U	946	1.5 U
BAP EQUIVALENT-POS	22	15	C	0.84	22	17	13	140	1.5 U	946	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	12	6.275	1.1 U	59	1.1 U	580	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	16	12.85	9.7	88	1.5 U	640	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	8.4	21	16	11	100	1.4 U	870	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	1.9 U	1.95 U	2 U	28	2 U	230	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	13	6.75	1 U	73	1 U	700	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	29	1.5 U	120	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	24	22	20	64	1.7 U	380	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		8.4	86	63.35	40.7	441	0 U	3520	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-678C	SB-678C	SB-678C	SB-679	SB-679	SB-679	SB-679	SB-679
SAMPLE ID				G-SB-678C-5	G-SB-678C-7	G-SB-678C-9	G-SB-679-3	G-SB-679-4	G-SB-679-5	G-SB-679-6	G-SB-679-7
SAMPLE DATE				20091030	20091030	20091030	20091001	20091001	20091001	20091020	20091020
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	4	5	6	7
BOTTOM DEPTH				5	7	9	3	4	5	6	7
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	28	71	12	222	36	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	27	71	11	222	35	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.2 U	10	44	1.1 U	94	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	21	58	9.8	160	30	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.5 U	26	40	8.1	160	31	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.1 U	2.1 U	65	1.9 U	66	13	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	11	53	7.9	110	14	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	27	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.9 U	23	35	1.7 U	89	21	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	91	295	25.8	706	109	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-679	SB-679	SB-679C	SB-679C	SB-679C	SB-679C	SB-679C	SB-679C
SAMPLE ID				G-SB-679-8	G-SB-679-9	G-SB-679C-3	G-SB-679C-5	G-SB-679C-7	G-SB-679C-9	G-SB-679C-9-AVG	G-SB-679C-9-D
SAMPLE DATE				20091020	20091020	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	9	3	5	7	9	9	9
BOTTOM DEPTH				8	9	3	5	7	9	9	9
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	111	56	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	111	56	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	23 J	11.775	1.1 UJ
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	68 J	34.4	1.6 UJ
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	77 J	38.85	1.4 UJ
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	1.9 U	2 U	13	7	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1 U	1 U	1.1 U	33 J	16.775	1.1 UJ
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	28 J	14.4	1.6 UJ
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.7 U	1.7 U	1.8 U	52 J	26.45	1.8 UJ
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	294	147	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-679D	SB-679D	SB-679D	SB-679D
SAMPLE ID				G-SB-679D-3	G-SB-679D-5	G-SB-679D-7	G-SB-679D-9
SAMPLE DATE				20091030	20091030	20091030	20091030
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB
TOP DEPTH				3	5	7	9
BOTTOM DEPTH				3	5	7	9
VOLATILES (UG/KG)							
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	**17**	1.5 U	**20**
BAP EQUIVALENT-POS	22	15	C	1.5 U	**16**	1.5 U	**20**
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	**16**	1.5 U	**16**
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	17
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	1.8 U	19
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	16	0 U	52
PESTICIDES/PCBS (UG/KG)							
AROCLOR-1260	320	220	C	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NC	NC		NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680D	SB-680D	SB-680D	SB-681
SAMPLE ID				G-SB-680-3	G-SB-680-4	G-SB-680-5	G-SB-680-6	G-SB-680-7	G-SB-680-8	G-SB-680-9	G-SB-680D-3	G-SB-680D-7	G-SB-680D-9	G-SB-681-5
SAMPLE DATE				20091001	20091001	20091001	20091020	20091020	20091020	20091020	20091102	20091102	20091102	20090924
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	4	5	6	7	8	9	3	7	9	5
BOTTOM DEPTH				3	4	5	6	7	8	9	3	7	9	5
VOLATILES (UG/KG)														
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		24	799	1112	24698	604	1.5 U	1.5 U	76	2081	10	83
BAP EQUIVALENT-POS	22	15	C	23	799	1112	24698	604	1.5 U	1.5 U	76	2080	9.4	82
BENZO(A)ANTHRACENE	220	150	C	18	530	740	15000	420	1.1 U	1.1 U	47	950	1.1 U	99
BENZO(A)PYRENE	22	15	C	18	550	760	17000	430	1.5 U	1.5 U	48	1700	8.4	60
BENZO(B)FLUORANTHENE	220	150	C	18	690	900	18000	450	1.4 U	1.4 U	67	1800	10	83
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	11	330	400	8100	210	2 U	2 U	26	620	2 U	42
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	21	590	840	17000	390	1 U	1.1 U	57	1300	1 U	80
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	93	140	3300	61	1.5 U	1.5 U	13	3.3 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	11	300	430	10000	240	1.7 U	1.8 U	35	970	1.7 U	35
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		97	3083	4210	88400	2201	0 U	0 U	293	7340	18.4	399
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-681	SB-682	SB-682	SB-683	SB-683	SB-684	SB-684	SB-684	SB-684	SB-685	SB-685
SAMPLE ID			G-SB-681-6	G-SB-682-5	G-SB-682-6	G-SB-683-5	G-SB-683-6	G-SB-684-5	G-SB-684-5-AVG	G-SB-684-5-D	G-SB-684-6	G-SB-685-3	G-SB-685-4
SAMPLE DATE			20090924	20090923	20090923	20090923	20090923	20090923	20090923	20090923	20090923	20091001	20091001
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG
MATRIX	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			6	5	6	5	6	5	5	5	6	3	4
BOTTOM DEPTH			6	5	6	5	6	5	5	5	6	3	4
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.5 U	24	149	1.6 U	2.8	58	114	1.5 U	11	48
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.5 U	23	149	1.6 U	1.1	57	114	1.5 U	10	47
BENZO(A)ANTHRACENE	220	150 C	1.1 U	1.1 U	21	76	1.1 U	11 J	50	89 J	1.1 U	1.1 U	40
BENZO(A)PYRENE	22	15 C	1.5 U	1.5 U	16	92	1.6 U	1.5 UJ	32.375	64 J	1.5 U	9.1	36
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	1.3 U	26	120	1.4 U	1.4 UJ	55.35	110 J	1.4 U	9.5	43
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1.9 U	1.9 U	9	50	2 U	2 UJ	16	31 J	2 U	1.9 U	18
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1 U	1 U	20	100	1.1 U	1 UJ	39.75	79 J	1.1 U	11	41
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.5 U	1.5 U	31	1.6 U	1.5 UJ	12.875	25 J	1.5 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.7 U	1.7 U	20	59	1.8 U	1.7 UJ	22.925	45 J	1.8 U	1.7 U	23
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	112	528	0 U	11	227	443	0 U	29.6	201
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-685	SB-685	SB-686	SB-686	SB-687	SB-687	SB-688	SB-688	SB-689	SB-689	SB-690
SAMPLE ID			G-SB-685-4-AVG	G-SB-685-4-D	G-SB-686-3	G-SB-686-4	G-SB-687-3	G-SB-687-4	G-SB-688-3	G-SB-688-4	G-SB-689-7	G-SB-689-8	G-SB-690-7
SAMPLE DATE			20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20090930	20090930	20090930
SAMPLE CODE			AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	4	3	4	3	4	3	4	7	8	7
BOTTOM DEPTH			4	4	3	4	3	4	3	4	7	8	7
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	44	40	1.4 U	1.5 U	10	16	13	1.6 U	1.5 U	1.5 U	1.7 U
BAP EQUIVALENT-POS	22	15 C	43	39	1.4 U	1.5 U	9.2	15	12	1.6 U	1.5 U	1.5 U	1.7 U
BENZO(A)ANTHRACENE	220	150 C	36	32	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U
BENZO(A)PYRENE	22	15 C	33	30	1.4 U	1.5 U	7.9	13	11	1.6 U	1.5 U	1.5 U	1.7 U
BENZO(B)FLUORANTHENE	220	150 C	39	35	1.3 U	1.4 U	13	13	1.4 U	1.5 U	1.4 U	1.4 U	1.6 U
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	19.5	21	1.9 U	1.9 U	2 U	2 U	1.9 U	2.1 U	2 U	2 U	2.2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	42.5	44	0.99 U	1 U	9.2	13	8.7	1.1 U	1.1 U	1.1 U	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.7 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	21	19	1.7 U	1.7 U	1.8 U	7.8	8.5	1.8 U	1.8 U	1.8 U	2 UJ
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	191	181	0 U	0 U	30.1	46.8	28.2	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220 C(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000 N(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-690	SB-690	SB-690	SB-691	SB-691	SB-692	SB-692	SB-693	SB-693	SB-693	SB-693
SAMPLE ID			G-SB-690-7-AVG	G-SB-690-7-D	G-SB-690-8	G-SB-691-7	G-SB-691-8	G-SB-692-7	G-SB-692-8	G-SB-693-5	G-SB-693-6	G-SB-693-7	G-SB-693-8
SAMPLE DATE			20090930	20090930	20090930	20090930	20090930	20090929	20090929	20091001	20091001	20091001	20091001
SAMPLE CODE			AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			7	7	8	7	8	7	8	5	6	7	8
BOTTOM DEPTH			7	7	8	7	8	7	8	5	6	7	8
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	6.4	12	1.5 U	3.43555	1.6 U	1.5 U	1.5 U	4469	21	2.7	1.6 U
BAP EQUIVALENT-POS	22	15 C	6.0	11	1.5 U	1.7	1.6 U	1.5 U	1.5 U	4469	20	0.93	1.6 U
BENZO(A)ANTHRACENE	220	150 C	4.4	8.2	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	3000	16	1.2 U	1.2 U
BENZO(A)PYRENE	22	15 C	4.325	7.8	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	3100	16	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	4.6	8.4	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3400	17	9.2	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.05 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1600	2.1 U	2.1 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U	1.1 U	3300	14	9.4	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	540	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	9	17 J	1.7 U	17	1.8 U	1.7 U	1.8 U	1700	8.2	1.9 U	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	20.7	41.4	0 U	17	0 U	0 U	0 U	16640	71.2	18.6	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220 C(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000 N(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-693	SB-693A	SB-693A	SB-693A	SB-693B	SB-693B	SB-693B	SB-693D	SB-693D	SB-693D	SB-693D
SAMPLE ID			G-SB-693-9	G-SB-693A-4	G-SB-693A-6	G-SB-693A-8	G-SB-693B-4	G-SB-693B-6	G-SB-693B-8	G-SB-693D-4	G-SB-693D-6	G-SB-693D-8	G-SB-693D-8-AVG
SAMPLE DATE			20091001	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			9	4	6	8	4	6	8	4	6	8	8
BOTTOM DEPTH			9	4	6	8	4	6	8	4	6	8	8
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	2.7	55	386	242	77	23	14	15	780	65	354
BAP EQUIVALENT-POS	22	15 C	0.91	54	386	242	77	23	13	15	780	65	354
BENZO(A)ANTHRACENE	220	150 C	9	42	250	160	48	14	9.5	13	570	44 J	247
BENZO(A)PYRENE	22	15 C	1.6 U	42	270	170	52	18	11	12	550	44 J	242
BENZO(B)FLUORANTHENE	220	150 C	1.5 U	49	280	170	61	18	12	12	610	49 J	254.5
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.1 U	18	150	100	25	10	2.1 U	2 U	270	20 J	120
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	11	57	290	190	64	21	13	16	640	51 J	305.5
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.5 U	45	28	10	1.6 U	1.6 U	1.5 U	78	8.5 J	45.75
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	27	160	97	36	13	1.9 U	1.7 U	310	28 J	149
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	20	235	1445	915	296	94	45.5	53	3028	244.5	1363.75
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220 C(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000 N(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-693D	SB-694	SB-694	SB-695	SB-695	SB-695	SB-695	SB-696	SB-696	SB-696	SB-697	SB-697
SAMPLE ID			G-SB-693D-8-D	G-SB-694-5	G-SB-694-6	G-SB-695-5	G-SB-695-5-AVG	G-SB-695-5-D	G-SB-695-6	G-SB-696-5	G-SB-696-6		G-SB-697-10	G-SB-697-9
SAMPLE DATE			20091027	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091001		20090930	20090930
SAMPLE CODE			DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL		NORMAL	NORMAL
MATRIX	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SO	SO	SO	SO	SO	SO	SO	SO	SO		SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL		NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB		SB	SB
TOP DEPTH			8	5	6	5	5	5	6	5	6		10	9
BOTTOM DEPTH			8	5	6	5	5	5	6	5	6		10	9
VOLATILES (UG/KG)														
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
BAP EQUIVALENT-HALFND	22	15	644	20	1.6 U	50	44	39	25	43	126		1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	644	19	1.6 U	49	43	38	24	42	126		1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	450 J	11	1.1 U	41	35	29	18	24	55		1.2 U	1.1 U
BENZO(A)PYRENE	22	15 C	440 J	14	1.6 U	38	33.5	29	19	34	89		1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	460 J	15	1.4 U	41	35	29	20	35	94		1.5 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	220 J	2.1 U	2 U	17	14.5	12	9.5	15	38		2.1 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
CHRYSENE	22000	15000 C	560 J	16	1.1 U	43	36.5	30	20	28	77		1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	83 J	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	16		1.6 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	270 J	21	1.8 U	25	27.5	30	11	22	57		1.8 U	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
PHENANTHRENE	2300000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
TOTAL PAHS	NC	NC	2483	77	0 U	205	182	159	97.5	158	426		0 U	0 U
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
TOTAL AROCLOR	320 (7)	220 C(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
CHROMIUM	12000 (9)	12000 N(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
MERCURY	2.3 (10)	2.3 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA

LOCATION			SB-698	SB-698	SB-699	SB-699	SB-700	SB-700	SB-701	SB-701	SB-702	SB-702	SB-703
SAMPLE ID			G-SB-698-10	G-SB-698-9	G-SB-699-3	G-SB-699-4	G-SB-700-3	G-SB-700-4	G-SB-701-3	G-SB-701-4	G-SB-702-3	G-SB-702-4	G-SB-703-7
SAMPLE DATE			20090930	20090930	20090929	20090929	20090929	20090929	20090929	20090929	20091007	20091007	20090923
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			10	9	3	4	3	4	3	4	3	4	7
BOTTOM DEPTH			10	9	3	4	3	4	3	4	3	4	7
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	**18**	2.5	**136**	14	**17**	**33**	**67**	**65**	1.5 U	3.1	1.6 U
BAP EQUIVALENT-POS	22	15 C	**17**	0.84	**136**	13	**16**	**32**	**67**	**65**	1.5 U	1.3	1.6 U
BENZO(A)ANTHRACENE	220	150 C	12	1.1 U	92	12	7.9	13	25	27	1.1 U	1.2 U	1.2 U
BENZO(A)PYRENE	22	15 C	12	1.5 U	**96**	11	14	**26**	**48**	**45**	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	18	8.4	100	12	13	31	45	47	1.4 U	13	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1.9 U	1.9 U	44	2 U	1.9 U	8.1	21	21	2 U	2.1 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	14	1 U	99	9.9	1 U	18	35	35	1.1 U	8.7	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.5 U	14	1.5 U	1.5 U	1.5 U	8.9	9.1	1.5 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	20	1.7 U	59	1.8 U	1.7 U	18	31	30	1.8 U	1.9 U	1.9 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	76	8.4	504	44.9	34.9	114.1	213.9	214.1	0 U	21.7	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220 C(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000 N(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-703	SB-704	SB-704	SB-704	SB-704	SB-704	SB-704	SB-704	SB-704	SB-705	SB-705
SAMPLE ID			G-SB-703-8	G-SB-704-10	G-SB-704-3	G-SB-704-4	G-SB-704-5	G-SB-704-6	G-SB-704-7	G-SB-704-8	G-SB-704-9	G-SB-705-3	G-SB-705-4
SAMPLE DATE			20090923	20090923	20090923	20090923	20090923	20090923	20090923	20090923	20090923	20090922	20090922
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	10	3	4	5	6	7	8	9	3	4
BOTTOM DEPTH			8	10	3	4	5	6	7	8	9	3	4
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15 C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	2 U	2 U	2 U	2 U	2 U	2.1 U	2 U	2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	1.1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	1.8 U	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U	1.7 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-707
SAMPLE ID			G-SB-706-10	G-SB-706-3	G-SB-706-4	G-SB-706-5	G-SB-706-6	G-SB-706-6-AVG	G-SB-706-6-D	G-SB-706-7	G-SB-706-8	G-SB-706-9	G-SB-706-9	G-SB-707-3
SAMPLE DATE			20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			10	3	4	5	6	6	6	7	8	9	9	3
BOTTOM DEPTH			10	3	4	5	6	6	6	7	8	9	9	3
VOLATILES (UG/KG)														
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.6 U	20	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.6 U	19	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	1.2 U	14	1.1 U	1.1 U	1.1 U	1.15 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15 C	1.6 U	14	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	1.5 U	17	1.4 U	1.4 U	1.4 U	1.45 U	1.5 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.1 U	7.9	1.9 U	2 U	1.9 U	2 U	2.1 U	2 U	2.1 U	2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	16	1 U	1 U	1 U	1.05 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.55 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	20	1.7 U	1.7 U	1.7 U	1.75 U	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	88.9	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220 C(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000 N(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-707	SB-708	SB-708	SB-708	SB-708	SB-708	SB-709	SB-709
SAMPLE ID			G-SB-707-4	G-SB-708-3	G-SB-708-4	G-SB-708-5	G-SB-708-6	G-SB-708-7	G-SB-709-3	G-SB-709-4
SAMPLE DATE			20090922	20091007	20091007	20091007	20091007	20091007	20090923	20090923
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	3	4	5	6	7	3	4
BOTTOM DEPTH			4	3	4	5	6	7	3	4
VOLATILES (UG/KG)										
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	548	2823	91	1.6 U	1.5 U	51	1.6 U
BAP EQUIVALENT-POS	22	15 C	1.5 U	548	2823	90	1.6 U	1.5 U	50	1.6 U
BENZO(A)ANTHRACENE	220	150 C	1.1 U	420	1900	56	1.2 U	1.1 U	44	1.2 U
BENZO(A)PYRENE	22	15 C	1.5 U	370	2000	70	1.6 U	1.5 U	38	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	490	2500	95	1.5 U	1.4 U	47	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	190	1100	40	2.1 U	2 U	23	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1 U	410	2100	58	1.1 U	1.1 U	42	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	64	270	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.7 U	210	1000	44	1.9 U	1.8 U	25	1.9 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	2154	10870	363	0 U	0 U	219	0 U
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220 C(8)	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000 N(9)	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3 N(11)	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-710	SB-710	SB-710	SB-710	SB-712	SB-712	SB-713	SB-713	SB-714	SB-714	SB-714
SAMPLE ID				G-SB-710-3	G-SB-710-4	G-SB-710-4-AVG	G-SB-710-4-D	G-SB-712-3	G-SB-712-4	G-SB-713-3	G-SB-713-4	G-SB-714-3	G-SB-714-4	G-SB-714-5
SAMPLE DATE				20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20091008	20091008	20091008
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	4	4	4	3	4	3	4	3	4	5
BOTTOM DEPTH				3	4	4	4	3	4	3	4	3	4	5
VOLATILES (UG/KG)														
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		24	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	820	2492	4583
BAP EQUIVALENT-POS	22	15	C	23	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	820	2492	4583
BENZO(A)ANTHRACENE	220	150	C	19	1.2 U	1.2 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	460	1600	3300
BENZO(A)PYRENE	22	15	C	18	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	540	1600	3000
BENZO(B)FLUORANTHENE	220	150	C	23	1.5 U	1.5 U	1.5 U	1.3 U	1.4 U	1.4 U	1.4 U	740	2600	4300
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	10	2.1 U	2.1 U	2.1 U	1.9 U	2 U	2 U	2 U	7.6 U	39 U	61 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	20	1.1 U	1.1 U	1.1 U	0.99 U	1 U	1.1 U	1 U	540	1800	3100
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	1.4 U	1.5 U	1.6 U	1.5 U	120	360	630
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	9.8	1.8 U	1.8 U	1.8 U	1.7 U	1.7 U	1.8 U	1.7 U	390	1100	1900
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		99.8	0 U	0 U	0 U	0 U	0 U	0 U	0 U	2790	9060	16230
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-714	SB-714	SB-714	SB-714	SB-715	SB-715	SB-716	SB-716	SB-716	SB-716	SB-716
SAMPLE ID			G-SB-714-6	G-SB-714-6-AVG	G-SB-714-6-D	G-SB-714-7	G-SB-715-3	G-SB-715-4	G-SB-716-10	G-SB-716-3	G-SB-716-5	G-SB-716-6	G-SB-716-7
SAMPLE DATE			20091008	20091008	20091008	20091008	20090923	20090923	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE			ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			6	6	6	7	3	4	10	3	5	6	7
BOTTOM DEPTH			6	6	6	7	3	4	10	3	5	6	7
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	53040	27129	1218	2404	48	23	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15 C	53040	27129	1218	2404	48	22	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150 C	43000 J	21855	710 J	2100	46	22	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
BENZO(A)PYRENE	22	15 C	35000 J	17895	790 J	1600	35	16	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	51000 J	26100	1200 J	2400	55	27	1.4 U	1.5 U	1.4 U	1.4 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	71 U	36.4 U	1.8 U	4.2 U	22	14	2 U	2.1 U	2 U	2 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	40000 J	20355	710 J	2000	46	22	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	6500 J	3340	180 J	260	1.4 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	21000 J	10780	560 J	920	22	9.2	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	196500	100325	4150	9280	226	110.2	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-716	SB-716	SB-717	SB-717	SB-718	SB-718	SB-719	SB-719	SB-720	SB-720	SB-720
SAMPLE ID			G-SB-716-8	G-SB-716-9	G-SB-717-3	G-SB-717-4	G-SB-718-3	G-SB-718-4	G-SB-719-3	G-SB-719-4	G-SB-720-3	G-SB-720-4	G-SB-720-5
SAMPLE DATE			20090923	20090923	20090922	20090922	20090922	20090922	20090922	20090922	20091008	20091008	20091008
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	9	3	4	3	4	3	4	3	4	5
BOTTOM DEPTH			8	9	3	4	3	4	3	4	3	4	5
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.7 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	2381	177	10
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.7 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	2381	177	9.3
BENZO(A)ANTHRACENE	220	150 C	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1000	80	7 J
BENZO(A)PYRENE	22	15 C	1.5 U	1.7 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1600	120	6.9 J
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	1.6 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	2100	160	11
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	2.2 U	2 U	2.1 U	2 U	1.9 U	2 U	2 U	15 U	3.4 U	1.6 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1 U	1.2 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1 U	1100	82	5.9 J
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.7 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	350	25	1.7 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.7 U	1.9 U	1.8 U	1.8 U	1.7 U	1.7 U	1.8 U	1.7 U	1200	84	5.8 J
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	7350	551	36.6
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-720	SB-720	SB-721	SB-721	SB-721	SB-721	SB-721	SB-722	SB-722	SB-723	SB-723
SAMPLE ID			G-SB-720-6	G-SB-720-7	G-SB-721-3	G-SB-721-4	G-SB-721-5	G-SB-721-6	G-SB-721-7	G-SB-722-3	G-SB-722-4	G-SB-723-3	G-SB-723-3-AVG
SAMPLE DATE			20091008	20091008	20091008	20091008	20091008	20091008	20091008	20090923	20090923	20090924	20090924
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			6	7	3	4	5	6	7	3	4	3	3
BOTTOM DEPTH			6	7	3	4	5	6	7	3	4	3	3
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	2.3 U	2.6	4.9	637	2.2 U	2.2 U	2.3 U	8.2	142	1.6 U	1.7
BAP EQUIVALENT-POS	22	15 C	2.3 U	0.45	4.0	637	2.2 U	2.2 U	2.3 U	6.7	142	1.6 U	0.94
BENZO(A)ANTHRACENE	220	150 C	1.3 U	2 J	3.5 J	360	1.3 U	1.2 U	1.3 U	28	99	1.2 U	1.15 U
BENZO(A)PYRENE	22	15 C	2.3 U	2.4 U	2.6 J	410	2.2 U	2.2 U	2.3 U	1.4 U	110	1.6 U	1.55 U
BENZO(B)FLUORANTHENE	220	150 C	1.7 U	2.5 J	7 J	640	1.6 U	1.6 U	1.7 U	39	140	1.5 U	5.075
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1.7 U	1.8 U	1.7 U	6.3 U	1.7 U	1.6 U	1.7 U	1.9 U	60	2.1 U	2.05 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.5 U	1.8 J	7.7 J	400	1.4 U	1.4 U	1.4 U	28	91	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.8 U	1.9 U	1.8 U	95	1.7 U	1.7 U	1.8 U	1.4 U	1.5 U	1.6 U	1.55 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	0.46 U	0.46 U	3.2 J	320	0.44 U	0.43 U	0.45 U	1.7 U	70	1.8 U	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	6.3	24	2225	0 U	0 U	0 U	95	570	0 U	4.7
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	1200	1090
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-723	SB-723	SB-724	SB-724	SB-724	SB-724	SB-725	SB-725	SB-726	SB-726	SB-726
SAMPLE ID			G-SB-723-3-D	G-SB-723-4	G-SB-724-3	G-SB-724-4	G-SB-724-6	G-SB-724-7	G-SB-725-3	G-SB-725-4	G-SB-726-10	G-SB-726-3	G-SB-726-4
SAMPLE DATE			20090924	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008	20091008
SAMPLE CODE			DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	4	3	4	6	7	3	4	10	3	4
BOTTOM DEPTH			3	4	3	4	6	7	3	4	10	3	4
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	2.6	1.6 U	3125	844	46	1.6 U	1.5 U	1.5 U	2.2 U	4263	1041
BAP EQUIVALENT-POS	22	15 C	0.94	1.6 U	3125	844	46	1.6 U	1.5 U	1.5 U	2.2 U	4263	1041
BENZO(A)ANTHRACENE	220	150 C	1.1 U	1.2 U	2100	570	32	1.1 U	1.1 U	1.1 U	1.3 U	2700	650
BENZO(A)PYRENE	22	15 C	1.5 U	1.6 U	2100	570	35	1.6 U	1.5 U	1.5 U	2.2 U	2800	700
BENZO(B)FLUORANTHENE	220	150 C	9.4	1.5 U	2500	660	48	1.4 U	1.4 U	1.4 U	1.6 U	4300	1000
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	2.1 U	1300	320	19	2 U	1.9 U	2 U	1.6 U	60 U	15 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	1.1 U	1800	590	39	1.1 U	1 U	1.1 U	1.4 U	2700	700
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.6 U	420	110	1.5 U	1.6 U	1.5 U	1.5 U	1.7 U	550	120
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	1.8 U	1300	370	24	1.8 U	1.7 U	1.8 U	0.43 U	2100	550
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	9.4	0 U	11520	3190	197	0 U	0 U	0 U	0 U	15150	3720
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	980	550	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-726	SB-726	SB-726	SB-726	SB-726	SB-727	SB-727	SB-727	SB-727	SB-727	SB-728
SAMPLE ID			G-SB-726-5	G-SB-726-6	G-SB-726-7	G-SB-726-8	G-SB-726-9	G-SB-727-3	G-SB-727-4	G-SB-727-5	G-SB-727-6	G-SB-727-7	G-SB-728-3
SAMPLE DATE			20091008	20091008	20091008	20091008	20091008	20090924	20090924	20090924	20090924	20090924	20090923
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	6	7	8	9	3	4	5	6	7	3
BOTTOM DEPTH			5	6	7	8	9	3	4	5	6	7	3
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	2.4	2.2 U	2.4 U	2.2 U	4.6	578	29	1.6 U	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	0.30	2.2 U	2.4 U	2.2 U	3.7	578	28	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	1.4 J	1.2 U	1.4 U	1.3 U	2.7 J	360	18	1.1 U	1.2 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15 C	2.3 U	2.2 U	2.4 U	2.2 U	2.7 J	400	22	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	1.6 U	1.6 U	1.8 U	1.6 U	4.4 J	450	28	1.4 U	1.5 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1.7 U	1.6 U	1.8 U	1.6 U	1.7 U	230	9	2 U	2.1 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.4 J	1.4 U	1.5 U	1.4 U	2.8 J	400	23	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.8 U	1.7 U	1.9 U	1.7 U	1.8 U	73	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.6 J	0.43 U	0.48 U	0.43 U	2.4 J	210	17	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	4.4	0 U	0 U	0 U	15	2123	117	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180000
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-728	SB-728	SB-728	SB-728	SB-729	SB-729	SB-729	SB-729	SB-729	SB-730	SB-730
SAMPLE ID			G-SB-728-4	G-SB-728-5	G-SB-728-6	G-SB-728-7	G-SB-729-3	G-SB-729-4	G-SB-729-5	G-SB-729-6	G-SB-729-7	G-SB-730-4	G-SB-730-5
SAMPLE DATE			20090923	20090923	20090923	20090923	20090924	20090924	20090924	20090924	20090924	20090924	20090924
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	5	6	7	3	4	5	6	7	4	5
BOTTOM DEPTH			4	5	6	7	3	4	5	6	7	4	5
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	NA	NA	NA	963	60	3.4	1.6 U	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.5 U	NA	NA	NA	963	59	1.7	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	1.1 U	NA	NA	NA	670	28	8.5	1.1 U	1.1 U	1.2 U	1.1 U
BENZO(A)PYRENE	22	15 C	1.5 U	NA	NA	NA	650	46	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	NA	NA	NA	850	65	8.9	1.4 U	1.4 U	1.5 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	NA	NA	NA	370	20	2.1 U	2 U	2 U	2.1 U	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	NA	NA	NA	690	45	1.1 U	1.1 U	1.1 U	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	NA	NA	NA	120	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	NA	NA	NA	370	37	1.9 U	1.8 U	1.8 U	1.8 U	1.7 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	NA	NA	NA	3720	241	17.4	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	980000	780000	440000	82000	NA	NA	NA	NA	NA	NA	110000
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-731	SB-731	SB-732	SB-732	SB-732	SB-732	SB-732	SB-733	SB-733	SB-734	SB-734
SAMPLE ID			G-SB-731-3	G-SB-731-4	G-SB-732-3	G-SB-732-4	G-SB-732-5	G-SB-732-6	G-SB-732-7	G-SB-733-3	G-SB-733-4	G-SB-734-6	G-SB-734-7
SAMPLE DATE			20090923	20090923	20091008	20091008	20091008	20091008	20091008	20090924	20090924	20090923	20090923
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	4	3	4	5	6	7	3	4	6	7
BOTTOM DEPTH			3	4	3	4	5	6	7	3	4	6	7
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.4 U	1.6 U	761	66	2.2 U	5.0	2.2 U	1.6 U	1.6 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15 C	1.4 U	1.6 U	761	66	2.2 U	4.1	2.2 U	1.6 U	1.6 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150 C	1.1 U	1.2 U	400	22	1.3 U	3.8 J	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U
BENZO(A)PYRENE	22	15 C	1.4 U	1.6 U	490	43	2.2 U	3.2 J	2.2 U	1.6 U	1.6 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	1.3 U	1.5 U	680	57	1.6 U	3.5 J	1.6 U	1.5 U	1.5 U	1.4 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1.9 U	2.1 U	30 U	1.4 U	1.6 U	1.6 U	1.6 U	2.1 U	2.1 U	2 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1 U	1.1 U	500	25	1.4 U	2.9 J	1.4 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.4 U	1.6 U	120 J	10	1.7 U	1.7 U	1.7 U	1.6 U	1.6 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.7 U	1.9 U	420	49	0.43 U	1.9 J	0.43 U	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	2610	206	0 U	15.3	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	150000	920
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-735	SB-735	SB-735	SB-735	SB-735	SB-735	SB-735A	SB-735A	SB-735A	SB-735B	SB-735B
SAMPLE ID				G-SB-735-3	G-SB-735-5	G-SB-735-5-AVG	G-SB-735-5-D	G-SB-735-7	G-SB-735-9	G-SB-735A-3	G-SB-735A-5	G-SB-735A-9	G-SB-735B-3	G-SB-735B-5
SAMPLE DATE				20091021	20091021	20091021	20091021	20091021	20091103	20091112	20091112	20091112	20091112	20091112
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	5	5	7	9	3	5	9	3	5
BOTTOM DEPTH				3	5	5	5	7	9	3	5	9	3	5
VOLATILES (UG/KG)														
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		211	3808	8463	13119	3534	265	2795	57089	131	30	19
BAP EQUIVALENT-POS	22	15	C	211	3808	8463	13119	3534	265	2792	57089	130	29	18
BENZO(A)ANTHRACENE	220	150	C	170	3000 J	7000	11000 J	2700	200	3000	44000	110	26	1.1 U
BENZO(A)PYRENE	22	15	C	140	2600 J	5850	9100 J	2400	180	2100	37000	99	22	15
BENZO(B)FLUORANTHENE	220	150	C	170	3400 J	6700	10000 J	3500	240	2800	55000	140	28	20
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	99	1500 J	2750	4000 J	1100	100	1300	25000	49	12	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	150	2800 J	5800	8800 J	2600	200	2600	39000	130	24	13
DIBENZO(A,H)ANTHRACENE	22	15	C	28	410 J	905	1400 J	370	30	7.7 U	7800	1.5 U	1.4 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	82	1400 J	3050	4700 J	1300	100	960	21000	54	14	9.8
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		839	15110	32055	49000	13970	1050	12760	228800	582	126	57.8
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-735B	SB-735B	SB-735B	SB-735B	SB-735C	SB-735C	SB-735C	SB-736	SB-736B	SB-736B	SB-736B
SAMPLE ID			G-SB-735B-7	G-SB-735B-7-AVG	G-SB-735B-7-D	G-SB-735B-9	G-SB-735C-3	G-SB-735C-5	G-SB-735C-7	G-SB-736-3	G-SB-736B-3	G-SB-736B-5	G-SB-736B-7
SAMPLE DATE			20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091112	20091112	20091112
SAMPLE CODE			ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			7	7	7	9	3	5	7	3	3	5	7
BOTTOM DEPTH			7	7	7	9	3	5	7	3	3	5	7
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	9.4	12	15	16	19	74	71	8497	1319	319	9.4
BAP EQUIVALENT-POS	22	15 C	8.4	11	14	15	18	67	70	8497	1319	318	8.4
BENZO(A)ANTHRACENE	220	150 C	1.2 U	1.2 U	1.2 U	13	17	8 U	45	10000	1100	310	1.1 U
BENZO(A)PYRENE	22	15 C	8.4	10.2	12	12	14	58	54	5600	910	240	8.4
BENZO(B)FLUORANTHENE	220	150 C	1.5 UJ	9.875	19 J	15	19	90	67	8800	1200	340	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	14 U	32	2900	480	150	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	9.1	4.825	1.1 U	16	19	71	49	7800	1000	300	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	11 U	1.6 U	730	130	1.6 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.9 U	1.85 U	1.8 U	1.8 U	1.8 U	13 U	42	2500	430	110	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	17.5	24.25	31	56	69	219	289	38330	5250	1450	8.4
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-736B	SB-736C	SB-736C	SB-736C	SB-736C	SB-737	SB-737	SB-737	SB-738	SB-738	SB-738
SAMPLE ID			G-SB-736B-9	G-SB-736C-3	G-SB-736C-5	G-SB-736C-7	G-SB-736C-9	G-SB-737-3	G-SB-737-5	G-SB-737-7	G-SB-738-4	G-SB-738-6	G-SB-738-8
SAMPLE DATE			20091112	20091112	20091112	20091112	20091112	20091021	20091021	20091021	20091008	20091008	20091008
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			9	3	5	7	9	3	5	7	4	6	8
BOTTOM DEPTH			9	3	5	7	9	3	5	7	4	6	8
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.6 U	68	192	1.5 U	27	1.6 U	1.5 U	1.5 U	2.1 U	2.3 U	2.2 U
BAP EQUIVALENT-POS	22	15 C	1.6 U	68	191	1.5 U	27	1.6 U	1.5 U	1.5 U	2.1 U	2.3 U	2.2 U
BENZO(A)ANTHRACENE	220	150 C	1.2 U	44	140	1.1 U	20	1.1 U	1.1 U	1.1 U	1.2 U	1.3 U	1.3 U
BENZO(A)PYRENE	22	15 C	1.6 U	53	150	1.5 U	21	1.6 U	1.5 U	1.5 U	2.1 U	2.3 U	2.2 U
BENZO(B)FLUORANTHENE	220	150 C	1.5 U	65	180	1.4 U	21	1.4 U	1.4 U	1.4 U	1.5 U	1.6 U	1.6 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.1 U	27	81	2 U	2 U	2 U	2 U	2 U	1.6 U	1.7 U	1.7 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	60	170	1.1 U	19	1.1 U	1.1 U	1.1 U	1.3 U	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U	1.8 U	1.7 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.9 U	34	82	1.8 U	15	1.8 U	1.8 U	1.8 U	0.41 U	0.45 U	0.44 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	283	803	0 U	96	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-739	SB-739	SB-739
SAMPLE ID			G-SB-739-4	G-SB-739-6	G-SB-739-8
SAMPLE DATE			20091008	20091008	20091008
SAMPLE CODE			NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB
TOP DEPTH			4	6	8
BOTTOM DEPTH			4	6	8
VOLATILES (UG/KG)					
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA
SEMIVOLATILES (UG/KG)					
BENZOIC ACID	NC	24000000 N	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)					
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	2.2 U	2.2 U	2.3 U
BAP EQUIVALENT-POS	22	15 C	2.2 U	2.2 U	2.3 U
BENZO(A)ANTHRACENE	220	150 C	1.2 U	1.3 U	1.3 U
BENZO(A)PYRENE	22	15 C	2.2 U	2.2 U	2.3 U
BENZO(B)FLUORANTHENE	220	150 C	1.6 U	1.6 U	1.6 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1.6 U	1.6 U	1.7 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA
CHRYSENE	22000	15000 C	1.3 U	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.7 U	1.7 U	1.8 U
FLUORANTHENE	310000	230000 N	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	0.42 U	0.44 U	0.44 U
NAPHTHALENE	160000	3600 C	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)					
AROCLOR-1260	320	220 C	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA
METALS (MG/KG)					
ANTIMONY	3.1	3.1 N	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA
COPPER	310	310 N	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA
LEAD	400	400	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA
SILVER	39	39 N	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)					
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)					
PERCENT SOLIDS	NC	NC	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)					
PH	NC	NC	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-740	SB-740	SB-740	SB-741	SB-741	SB-741	SB-742	SB-742	SB-742	SB-743	SB-743
SAMPLE ID			G-SB-740-4	G-SB-740-6	G-SB-740-8	G-SB-741-4	G-SB-741-6	G-SB-741-8	G-SB-742-4	G-SB-742-6	G-SB-742-8	G-SB-743-4	G-SB-743-6
SAMPLE DATE			20091008	20091008	20091008	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	6	8	4	6	8	4	6	8	4	6
BOTTOM DEPTH			4	6	8	4	6	8	4	6	8	4	6
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	2.2 U	2.2 U	2.1 U	2.2 U	2.9	2.2 U	11	4.4	2.2 U	2.2 U	2.2 U
BAP EQUIVALENT-POS	22	15 C	2.2 U	2.2 U	2.1 U	2.2 U	0.87	2.2 U	11	3.5	2.2 U	2.2 U	2.2 U
BENZO(A)ANTHRACENE	220	150 C	1.2 U	1.2 U	1.2 U	1.2 U	2.2 J	1.3 U	6.3 J	2.5 J	1.3 U	1.3 U	1.2 U
BENZO(A)PYRENE	22	15 C	2.2 U	2.2 U	2.1 U	2.2 U	2.3 U	2.2 U	8.5	2.8 J	2.2 U	2.2 U	2.2 U
BENZO(B)FLUORANTHENE	220	150 C	1.6 U	1.6 U	1.5 U	1.6 U	5 J	1.6 U	6.9 J	4.4 J	1.6 U	1.6 U	1.6 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	6 J	1.6 U	1.6 U	1.6 U	1.6 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.4 U	1.3 U	1.3 U	1.3 U	3.1 J	1.4 U	7.8 J	2.8 J	1.4 U	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	0.43 U	0.42 U	0.42 U	0.42 U	1.5 J	0.44 U	6.7 J	0.43 U	0.44 U	0.43 U	0.43 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	11.8	0 U	42.2	12.5	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-743	SB-744	SB-744	SB-744	SB-745	SB-745	SB-745	SB-745	SB-745	SB-745A	SB-745B
SAMPLE ID			G-SB-743-8	G-SB-744-4	G-SB-744-6	G-SB-744-8	G-SB-745-4	G-SB-745-4-AVG	G-SB-745-4-D	G-SB-745-6	G-SB-745-8	G-SB-745A-4	G-SB-745B-4
SAMPLE DATE			20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091021	20091021
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			8	4	6	8	4	4	4	6	8	4	4
BOTTOM DEPTH			8	4	6	8	4	4	4	6	8	4	4
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	56	2.2 U	1.5 U	1.7 U
BAP EQUIVALENT-POS	22	15 C	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	56	2.2 U	1.5 U	1.7 U
BENZO(A)ANTHRACENE	220	150 C	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.25 U	1.2 U	38	1.2 U	1.1 U	1.2 U
BENZO(A)PYRENE	22	15 C	2.2 U	2.3 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	37	2.2 U	1.5 U	1.7 U
BENZO(B)FLUORANTHENE	220	150 C	1.6 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	60	1.6 U	1.4 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	1.6 U	1.7 U	1.7 U	1.7 U	1.7 U	1.65 U	1.6 U	1.7 U	1.6 U	2 U	2.2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	39	1.4 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.7 U	1.8 U	1.8 U	1.7 U	1.8 U	1.75 U	1.7 U	6.8 J	1.7 U	1.5 U	1.7 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	0.43 U	0.45 U	0.46 U	0.44 U	0.44 U	0.435 U	0.43 U	21	0.43 U	1.8 U	1.9 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	201.8	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220 C(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000 N(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-745C	SB-746	SB-746	SB-746	SB-747	SB-747	SB-747	SB-748	SB-748	SB-748	SB-749
SAMPLE ID			G-SB-745C-4	G-SB-746-4	G-SB-746-6	G-SB-746-8	G-SB-747-4	G-SB-747-6	G-SB-747-8	G-SB-748-4	G-SB-748-6	G-SB-748-8	G-SB-749-4
SAMPLE DATE			20091021	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091021
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			4	4	6	8	4	6	8	4	6	8	4
BOTTOM DEPTH			4	4	6	8	4	6	8	4	6	8	4
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.7 U	2.2 U	2.2 U	2.2 U	2.1 U	2.2 U	2.2 U	2.5	2.2 U	2.2 U	1.4 U
BAP EQUIVALENT-POS	22	15 C	1.7 U	2.2 U	2.2 U	2.2 U	2.1 U	2.2 U	2.2 U	0.48	2.2 U	2.2 U	1.4 U
BENZO(A)ANTHRACENE	220	150 C	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.3 U	1.3 U	3.1 J	1.3 U	1.3 U	1 U
BENZO(A)PYRENE	22	15 C	1.7 U	2.2 U	2.2 U	2.2 U	2.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.4 U
BENZO(B)FLUORANTHENE	220	150 C	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 J	1.6 U	1.6 U	1.3 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.2 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.7 U	1.7 U	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	1.3 U	1.4 U	1.4 U	1.3 U	1.4 U	1.4 U	8.5	1.4 U	1.4 U	0.99 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.4 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.9 U	0.42 U	0.43 U	0.43 U	0.41 U	0.43 U	0.44 U	0.43 U	0.44 U	0.44 U	1.7 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	13.2	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-749	SB-750	SB-750	SB-751	SB-751	SB-752	SB-752	SB-752	SB-752	SB-753	SB-753
SAMPLE ID			G-SB-749-6	G-SB-750-4	G-SB-750-6	G-SB-751-4	G-SB-751-6	G-SB-752-4	G-SB-752-6	G-SB-752-6-AVG	G-SB-752-6-D	G-SB-753-4	G-SB-753-6
SAMPLE DATE			20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			6	4	6	4	6	4	6	6	6	4	6
BOTTOM DEPTH			6	4	6	4	6	4	6	6	6	4	6
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	39	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.5 U	38	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	1.1 U	34	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15 C	1.5 U	29	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	38	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	16	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	34	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	17	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	168	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	36 J	39 J	41 J	41 J	42.5	44 J	46 J	34 J
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-754	SB-754	SB-755	SB-755	SB-755	SB-755	SB-756	SB-756	SB-757	SB-757	SB-758
SAMPLE ID				G-SB-754-4	G-SB-754-6	G-SB-755-4	G-SB-755-6	G-SB-755-6-AVG	G-SB-755-6-D	G-SB-756-4	G-SB-756-6	G-SB-757-4	G-SB-757-6	G-SB-758-4
SAMPLE DATE				20091021	20091021	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	6	4	6	6	6	4	6	4	6	4
BOTTOM DEPTH				4	6	4	6	6	6	4	6	4	6	4
VOLATILES (UG/KG)														
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	1.5 U	15	15	16 U	1.5 U	1.5 U	3674	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	1.5 U	14	14	16 U	1.5 U	1.5 U	3674	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	1.1 U	1.2 U	6.1 U	11 U	1.1 U	1.1 U	2400	1.2 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	1.5 U	11	11	16 U	1.5 U	1.5 U	2500	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	1.4 U	21	14	14 U	1.4 U	1.4 U	3500	1.5 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	2 U	8.7	8.7	20 U	2 U	1.9 U	1100	2.1 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	1.1 U	6.05 U	11 U	1 U	1 U	2500	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.5 U	1.7 U	8.85 U	16 U	1.5 U	1.5 U	430	1.6 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.8 U	9.4	9.4	18 U	1.7 U	1.7 U	1400	1.9 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	50.1	25.05	0 U	0 U	0 U	13830	0 U	0 U
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		5000	62 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-758	SB-759	SB-759	SB-759	SB-760	SB-760	SB-760	SB-761	SB-761	SB-761	SB-761
SAMPLE ID			G-SB-758-6	G-SB-759-3	G-SB-759-5	G-SB-759-7	G-SB-760-3	G-SB-760-5	G-SB-760-7	G-SB-761-3	G-SB-761-5	G-SB-761-7	G-SB-761-9
SAMPLE DATE			20091103	20091113	20091113	20091113	20091113	20091113	20091113	20090930	20090930	20090930	20090930
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			6	3	5	7	3	5	7	3	5	7	9
BOTTOM DEPTH			6	3	5	7	3	5	7	3	5	7	9
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.6 U	1915	1.7 U	13	1212	444	1.6 U	1.5 U	30	1.6 U	6993
BAP EQUIVALENT-POS	22	15 C	1.6 U	1915	1.7 U	12	1212	444	1.6 U	1.5 U	29	1.6 U	6993
BENZO(A)ANTHRACENE	220	150 C	1.1 U	1100	1.3 U	10	890	270	1.1 U	1.1 U	31	1.1 U	5000
BENZO(A)PYRENE	22	15 C	1.6 U	1100	1.7 U	11	790	300	1.6 U	1.5 U	21	1.6 U	4900
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	1500	1.6 U	1.5 U	910	410	1.4 U	1.4 U	26	1.4 U	6000
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	510	2.2 U	2.1 U	300	110	2 U	2 U	11	2 U	1700
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.1 U	1000	1.2 U	9.5	920	300	1.1 U	1 U	26	1.1 U	5700
DIBENZO(A,H)ANTHRACENE	22	15 C	1.6 U	460	1.7 U	1.6 U	190	59	1.6 U	1.5 U	1.6 U	1.6 U	700
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	890	2 U	1.8 U	480	160	1.8 U	1.7 U	26	1.8 U	2700
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	6560	0 U	30.5	4480	1609	0 U	0 U	141	0 U	26700
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220 C(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000 N(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-761A	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B	SB-761B	SB-761B	SB-761B	SB-761B	SB-761B	SB-761C
SAMPLE ID			G-SB-761A-3	G-SB-761A-5	G-SB-761A-7	G-SB-761A-9	G-SB-761B-3	G-SB-761B-3-AVG	G-SB-761B-3-D	G-SB-761B-5	G-SB-761B-7	G-SB-761B-9	G-SB-761C-3
SAMPLE DATE			20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	7	9	3	3	3	5	7	9	3
BOTTOM DEPTH			3	5	7	9	3	3	3	5	7	9	3
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	23	3432	15	2640	78	102	127	59	27	1392	16
BAP EQUIVALENT-POS	22	15 C	22	3432	14	2640	78	102	126	59	26	1392	15
BENZO(A)ANTHRACENE	220	150 C	14	1800	9.9	1300	66 J	93	120 J	47	24	1200	16
BENZO(A)PYRENE	22	15 C	18	2500	12	1900	53 J	75.5	98 J	39	20	970	12
BENZO(B)FLUORANTHENE	220	150 C	18	2000	12	1900	55 J	75	95 J	37	22	1000	12
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	7.9	1000	2.1 U	810	28 J	43	58 J	22	8.3	490	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	18	2200	11	1700	73 J	101.5	130 J	55	27	1500	18
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	420	1.6 U	290	9.7	5.225	1.5 U	8.7	1.6 U	140	1.5 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	12	1200	1.8 U	1200	31 J	43.5	56 J	23	11	560	1.7 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	87.9	11120	44.9	9100	315.7	436.35	557	231.7	112.3	5860	58
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-761C	SB-761C	SB-761C	SB-761D	SB-761D	SB-761D	SB-761D	SB-761D	SB-761D	SB-762	SB-762
SAMPLE ID			G-SB-761C-5	G-SB-761C-7	G-SB-761C-9	G-SB-761D-3	G-SB-761D-5	G-SB-761D-7	G-SB-761D-7-AVG	G-SB-761D-7-D	G-SB-761D-9	G-SB-762-3	G-SB-762-5
SAMPLE DATE			20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091001	20091001
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	7	9	3	5	7	7	7	9	3	5
BOTTOM DEPTH			5	7	9	3	5	7	7	7	9	3	5
VOLATILES (UG/KG)													
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	279	2.7	63	17	390	1.6 U	1.55 U	1.5 U	28127	1.5 U	355
BAP EQUIVALENT-POS	22	15 C	279	0.89	63	17	390	1.6 U	1.55 U	1.5 U	28127	1.5 U	355
BENZO(A)ANTHRACENE	220	150 C	240	8.8	55	14	320	1.1 U	1.1 U	1.1 U	23000	1.1 U	250
BENZO(A)PYRENE	22	15 C	190	1.6 U	42	13	260	1.6 U	1.55 U	1.5 U	20000	1.5 U	240
BENZO(B)FLUORANTHENE	220	150 C	210	1.5 U	46	13	270	1.4 U	1.4 U	1.4 U	19000	1.4 U	270
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	96	2.1 U	22	2 U	140	2 U	2 U	2 U	9800	2 U	110
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	250	9.1	61	15	370	1.1 U	1.1 U	1.1 U	29000	1 U	280
DIBENZO(A,H)ANTHRACENE	22	15 C	30	1.6 U	8.3	1.5 U	54	1.6 U	1.55 U	1.5 U	2800	1.5 U	47
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	130	1.8 U	26	8.6	150	1.8 U	1.8 U	1.8 U	10000	1.7 U	150
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	1146	17.9	260.3	63.6	1564	0 U	0 U	0 U	113600	0 U	1347
PESTICIDES/PCBS (UG/KG)													
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220 C(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)													
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000 N(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-762	SB-762	SB-762A	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B	SB-762B	SB-762C
SAMPLE ID				G-SB-762-7	G-SB-762-9	G-SB-762A-3	G-SB-762A-5	G-SB-762A-7	G-SB-762A-9	G-SB-762B-3	G-SB-762B-5	G-SB-762B-7	G-SB-762B-9	G-SB-762C-3
SAMPLE DATE				20091001	20091001	20091022	20091022	20091022	20091022	20091023	20091023	20091023	20091023	20091022
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	9	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH				7	9	3	5	7	9	3	5	7	9	3
VOLATILES (UG/KG)														
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)														
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)														
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		19	364	1.7	14	11	13512	1.5 U	1.6 U	1.6 U	129	1.5 U
BAP EQUIVALENT-POS	22	15	C	18	364	0.0085	13	10	13512	1.5 U	1.6 U	1.6 U	129	1.5 U
BENZO(A)ANTHRACENE	220	150	C	14	230	1.1 U	11	9.3	9900	1.1 U	1.2 U	1.2 U	78	1.1 U
BENZO(A)PYRENE	22	15	C	14	250	1.5 U	11	8.6	9100	1.5 U	1.6 U	1.6 U	91	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	15	250	1.4 U	10	8.3	9900	1.4 U	1.5 U	1.5 U	100	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	120	2 U	2 U	2.1 U	4200	2 U	2.1 U	2.1 U	47	1.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	16	260	8.5	11	9.6	10000	1.1 U	1.1 U	1.1 U	100	1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	49	1.5 U	1.6 U	1.6 U	1900	1.5 U	1.6 U	1.6 U	14	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	9.3	160	1.7 U	1.8 U	1.9 U	4800	1.8 U	1.8 U	1.8 U	61	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		68.3	1319	8.5	43	35.8	49800	0 U	0 U	0 U	491	0 U
PESTICIDES/PCBS (UG/KG)														
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)														
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)														
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)														
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)														
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-762C	SB-762C	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D
SAMPLE ID			G-SB-762C-5	G-SB-762C-7	G-SB-762D-3	G-SB-762D-5	G-SB-762D-7	G-SB-762D-7-AVG	G-SB-762D-7-D	G-SB-762D-9
SAMPLE DATE			20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	7	3	5	7	7	7	9
BOTTOM DEPTH			5	7	3	5	7	7	7	9
VOLATILES (UG/KG)										
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	626	44	1.5 U	240	1.6 U	1.6 U	1.6 U	5047
BAP EQUIVALENT-POS	22	15 C	626	43	1.5 U	239	1.6 U	1.6 U	1.6 U	5047
BENZO(A)ANTHRACENE	220	150 C	520	41	1.1 U	150	1.2 U	1.2 U	1.2 U	2700
BENZO(A)PYRENE	22	15 C	440	33	1.5 U	190	1.6 U	1.6 U	1.6 U	3500
BENZO(B)FLUORANTHENE	220	150 C	460	38	1.4 U	220	1.5 U	1.5 U	1.5 U	3900
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	190	15	2 U	97	2.1 U	2.1 U	2.1 U	1400
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	520	44	1 U	190	1.1 U	1.1 U	1.1 U	3400
DIBENZO(A,H)ANTHRACENE	22	15 C	65	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	670
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	210	19	1.7 U	110	1.8 U	1.8 U	1.8 U	2000
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	2405	190	0 U	957	0 U	0 U	0 U	17570
PESTICIDES/PCBS (UG/KG)										
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)										
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)										
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-763	SB-763	SB-763	SB-763	SB-763	SB-763	SB-763A	SB-763A	SB-763A
SAMPLE ID				G-SB-763-3	G-SB-763-3-AVG	G-SB-763-3-D	G-SB-763-5	G-SB-763-7	G-SB-763-9	G-SB-763A-3	G-SB-763A-5	G-SB-763A-7
SAMPLE DATE				20091001	20091001	20091001	20091001	20091001	20091001	20091023	20091023	20091023
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	3	3	5	7	9	3	5	7
BOTTOM DEPTH				3	3	3	5	7	9	3	5	7
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**16**	9.7	3.3	**97**	**22**	4.2	1.7	12	1.6 U
BAP EQUIVALENT-POS	22	15	C	**15**	8.5	1.6	**97**	**22**	2.6	0.0079	11	1.6 U
BENZO(A)ANTHRACENE	220	150	C	11	5.8	1.2 U	63	16	8.5	1.1 U	9.6	1.2 U
BENZO(A)PYRENE	22	15	C	11	5.9	1.6 U	**58**	**16**	1.6 U	1.5 U	9.1	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	13	6.875	1.5 U	65	18	1.5 U	1.4 U	9.3	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.05 U	2.1 U	27	2.1 U	2.1 U	2 U	2 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	13	6.775	1.1 U	69	19	1.1 U	7.9	8.9	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.55 U	1.6 U	**21**	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	19	17.5	16	44	22	17	1.7 U	1.7 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		67	41.5	16	347	91	25.5	7.9	36.9	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-763A	SB-763B	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763C
SAMPLE ID				G-SB-763A-9	G-SB-763B-3	G-SB-763B-5	G-SB-763B-7	G-SB-763B-9	G-SB-763C-3	G-SB-763C-5	G-SB-763C-7	G-SB-763C-9
SAMPLE DATE				20091023	20091027	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	3	5	7	9	3	5	7	9
BOTTOM DEPTH				9	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1539	1.5 U	15495	1.7	270	17	9096	24	4608
BAP EQUIVALENT-POS	22	15	C	1539	1.5 U	15495	0.0078	270	16	9096	23	4599
BENZO(A)ANTHRACENE	220	150	C	950	1.1 U	9500	1.1 U	150	14	6500	21	4100
BENZO(A)PYRENE	22	15	C	1100	1.5 U	11000	1.5 U	200	13	6200	18	3600
BENZO(B)FLUORANTHENE	220	150	C	1100	1.4 U	10000	1.4 U	180	13	7500	20	3700
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	550	2 U	5400	2 U	130	2.1 U	2800	1.9 U	1500
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1200	1.1 U	11000	7.8	190	16	8000	24	4300
DIBENZO(A,H)ANTHRACENE	22	15	C	170	1.5 U	1900	1.5 U	25	1.6 U	1100	1.5 U	17 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	570	1.8 U	5800	1.7 U	110	1.9 U	3600	9.4	2000
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		5640	0 U	54600	7.8	985	56	35700	92.4	19200
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-764	SB-764	SB-764
SAMPLE ID				G-SB-763D-3	G-SB-763D-5	G-SB-763D-7	G-SB-763D-7-AVG	G-SB-763D-7-D	G-SB-763D-9	G-SB-764-3	G-SB-764-5	G-SB-764-5-AVG
SAMPLE DATE				20091023	20091023	20091023	20091023	20091023	20091023	20091002	20091002	20091002
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	7	7	9	3	5	5
BOTTOM DEPTH				3	5	7	7	7	9	3	5	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	34	1.6 U	1.6 U	1.6 U	2.8	124	1396	1857
BAP EQUIVALENT-POS	22	15	C	1.6 U	33	1.6 U	1.6 U	1.6 U	1.0	124	1394	1856
BENZO(A)ANTHRACENE	220	150	C	1.1 U	29	1.2 U	1.2 U	1.2 U	9.9	110	1100 J	1550
BENZO(A)PYRENE	22	15	C	1.6 U	24	1.6 U	1.6 U	1.6 U	1.6 U	94	1100	1450
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	41	1.5 U	1.5 U	1.5 U	1.5 U	130	1200 J	1650
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	13	2.1 U	2.1 U	2.1 U	2.1 U	50	510 J	755
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	29	1.1 U	1.1 U	1.1 U	8.3	110	1200 J	1650
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	3.1 U	3.55 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	17	1.8 U	1.8 U	1.8 U	1.9 U	50	580	765
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	153	0 U	0 U	0 U	18.2	544	5690	7820
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-764	SB-764	SB-764	SB-764A	SB-764A	SB-764A	SB-764A	SB-764B	SB-764B
SAMPLE ID				G-SB-764-5-D	G-SB-764-7	G-SB-764-9	G-SB-764A-3	G-SB-764A-5	G-SB-764A-7	G-SB-764A-9	G-SB-764B-3	G-SB-764B-5
SAMPLE DATE				20091002	20091002	20091002	20091027	20091027	20091027	20091027	20091113	20091113
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5	7	9	3	5
BOTTOM DEPTH				5	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2319	1.5 U	1301	1.6 U	44	1.5 U	2117	95	76
BAP EQUIVALENT-POS	22	15	C	2317	1.5 U	1300	1.6 U	44	1.5 U	2117	95	76
BENZO(A)ANTHRACENE	220	150	C	2000 J	1.1 U	1200	1.1 U	27	1.1 U	1700	48	34
BENZO(A)PYRENE	22	15	C	1800	1.5 U	1000	1.6 U	35	1.5 U	1500	52	40
BENZO(B)FLUORANTHENE	220	150	C	2100 J	1.4 U	1200	1.4 U	35	1.4 U	1700	75	54
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1000 J	1.9 U	630	2 U	19	1.9 U	740	24	20
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	2100 J	1 U	1300	1.1 U	38	1 U	1800	54	41
DIBENZO(A,H)ANTHRACENE	22	15	C	4 U	1.5 U	3.2 U	1.6 U	1.5 U	1.5 U	200	26	23
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	950	1.7 U	520	1.8 U	22	1.7 U	680	48	39
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		9950	0 U	5850	0 U	176	0 U	8320	327	251
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-764B	SB-764B	SB-764C	SB-764C	SB-764C	SB-764C	SB-764D	SB-764D	SB-764D
SAMPLE ID				G-SB-764B-5-AVG	G-SB-764B-5-D	G-SB-764C-3	G-SB-764C-5	G-SB-764C-7	G-SB-764C-9	G-SB-764D-3	G-SB-764D-3-AVG	G-SB-764D-3-D
SAMPLE DATE				20091113	20091113	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	5	3	5	7	9	3	3	3
BOTTOM DEPTH				5	5	3	5	7	9	3	3	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		91	106	15	7060	225	16912	11	12	13
BAP EQUIVALENT-POS	22	15	C	91	106	14	7060	225	16912	10	11	12
BENZO(A)ANTHRACENE	220	150	C	44.5	55	12	5100	150	15000	9.4	9.4	9.4
BENZO(A)PYRENE	22	15	C	51	62	12	4600	150	12000	9.3	9.65	10
BENZO(B)FLUORANTHENE	220	150	C	62.5	71	11	4800	170	14000	1.6 U	4.7	8.6
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	26.5	33	2 U	2400	56	4600	2.2 U	2.15 U	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	54.5	68	14	6100	170	16000	13	12.5	12
DIBENZO(A,H)ANTHRACENE	22	15	C	24.5	26	1.5 U	1200	34	1300	1.7 U	1.65 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	44	49	1.7 U	2400	82	6500	2 U	1.95 U	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		307.5	364	49	26600	812	69400	31.7	35.85	40
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-764D	SB-764D	SB-764D	SB-765	SB-765	SB-765	SB-765	SB-765A	SB-765A
SAMPLE ID				G-SB-764D-5	G-SB-764D-7	G-SB-764D-9	G-SB-765-3	G-SB-765-5	G-SB-765-7	G-SB-765-9	G-SB-765A-3	G-SB-765A-5
SAMPLE DATE				20091027	20091027	20091027	20091002	20091002	20091002	20091002	20091028	20091028
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5	7	9	3	5
BOTTOM DEPTH				5	7	9	3	5	7	9	3	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		21710	504	11763	1.6 U	406	1.5 U	67	105	327
BAP EQUIVALENT-POS	22	15	C	21710	504	11763	1.6 U	406	1.5 U	66	105	327
BENZO(A)ANTHRACENE	220	150	C	20000	410	9700	1.1 U	360	1.1 U	57	69	240
BENZO(A)PYRENE	22	15	C	15000	340	8100	1.6 U	270	1.5 U	52	83	210
BENZO(B)FLUORANTHENE	220	150	C	17000	370	9800	1.4 U	300	1.4 U	57	92	230
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	6800	180	3200	2 U	130	2 U	31	25	110
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	22000	480	11000	1.1 U	330	1.1 U	57	82	260
DIBENZO(A,H)ANTHRACENE	22	15	C	2100	65	1200	1.6 U	53	1.5 U	1.6 U	1.5 U	56
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	8200	190	4700	1.8 U	150	1.8 U	25	52	130
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		91100	2035	47700	0 U	1593	0 U	279	403	1236
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-765A	SB-765B	SB-765B	SB-765B	SB-765C	SB-765C	SB-765C	SB-765D	SB-765D
SAMPLE ID				G-SB-765A-7	G-SB-765B-3	G-SB-765B-5	G-SB-765B-7	G-SB-765C-3	G-SB-765C-5	G-SB-765C-7	G-SB-765D-3	G-SB-765D-5
SAMPLE DATE				20091028	20091113	20091113	20091113	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	3	5	7	3	5	7	3	5
BOTTOM DEPTH				7	3	5	7	3	5	7	3	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N [5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2.5	**78**	**28**	**80**	**39**	**9950**	**39**	**30**	**3834**
BAP EQUIVALENT-POS	22	15	C	0.8	**78**	**27**	**79**	**38**	**9950**	**38**	**29**	**3834**
BENZO(A)ANTHRACENE	220	150	C	8	42	17	54	12	**7200**	12	8	**2400**
BENZO(A)PYRENE	22	15	C	1.5 U	**42**	**21**	**60**	**31**	**6500**	**31**	**28**	**2600**
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	50	14	82	34	**7200**	31	1.4 U	**3000**
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	19	23	23	2.1 U	**3300**	8.1	2 U	1100
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1 U	49	25	67	12	6800	18	1.1 U	2800
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	**23**	1.6 U	1.6 U	1.6 U	**1600**	1.5 U	1.5 U	**530**
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	37	28	51	24	**3700**	25	1.8 U	**1500**
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N [6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		8	262	128	337	113	36300	125.1	36	13930
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-765D	SB-803	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-804
SAMPLE ID				G-SB-765D-7	G-SB-803-03	G-SB-803-05	G-SB-803-07	G-SB-803-09	G-SB-804-03	G-SB-804-05	G-SB-804-07	G-SB-804-09
SAMPLE DATE				20091028	20100826	20100826	20100826	20100826	20100823	20100823	20100823	20100823
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	3	5	7	9	3	5	7	9
BOTTOM DEPTH				7	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	16 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	16 U
ACENAPHTHENE	470000	340000	N	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	37
ACENAPHTHYLENE	470000	340000	N[5]	NA	3.9 U	3.9 U	3.6 U	14	3.8 U	4.1 U	3.8 U	82
ANTHRACENE	2300000	1700000	N	NA	3.9 U	3.9 U	3.6 U	38 J	3.8 U	4.1 U	3.8 U	270
BAP EQUIVALENT-HALFND	22	15		513	3.9 U	34	3.6 U	144	3.8 U	29	3.8 U	1432
BAP EQUIVALENT-POS	22	15	C	513	3.9 U	31	3.6 U	142	3.8 U	26	3.8 U	1424
BENZO(A)ANTHRACENE	220	150	C	300	3.9 U	3.9 U	3.6 U	83	3.8 U	29	3.8 U	1300
BENZO(A)PYRENE	22	15	C	340	3.9 U	31 J	3.6 UJ	110 J	3.8 U	20	3.8 U	1100
BENZO(B)FLUORANTHENE	220	150	C	420	3.9 U	3.9 U	3.6 UJ	150 J	3.8 U	22	3.8 U	1200
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	3.9 U	3.9 U	21 J	100 J	3.8 U	17	3.8 U	860
BENZO(K)FLUORANTHENE	2200	1500	C	130	3.9 U	3.9 U	3.6 UJ	59 J	3.8 U	13	3.8 U	620
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	360	1.3 U	16	1.2 U	110	1.3 U	31	1.3 U	1600
DIBENZO(A,H)ANTHRACENE	22	15	C	76	3.9 U	3.9 U	3.6 UJ	4.2 U	3.8 U	4.1 U	3.8 U	16 U
FLUORANTHENE	310000	230000	N	NA	3.9 U	31 J	20 J	150 J	3.8 U	46	3.8 U	2500
FLUORENE	310000	230000	N	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	16 U
INDENO(1,2,3-CD)PYRENE	220	150	C	230	3.9 U	3.9 U	3.6 UJ	80 J	3.8 U	12	3.8 U	660
NAPHTHALENE	160000	3600	C	NA	3.9 U	3.9 U	3.6 U	4.2 U	3.8 U	4.1 U	3.8 U	16 U
PHENANTHRENE	2300000	170000	N[6]	NA	3.9 U	19 J	3.6 U	66 J	3.8 U	32	3.8 U	1500
PYRENE	230000	170000	N	NA	3.9 U	28	3.6 U	230	3.8 U	68	3.8 U	4100
TOTAL PAHS	NC	NC		1856	0 U	125	41	1190	0 U	290	0 U	15829
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-805 G-SB-805-07 20100824 NORMAL SO NORMAL SB 7 7	SB-805 G-SB-805-09 20100824 NORMAL SO NORMAL SB 9 9	SB-806 G-SB-806-03 20100824 NORMAL SO NORMAL SB 3 3	SB-806 G-SB-806-05 20100824 NORMAL SO NORMAL SB 5 5	SB-806 G-SB-806-07 20100824 ORIG SO NORMAL SB 7 7	SB-806 G-SB-806-07-AVG 20100824 AVG SO NORMAL SB 7 7	SB-806 G-SB-806-07-D 20100824 DUP SO NORMAL SB 7 7	SB-806 G-SB-806-09 20100824 NORMAL SO NORMAL SB 9 9	SB-807 G-SB-807-03 20100825 ORIG SO NORMAL SB 3 3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	76 U	3.7 U
2-METHYLNAPHTHALENE	31000	31000	N	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	480	3.7 U
ACENAPHTHENE	470000	340000	N	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	660 J	3.7 U
ACENAPHTHYLENE	470000	340000	N[5]	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	520	3.7 U
ANTHRACENE	2300000	1700000	N	4 U	9.8	4.2 U	9.1	3.8 U	3.95 U	4.1 U	1700 J	3.7 U
BAP EQUIVALENT-HALFND	22	15		4 U	60	4.2 U	67	3.8 U	3.95 U	4.1 U	15215	3.7 U
BAP EQUIVALENT-POS	22	15	C	4 U	58	4.2 U	65	3.8 U	3.95 U	4.1 U	15215	3.7 U
BENZO(A)ANTHRACENE	220	150	C	4 U	46	4.2 U	58	3.8 U	3.95 U	4.1 U	10000	3.7 U
BENZO(A)PYRENE	22	15	C	4 U	45	4.2 U	48	3.8 U	3.95 U	4.1 U	10000 J	3.7 U
BENZO(B)FLUORANTHENE	220	150	C	4 U	50	4.2 U	68	3.8 U	3.95 U	4.1 U	14000 J	3.7 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	4 U	41	4.2 U	56	3.8 U	3.95 U	4.1 U	9200 J	3.7 U
BENZO(K)FLUORANTHENE	2200	1500	C	4 U	27	4.2 U	30	3.8 U	3.95 U	4.1 U	5300 J	3.7 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		81 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		81 U	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.3 U	58	1.4 U	76	1.3 U	1.35 U	1.4 U	12000	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	2100 J	3.7 U
FLUORANTHENE	310000	230000	N	4 U	76	4.2 U	88	3.8 U	3.95 U	4.1 U	16000 J	3.7 U
FLUORENE	310000	230000	N	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	76 U	3.7 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4 U	30	4.2 U	40	3.8 U	3.95 U	4.1 U	6500 J	3.7 U
NAPHTHALENE	160000	3600	C	4 U	4.4 U	4.2 U	3.8 U	3.8 U	3.95 U	4.1 U	510	3.7 U
PHENANTHRENE	2300000	170000	N[6]	4 U	40	4.2 U	38	3.8 U	3.95 U	4.1 U	7600 J	3.7 U
PYRENE	230000	170000	N	4 U	120	4.2 U	140	3.8 U	3.95 U	4.1 U	30000	3.7 U
TOTAL PAHS	NC	NC		0 U	542.8	0 U	651.1	0 U	0 U	0 U	126570	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-807	SB-807	SB-807	SB-807	SB-807	SB-808	SB-808	SB-808	SB-808
SAMPLE ID			G-SB-807-03-AVG	G-SB-807-03-D	G-SB-807-05	G-SB-807-07	G-SB-807-09	G-SB-808-03	G-SB-808-05	G-SB-808-07	G-SB-808-09
SAMPLE DATE			20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE			AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	3	5	7	9	3	5	7	9
BOTTOM DEPTH			3	3	5	7	9	3	5	7	9
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000 C	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	7.6 U	3.7 U	37 U
2-METHYLNAPHTHALENE	31000	31000 N	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	20	3.7 U	37 U
ACENAPHTHENE	470000	340000 N	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	18	3.7 U	37 U
ACENAPHTHYLENE	470000	340000 N[5]	3.65 U	3.6 U	3.8 UL	3.9 U	22	3.7 U	77	3.7 U	80
ANTHRACENE	2300000	1700000 N	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	180	3.7 U	380
BAP EQUIVALENT-HALFND	22	15	3.65 U	3.6 U	3.8 U	3.9 U	51	3.7 U	2009	3.7 U	8573
BAP EQUIVALENT-POS	22	15 C	3.65 U	3.6 U	3.8 U	3.9 U	49	3.7 U	2009	3.7 U	8573
BENZO(A)ANTHRACENE	220	150 C	3.65 U	3.6 U	3.8 UL	3.9 U	35	3.7 U	1200	3.7 U	4500
BENZO(A)PYRENE	22	15 C	3.65 U	3.6 U	3.8 UL	3.9 U	38	3.7 U	1300	3.7 U	6000
BENZO(B)FLUORANTHENE	220	150 C	3.65 U	3.6 U	3.8 UL	3.9 U	43	3.7 U	1200	3.7 U	5900
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	3.65 U	3.6 U	3.8 UL	3.9 U	33	3.7 U	1300	3.7 U	5900
BENZO(K)FLUORANTHENE	2200	1500 C	3.65 U	3.6 U	3.8 UL	3.9 U	16	3.7 U	710	3.7 U	2600
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	80 U	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	80 U	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	1.2 U	1.2 U	1.3 UL	1.3 U	41	1.2 U	1200	1.2 U	7000 J
DIBENZO(A,H)ANTHRACENE	22	15 C	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	370	3.7 U	1100
FLUORANTHENE	310000	230000 N	3.65 U	3.6 U	3.8 UL	3.9 U	50	3.7 U	1200	3.7 U	5700
FLUORENE	310000	230000 N	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	25	3.7 U	37 U
INDENO(1,2,3-CD)PYRENE	220	150 C	3.65 U	3.6 U	3.8 UL	3.9 U	25	3.7 U	910	3.7 U	4000
NAPHTHALENE	160000	3600 C	3.65 U	3.6 U	3.8 UL	3.9 U	4.3 U	3.7 U	22	3.7 U	37 U
PHENANTHRENE	2300000	170000 N[6]	3.65 U	3.6 U	3.8 UL	3.9 U	19	3.7 U	240	3.7 U	980
PYRENE	230000	170000 N	3.65 U	3.6 U	3.8 UL	3.9 U	81	3.7 U	2500	3.7 U	11000
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	403	0 U	12472	0 U	55140
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-809	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-810	SB-811
SAMPLE ID				G-SB-809-03	G-SB-809-05	G-SB-809-07	G-SB-809-09	G-SB-810-03	G-SB-810-05	G-SB-810-07	G-SB-810-09	G-SB-811-05
SAMPLE DATE				20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	3	5	7	9	5
BOTTOM DEPTH				3	5	7	9	3	5	7	9	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	3.9 U	3.9 U	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	3.9 U	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
ACENAPHTHENE	470000	340000	N	3.9 U	3.9 U	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	36
ACENAPHTHYLENE	470000	340000	N[5]	3.9 U	3.9 U	3.9 U	7.9	4 U	18	3.6 U	4.2 U	96
ANTHRACENE	2300000	1700000	N	3.9 U	21 J	3.9 U	36 J	4 U	31	3.6 U	4.2 U	240
BAP EQUIVALENT-HALFND	22	15		3.9 U	71	3.9 U	179	5.4	248	11	18	1927
BAP EQUIVALENT-POS	22	15	C	3.9 U	69	3.9 U	177	1	246	8.4	15	1919
BENZO(A)ANTHRACENE	220	150	C	3.9 U	43 J	3.9 U	110	4 U	140	3.6 U	4.2 UJ	1500
BENZO(A)PYRENE	22	15	C	3.9 U	59 J	3.9 U	140 J	4 U	200	8.4	14	1500
BENZO(B)FLUORANTHENE	220	150	C	3.9 U	52 J	3.9 U	170 J	10	200	3.6 U	13	1700
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	3.9 U	3.9 UJ	3.9 U	100 J	4 U	160	3.6 U	4.2 U	1200
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 UJ	29 J	3.9 U	89 J	4 U	100	3.6 U	4.2 U	670
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	79 U	NA	NA	NA	74 U	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	79 U	NA	NA	NA	74 U	NA	NA
CHRYSENE	22000	15000	C	1.3 U	47 J	1.3 U	150	1.3 U	190	8.5	1.4 UJ	1700
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 U	3.9 UJ	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
FLUORANTHENE	310000	230000	N	3.9 U	71 J	3.9 U	170 J	8.4	220	9.7	4.2 U	2500
FLUORENE	310000	230000	N	3.9 U	3.9 UJ	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 U	3.9 UJ	3.9 U	82 J	4 U	110	3.6 U	4.2 U	910
NAPHTHALENE	160000	3600	C	3.9 U	3.9 U	3.9 U	3.9 U	4 U	4.1 U	3.6 U	4.2 U	16 U
PHENANTHRENE	2300000	170000	N[6]	3.9 U	39 J	3.9 UJ	77 J	4 U	42	3.6 U	4.2 U	1100
PYRENE	230000	170000	N	3.9 U	110 J	3.9 U	270	9.6	400	16	26 J	4200
TOTAL PAHS	NC	NC		0 U	471	0 U	1401.9	28	1811	42.6	53	17352
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-811	SB-811	SB-811	SB-811	SB-812	SB-812	SB-812	SB-812	SB-813
SAMPLE ID				G-SB-811-07	G-SB-811-07-AVG	G-SB-811-07-D	G-SB-811-09	G-SB-812-03	G-SB-812-05	G-SB-812-07	G-SB-812-09	G-SB-813-03
SAMPLE DATE				20100823	20100823	20100823	20100823	20100824	20100824	20100824	20100824	20100826
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	7	7	9	3	5	7	9	3
BOTTOM DEPTH				7	7	7	9	3	5	7	9	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	18	3.9 U
2-METHYLNAPHTHALENE	31000	31000	N	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	31	3.9 U
ACENAPHTHENE	470000	340000	N	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	8 U	3.9 U
ACENAPHTHYLENE	470000	340000	N [5]	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	72	3.9 U
ANTHRACENE	2300000	1700000	N	4 U	3.95 U	3.9 U	4.4 U	3.8 U	24 J	3.9 U	130	3.9 U
BAP EQUIVALENT-HALFND	22	15		4 U	3.95 U	3.9 U	57	3.8 U	66	3.9 U	780	3.9 U
BAP EQUIVALENT-POS	22	15	C	4 U	3.95 U	3.9 U	55	3.8 U	64	3.9 U	776	3.9 U
BENZO(A)ANTHRACENE	220	150	C	4 U	3.95 U	3.9 U	44	3.8 U	35	3.9 U	540	3.9 U
BENZO(A)PYRENE	22	15	C	4 U	3.95 U	3.9 U	43	3.8 U	55 J	3.9 U	610 J	3.9 U
BENZO(B)FLUORANTHENE	220	150	C	4 U	3.95 U	3.9 U	43	3.8 U	48 J	3.9 U	700 J	3.9 U
BENZO(G,H,I)PERYLENE	230000	170000	N [6]	4 U	3.95 U	3.9 U	41	3.8 U	4.1 U	3.9 U	570	3.9 U
BENZO(K)FLUORANTHENE	2200	1500	C	4 U	3.95 U	3.9 U	21	3.8 U	29 J	3.9 U	270	3.9 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	79 U	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	79 U	NA	NA
CHRYSENE	22000	15000	C	1.3 U	1.3 U	1.3 U	49	1.3 U	42	1.3 U	610	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	8 U	3.9 U
FLUORANTHENE	310000	230000	N	4 U	3.95 U	3.9 U	63	3.8 U	56 J	3.9 U	700 J	3.9 U
FLUORENE	310000	230000	N	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	8 U	3.9 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4 U	3.95 U	3.9 U	26	3.8 U	4.1 U	3.9 U	390 J	3.9 U
NAPHTHALENE	160000	3600	C	4 U	3.95 U	3.9 U	4.4 U	3.8 U	4.1 U	3.9 U	40	3.9 U
PHENANTHRENE	2300000	170000	N [6]	4 U	3.95 U	3.9 U	25	3.8 U	24 J	3.9 U	240	3.9 U
PYRENE	230000	170000	N	4 U	3.95 U	3.9 U	100	3.8 U	82	8.9 J	1200 J	3.9 U
TOTAL PAHS	NC	NC		0 U	0 U	0 U	455	0 U	395	8.9	6103	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C [8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N [9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N [11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N [12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-813 G-SB-813-05 20100826 NORMAL SO NORMAL SB 5 5	SB-813 G-SB-813-07 20100826 NORMAL SO NORMAL SB 7 7	SB-813 G-SB-813-09 20100826 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)						
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA
SEMIVOLATILES (UG/KG)						
BENZOIC ACID	NC	24000000	N	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NC	22000	C	4 U	3.9 U	900
2-METHYLNAPHTHALENE	31000	31000	N	4 U	3.9 U	650
ACENAPHTHENE	470000	340000	N	4 U	3.9 U	1200 J
ACENAPHTHYLENE	470000	340000	N[5]	4 U	3.9 U	1000
ANTHRACENE	2300000	1700000	N	4 U	3.9 U	3500 J
BAP EQUIVALENT-HALFND	22	15		4 U	3.9 U	**10566**
BAP EQUIVALENT-POS	22	15	C	4 U	3.9 U	**10524**
BENZO(A)ANTHRACENE	220	150	C	4 U	3.9 U	**10000**
BENZO(A)PYRENE	22	15	C	4 U	3.9 U	**8100 J**
BENZO(B)FLUORANTHENE	220	150	C	4 U	3.9 U	**9400 J**
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	4 U	3.9 U	5700 J
BENZO(K)FLUORANTHENE	2200	1500	C	4 U	3.9 U	**4300 J**
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	79 U	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	79 U	NA
CHRYSENE	22000	15000	C	1.3 U	1.3 U	11000
DIBENZO(A,H)ANTHRACENE	22	15	C	4 U	3.9 U	84 U
FLUORANTHENE	310000	230000	N	21 J	3.9 U	17000 J
FLUORENE	310000	230000	N	4 U	3.9 U	1800 J
INDENO(1,2,3-CD)PYRENE	220	150	C	4 U	3.9 U	**4300 J**
NAPHTHALENE	160000	3600	C	4 U	3.9 U	220
PHENANTHRENE	2300000	170000	N[6]	4 U	3.9 U	18000 J
PYRENE	230000	170000	N	11	3.9 U	31000
TOTAL PAHS	NC	NC		32	0 U	127170
PESTICIDES/PCBS (UG/KG)						
AROCLOR-1260	320	220	C	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA
METALS (MG/KG)						
ANTIMONY	3.1	3.1	N	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA
COPPER	310	310	N	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA
LEAD	400	400		NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA
SILVER	39	39	N	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)						
PH	NC	NC		NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2
SAMPLE ID				G-TP-1-1-7-8	G-TP-1-2-7-8	G-TP-1-5-2-3	G-TP-1-6-2-3	G-TP-1-7-5-7	G-TP-1-8-5-7	G-TP-2-3-6-7	G-TP-2-8-5-6	G-TP-2-9-5-6
SAMPLE DATE				20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921	20100921
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	7	2	2	5	5	6	5	5
BOTTOM DEPTH				8	8	3	3	7	7	7	6	6
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	4.1 U	NA	3.8 U	NA	4 U	NA	39	3.9 U	NA
2-METHYLNAPHTHALENE	31000	31000	N	4.1 U	NA	3.8 U	NA	4 U	NA	64	3.9 U	NA
ACENAPHTHENE	470000	340000	N	4.1 U	NA	3.8 U	NA	4 U	NA	29	3.9 U	NA
ACENAPHTHYLENE	470000	340000	N[5]	8.6	NA	3.8 U	NA	4 U	NA	170	19	NA
ANTHRACENE	2300000	1700000	N	12	NA	3.8 U	NA	4 U	NA	320	34	NA
BAP EQUIVALENT-HALFND	22	15		64	NA	3.8 U	NA	37	NA	1610	155	NA
BAP EQUIVALENT-POS	22	15	C	62	NA	3.8 U	NA	35	NA	1610	153	NA
BENZO(A)ANTHRACENE	220	150	C	40	NA	3.8 U	NA	22	NA	1000	110	NA
BENZO(A)PYRENE	22	15	C	50 J	NA	3.8 U	NA	28 J	NA	1100 J	120 J	NA
BENZO(B)FLUORANTHENE	220	150	C	41	NA	3.8 U	NA	17	NA	1200	130	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	31	NA	3.8 U	NA	13	NA	880	100	NA
BENZO(K)FLUORANTHENE	2200	1500	C	18	NA	3.8 U	NA	10	NA	540	53	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	89 J	NA	78 U	NA	80 U	NA	NA	83 J
C1-FLUORANTHENES/PYRENES	NC	NC		NA	96 J	NA	78 U	NA	80 U	NA	NA	84 J
CHRYSENE	22000	15000	C	47	NA	1.3 U	NA	25	NA	1200	130	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	4.1 U	NA	3.8 U	NA	4 U	NA	220 J	3.9 U	NA
FLUORANTHENE	310000	230000	N	62	NA	3.8 U	NA	37	NA	1700	170	NA
FLUORENE	310000	230000	N	4.1 U	NA	3.8 U	NA	4 U	NA	56	3.9 U	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	35 J	NA	3.8 U	NA	25 J	NA	630 J	80 J	NA
NAPHTHALENE	160000	3600	C	4.1 U	NA	3.8 U	NA	4 U	NA	87	8.4	NA
PHENANTHRENE	2300000	170000	N[6]	30	NA	3.8 U	NA	4 U	NA	800	82	NA
PYRENE	230000	170000	N	92	NA	3.8 U	NA	55	NA	2500	260	NA
TOTAL PAHS	NC	NC		466.6	NA	0 U	NA	232	NA	12496	1296.4	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		OW-5	OW-5	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091
SAMPLE ID				OW-5-4	OW-5-6	G-SB-91RE-10	G-SB-91RE-3	G-SB-91RE-5	G-SB-91RE-6	G-SB-91RE-7	G-SB-91RE-8	G-SB-91RE-8-AVG
SAMPLE DATE				20071128	20071128	20090930	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	6	10	3	5	6	7	8	8
BOTTOM DEPTH				4	6	10	3	5	6	7	8	8
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	8.7 J	14 J	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	15 B	14 B	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		110 UR	120 UR	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	11 U	12 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	5.7 U	5.9 U	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	137	232	95	1.6 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	NA	NA	137	232	95	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	56	85	35	1.2 U	1.2 U	1.1 U	1.15 U
BENZO(A)PYRENE	22	15	C	NA	NA	89	150	58	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	91	160	60	1.5 U	1.5 U	1.4 U	1.45 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	28	45	26	2.1 U	2.1 U	2 U	2.05 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	70	92	49	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	26	46	22	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	70	110	49	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	430	688	299	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	38 U	39 U	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	0.34 J	0.17 B	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	2.1 L	1.8 L	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	24.2	14.4	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	0.44	0.33	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	0.22	0.085	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	11.4 J	8 J	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	5.4 J	2.6 J	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	6.4 J	6 J	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	17200 J	15700 J	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		10.4 J	5.9 J	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	123 J	67.3 J	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	0.019 UL	0.02 UL	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	4.9 J	3.2 J	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	0.18 UL	0.19 UL	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	0.21	0.12	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		0.073	0.053	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	15.7 J	13.3 J	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	20.2 K	13.1 K	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		87.2	85.4	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID				G-SB-91RE-8-D	G-SB-91RE-9	G-SB-91REA-3	G-SB-91REA-5	G-SB-91REA-7	G-SB-91REA-7-AVG	G-SB-91REA-7-D	G-SB-91REA-9	G-SB-91REB-3
SAMPLE DATE				20090930	20090930	20091030	20091030	20091030	20091030	20091030	20091030	20091102
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	9	3	5	7	7	7	9	3
BOTTOM DEPTH				8	9	3	5	7	7	7	9	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	288	1.4 U	1727	24	27	30	3684	37
BAP EQUIVALENT-POS	22	15	C	1.6 U	288	1.4 U	1727	23	26	29	3684	36
BENZO(A)ANTHRACENE	220	150	C	1.2 U	170	1 U	670	1.1 U	1.1 U	1.1 U	2800	22
BENZO(A)PYRENE	22	15	C	1.6 U	190	1.4 U	1200	23	23.5	24	2500	29
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	210	1.3 U	1200	1.4 UJ	13.35	26 J	2600	46
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	87	1.9 U	440	2 U	2.25	3.5 J	1100	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	200	0.98 U	900	1.1 U	1.1 U	1.1 U	2800	21
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	46	1.4 U	250	1.6 U	1.55 U	1.5 U	480	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	130	1.6 U	850	1.8 UJ	11.95	23 J	1500	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	1033	0 U	5510	23	49.75	76.5	13780	118
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-091B	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID				G-SB-91REB-5	G-SB-91REB-7	G-SB-91REB-9	G-SB-91REC-3	G-SB-91REC-5	G-SB-91REC-7	G-SB-91REC-9	G-SB-92RE-10	G-SB-92RE-3
SAMPLE DATE				20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5	7	9	10	3
BOTTOM DEPTH				5	7	9	3	5	7	9	10	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	359	1.5 U	1.5 U	1.6 U	443	73	217
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	359	1.5 U	1.5 U	1.6 U	443	73	217
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	140	1.1 U	1.1 U	1.1 U	150	36	130
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	290	1.5 U	1.5 U	1.6 U	320	39	140
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	310	1.4 U	1.4 U	1.4 U	330	42	140
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	130	2 U	2 U	2 U	150	17	73
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	200	1.1 U	1.1 U	1.1 U	190	41	120
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.9 U	1.5 U	1.5 U	1.6 U	53	22	40
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	220	1.8 U	1.8 U	1.8 U	200	35	89
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	1290	0 U	0 U	0 U	1393	232	732
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	3.2	2.1
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092C
SAMPLE ID				G-SB-92RE-4	G-SB-92RE-5	G-SB-92RE-6	G-SB-92RE-7	G-SB-92RE-7-AVG	G-SB-92RE-7-D	G-SB-92RE-8	G-SB-92RE-9	G-SB-92REC-3
SAMPLE DATE				20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091102
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	5	6	7	7	7	8	9	3
BOTTOM DEPTH				4	5	6	7	7	7	8	9	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		28	9028	988	70	66	62	1.5 U	23492	11.1341
BAP EQUIVALENT-POS	22	15	C	28	9028	988	70	66	62	1.5 U	23492	10.2891
BENZO(A)ANTHRACENE	220	150	C	11	5400	690	36	33.5	31	1.1 U	18000	8.8
BENZO(A)PYRENE	22	15	C	9.3	6100	680	41	37.5	34	1.5 U	16000	8.4
BENZO(B)FLUORANTHENE	220	150	C	12	7200	700	44	41	38	1.4 U	21000	10
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2200	330	20	18	16	2 U	3600	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	12	5700	690	45	41.5	38	1.1 U	16000	9.1
DIBENZO(A,H)ANTHRACENE	22	15	C	14	1300	130	17	17.5	18	1.5 U	2700	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	19	3400	350	35	33	31	1.8 U	8400	1.7 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		77.3	31300	3570	238	222	206	0 U	85700	36.3
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	4.1	3.2	6.9	8.5	6.9	5.3	1.6	8.3	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D	SB-092D	SB-181	SB-182
SAMPLE ID				G-SB-92REC-5	G-SB-92REC-7	G-SB-92REC-9	G-SB-92RED-3	G-SB-92RED-5	G-SB-92RED-7	G-SB-92RED-9	SB-181-05	SB-182-05
SAMPLE DATE				20091102	20091102	20091102	20091102	20091102	20091102	20091102	20041102	20041102
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	9	3	5	7	9	5	5
BOTTOM DEPTH				5	7	9	3	5	7	9	5	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	1 U	1 U
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		386	1.5 U	31	23	1364	1.6 U	4718	NA	NA
BAP EQUIVALENT-POS	22	15	C	385	1.5 U	30	22	1364	1.6 U	4718	NA	NA
BENZO(A)ANTHRACENE	220	150	C	210	1.1 U	18	1.1 U	700	1.1 U	2800	NA	NA
BENZO(A)PYRENE	22	15	C	320	1.5 U	24	18	980	1.6 U	3200	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	300	1.4 U	24	21	990	1.4 U	3400	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	83	2 U	13	2 U	480	2 U	1500	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	240	1.1 U	25	1.1 U	840	1.1 U	3300	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.6 U	1.5 U	140	1.6 U	690	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	130	1.8 U	16	20	690	1.8 U	1900	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		1283	0 U	120	59	4820	0 U	16790	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	12000 U	12000 U
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-184	SB-185	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-192
SAMPLE ID				SB-184-05	SB-185-05	SB-186-05	SB-187-05	SB-188-05	SB-189-05	SB-190-05	SB-191-05	SB-192-05
SAMPLE DATE				20041103	20041103	20041103	20041105	20041105	20041105	20041109	20041109	20041109
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	5	5	5	5	5	5	5	5
BOTTOM DEPTH				5	5	5	5	5	5	5	5	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	1 U	1 U	1 U	2	1 U	1 U	140	1 U	2
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL XYLENES	1600000 [4]	63000	N	1 U	1 U	1 U	3	1 U	1 U	19	1 U	1 U
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		12000 U	12000 U	12000 U	12000 U	12000 U	13000 U	12000 U	11000 U	32000
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-194	SB-194	SB-195	SB-195	SB-196	SB-196	SB-197	SB-197	SB-198
SAMPLE ID				SB-194-05	SB-194-10	SB-195-05	SB-195-10	SB-196-05	SB-196-10	SB-197-05	SB-197-10	SB-198-05
SAMPLE DATE				20050511	20050511	20050510	20050510	20050511	20050511	20050511	20050511	20050511
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	10	5	10	5	10	5	10	5
BOTTOM DEPTH				5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	0.54 J	2.5 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	2.2 U	2.1 U	1.1 J	0.82 J	2.1 U	2.5 U	2.2 U	0.69 J	2.5 U
2-BUTANONE	4700000	2800000	N	8.96 U	8.26 U	8.73 U	9.2 U	3.58 J	3.64 J	3.85 J	9.03 U	8.17 J
ACETONE	7000000	6100000	N	8.8 J	13 J	6.8 J	3.6 J	39.5 J	38.5 J	51 J	7.6 J	89.6 J
BENZENE	12000	1100	C	2.24 U	2.07 U	2.18 U	2.3 U	2.12 U	2.5 U	2.24 U	2.26 U	2.46 U
CARBON DISULFIDE	780000	82000	N	2.2 U	2.1 U	1.2 J	2.3 U	2.1 U	2.1 J	0.83 J	0.68 J	0.76 J
ETHYLBENZENE	780000	5400	C	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
ISOPROPYLBENZENE	780000	210000	N	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
METHYLENE CHLORIDE	85000	11000	C	4.5 U	4.1 U	4.4 U	4.6 U	4.2 U	5 U	4.5 U	4.5 U	4.9 U
NAPHTHALENE	160000	3600	C	2.2 U	2.1 U	0.62 J	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
N-BUTYLBENZENE	NC	NC		2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
N-PROPYLBENZENE	NC	340000	N	2.2 U	2.1 U	2.2 U	2.3 U	2.1 U	2.5 U	2.2 U	2.3 U	2.5 U
TERTIARY-BUTYL ALCOHOL	NC	NC		9 U	8 U	9 U	9 U	8 U	10 U	9 U	7 J	10 U
TOLUENE	630000	500000	N	3.8	1.4 J	2.8	2 J	2.1 U	3.9	1.6 J	1.2 J	2.5 U
TOTAL XYLENES	1600000 [4]	63000	N	6.7 U	6.2 U	6.5 U	6.9 U	6.4 U	7.5 U	6.7 U	6.8 U	7.4 U
TRICHLOROETHENE	1600	2800	C	2.2 U	2.1 U	0.98 J	0.92 J	2.1 U	1.1 J	0.62 J	1.3 J	2.5 U
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	42.3 B	52.3 B	136 J	134 J	50.8 B	56.1 B	55.7 B	67.3 B	69.8 B
CARBAZOLE	32000	NC		200 U	187 U	193 U	195 U	193 U	213 U	189 U	200 U	218 U
DIBENZOFURAN	7800	7800	N	117 U	110 U	114 U	114 U	113 U	125 U	111 U	117 U	128 U
PHENOL	2300000	1800000	N	399 U	375 U	386 U	389 U	386 U	426 U	379 U	399 U	436 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	82.2 U	77.1 U	79.6 U	80.1 U	79.4 U	87.7 U	78 U	82.2 U	89.9 U
2-METHYLNAPHTHALENE	31000	31000	N	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
ACENAPHTHENE	470000	340000	N	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
ACENAPHTHYLENE	470000	340000	N[5]	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
ANTHRACENE	2300000	1700000	N	82 U	77 U	130	80 U	38 J	88 U	38 J	82 U	90 U
BAP EQUIVALENT-HALFND	22	15		82 U	77 U	1814	296	500	144	355	82 U	109
BAP EQUIVALENT-POS	22	15	C	82 U	77 U	1814	256	500	100	355	82 U	55
BENZO(A)ANTHRACENE	220	150	C	82 U	77 U	1130	165	297	69 J	245	82 U	38 J
BENZO(A)PYRENE	22	15	C	82 U	77 U	1410	211	370	82 J	249	82 U	51 J
BENZO(B)FLUORANTHENE	220	150	C	82 U	77 U	1270 J	191	275	56 J	169	82 U	90 U
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	82 U	77 U	372	66 J	182	69 J	148	82 U	48 J
BENZO(K)FLUORANTHENE	2200	1500	C	82 U	77 U	1610	221	330	67 J	235	82 U	50 J
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	82 U	77 U	1390	197	384	85 J	306	82 U	48 J
DIBENZO(A,H)ANTHRACENE	22	15	C	82 U	77 U	108	80 U	53 J	88 U	49 J	82 U	90 U
FLUORANTHENE	310000	230000	N	82 U	77 U	1470	205	486	105	424	82 U	49 J
FLUORENE	310000	230000	N	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
INDENO(1,2,3-CD)PYRENE	220	150	C	82 U	77 U	387	69 J	162	50 J	134	82 U	90 U
NAPHTHALENE	160000	3600	C	82 U	77 U	80 U	80 U	79 U	88 U	78 U	82 U	90 U
PHENANTHRENE	2300000	170000	N[6]	82 U	77 U	433	51 J	111	88 U	191	82 U	90 U
PYRENE	230000	170000	N	82 U	77 U	1900	319	639	121	521	82 U	55 J
TOTAL PAHS	NC	NC		0 U	0 U	11610	1695	3327	704	2709	0 U	339
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	38 U	37 U	8.1 J	14 J	37 U	43 U	36 U	39 U	43 U
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	8.1	14	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	0.2 UL	0.4 L	0.3 U	0.3 U	0.3 UL	0.3 L	0.3 UL	0.3 UL	0.3 UL
ARSENIC	0.43	0.39	C	5	1 B	4	5	2 B	1 B	5	5	5 B
BARIUM	1600	1500	N	3	3	21	25	18	21	29	33	35
BERYLLIUM	16	16	N	0.5	0.2	0.8	0.7	0.6	0.6	0.6	1.8	3.9
CADMIUM	3.9	7	N	0.1 B	0.08 B	0.2 B	0.2 B	0.2 B	0.1 B	0.2 B	0.3 B	0.7 B
CHROMIUM	12000 [9]	12000	N[9]	8.9	6.9	27.9	29.1	16.2	12.5	12.2	32.1	40
COBALT	NC	2.3	N	5.3	2.8	9.3	13.4	4	2.9	68.1	14	11 B
COPPER	310	310	N	8	4	25	18	10	9	11	13	25
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		2	1 B	9	11	5	4	8	12	18
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	0.01	0.02	0.009	0.008	0.008	0.009	0.007	0.007	0.03
NICKEL	160	150	N	5	3	17	13	8	5	9	25	49
SELENIUM	39	39	N	1	1 U	2 U	2 U	3	2 U	2 U	2 U	11 U
SILVER	39	39	N	0.03 U	0.04 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.3 U
THALLIUM	0.55	NC		0.6 U	0.7 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
VANADIUM	7.8	39	N[12]	18.7	13.9	68.1	72.7	32.5	20.1	25.1	46.3	52.6
ZINC	2300	2300	N	21	8	16	12	16	9	21	43	145
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		5100 J	1900 J	92300	37700	55700	33800	50200	840 J	12300
GASOLINE RANGE ORGANICS	230000	NC		10300 U	8200 U	11200 U	10700 U	10600 U	12600 U	10800 U	11800 U	12800 U
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		5.7	7	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-198	SB-199	SB-199	SB-262	SB-262	SB-263	SB-263	SB-264	SB-264
SAMPLE ID				SB-198-10	SB-199-05	SB-199-10	SB-262-05	SB-262-10	SB-263-05	SB-263-10	SB-264-05	SB-264-10
SAMPLE DATE				20050511	20050511	20050511	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				10	5	10	5	10	5	10	5	10
BOTTOM DEPTH				5		10		5		10		10
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	7.73 U	8.68 U	8.24 J	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	12 J	8.9 J	38.4 J	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	1.93 U	2.17 U	2.32 U	121 U	101 U	113 U	114 U	108 U	119 U
CARBON DISULFIDE	780000	82000	N	1.9 U	1.2 J	2 J	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	1.9 U	2.2 U	2.3 U	121 U	101 U	113 U	114 U	108 U	119 U
ISOPROPYLBENZENE	780000	210000	N	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	3.9 U	4.3 U	4.6 U	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	1.9 U	10.3	2.3 U	362 U	303 U	339 U	342 U	323 U	357 U
N-BUTYLBENZENE	NC	NC		1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	1.9 U	2.2 U	2.3 U	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		8 U	6 J	9 U	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	1.2 J	4.2	1.1 J	121 U	101 U	113 U	114 U	108 U	119 U
TOTAL XYLENES	1600000 [4]	63000	N	5.8 U	6.5 U	7 U	362 U	303 U	339 U	342 U	323 U	357 U
TRICHLOROETHENE	1600	2800	C	1.9 U	1.5 J	0.82 J	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	54.7 B	64.8 B	70.8 B	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		205 U	51 J	207 U	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	120 U	34 J	122 U	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	410 U	395 U	414 U	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	84.3 U	75.7 J	85.2 U	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	84 U	48 J	85 U	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	84 U	75 J	85 U	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	84 U	45 J	85 U	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	84 U	315	85 U	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		84 U	918	98	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	22	15	C	84 U	918	0.021	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	220	150	C	84 U	838	85 U	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	84 U	671	85 U	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	84 U	610	85 U	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	84 U	191	85 U	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	84 U	682	85 U	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	84 U	965	21 J	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	84 U	75 J	85 U	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	84 U	1640	37 J	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	84 U	200	85 U	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	84 U	198	85 U	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	84 U	81 U	85 U	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	84 U	2310	23 J	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	84 U	1950	85 U	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	10813	81	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	40 U	38 U	40 U	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	0 U	0 U	0 U	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	0.3 UL	0.3 UL	0.7 L	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	6	3 B	2 B	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	24	16	20	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	3.5	0.6	1.5	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	0.4	0.2 B	0.1 B	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	35.7	16.3	21.7	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	7.6	5.6	12.1	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	47	11	13	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		11	5	4	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	0.009	0.01	0.01	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	35	7	22	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	0.06 U	0.05 U	0.05 U	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		1 U	1 U	0.9 U	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	59	36.7	38.1	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	86	15	20	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		5300 J	105000	17500	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		11900 U	11200 U	11400 U	12100 U	10100 U	11300 U	11400 U	176000	11900 U
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-410	SB-410	SB-410	SB-410	SB-411	SB-411	SB-411	SB-411	SB-412
SAMPLE ID				SB-410-0203	SB-410-0304	SB-410-0506	SB-410-0708	SB-411-0203	SB-411-0304	SB-411-0506	SB-411-0708	SB-412-0203
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		10	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	820	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	10	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	820	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	10 J	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	820	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		10	0 U	0 U	0 U	0 U	0 U	820	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		91.2	90.2	84.5	83.9	84.5	84.7	82	84.2	83.7
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-412	SB-412	SB-412	SB-413	SB-413	SB-413	SB-413	SB-414	SB-414
SAMPLE ID				SB-412-0304	SB-412-0506	SB-412-0708	SB-413-0203	SB-413-0304	SB-413-0506	SB-413-0708	SB-414-0203	SB-414-0304
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	16	1.6 U	27	43	1.6 U	1.6 U	160	15 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	16	1.6 U	27	43	1.6 U	1.6 U	160	15 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	16 J	1.6 U	27 J	43 J	1.6 U	1.6 U	160 J	15 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	16	0 U	27	43	0 U	0 U	160	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		83.6	68.6	81.7	83.7	85.5	82	81.3	88.2	86.3
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-414	SB-414	SB-415	SB-415	SB-415	SB-415	SB-416	SB-416	SB-416
SAMPLE ID				SB-414-0506	SB-414-0708	SB-415-0203	SB-415-0304	SB-415-0506	SB-415-0708	SB-416-0203	SB-416-0304	SB-416-0506
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	9.5	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	9.5	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	9.5 J	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	9.5	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		79.3	82.1	87.8	85.4	84.5	81.9	80.5	79.6	85
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-416	SB-417	SB-417	SB-417	SB-417	SB-418	SB-418	SB-418	SB-418
SAMPLE ID				SB-416-0708	SB-417-0203	SB-417-0304	SB-417-0506	SB-417-0708	SB-418-0203	SB-418-0304	SB-418-0506	SB-418-0708
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	32	1.4 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	32	1.4 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	32 J	1.4 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	32	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		82.5	87.8	85.7	83.4	80.5	91.3	91.4	86.3	85.5
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-419	SB-419	SB-419	SB-419
SAMPLE ID				SB-419-0203	SB-419-0304	SB-419-0506	SB-419-0708
SAMPLE DATE				20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB
TOP DEPTH				2	3	5	7
BOTTOM DEPTH				3	4	6	8
VOLATILES (UG/KG)							
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)							
AROCLOR-1260	320	220	C	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA
METALS (MG/KG)							
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NC	NC		84.4	89.4	85.7	89.1
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NC	NC		NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-420	SB-420	SB-420	SB-420	SB-421	SB-421	SB-421	SB-421	SB-422
SAMPLE ID				SB-420-0203	SB-420-0304	SB-420-0506	SB-420-0708	SB-421-0203	SB-421-0304	SB-421-0506	SB-421-0708	SB-422-0203
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.4 U	1.4 U	1.5 U	1.6 U	10	1.6 U	1.5 U	1.6 U	1.4 U
BAP EQUIVALENT-POS	22	15	C	1.4 U	1.4 U	1.5 U	1.6 U	10	1.6 U	1.5 U	1.6 U	1.4 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.4 U	1.4 U	1.5 U	1.6 U	10 J	1.6 U	1.5 U	1.6 U	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	10	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		91.7	92.8	88.3	83.6	84.4	83.3	84.6	83	91.4
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-422	SB-422	SB-422	SB-423	SB-423	SB-423	SB-423	SB-424	SB-424
SAMPLE ID				SB-422-0304	SB-422-0506	SB-422-0708	SB-423-0203	SB-423-0304	SB-423-0506	SB-423-0708	SB-424-0203	SB-424-0304
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.4 U	61	1.5 U	18	1.5 U	1.4 U	1.6 U	4000	1600
BAP EQUIVALENT-POS	22	15	C	1.4 U	61	1.5 U	18	1.5 U	1.4 U	1.6 U	4000	1600
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.4 U	61 J	1.5 U	18 J	1.5 U	1.4 U	1.6 U	4000	1600
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	61	0 U	18	0 U	0 U	0 U	4000	1600
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		90.2	86.7	86.7	87.9	85.8	91.3	82.6	90.6	91
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-424	SB-424	SB-425	SB-425	SB-425	SB-425	SB-426	SB-426	SB-426
SAMPLE ID				SB-424-0506	SB-424-0708	SB-425-0203	SB-425-0304	SB-425-0506	SB-425-0708	SB-426-0203	SB-426-0304	SB-426-0506
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**19**	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	**19**	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	**19 J**	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		19	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		84.5	84.1	92.1	89.6	86.3	84.1	84.1	90.1	83.5
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-426	SB-427	SB-427	SB-427	SB-427	SB-428	SB-428	SB-428	SB-428
SAMPLE ID				SB-426-0708	SB-427-0203	SB-427-0304	SB-427-0506	SB-427-0708	SB-428-0203	SB-428-0304	SB-428-0506	SB-428-0708
SAMPLE DATE				20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.7 U	960	1.6 U	1.5 U	1.6 U	1.5 U	35	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.7 U	960	1.6 U	1.5 U	1.6 U	1.5 U	35	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.7 U	960	1.6 U	1.5 U	1.6 U	1.5 U	35 J	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	960	0 U	0 U	0 U	0 U	35	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		78.5	93.3	81.7	85.8	83.6	88	87.6	87.6	86.5
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-429	SB-429	SB-429	SB-429	SB-430	SB-430	SB-430	SB-430	SB-431
SAMPLE ID			SB-429-0203	SB-429-0304	SB-429-0506	SB-429-0708	SB-430-0203	SB-430-0304	SB-430-0506	SB-430-0708	SB-431-0203
SAMPLE DATE			20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			2	3	5	7	2	3	5	7	2
BOTTOM DEPTH			3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.4 U	1.4 U	1.4 U	1.5 U	**17**	1.4 U	8.9	14	**93**
BAP EQUIVALENT-POS	22	15 C	1.4 U	1.4 U	1.4 U	1.5 U	**17**	1.4 U	8.9	14	**93**
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	1.4 U	1.4 U	1.4 U	1.5 U	**17 J**	1.4 U	8.9 J	14 J	**93 J**
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	17	0 U	8.9	14	93
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC	94.5	92.1	90.2	86.9	92.1	93	85.3	83.1	90.5
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-431	SB-431	SB-431	SB-432	SB-432	SB-432	SB-432	SB-433	SB-433
SAMPLE ID				SB-431-0304	SB-431-0506	SB-431-0708	SB-432-0203	SB-432-0304	SB-432-0506	SB-432-0708	SB-433-0203	SB-433-0304
SAMPLE DATE				20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		8.3	1.5 U	1.8 U	1.5 U	1.4 U	1.5 U	1.5 U	**17**	1.4 U
BAP EQUIVALENT-POS	22	15	C	8.3	1.5 U	1.8 U	1.5 U	1.4 U	1.5 U	1.5 U	**17**	1.4 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	8.3 J	1.5 U	1.8 U	1.5 U	1.4 U	1.5 U	1.5 U	**17 J**	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		8.3	0 U	0 U	0 U	0 U	0 U	0 U	17	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		87.2	86.1	73	89.2	92.5	85.6	85.6	94.7	94.4
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-433	SB-433	SB-434	SB-434	SB-434	SB-434	SB-435	SB-435	SB-435
SAMPLE ID				SB-433-0506	SB-433-0708	SB-434-0203	SB-434-0304	SB-434-0506	SB-434-0708	SB-435-0203	SB-435-0304	SB-435-0506
SAMPLE DATE				20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.4 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	13	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.4 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	13	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.4 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	13 J	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	13	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		93.7	87.4	86.5	86.5	82.6	83	86.9	85	82
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-435	SB-436	SB-436	SB-436	SB-436	SB-437	SB-437	SB-437	SB-437
SAMPLE ID				SB-435-0708	SB-436-0203	SB-436-0304	SB-436-0506	SB-436-0708	SB-437-0203	SB-437-0304	SB-437-0506	SB-437-0708
SAMPLE DATE				20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	**17**	9.2	**18**	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	**17**	9.2	**18**	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	**17 J**	9.2 J	**18 J**	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	17	9.2	18	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		82.9	87.5	90.6	88	86.2	88.6	84.8	83.6	80.5
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-438	SB-438	SB-438	SB-438	SB-439	SB-439	SB-439	SB-439
SAMPLE ID				SB-438-0203	SB-438-0304	SB-438-0506	SB-438-0708	SB-439-0203	SB-439-0304	SB-439-0506	SB-439-0708
SAMPLE DATE				20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7
BOTTOM DEPTH				3	4	6	8	3	4	6	8
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.4 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.4 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.4 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		87.7	84.9	89.9	83.3	86.2	77.9	81.2	79.6
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-081	SB-082	SB-083	SB-084	SB-085	SB-085	SB-086	SB-086	SB-087
SAMPLE ID			SB-81-05	SB-82-05	SB-83-05	SB-84-05	SB-85-05	SB-85-10	SB-86-05	SB-86-10	SB-87-05
SAMPLE DATE			20041109	20041109	20041102	20041103	20041105	20041115	20041115	20041115	20041105
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	5	5	5	5	10	5	10	5
BOTTOM DEPTH			5	5	5	5	5	10	5	10	5
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000 N	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL	NA
2-BUTANONE	4700000	2800000 N	57 UJ	60 U	60 UJ	530 UJ	610 UJ	57 UL	57 UL	56 UL	NA
ACETONE	7000000	6100000 N	57 UJ	60 U	60 UJ	530 UJ	610 UJ	57 UL	57 UL	56 UL	NA
BENZENE	12000	1100 C	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL	1 U
CARBON DISULFIDE	780000	82000 N	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL	NA
ETHYLBENZENE	780000	5400 C	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL	1 U
ISOPROPYLBENZENE	780000	210000 N	6 UJ	6 U	6 UJ	990 J	61 UJ	6 UL	6 UL	6 UL	NA
METHYLENE CHLORIDE	85000	11000 C	6 UJ	6 U	6 UJ	53 UJ	61 UJ	8 J	10 J	10 J	NA
NAPHTHALENE	160000	3600 C	6 UJ	6 U	6 UJ	620 J	160 J	6 UL	6 UL	6 UL	1 U
N-BUTYLBENZENE	NC	NC	6 UJ	6 U	6 UJ	850 J	61 UJ	6 UL	6 UL	6 UL	NA
N-PROPYLBENZENE	NC	340000 N	6 UJ	6 U	6 UJ	2200 J	61 UJ	6 UL	6 UL	6 UL	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL	1 U
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	1 U
TRICHLOROETHENE	1600	2800 C	6 UJ	6 U	6 UJ	53 UJ	61 UJ	6 UL	6 UL	6 UL	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
DIBENZOFURAN	7800	7800 N	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
PHENOL	2300000	1800000 N	1900	1300	400 U	410 U	410 U	1000 J	1100 J	1600 J	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
ACENAPHTHENE	470000	340000 N	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
ACENAPHTHYLENE	470000	340000 N(5)	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
ANTHRACENE	2300000	1700000 N	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
BAP EQUIVALENT-HALFND	22	15	390 U	400 U	400 U	410 U	410 U	380 U	390 U	380 U	NA
BAP EQUIVALENT-POS	22	15 C	390 U	400 U	400 U	410 U	410 U	380 U	390 U	380 U	NA
BENZO(A)ANTHRACENE	220	150 C	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
BENZO(A)PYRENE	22	15 C	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
FLUORANTHENE	310000	230000 N	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
FLUORENE	310000	230000 N	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
NAPHTHALENE	160000	3600 C	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
PHENANTHRENE	2300000	170000 N(6)	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
PYRENE	230000	170000 N	390 U	400 U	400 U	410 U	410 U	380 UJ	390 UJ	380 UJ	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	NA
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220 C	290 U	300 U	290 U	300 U	300 U	280 UJ	290 UJ	280 UJ	NA
TOTAL AROCLOR	320 (7)	220 C(8)	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1 N	2.7 UL	2.6 UL	2.6 U	2.9 U	2.8 UL	2.6 UL	2.6 UL	2.8 UL	NA
ARSENIC	0.43	0.39 C	2.5	1.2	1.9	3.4	2.2	0.53 U	0.7	0.61	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	2.7 U	2.6 U	2.6 U	2.9 U	2.8 U	3.2	2.6 U	2.8 U	NA
CADMIUM	3.9	7 N	2.7 UL	2.6 UL	2.6 U	2.9 U	2.8 UL	2.6 U	2.6 U	2.8 U	NA
CHROMIUM	12000 (9)	12000 N(9)	9.9	7.6	7.6	19	28	9.3	18	31	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	13	7	5.7	13	19	13	30	9.1	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	4.7	4.6	9.9	4.5	11	4.1 J	9.5 J	5.8 J	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3 N(11)	0.11 U	0.1 U	0.1 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	NA
NICKEL	160	150 N	7.3	3.4 L	9.8	2.9 U	23	46 J	20 J	15 J	NA
SELENIUM	39	39 N	2.7 U	2.6 U	2.6 U	2.9 U	2.8 U	2.6 UL	2.6 UL	2.8 UL	NA
SILVER	39	39 N	2.7 UL	2.6 UL	2.6 UL	2.9 UL	2.8 UL	2.6 UR	2.6 UR	2.8 UR	NA
THALLIUM	0.55	NC	2.2 U	2.1 U	2.1 UL	2.3 UL	2.3 U	2.1 U	2.1 U	2.2 U	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	27 UL	26 UL	27 K	29 U	61	93	62	34	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC	12000 U	12000 U	12000 U	12000 U	12000 U	12000 UJ	12000 UJ	11000 UJ	12000 U
GASOLINE RANGE ORGANICS	230000	NC	120 U	120 U	120 U	520000	240000	120 UJ	120 UJ	110 UJ	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-088	SB-089	SB-090	SB-091	SB-092	SB-440	SB-440	SB-440	SB-441
SAMPLE ID			SB-88-05	SB-89-05	SB-90-05	SB-91-05	SB-92-04	SB-440-0203	SB-440-0304	SB-440-0506	SB-441-0203
SAMPLE DATE			20041105	20041105	20041103	20040927	20040927	20071018	20071018	20071018	20071019
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	5	5	5	4	2	3	5	2
BOTTOM DEPTH			5	5	5	5	4	3	4	6	3
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	6 UL	6 UL	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	6 UL	6 UL	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	58 UL	58 UL	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	58 UL	58 UL	NA	NA	NA	NA
BENZENE	12000	1100 C	1 U	7	1 U	6 UL	6 UL	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	6 UL	6 UL	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	1 U	100	1 U	6 UL	6 UL	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	6 UL	6 UL	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	6 UL	6 UL	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	270	170	1 U	6 UL	6 UL	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	6 UL	6 UL	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	6 UL	6 UL	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	4	1 U	1 U	6 UL	6 UL	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	600	160	1 U	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	6 UL	6 UL	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	NA	NA	NA	390 U	462	1.6 U	1.6 U	1.7 U	72
BAP EQUIVALENT-POS	22	15 C	NA	NA	NA	390 U	0.06	1.6 U	1.6 U	1.7 U	72
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	NA	NA	NA	390 U	400 U	1.6 U	1.6 U	1.7 U	72 J
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	390 U	60 J	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	390 U	48 J	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	390 U	400 U	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	390 U	78 J	NA	NA	NA	NA
TOTAL PAHS	NC	NC	NA	NA	NA	0 U	186	0 U	0 U	0 U	72
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220 C	NA	NA	NA	290 U	290 U	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	0 U	0 U	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1 N	NA	NA	NA	2.8 UL	3 UL	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	2.4	1.4	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	2.8 U	3 U	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	2.8 U	3 U	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	20 J	26 J	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	17 J	12 J	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	3.3 K	5.7 K	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	0.11 U	0.12 U	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	5.9 K	10 K	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	2.8 U	3 U	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	2.8 UR	3 UR	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	2.2 U	2.4 U	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	28 UL	30 UL	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC	13000	12000 U	12000 U	12000 U	12000 U	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	120 U	120 U	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	83.1	82.1	75.8	87.8
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-441	SB-441	SB-441	SB-442	SB-442	SB-442	SB-442	SB-443	SB-443
SAMPLE ID			SB-441-0304	SB-441-0506	SB-441-0708	SB-442-0203	SB-442-0304	SB-442-0506	SB-442-0708	SB-443-0203	SB-443-0304
SAMPLE DATE			20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	MDE Cleanup Standards (1)(3)	USEPA Regional Screening Levels (RSLs) (2)(3)	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	7	2	3	5	7	2	3
BOTTOM DEPTH			4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 (4)	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	31	900	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.4 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	31	900	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.4 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	31 J	900 J	1.5 UJ	1.5 U	1.5 U	1.6 U	1.5 U	1.4 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	31	900	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 (7)	220 C(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (9)	12000 N(9)	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (10)	2.3 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(12)	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC	88.6	77.8	85.2	84.9	86.4	83.6	85.6	91.5	89.2
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-443	SB-443	SB-444	SB-444	SB-444	SB-444	SB-445	SB-445	SB-445
SAMPLE ID				SB-443-0506	SB-443-0708	SB-444-0203	SB-444-0304	SB-444-0506	SB-444-0708	SB-445-0203	SB-445-0304	SB-445-0506
SAMPLE DATE				20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	32	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	32	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	32 J	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	32	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		85.3	83	85.9	87	79.4	79	89.2	86.6	83.1
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-445	SB-446	SB-446	SB-446	SB-446	SB-447	SB-448	SB-448	SB-448
SAMPLE ID				SB-445-0708	SB-446-0203	SB-446-0304	SB-446-0506	SB-446-0708	SB-447-0203	SB-448-0203	SB-448-0304	SB-448-0506
SAMPLE DATE				20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	3	5	7	2	2	3	5
BOTTOM DEPTH				8	3	4	6	8	3	3	4	6
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	28	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	28	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	28 J	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	28	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		81.1	89.3	88.6	89.6	83.4	87.6	87.5	85.3	85.2
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-448	SB-449	SB-449	SB-449	SB-449	SB-450	SB-450	SB-450	SB-450
SAMPLE ID				SB-448-0708	SB-449-0203	SB-449-0304	SB-449-0506	SB-449-0708	SB-450-0203	SB-450-0304	SB-450-0506	SB-450-0708
SAMPLE DATE				20071019	20071019	20071019	20071019	20071019	20071022	20071022	20071022	20071022
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)												
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	**21**	1.4 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	**21**	1.4 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	**21 J**	1.4 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	21	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)												
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		87.5	90	89.7	85	82.1	86.5	83.4	84	78.6
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-451	SB-451	SB-451	SB-451	SB-452	SB-452	SB-452	SB-452	SB-453
SAMPLE ID			SB-451-0203	SB-451-0304	SB-451-0506	SB-451-0708	SB-452-0203	SB-452-0304	SB-452-0506	SB-452-0708	SB-453-0203
SAMPLE DATE			20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			2	3	5	7	2	3	5	7	2
BOTTOM DEPTH			3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.6 U	1.6 U	1.5 U	22	38	1.5 U	1.5 U	28
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.6 U	1.6 U	1.5 U	22	38	1.5 U	1.5 U	28
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	1.5 U	1.6 U	1.6 U	1.5 U	22 J	38 J	1.5 U	1.5 U	28 J
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	22	38	0 U	0 U	28
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC	87.2	82.4	79.5	84.4	91.8	87.2	86.4	84.9	84.7
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-453	SB-453	SB-453	SB-454	SB-454	SB-454	SB-454	SB-455	SB-455
SAMPLE ID			SB-453-0304	SB-453-0506	SB-453-0708	SB-454-0203	SB-454-0304	SB-454-0506	SB-454-0708	SB-455-0203	SB-455-0304
SAMPLE DATE			20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			3	5	7	2	3	5	7	2	3
BOTTOM DEPTH			4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)											
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	640	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	640	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	640	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	640	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)											
AROCLOR-1260	320	220 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220 C[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000 N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC	72.2	83.8	81.5	79.9	82	81.4	80.1	86.5	85.2
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-455	SB-455	SB-456	SB-456	SB-456	SB-456
SAMPLE ID				SB-455-0506	SB-455-0708	SB-456-0203	SB-456-0304	SB-456-0506	SB-456-0708
SAMPLE DATE				20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7
BOTTOM DEPTH				6	8	3	4	6	8
VOLATILES (UG/KG)									
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	780000	210000	N	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NC	340000	N	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA
CARBAZOLE	32000	NC		NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	310
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	310
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	310 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[6]	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[6]	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	310
PESTICIDES/PCBS (UG/KG)									
AROCLOR-1260	320	220	C	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	320 [7]	220	C[8]	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [9]	12000	N[9]	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [10]	2.3	N[11]	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[12]	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NC	NC		81.5	83.2	85	79.1	89.4	90.8
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NC	NC		NA	NA	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value is for xylenes.
5 - The value for acenaphthene is used as a surrogate for acenaphthylene.
6 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
7 - The value is for PCB (total).
8 - The value is for polychlorinated biphenyls (high risk).
9 - The value is for trivalent chromium.
10 - The value is for mercury (inorganic/mercuric dichloride).
11 - The value is for mercuric chloride.
12 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-195	SB-195	SB-195	SB-195	SB-195	SB-196	SB-196	SB-196	SB-657
SAMPLE ID	G-SB-195RE-11	G-SB-195RE-12	G-SB-195RE-13	G-SB-195RE-14	G-SB-195RE-15	G-SB-196RE-11	G-SB-196RE-12	G-SB-196RE-13	G-SB-657-11
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091020	20091020	20091020	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-195	SB-195	SB-195	SB-195	SB-195	SB-196	SB-196	SB-196	SB-657
SAMPLE ID	G-SB-195RE-11	G-SB-195RE-12	G-SB-195RE-13	G-SB-195RE-14	G-SB-195RE-15	G-SB-196RE-11	G-SB-196RE-12	G-SB-196RE-13	G-SB-657-11
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091020	20091020	20091020	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	229	284	13891	24163	277	1.6 U	9.8	1.6 U	843
BAP EQUIVALENT-POS	229	284	13891	24163	277	1.6 U	8.9	1.6 U	843
BENZO(A)ANTHRACENE	130	160	7900	15000	180	1.2 U	1.1 U	1.1 U	470 J
BENZO(A)PYRENE	160	200	9800	17000	190	1.6 U	8	1.6 U	600 J
BENZO(B)FLUORANTHENE	170	220	12000	18000	240	1.5 U	9.1	1.4 U	580 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	68	80	5200	8600	85	2.1 U	2 U	2 U	320 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-195	SB-195	SB-195	SB-195	SB-195	SB-196	SB-196	SB-196	SB-657
SAMPLE ID	G-SB-195RE-11	G-SB-195RE-12	G-SB-195RE-13	G-SB-195RE-14	G-SB-195RE-15	G-SB-196RE-11	G-SB-196RE-12	G-SB-196RE-13	G-SB-657-11
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091020	20091020	20091020	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	150	180	9300	17000	230	1.1 U	1 U	1.1 U	500 J
DIBENZO(A,H)ANTHRACENE	29	34	1500	2900	33	1.6 U	1.5 U	1.6 U	100 J
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	95	110	5400	8600	110	1.8 U	1.7 U	1.8 U	340 J
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	802	984	51100	87100	1068	0 U	17.1	0 U	2910
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-195	SB-195	SB-195	SB-195	SB-195	SB-196	SB-196	SB-196	SB-657
SAMPLE ID	G-SB-195RE-11	G-SB-195RE-12	G-SB-195RE-13	G-SB-195RE-14	G-SB-195RE-15	G-SB-196RE-11	G-SB-196RE-12	G-SB-196RE-13	G-SB-657-11
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091020	20091020	20091020	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-657-11-AVG	G-SB-657-11-D	G-SB-657-12	G-SB-657-13	G-SB-657-14	G-SB-657-15	G-SB-657A-11	G-SB-657A-13	G-SB-657A-15
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091028	20091028	20091028
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	12	13	14	15	11	13	15
BOTTOM DEPTH	11	11	12	13	14	15	11	13	15
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-657-11-AVG	G-SB-657-11-D	G-SB-657-12	G-SB-657-13	G-SB-657-14	G-SB-657-15	G-SB-657A-11	G-SB-657A-13	G-SB-657A-15
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091028	20091028	20091028
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	12	13	14	15	11	13	15
BOTTOM DEPTH	11	11	12	13	14	15	11	13	15
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	518	194	259	3231	24	4.3	8303	1482	66
BAP EQUIVALENT-POS	518	194	259	3231	23	2.8	8303	1482	65
BENZO(A)ANTHRACENE	284.5	99 J	120	1500	14	9.4	6600	940	37
BENZO(A)PYRENE	370	140 J	180	2300	19	1.5 U	5700	1000	52
BENZO(B)FLUORANTHENE	360	140 J	190	2600	17	10	6100	1100	57
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	190.5	61 J	90	950	11	6.8 J	2600	470	20
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-657-11-AVG	G-SB-657-11-D	G-SB-657-12	G-SB-657-13	G-SB-657-14	G-SB-657-15	G-SB-657A-11	G-SB-657A-13	G-SB-657A-15
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091028	20091028	20091028
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	12	13	14	15	11	13	15
BOTTOM DEPTH	11	11	12	13	14	15	11	13	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	310	120 J	150	1800	16	1 U	7200	1000	44
DIBENZO(A,H)ANTHRACENE	61	22 J	37	390	1.5 U	1.5 U	1000	210	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	208	76 J	100	1200	12	8.1	3000	620	38
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1784	658	867	10740	89	34.3	32200	5340	248
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-657-11-AVG	G-SB-657-11-D	G-SB-657-12	G-SB-657-13	G-SB-657-14	G-SB-657-15	G-SB-657A-11	G-SB-657A-13	G-SB-657A-15
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091028	20091028	20091028
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	12	13	14	15	11	13	15
BOTTOM DEPTH	11	11	12	13	14	15	11	13	15
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657B	SB-657B	SB-657B	SB-657D	SB-657D	SB-657D	SB-658	SB-658	SB-658
SAMPLE ID	G-SB-657B-11	G-SB-657B-13	G-SB-657B-15	G-SB-657D-11	G-SB-657D-13	G-SB-657D-15	G-SB-658-11	G-SB-658-11-AVG	G-SB-658-11-D
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657B	SB-657B	SB-657B	SB-657D	SB-657D	SB-657D	SB-658	SB-658	SB-658
SAMPLE ID	G-SB-657B-11	G-SB-657B-13	G-SB-657B-15	G-SB-657D-11	G-SB-657D-13	G-SB-657D-15	G-SB-658-11	G-SB-658-11-AVG	G-SB-658-11-D
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	28	2150	319	1.5 U	144	85	244	158	73
BAP EQUIVALENT-POS	27	2146	318	1.5 U	143	85	243	158	73
BENZO(A)ANTHRACENE	23	1600	250	1.1 U	120	72	210 J	131.5	53 J
BENZO(A)PYRENE	21	1700	250	1.5 U	110	64	190 J	120	50 J
BENZO(B)FLUORANTHENE	38	1800	280	1.4 U	140	88	200 J	129.5	59 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	9.8	760	110	2 U	40	30	98 J	58.5	19 J
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657B	SB-657B	SB-657B	SB-657D	SB-657D	SB-657D	SB-658	SB-658	SB-658
SAMPLE ID	G-SB-657B-11	G-SB-657B-13	G-SB-657B-15	G-SB-657D-11	G-SB-657D-13	G-SB-657D-15	G-SB-658-11	G-SB-658-11-AVG	G-SB-658-11-D
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	20	1700	240	1 U	110	67	220 J	140	60 J
DIBENZO(A,H)ANTHRACENE	1.5 U	6.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	4.725	8.7
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	970	140	1.7 U	68	42	110 J	69	28 J
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	111.8	8530	1270	0 U	588	363	1028	652.85	277.7
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-657B	SB-657B	SB-657B	SB-657D	SB-657D	SB-657D	SB-658	SB-658	SB-658
SAMPLE ID	G-SB-657B-11	G-SB-657B-13	G-SB-657B-15	G-SB-657D-11	G-SB-657D-13	G-SB-657D-15	G-SB-658-11	G-SB-658-11-AVG	G-SB-658-11-D
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658	SB-658	SB-658	SB-658	SB-658B	SB-658B	SB-658C	SB-658C	SB-658C
SAMPLE ID	G-SB-658-12	G-SB-658-13	G-SB-658-14	G-SB-658-15	G-SB-658B-11	G-SB-658B-15	G-SB-658C-11	G-SB-658C-13	G-SB-658C-13-AVG
SAMPLE DATE	20091002	20091002	20091002	20091002	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	13	14	15	11	15	11	13	13
BOTTOM DEPTH	12	13	14	15	11	15	11	13	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658	SB-658	SB-658	SB-658	SB-658B	SB-658B	SB-658C	SB-658C	SB-658C
SAMPLE ID	G-SB-658-12	G-SB-658-13	G-SB-658-14	G-SB-658-15	G-SB-658B-11	G-SB-658B-15	G-SB-658C-11	G-SB-658C-13	G-SB-658C-13-AVG
SAMPLE DATE	20091002	20091002	20091002	20091002	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	13	14	15	11	15	11	13	13
BOTTOM DEPTH	12	13	14	15	11	15	11	13	13
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	348	232	201	55	1.5 U	347	1.5 U	10484	7626
BAP EQUIVALENT-POS	347	232	201	54	1.5 U	347	1.5 U	10484	7626
BENZO(A)ANTHRACENE	280	190	140	47	1.1 U	240	1.1 U	5800 J	4150
BENZO(A)PYRENE	270	160	140	42	1.5 U	240	1.5 U	6900 J	5050
BENZO(B)FLUORANTHENE	320	180	160	48	1.4 U	270	1.4 U	7900 J	5600
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	150	72	61	19	2 U	130	2 U	2800 J	2150
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
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Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658	SB-658	SB-658	SB-658	SB-658B	SB-658B	SB-658C	SB-658C	SB-658C
SAMPLE ID	G-SB-658-12	G-SB-658-13	G-SB-658-14	G-SB-658-15	G-SB-658B-11	G-SB-658B-15	G-SB-658C-11	G-SB-658C-13	G-SB-658C-13-AVG
SAMPLE DATE	20091002	20091002	20091002	20091002	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	13	14	15	11	15	11	13	13
BOTTOM DEPTH	12	13	14	15	11	15	11	13	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	320	190	170	50	1.1 U	320	1.1 U	6200 J	4400
DIBENZO(A,H)ANTHRACENE	1.5 U	26	23	1.6 U	1.5 U	40	1.5 U	1800 J	1305
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	150	82	76	23	1.8 U	140	1.8 U	3800 J	2700
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1490	900	770	229	0 U	1380	0 U	35200	25355
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658	SB-658	SB-658	SB-658	SB-658B	SB-658B	SB-658C	SB-658C	SB-658C
SAMPLE ID	G-SB-658-12	G-SB-658-13	G-SB-658-14	G-SB-658-15	G-SB-658B-11	G-SB-658B-15	G-SB-658C-11	G-SB-658C-13	G-SB-658C-13-AVG
SAMPLE DATE	20091002	20091002	20091002	20091002	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	13	14	15	11	15	11	13	13
BOTTOM DEPTH	12	13	14	15	11	15	11	13	13
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658C	SB-658C	SB-659	SB-659	SB-659	SB-659	SB-659	SB-659C	SB-659C
SAMPLE ID	G-SB-658C-13-D	G-SB-658C-15	G-SB-659-11	G-SB-659-12	G-SB-659-13	G-SB-659-14	G-SB-659-15	G-SB-659C-11	G-SB-659C-13
SAMPLE DATE	20091028	20091028	20091002	20091002	20091002	20091002	20091002	20091029	20091029
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	12	13	14	15	11	13
BOTTOM DEPTH	13	15	11	12	13	14	15	11	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658C	SB-658C	SB-659	SB-659	SB-659	SB-659	SB-659	SB-659C	SB-659C
SAMPLE ID	G-SB-658C-13-D	G-SB-658C-15	G-SB-659-11	G-SB-659-12	G-SB-659-13	G-SB-659-14	G-SB-659-15	G-SB-659C-11	G-SB-659C-13
SAMPLE DATE	20091028	20091028	20091002	20091002	20091002	20091002	20091002	20091029	20091029
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	12	13	14	15	11	13
BOTTOM DEPTH	13	15	11	12	13	14	15	11	13
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	4768	80	265	595	2324	744	19	268	4677
BAP EQUIVALENT-POS	4768	79	265	595	2324	744	18	267	4673
BENZO(A)ANTHRACENE	2500 J	49	170	350	1400	450	14	230	4000
BENZO(A)PYRENE	3200 J	64	180	400	1600	530	14	210	3800
BENZO(B)FLUORANTHENE	3300 J	59	210	430	1800	600	16	200	4000
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1500 J	46	77	190	710	200	2 U	160	3000
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658C	SB-658C	SB-659	SB-659	SB-659	SB-659	SB-659	SB-659C	SB-659C
SAMPLE ID	G-SB-658C-13-D	G-SB-658C-15	G-SB-659-11	G-SB-659-12	G-SB-659-13	G-SB-659-14	G-SB-659-15	G-SB-659C-11	G-SB-659C-13
SAMPLE DATE	20091028	20091028	20091002	20091002	20091002	20091002	20091002	20091029	20091029
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	12	13	14	15	11	13
BOTTOM DEPTH	13	15	11	12	13	14	15	11	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	2600 J	59	190	390	1500	470	13	260	5200
DIBENZO(A,H)ANTHRACENE	810 J	1.5 U	35	91	310	79	1.5 U	1.5 U	8.3 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1600 J	41	110	240	850	280	9.3	120	380
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	15510	318	972	2091	8170	2609	66.3	1180	20380
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-658C	SB-658C	SB-659	SB-659	SB-659	SB-659	SB-659	SB-659C	SB-659C
SAMPLE ID	G-SB-658C-13-D	G-SB-658C-15	G-SB-659-11	G-SB-659-12	G-SB-659-13	G-SB-659-14	G-SB-659-15	G-SB-659C-11	G-SB-659C-13
SAMPLE DATE	20091028	20091028	20091002	20091002	20091002	20091002	20091002	20091029	20091029
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	12	13	14	15	11	13
BOTTOM DEPTH	13	15	11	12	13	14	15	11	13
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-659C	SB-659D	SB-659D	SB-659D	SB-660	SB-660	SB-662	SB-662	SB-662
SAMPLE ID	G-SB-659C-15	G-SB-659D-11	G-SB-659D-13	G-SB-659D-15	G-SB-660-11	G-SB-660-12	G-SB-662-11	G-SB-662-12	G-SB-662-13
SAMPLE DATE	20091029	20091029	20091029	20091029	20091002	20091002	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	12	11	12	13
BOTTOM DEPTH	15	11	13	15	11	12	11	12	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-659C	SB-659D	SB-659D	SB-659D	SB-660	SB-660	SB-662	SB-662	SB-662
SAMPLE ID	G-SB-659C-15	G-SB-659D-11	G-SB-659D-13	G-SB-659D-15	G-SB-660-11	G-SB-660-12	G-SB-662-11	G-SB-662-12	G-SB-662-13
SAMPLE DATE	20091029	20091029	20091029	20091029	20091002	20091002	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	12	11	12	13
BOTTOM DEPTH	15	11	13	15	11	12	11	12	13
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	182	1.5 U	447	1.5 U	41	15	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	181	1.5 U	446	1.5 U	40	15	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	160	1.1 U	320	1.1 U	29	12	1.1 U	1.2 U	1.2 U
BENZO(A)PYRENE	140	1.5 U	350	1.5 U	32	12	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	160	1.4 U	430	1.4 U	30	14	1.4 U	1.5 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	110	1.9 U	200	2 U	18	2 U	2 U	2.1 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-659C	SB-659D	SB-659D	SB-659D	SB-660	SB-660	SB-662	SB-662	SB-662
SAMPLE ID	G-SB-659C-15	G-SB-659D-11	G-SB-659D-13	G-SB-659D-15	G-SB-660-11	G-SB-660-12	G-SB-662-11	G-SB-662-12	G-SB-662-13
SAMPLE DATE	20091029	20091029	20091029	20091029	20091002	20091002	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	12	11	12	13
BOTTOM DEPTH	15	11	13	15	11	12	11	12	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	170	1 U	350	1 U	31	12	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	79	1.7 U	190	1.7 U	18	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	819	0 U	1840	0 U	158	50	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-659C	SB-659D	SB-659D	SB-659D	SB-660	SB-660	SB-662	SB-662	SB-662
SAMPLE ID	G-SB-659C-15	G-SB-659D-11	G-SB-659D-13	G-SB-659D-15	G-SB-660-11	G-SB-660-12	G-SB-662-11	G-SB-662-12	G-SB-662-13
SAMPLE DATE	20091029	20091029	20091029	20091029	20091002	20091002	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	12	11	12	13
BOTTOM DEPTH	15	11	13	15	11	12	11	12	13
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-662A	SB-662B	SB-662C	SB-671	SB-671	SB-671	SB-671B	SB-671C	SB-671D
SAMPLE ID	G-SB-662A-11	G-SB-662B-11	G-SB-662C-11	G-SB-671RE-11	G-SB-671RE-12	G-SB-671RE-13	G-SB-671B-11	G-SB-671C-11	G-SB-671D-11
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091111	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	11	12	13	11	11	11
BOTTOM DEPTH	11	11	11	11	12	13	11	11	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-662A	SB-662B	SB-662C	SB-671	SB-671	SB-671	SB-671B	SB-671C	SB-671D
SAMPLE ID	G-SB-662A-11	G-SB-662B-11	G-SB-662C-11	G-SB-671RE-11	G-SB-671RE-12	G-SB-671RE-13	G-SB-671B-11	G-SB-671C-11	G-SB-671D-11
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091111	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	11	12	13	11	11	11
BOTTOM DEPTH	11	11	11	11	12	13	11	11	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	2472	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	12
BAP EQUIVALENT-POS	1.6 U	2472	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	11
BENZO(A)ANTHRACENE	1.2 U	1700	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U
BENZO(A)PYRENE	1.6 U	1700	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	9.8
BENZO(B)FLUORANTHENE	1.5 U	2000	1.5 U	1.5 U	1.5 U	1.4 U	1.5 U	1.5 U	9.5
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	960	2.1 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-662A	SB-662B	SB-662C	SB-671	SB-671	SB-671	SB-671B	SB-671C	SB-671D
SAMPLE ID	G-SB-662A-11	G-SB-662B-11	G-SB-662C-11	G-SB-671RE-11	G-SB-671RE-12	G-SB-671RE-13	G-SB-671B-11	G-SB-671C-11	G-SB-671D-11
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091111	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	11	12	13	11	11	11
BOTTOM DEPTH	11	11	11	11	12	13	11	11	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	2100	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	280	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1100	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	9840	0 U	0 U	0 U	0 U	0 U	0 U	19.3
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-662A	SB-662B	SB-662C	SB-671	SB-671	SB-671	SB-671B	SB-671C	SB-671D
SAMPLE ID	G-SB-662A-11	G-SB-662B-11	G-SB-662C-11	G-SB-671RE-11	G-SB-671RE-12	G-SB-671RE-13	G-SB-671B-11	G-SB-671C-11	G-SB-671D-11
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091111	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	11	12	13	11	11	11
BOTTOM DEPTH	11	11	11	11	12	13	11	11	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-704	SB-704	SB-704	SB-706	SB-706	SB-706	SB-706	SB-706	SB-716
SAMPLE ID	G-SB-704-11	G-SB-704-12	G-SB-704-15	G-SB-706-11	G-SB-706-12	G-SB-706-13	G-SB-706-14	G-SB-706-15	G-SB-716-11
SAMPLE DATE	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20090922	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	15	11	12	13	14	15	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-704	SB-704	SB-704	SB-706	SB-706	SB-706	SB-706	SB-706	SB-716
SAMPLE ID	G-SB-704-11	G-SB-704-12	G-SB-704-15	G-SB-706-11	G-SB-706-12	G-SB-706-13	G-SB-706-14	G-SB-706-15	G-SB-716-11
SAMPLE DATE	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20090922	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	15	11	12	13	14	15	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.7 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	1.7 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U
BENZO(A)PYRENE	1.7 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	1.5 U	1.5 U	1.4 U	1.6 U	1.5 U	1.4 U	1.4 U	1.5 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.2 U	2.1 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-704	SB-704	SB-704	SB-706	SB-706	SB-706	SB-706	SB-706	SB-716
SAMPLE ID	G-SB-704-11	G-SB-704-12	G-SB-704-15	G-SB-706-11	G-SB-706-12	G-SB-706-13	G-SB-706-14	G-SB-706-15	G-SB-716-11
SAMPLE DATE	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20090922	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	15	11	12	13	14	15	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.9 U	1.8 U	1.8 U	2 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-704	SB-704	SB-704	SB-706	SB-706	SB-706	SB-706	SB-706	SB-716
SAMPLE ID	G-SB-704-11	G-SB-704-12	G-SB-704-15	G-SB-706-11	G-SB-706-12	G-SB-706-13	G-SB-706-14	G-SB-706-15	G-SB-716-11
SAMPLE DATE	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20090922	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	15	11	12	13	14	15	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-716	SB-716	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726
SAMPLE ID	G-SB-716-12	G-SB-716-15	G-SB-726-11	G-SB-726-12	G-SB-726-13	G-SB-726-14	G-SB-726-15	G-SB-726-15-AVG	G-SB-726-15-D
SAMPLE DATE	20090923	20090923	20091008	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	15	11	12	13	14	15	15	15
BOTTOM DEPTH	12	15	11	12	13	14	15	15	15
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-716	SB-716	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726
SAMPLE ID	G-SB-716-12	G-SB-716-15	G-SB-726-11	G-SB-726-12	G-SB-726-13	G-SB-726-14	G-SB-726-15	G-SB-726-15-AVG	G-SB-726-15-D
SAMPLE DATE	20090923	20090923	20091008	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	15	11	12	13	14	15	15	15
BOTTOM DEPTH	12	15	11	12	13	14	15	15	15
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	2.2 U	2.2 U	2.6	9.1	2.3 U	2.25 U	2.2 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	2.2 U	2.2 U	0.54	8.2	2.3 U	2.25 U	2.2 U
BENZO(A)ANTHRACENE	1.1 U	1.1 U	1.2 U	1.3 U	1.9 J	6 J	1.3 U	1.3 U	1.3 U
BENZO(A)PYRENE	1.5 U	1.5 U	2.2 U	2.2 U	2.2 U	6.2 J	2.3 U	2.25 U	2.2 U
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.6 U	1.6 U	2.1 J	9.3	1.7 U	1.65 U	1.6 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	1.6 U	1.6 U	1.7 U	1.6 U	1.7 U	1.7 U	1.7 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-716	SB-716	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726
SAMPLE ID	G-SB-716-12	G-SB-716-15	G-SB-726-11	G-SB-726-12	G-SB-726-13	G-SB-726-14	G-SB-726-15	G-SB-726-15-AVG	G-SB-726-15-D
SAMPLE DATE	20090923	20090923	20091008	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	15	11	12	13	14	15	15	15
BOTTOM DEPTH	12	15	11	12	13	14	15	15	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.4 U	1.4 U	2 J	6.8 J	1.4 U	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.7 U	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	0.43 U	0.43 U	1.4 J	5.1 J	0.45 U	0.445 U	0.44 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	7.4	33.4	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-716	SB-716	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726
SAMPLE ID	G-SB-716-12	G-SB-716-15	G-SB-726-11	G-SB-726-12	G-SB-726-13	G-SB-726-14	G-SB-726-15	G-SB-726-15-AVG	G-SB-726-15-D
SAMPLE DATE	20090923	20090923	20091008	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	15	11	12	13	14	15	15	15
BOTTOM DEPTH	12	15	11	12	13	14	15	15	15
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-735	SB-735B	SB-735C	SB-736B	SB-736C	SB-736C	SB-736C	SB-761	SB-761
SAMPLE ID	G-SB-735-11	G-SB-735B-11	G-SB-735C-11	G-SB-736B-11	G-SB-736C-11	G-SB-736C-11-AVG	G-SB-736C-11-D	G-SB-761-11	G-SB-761-13
SAMPLE DATE	20091103	20091112	20091112	20091112	20091112	20091112	20091112	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	11	11	11	11	11	13
BOTTOM DEPTH	11	11	11	11	11	11	11	11	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-735	SB-735B	SB-735C	SB-736B	SB-736C	SB-736C	SB-736C	SB-761	SB-761
SAMPLE ID	G-SB-735-11	G-SB-735B-11	G-SB-735C-11	G-SB-736B-11	G-SB-736C-11	G-SB-736C-11-AVG	G-SB-736C-11-D	G-SB-761-11	G-SB-761-13
SAMPLE DATE	20091103	20091112	20091112	20091112	20091112	20091112	20091112	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	11	11	11	11	11	13
BOTTOM DEPTH	11	11	11	11	11	11	11	11	13
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	14	17	4.5 U	1.5 U	1.5 U	1.5 U	1.5 U	35343	795
BAP EQUIVALENT-POS	13	16	4.5 U	1.5 U	1.5 U	1.5 U	1.5 U	35343	795
BENZO(A)ANTHRACENE	13	1.2 U	3.3 U	1.1 U	1.1 U	1.1 U	1.1 U	30000	630
BENZO(A)PYRENE	10	14	4.5 U	1.5 U	1.5 U	1.5 U	1.5 U	24000	540
BENZO(B)FLUORANTHENE	15	23	4.1 U	1.4 U	1.3 U	1.35 U	1.4 U	27000	610
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2.1 U	5.8 U	2 U	1.9 U	1.95 U	2 U	11000	250
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-735	SB-735B	SB-735C	SB-736B	SB-736C	SB-736C	SB-736C	SB-761	SB-761
SAMPLE ID	G-SB-735-11	G-SB-735B-11	G-SB-735C-11	G-SB-736B-11	G-SB-736C-11	G-SB-736C-11-AVG	G-SB-736C-11-D	G-SB-761-11	G-SB-761-13
SAMPLE DATE	20091103	20091112	20091112	20091112	20091112	20091112	20091112	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	11	11	11	11	11	13
BOTTOM DEPTH	11	11	11	11	11	11	11	11	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	13	20	3.1 U	1.1 U	1 U	1 U	1 U	33000	690
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	4.5 U	1.5 U	1.5 U	1.5 U	1.5 U	4300	98
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.9 U	5.2 U	1.8 U	1.7 U	1.7 U	1.7 U	12000	300
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	51	57	0 U	0 U	0 U	0 U	0 U	141300	3118
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-735	SB-735B	SB-735C	SB-736B	SB-736C	SB-736C	SB-736C	SB-761	SB-761
SAMPLE ID	G-SB-735-11	G-SB-735B-11	G-SB-735C-11	G-SB-736B-11	G-SB-736C-11	G-SB-736C-11-AVG	G-SB-736C-11-D	G-SB-761-11	G-SB-761-13
SAMPLE DATE	20091103	20091112	20091112	20091112	20091112	20091112	20091112	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	11	11	11	11	11	13
BOTTOM DEPTH	11	11	11	11	11	11	11	11	13
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B	SB-761C
SAMPLE ID	G-SB-761-15	G-SB-761-15-AVG	G-SB-761-15-D	G-SB-761A-11	G-SB-761A-13	G-SB-761A-15	G-SB-761B-11	G-SB-761B-15	G-SB-761C-11
SAMPLE DATE	20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	15	11	13	15	11	15	11
BOTTOM DEPTH	15	15	15	11	13	15	11	15	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B	SB-761C
SAMPLE ID	G-SB-761-15	G-SB-761-15-AVG	G-SB-761-15-D	G-SB-761A-11	G-SB-761A-13	G-SB-761A-15	G-SB-761B-11	G-SB-761B-15	G-SB-761C-11
SAMPLE DATE	20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	15	11	13	15	11	15	11
BOTTOM DEPTH	15	15	15	11	13	15	11	15	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	817	575	333	95	2231	552	28	547	45
BAP EQUIVALENT-POS	817	575	333	95	2231	552	27	547	44
BENZO(A)ANTHRACENE	630 J	465	300 J	48	970	220	25	500	42
BENZO(A)PYRENE	530 J	375	220 J	67	1500	410	21	380	34
BENZO(B)FLUORANTHENE	600 J	425	250 J	64	1500	350	22	440	40
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	250 J	180	110 J	29	550	170	8.3	210	14
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B	SB-761C
SAMPLE ID	G-SB-761-15	G-SB-761-15-AVG	G-SB-761-15-D	G-SB-761A-11	G-SB-761A-13	G-SB-761A-15	G-SB-761B-11	G-SB-761B-15	G-SB-761C-11
SAMPLE DATE	20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	15	11	13	15	11	15	11
BOTTOM DEPTH	15	15	15	11	13	15	11	15	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	680 J	480	280 J	60	1100	270	27	560	49
DIBENZO(A,H)ANTHRACENE	130 J	87	44 J	12	400	56	1.6 U	49	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	310 J	220	130 J	42	770	270	13	210	19
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	3130	2232	1334	322	6790	1746	116.3	2349	198
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B	SB-761C
SAMPLE ID	G-SB-761-15	G-SB-761-15-AVG	G-SB-761-15-D	G-SB-761A-11	G-SB-761A-13	G-SB-761A-15	G-SB-761B-11	G-SB-761B-15	G-SB-761C-11
SAMPLE DATE	20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	15	15	11	13	15	11	15	11
BOTTOM DEPTH	15	15	15	11	13	15	11	15	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761C	SB-761D	SB-761D	SB-761D
SAMPLE ID	G-SB-761C-15	G-SB-761D-11	G-SB-761D-13	G-SB-761D-15
SAMPLE DATE	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	15	11	13	15
BOTTOM DEPTH	15	11	13	15
VOLATILES (UG/KG)				
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761C	SB-761D	SB-761D	SB-761D
SAMPLE ID	G-SB-761C-15	G-SB-761D-11	G-SB-761D-13	G-SB-761D-15
SAMPLE DATE	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	15	11	13	15
BOTTOM DEPTH	15	11	13	15
VINYL CHLORIDE	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)				
1,1-BIPHENYL	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1035	234	1125	6375
BAP EQUIVALENT-POS	1035	234	1125	6375
BENZO(A)ANTHRACENE	770	180	820	4700
BENZO(A)PYRENE	650	150	780	4400
BENZO(B)FLUORANTHENE	820	160	890	3900
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	400	62	320	1900
C1-CHRYSENES	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761C	SB-761D	SB-761D	SB-761D
SAMPLE ID	G-SB-761C-15	G-SB-761D-11	G-SB-761D-13	G-SB-761D-15
SAMPLE DATE	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	15	11	13	15
BOTTOM DEPTH	15	11	13	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
CHRYSENE	970	200	1000	5800
DIBENZO(A,H)ANTHRACENE	180	40	120	880
FLUORANTHENE	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	410	93	500	2100
NAPHTHALENE	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA
TOTAL PAHS	4200	885	4430	23680
PESTICIDES/PCBS (UG/KG)				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA
METALS (MG/KG)				
ANTIMONY	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA
COBALT	NA	NA	NA	NA
COPPER	NA	NA	NA	NA
IRON	NA	NA	NA	NA
LEAD	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA
SILVER	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA
ZINC	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-761C	SB-761D	SB-761D	SB-761D
SAMPLE ID	G-SB-761C-15	G-SB-761D-11	G-SB-761D-13	G-SB-761D-15
SAMPLE DATE	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	15	11	13	15
BOTTOM DEPTH	15	11	13	15
PETROLEUM HYDROCARBONS (UG/KG)				
DIESEL RANGE ORGANICS	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)				
PH	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)				
ACTINIUM-228	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	G-TP-2	MRC-MW12A	MRC-MW95D	OW-4	OW-4	OW-6	OW-6	SB-085	SB-086
SAMPLE ID	G-TP-2-5-13-14	MRC-MW12[1213]	MRC-MW95D-SO-214	OW-4-26	OW-4-30	OW-6-20	OW-6-30	SB-85-12	SB-86-12
SAMPLE DATE	20100921	20050517	20100513	20071127	20071127	20071129	20071129	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	12	214	26	30	20	30	12	12
BOTTOM DEPTH	14	13	214	26	30	20	30	12	12
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	0.72 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,1,1-TRICHLOROETHANE	NA	NA	0.65 U	6 U	5.9 U	6.2 U	1.3 J	6 UL	6 UL
1,1,2,2-TETRACHLOROETHANE	NA	NA	0.39 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	6 UL	6 UL
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	1.5 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,1-DICHLOROETHANE	NA	NA	0.42 U	6 U	5.9 U	1.6 J	1.3 J	6 UL	6 UL
1,1-DICHLOROETHENE	NA	NA	0.6 U	6 U	5.9 U	5 J	7.4	6 UL	6 UL
1,1-DICHLOROPROPENE	NA	NA	0.35 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,2,3-TRICHLOROBENZENE	NA	NA	0.44 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,2,3-TRICHLOROPROPANE	NA	NA	1 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,2,3-TRIMETHYLBENZENE	NA	NA	0.2 U	6 U	5.9 U	6.2 U	6 U	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	0.31 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,2,4-TRIMETHYLBENZENE	NA	NA	0.75 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	1.5 U	12 U	12 U	12 U	12 U	6 UL	6 UL
1,2-DIBROMOETHANE	NA	NA	0.58 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,2-DICHLOROBENZENE	NA	NA	0.42 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,2-DICHLOROETHANE	NA	NA	0.39 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,2-DICHLOROPROPANE	NA	NA	0.8 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	6 UL	6 UL
1,3-DICHLOROBENZENE	NA	NA	0.41 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,3-DICHLOROPROPANE	NA	NA	0.39 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	0.77 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	1.1 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
2-BUTANONE	NA	NA	27	12 U	12 U	12 U	12 U	57 UL	57 UL
2-CHLOROETHYL VINYL ETHER	NA	NA	1.6 U	12 U	12 U	12 U	12 U	6 UL	6 UL
2-CHLOROTOLUENE	NA	NA	0.46 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
2-HEXANONE	NA	NA	7.7 B	12 U	12 U	12 U	12 U	57 UL	57 UL
4-CHLOROTOLUENE	NA	NA	0.48 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
4-ISOPROPYLTOLUENE	NA	NA	0.24 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
4-METHYL-2-PENTANONE	NA	NA	0.63 U	12 U	12 U	12 U	12 U	57 UL	57 UL
ACETONE	NA	NA	64 B	12 U	8 J	7.8 J	9.7 J	57 UL	57 UL
BENZENE	NA	NA	0.52 J	6 U	5.9 U	6.2 U	0.29 J	6 UL	6 UL
BROMOBENZENE	NA	NA	0.82 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
BROMOCHLOROMETHANE	NA	NA	0.82 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
BROMODICHLOROMETHANE	NA	NA	0.33 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
BROMOFORM	NA	NA	0.38 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
BROMOMETHANE	NA	NA	0.63 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
CARBON DISULFIDE	NA	NA	0.51 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
CARBON TETRACHLORIDE	NA	NA	0.43 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
CHLOROBENZENE	NA	NA	0.38 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
CHLORODIBROMOMETHANE	NA	NA	0.64 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
CHLOROETHANE	NA	NA	1 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
CHLOROFORM	NA	NA	0.34 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
CHLOROMETHANE	NA	NA	0.48 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
CIS-1,2-DICHLOROETHENE	NA	NA	0.42 U	6 U	0.87 J	4.1 J	3.5 J	6 UL	6 UL
CIS-1,3-DICHLOROPROPENE	NA	NA	0.39 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
DIBROMOMETHANE	NA	NA	0.73 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
DICHLORODIFLUOROMETHANE	NA	NA	0.58 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
DIISOPROPYL ETHER	NA	NA	1.7 U	12 U	12 U	12 U	12 U	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	0.26 U	6 U	5.9 U	6.2 U	6 U	NA	NA
ETHYLBENZENE	NA	NA	0.41 J	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	1.4 U	6 U	5.9 U	6.2 U	6 U	NA	NA
ISOPROPYLBENZENE	NA	NA	0.19 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
M+P-XYLENES	NA	NA	1.4 U	12 U	12 U	12 U	12 U	11 UL	11 UL
METHYL TERT-BUTYL ETHER	NA	NA	0.5 U	12 U	12 U	12 U	12 U	6 UL	6 UL
METHYLENE CHLORIDE	NA	NA	0.99 B	16 B	14 B	4.7 B	4.6 B	9 J	11 J
NAPHTHALENE	NA	NA	0.37 B	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
N-BUTYLBENZENE	NA	NA	0.35 J	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
N-PROPYLBENZENE	NA	NA	0.46 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
O-XYLENE	NA	NA	0.59 J	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
SEC-BUTYLBENZENE	NA	NA	0.21 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
STYRENE	NA	NA	0.17 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
TERT-AMYL METHYL ETHER	NA	NA	0.43 U	6 U	5.9 U	6.2 U	6 U	NA	NA
TERT-BUTYLBENZENE	NA	NA	0.34 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
TERTIARY-BUTYL ALCOHOL	NA	NA	8.8 UR	120 UR	120 UR	120 UR	120 UR	NA	NA
TETRACHLOROETHENE	NA	NA	0.6 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
TOLUENE	NA	NA	1.6 B	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	1.5 J	12 U	12 U	12 U	12 U	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	0.48 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
TRANS-1,3-DICHLOROPROPENE	NA	NA	0.63 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
TRICHLOROETHENE	NA	NA	0.49 U	6 U	4 J	17	64	6 UL	7 L
TRICHLOROFLUOROMETHANE	NA	NA	0.39 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
VINYL ACETATE	NA	NA	0.29 U	12 U	12 U	12 UJ	12 UJ	6 UL	6 UL

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	G-TP-2	MRC-MW12A	MRC-MW95D	OW-4	OW-4	OW-6	OW-6	SB-085	SB-086
SAMPLE ID	G-TP-2-5-13-14	MRC-MW12[1213]	MRC-MW95D-SO-214	OW-4-26	OW-4-30	OW-6-20	OW-6-30	SB-85-12	SB-86-12
SAMPLE DATE	20100921	20050517	20100513	20071127	20071127	20071129	20071129	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	12	214	26	30	20	30	12	12
BOTTOM DEPTH	14	13	214	26	30	20	30	12	12
VINYL CHLORIDE	NA	NA	0.45 U	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	970 UJ	960 UJ
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	970 UJ	960 UJ
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	970 UJ	960 UJ
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	970 UJ	960 UJ
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	890 UJ	890 UJ
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	970 UJ	960 UJ
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	970 UJ	960 UJ
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	970 UJ	960 UJ
PHENOL	NA	NA	NA	NA	NA	NA	NA	960 J	980 J
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	3.9 U	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
ACENAPHTHENE	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
ACENAPHTHYLENE	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
ANTHRACENE	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
BAP EQUIVALENT-HALFND	32	NA	NA	NA	NA	NA	NA	390 U	411
BAP EQUIVALENT-POS	30	NA	NA	NA	NA	NA	NA	390 U	12
BENZO(A)ANTHRACENE	8.4	NA	NA	NA	NA	NA	NA	390 UJ	47 J
BENZO(A)PYRENE	26 J	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
BENZO(B)FLUORANTHENE	9.9	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	390 UJ	74 J
BENZO(G,H,I)PERYLENE	10	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
BENZO(K)FLUORANTHENE	3.9 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	G-TP-2	MRC-MW12A	MRC-MW95D	OW-4	OW-4	OW-6	OW-6	SB-085	SB-086
SAMPLE ID	G-TP-2-5-13-14	MRC-MW12[1213]	MRC-MW95D-SO-214	OW-4-26	OW-4-30	OW-6-20	OW-6-30	SB-85-12	SB-86-12
SAMPLE DATE	20100921	20050517	20100513	20071127	20071127	20071129	20071129	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	12	214	26	30	20	30	12	12
BOTTOM DEPTH	14	13	214	26	30	20	30	12	12
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	10	NA	NA	NA	NA	NA	NA	390 UJ	51 J
DIBENZO(A,H)ANTHRACENE	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
FLUORANTHENE	8.5	NA	NA	NA	NA	NA	NA	390 UJ	110 J
FLUORENE	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
INDENO(1,2,3-CD)PYRENE	22 J	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
NAPHTHALENE	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ
PHENANTHRENE	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	89 J
PYRENE	16	NA	NA	NA	NA	NA	NA	390 UJ	89 J
TOTAL PAHS	110.8	NA	NA	NA	NA	NA	NA	0 U	460
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ALDRIN	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
AROCLOR-1016	NA	NA	NA	40 U	39 U	NA	NA	280 UJ	280 UJ
AROCLOR-1221	NA	NA	NA	40 U	39 U	NA	NA	280 UJ	280 UJ
AROCLOR-1232	NA	NA	NA	40 U	39 U	NA	NA	280 UJ	280 UJ
AROCLOR-1242	NA	NA	NA	40 U	39 U	NA	NA	280 UJ	280 UJ
AROCLOR-1248	NA	NA	NA	40 U	39 U	NA	NA	280 UJ	280 UJ
AROCLOR-1254	NA	NA	NA	40 U	39 U	NA	NA	280 UJ	280 UJ
AROCLOR-1260	NA	NA	NA	40 U	39 U	NA	NA	280 UJ	280 UJ
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ENDRIN	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	46 UJ	23 UJ
TOTAL AROCLOR	NA	NA	NA	0 U	0 U	NA	NA	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	1100 UJ	560 UJ
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	0.28 J	0.096 B	0.12 B	0.095 B	2.6 UL	2.6 UL
ARSENIC	NA	NA	NA	0.32 L	0.19 L	1.1 L	0.24 L	0.98	0.51 U
BARIUM	NA	NA	NA	9.7	6.6	11.8	6	NA	NA
BERYLLIUM	NA	NA	NA	0.7	0.63	0.8	0.48	2.6 U	2.6 U
CADMIUM	NA	NA	NA	0.012 B	0.0085 B	0.12	0.0081 B	2.6 U	2.6 U
CHROMIUM	NA	NA	NA	8.9 J	9.1 J	10.6 J	9.1 J	14	11
COBALT	NA	NA	NA	3.1 J	2.9 J	8.1 J	2.1 J	NA	NA
COPPER	NA	NA	NA	5.7 J	4.8 J	8.1 J	4.6 J	12	12
IRON	NA	NA	NA	21600 J	8400 J	10300 J	6100 J	NA	NA
LEAD	NA	NA	NA	4 J	2.5 J	4.5 J	2.8 J	15 J	16 J
MANGANESE	NA	NA	NA	156 J	76.1 J	137 J	30.6 J	NA	NA
MERCURY	NA	NA	NA	0.02 UL	0.02 UL	0.021 UL	0.02 UL	0.11 U	0.1 U
MOLYBDENUM	NA	NA	NA	0.19 B	0.081 B	0.17 B	0.079 UL	NA	NA
NICKEL	NA	NA	NA	6.6 J	5.2 J	17 J	4.5 J	26 J	13 J
SELENIUM	NA	NA	NA	0.24 L	0.19 UL	0.22 L	0.19 UL	2.6 UL	2.6 UL
SILVER	NA	NA	NA	0.089	0.047	0.056	0.03 B	2.6 UR	2.6 UR
THALLIUM	NA	NA	NA	0.05	0.034	0.043	0.031	2.1 U	2 U
VANADIUM	NA	NA	NA	10.1 J	11.8 J	18.8 J	19.2 J	NA	NA
ZINC	NA	NA	NA	13.8 K	11.8 K	26.4 K	10.5 K	110	39

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	G-TP-2	MRC-MW12A	MRC-MW95D	OW-4	OW-4	OW-6	OW-6	SB-085	SB-086
SAMPLE ID	G-TP-2-5-13-14	MRC-MW12[1213]	MRC-MW95D-SO-214	OW-4-26	OW-4-30	OW-6-20	OW-6-30	SB-85-12	SB-86-12
SAMPLE DATE	20100921	20050517	20100513	20071127	20071127	20071129	20071129	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	12	214	26	30	20	30	12	12
BOTTOM DEPTH	14	13	214	26	30	20	30	12	12
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	13000 J	11000 UJ
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	120 UJ	110 UJ
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	82.9	84.2	80.5	83.9	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	1320	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID	G-SB-91RE-11	G-SB-91RE-12	G-SB-91RE-13	G-SB-91RE-14	G-SB-91RE-15	G-SB-91REA-11	G-SB-91REA-13	G-SB-91REA-15	G-SB-91REB-11
SAMPLE DATE	20090930	20090930	20090930	20090930	20090930	20091030	20091030	20091030	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	13	15	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID	G-SB-91RE-11	G-SB-91RE-12	G-SB-91RE-13	G-SB-91RE-14	G-SB-91RE-15	G-SB-91REA-11	G-SB-91REA-13	G-SB-91REA-15	G-SB-91REB-11
SAMPLE DATE	20090930	20090930	20090930	20090930	20090930	20091030	20091030	20091030	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	13	15	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	19	1458	110	1.6 U	1.5 U	84	1.6 U	19
BAP EQUIVALENT-POS	1.5 U	19	1458	110	1.6 U	1.5 U	83	1.6 U	18
BENZO(A)ANTHRACENE	1.1 U	10	620	44	1.2 U	1.1 U	58	1.2 U	1.1 U
BENZO(A)PYRENE	1.5 U	14	950	66	1.6 U	1.5 U	65	1.6 U	18
BENZO(B)FLUORANTHENE	1.4 U	16	940	74	1.5 U	1.4 U	73	1.5 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2 U	450	24	2.1 U	2 U	24	2.1 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID	G-SB-91RE-11	G-SB-91RE-12	G-SB-91RE-13	G-SB-91RE-14	G-SB-91RE-15	G-SB-91REA-11	G-SB-91REA-13	G-SB-91REA-15	G-SB-91REB-11
SAMPLE DATE	20090930	20090930	20090930	20090930	20090930	20091030	20091030	20091030	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	13	15	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	11	770	53	1.1 U	1 U	62	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	290	26	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	21	570	57	1.8 U	1.7 U	48	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	72	4590	344	0 U	0 U	330	0 U	18
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091B
SAMPLE ID	G-SB-91RE-11	G-SB-91RE-12	G-SB-91RE-13	G-SB-91RE-14	G-SB-91RE-15	G-SB-91REA-11	G-SB-91REA-13	G-SB-91REA-15	G-SB-91REB-11
SAMPLE DATE	20090930	20090930	20090930	20090930	20090930	20091030	20091030	20091030	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	13	15	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID	G-SB-91REB-13	G-SB-91REB-15	G-SB-91REC-11	G-SB-91REC-13	G-SB-91REC-15	G-SB-91REC-15-AVG	G-SB-91REC-15-D	G-SB-92RE-11	G-SB-92RE-12
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	12
BOTTOM DEPTH	13	15	11	13	15	15	15	11	12
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID	G-SB-91REB-13	G-SB-91REB-15	G-SB-91REC-11	G-SB-91REC-13	G-SB-91REC-15	G-SB-91REC-15-AVG	G-SB-91REC-15-D	G-SB-92RE-11	G-SB-92RE-12
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	12
BOTTOM DEPTH	13	15	11	13	15	15	15	11	12
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	621	1.6 U	69	1.6 U	205	189	173	1.6 U	1.5 U
BAP EQUIVALENT-POS	620	1.6 U	69	1.6 U	205	189	173	1.6 U	1.5 U
BENZO(A)ANTHRACENE	340	1.1 U	32	1.1 U	67	63	59	1.1 U	1.1 U
BENZO(A)PYRENE	490	1.6 U	54	1.6 U	140	130	120	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	540	1.4 U	75	1.5 U	180	160	140	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	280	2.1 U	31	2.1 U	64	69	74	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID	G-SB-91REB-13	G-SB-91REB-15	G-SB-91REC-11	G-SB-91REC-13	G-SB-91REC-15	G-SB-91REC-15-AVG	G-SB-91REC-15-D	G-SB-92RE-11	G-SB-92RE-12
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	12
BOTTOM DEPTH	13	15	11	13	15	15	15	11	12
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	420	1.1 U	35	1.1 U	85	76	67	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.6 U	1.5 U	1.6 U	29	26.5	24	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	390	1.8 U	36	1.8 U	110	98	86	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	2460	0 U	263	0 U	675	622.5	570	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	3.4	2.1
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092
SAMPLE ID	G-SB-91REB-13	G-SB-91REB-15	G-SB-91REC-11	G-SB-91REC-13	G-SB-91REC-15	G-SB-91REC-15-AVG	G-SB-91REC-15-D	G-SB-92RE-11	G-SB-92RE-12
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	15	15	11	12
BOTTOM DEPTH	13	15	11	13	15	15	15	11	12
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-092	SB-092	SB-092	SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D
SAMPLE ID	G-SB-92RE-13	G-SB-92RE-14	G-SB-92RE-15	G-SB-92REC-11	G-SB-92REC-13	G-SB-92REC-15	G-SB-92RED-11	G-SB-92RED-13	G-SB-92RED-15
SAMPLE DATE	20090929	20090929	20090929	20091102	20091102	20091102	20091102	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	14	15	11	13	15	11	13	15
BOTTOM DEPTH	13	14	15	11	13	15	11	13	15
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-092	SB-092	SB-092	SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D
SAMPLE ID	G-SB-92RE-13	G-SB-92RE-14	G-SB-92RE-15	G-SB-92REC-11	G-SB-92REC-13	G-SB-92REC-15	G-SB-92RED-11	G-SB-92RED-13	G-SB-92RED-15
SAMPLE DATE	20090929	20090929	20090929	20091102	20091102	20091102	20091102	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	14	15	11	13	15	11	13	15
BOTTOM DEPTH	13	14	15	11	13	15	11	13	15
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	308	951	649	1.6 U	104	1.5 U	42	1450	201
BAP EQUIVALENT-POS	308	951	649	1.6 U	104	1.5 U	41	1449	200
BENZO(A)ANTHRACENE	210	550	320	1.1 U	59	1.1 U	30	870	130
BENZO(A)PYRENE	200	650	430	1.6 U	76	1.5 U	33	1200	160
BENZO(B)FLUORANTHENE	230	660	480	1.4 U	66	1.4 U	31	1000	170
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	62	330	180	2 U	38	1.9 U	16	360	62
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-092	SB-092	SB-092	SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D
SAMPLE ID	G-SB-92RE-13	G-SB-92RE-14	G-SB-92RE-15	G-SB-92REC-11	G-SB-92REC-13	G-SB-92REC-15	G-SB-92RED-11	G-SB-92RED-13	G-SB-92RED-15
SAMPLE DATE	20090929	20090929	20090929	20091102	20091102	20091102	20091102	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	14	15	11	13	15	11	13	15
BOTTOM DEPTH	13	14	15	11	13	15	11	13	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	210	530	390	1.1 U	67	1 U	34	1100	150
DIBENZO(A,H)ANTHRACENE	51	140	110	1.6 U	10	1.5 U	1.5 U	1.6 U	1.7 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	120	360	270	1.8 U	48	1.7 U	19	570	95
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1083	3220	2180	0 U	364	0 U	163	5100	767
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	3.7	4.1	5.6	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-092	SB-092	SB-092	SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D
SAMPLE ID	G-SB-92RE-13	G-SB-92RE-14	G-SB-92RE-15	G-SB-92REC-11	G-SB-92REC-13	G-SB-92REC-15	G-SB-92RED-11	G-SB-92RED-13	G-SB-92RED-15
SAMPLE DATE	20090929	20090929	20090929	20091102	20091102	20091102	20091102	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	14	15	11	13	15	11	13	15
BOTTOM DEPTH	13	14	15	11	13	15	11	13	15
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762	SB-762	SB-762	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B
SAMPLE ID	G-SB-762-11	G-SB-762-13	G-SB-762-15	G-SB-762A-11	G-SB-762A-13	G-SB-762A-15	G-SB-762B-11	G-SB-762B-11-AVG	G-SB-762B-11-D
SAMPLE DATE	20091001	20091001	20091001	20091022	20091022	20091022	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762	SB-762	SB-762	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B
SAMPLE ID	G-SB-762-11	G-SB-762-13	G-SB-762-15	G-SB-762A-11	G-SB-762A-13	G-SB-762A-15	G-SB-762B-11	G-SB-762B-11-AVG	G-SB-762B-11-D
SAMPLE DATE	20091001	20091001	20091001	20091022	20091022	20091022	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	398	4782	67	125	88	13293	219	211	203
BAP EQUIVALENT-POS	398	4782	66	124	87	13293	219	211	203
BENZO(A)ANTHRACENE	230	3100	50	110	68	9500	120	125	130
BENZO(A)PYRENE	270	3200	51	98	69	8900	150	145	140
BENZO(B)FLUORANTHENE	310	3900	61	95	68	10000	180	165	150
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	110	1900	24	38	36	4200	69	76.5	84
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762	SB-762	SB-762	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B
SAMPLE ID	G-SB-762-11	G-SB-762-13	G-SB-762-15	G-SB-762A-11	G-SB-762A-13	G-SB-762A-15	G-SB-762B-11	G-SB-762B-11-AVG	G-SB-762B-11-D
SAMPLE DATE	20091001	20091001	20091001	20091022	20091022	20091022	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	280	3100	54	100	83	11000	180	175	170
DIBENZO(A,H)ANTHRACENE	55	670	1.6 U	1.6 U	1.6 U	1900	28	27	26
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	180	1900	34	55	43	4900	100	89.5	79
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1435	17770	274	496	367	50400	827	803	779
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762	SB-762	SB-762	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B
SAMPLE ID	G-SB-762-11	G-SB-762-13	G-SB-762-15	G-SB-762A-11	G-SB-762A-13	G-SB-762A-15	G-SB-762B-11	G-SB-762B-11-AVG	G-SB-762B-11-D
SAMPLE DATE	20091001	20091001	20091001	20091022	20091022	20091022	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	13	15	11	13	15	11	11	11
BOTTOM DEPTH	11	13	15	11	13	15	11	11	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762B	SB-762B	SB-762D	SB-762D	SB-762D	SB-763	SB-763	SB-763	SB-763A
SAMPLE ID	G-SB-762B-13	G-SB-762B-15	G-SB-762D-11	G-SB-762D-13	G-SB-762D-15	G-SB-763-11	G-SB-763-13	G-SB-763-15	G-SB-763A-11
SAMPLE DATE	20091023	20091023	20091022	20091022	20091022	20091001	20091002	20091002	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762B	SB-762B	SB-762D	SB-762D	SB-762D	SB-763	SB-763	SB-763	SB-763A
SAMPLE ID	G-SB-762B-13	G-SB-762B-15	G-SB-762D-11	G-SB-762D-13	G-SB-762D-15	G-SB-763-11	G-SB-763-13	G-SB-763-15	G-SB-763A-11
SAMPLE DATE	20091023	20091023	20091022	20091022	20091022	20091001	20091002	20091002	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	319	2188	11506	2713	59	84	992	2863	3334
BAP EQUIVALENT-POS	319	2188	11506	2713	59	84	992	2863	3334
BENZO(A)ANTHRACENE	200	1700	6900	1600	36	49	700	1400	1900
BENZO(A)PYRENE	220	1500	7900	1900	47	47	700	2000	2300
BENZO(B)FLUORANTHENE	270	1700	8300	2100	47	58	730	1800	2300
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	110	720	3800	1100	25	21	310	1100	1200
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762B	SB-762B	SB-762D	SB-762D	SB-762D	SB-763	SB-763	SB-763	SB-763A
SAMPLE ID	G-SB-762B-13	G-SB-762B-15	G-SB-762D-11	G-SB-762D-13	G-SB-762D-15	G-SB-763-11	G-SB-763-13	G-SB-763-15	G-SB-763A-11
SAMPLE DATE	20091023	20091023	20091022	20091022	20091022	20091001	20091002	20091002	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	260	1900	7700	1900	50	53	750	1600	2300
DIBENZO(A,H)ANTHRACENE	38	260	1600	330	1.6 U	22	110	410	480
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	130	790	4400	1000	29	38	350	1200	1200
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1228	8570	40600	9930	234	288	3650	9510	11680
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-762B	SB-762B	SB-762D	SB-762D	SB-762D	SB-763	SB-763	SB-763	SB-763A
SAMPLE ID	G-SB-762B-13	G-SB-762B-15	G-SB-762D-11	G-SB-762D-13	G-SB-762D-15	G-SB-763-11	G-SB-763-13	G-SB-763-15	G-SB-763A-11
SAMPLE DATE	20091023	20091023	20091022	20091022	20091022	20091001	20091002	20091002	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763A	SB-763A	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763D
SAMPLE ID	G-SB-763A-13	G-SB-763A-15	G-SB-763B-11	G-SB-763B-13	G-SB-763B-15	G-SB-763C-11	G-SB-763C-13	G-SB-763C-15	G-SB-763D-11
SAMPLE DATE	20091023	20091023	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763A	SB-763A	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763D
SAMPLE ID	G-SB-763A-13	G-SB-763A-15	G-SB-763B-11	G-SB-763B-13	G-SB-763B-15	G-SB-763C-11	G-SB-763C-13	G-SB-763C-15	G-SB-763D-11
SAMPLE DATE	20091023	20091023	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	19	29	49	184	3345	12086	8745	1.6 U
BAP EQUIVALENT-POS	1.5 U	18	28	48	183	3338	12045	8745	1.6 U
BENZO(A)ANTHRACENE	1.1 U	15	19	38	110	3100	12000	6800	1.2 U
BENZO(A)PYRENE	1.5 U	14	23	38	150	2600	9200	6100	1.6 U
BENZO(B)FLUORANTHENE	1.4 U	14	18	39	130	2700	11000	6900	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2.1 U	14	20	83	1400	5300	2700	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763A	SB-763A	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763D
SAMPLE ID	G-SB-763A-13	G-SB-763A-15	G-SB-763B-11	G-SB-763B-13	G-SB-763B-15	G-SB-763C-11	G-SB-763C-13	G-SB-763C-15	G-SB-763D-11
SAMPLE DATE	20091023	20091023	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	17	24	41	120	3600	12000	8000	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	15 U	81 U	950	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	8.3	13	22	81	1400	4800	2900	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	68.3	111	198	674	14800	54300	34350	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763A	SB-763A	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763D
SAMPLE ID	G-SB-763A-13	G-SB-763A-15	G-SB-763B-11	G-SB-763B-13	G-SB-763B-15	G-SB-763C-11	G-SB-763C-13	G-SB-763C-15	G-SB-763D-11
SAMPLE DATE	20091023	20091023	20091027	20091027	20091027	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763D	SB-763D	SB-764	SB-764	SB-764	SB-764A	SB-764C	SB-764D	SB-765
SAMPLE ID	G-SB-763D-13	G-SB-763D-15	G-SB-764-11	G-SB-764-13	G-SB-764-15	G-SB-764A-11	G-SB-764C-11	G-SB-764D-11	G-SB-765-11
SAMPLE DATE	20091023	20091023	20091002	20091002	20091002	20091027	20091027	20091027	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	11	11	11
BOTTOM DEPTH	13	15	11	13	15	11	11	11	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763D	SB-763D	SB-764	SB-764	SB-764	SB-764A	SB-764C	SB-764D	SB-765
SAMPLE ID	G-SB-763D-13	G-SB-763D-15	G-SB-764-11	G-SB-764-13	G-SB-764-15	G-SB-764A-11	G-SB-764C-11	G-SB-764D-11	G-SB-765-11
SAMPLE DATE	20091023	20091023	20091002	20091002	20091002	20091027	20091027	20091027	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	11	11	11
BOTTOM DEPTH	13	15	11	13	15	11	11	11	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.8 U	67	27	1.6 U	2470	44	57	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.8 U	66	26	1.6 U	2470	43	56	1.5 U
BENZO(A)ANTHRACENE	1.2 U	1.3 U	48	16	1.1 U	1800	34	53	1.1 U
BENZO(A)PYRENE	1.6 U	1.8 U	53	21	1.6 U	1700	34	44	1.5 U
BENZO(B)FLUORANTHENE	1.5 U	1.7 U	52	21	1.4 U	1700	36	39	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2.3 U	26	12	2 U	850	14	32	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763D	SB-763D	SB-764	SB-764	SB-764	SB-764A	SB-764C	SB-764D	SB-765
SAMPLE ID	G-SB-763D-13	G-SB-763D-15	G-SB-764-11	G-SB-764-13	G-SB-764-15	G-SB-764A-11	G-SB-764C-11	G-SB-764D-11	G-SB-765-11
SAMPLE DATE	20091023	20091023	20091002	20091002	20091002	20091027	20091027	20091027	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	11	11	11
BOTTOM DEPTH	13	15	11	13	15	11	11	11	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.2 U	57	16	1.1 U	1900	40	64	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.8 U	1.5 U	1.6 U	1.6 U	320	1.6 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	2.1 U	30	12	1.8 U	900	19	26	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	266	98	0 U	9170	177	258	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-763D	SB-763D	SB-764	SB-764	SB-764	SB-764A	SB-764C	SB-764D	SB-765
SAMPLE ID	G-SB-763D-13	G-SB-763D-15	G-SB-764-11	G-SB-764-13	G-SB-764-15	G-SB-764A-11	G-SB-764C-11	G-SB-764D-11	G-SB-765-11
SAMPLE DATE	20091023	20091023	20091002	20091002	20091002	20091027	20091027	20091027	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	11	11	11
BOTTOM DEPTH	13	15	11	13	15	11	11	11	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765	SB-765	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-805
SAMPLE ID	G-SB-765-13	G-SB-765-15	G-SB-803-11	G-SB-803-13	G-SB-803-15	G-SB-804-11	G-SB-804-13	G-SB-804-15	G-SB-805-11
SAMPLE DATE	20091002	20091002	20100826	20100826	20100826	20100823	20100823	20100823	20100824
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765	SB-765	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-805
SAMPLE ID	G-SB-765-13	G-SB-765-15	G-SB-803-11	G-SB-803-13	G-SB-803-15	G-SB-804-11	G-SB-804-13	G-SB-804-15	G-SB-805-11
SAMPLE DATE	20091002	20091002	20100826	20100826	20100826	20100823	20100823	20100823	20100824
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	7.8 U	31	4 U
2-METHYLNAPHTHALENE	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	7.8 U	10 U	4 U
ACENAPHTHENE	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	14 J	51	4 U
ACENAPHTHYLENE	NA	NA	3.8 U	44	23	4.2 U	37	49	4 U
ANTHRACENE	NA	NA	3.8 U	88 J	55 J	33	130	240	4 U
BAP EQUIVALENT-HALFND	17	1.7 U	3.8 U	352	219	187	662	1237	4 U
BAP EQUIVALENT-POS	16	1.7 U	3.8 U	350	217	185	658	1237	4 U
BENZO(A)ANTHRACENE	15	1.3 U	3.8 U	260	160	200	630	1100	4 U
BENZO(A)PYRENE	13	1.7 U	3.8 U	270 J	170 J	140	500	840	4 U
BENZO(B)FLUORANTHENE	15	1.6 U	3.8 U	350 J	190 J	150	620	930	4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	3.8 U	240 J	140 J	120	410	660	4 U
BENZO(K)FLUORANTHENE	2.2 U	2.2 U	3.8 U	140 J	96 J	86	310	500	4 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765	SB-765	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-805
SAMPLE ID	G-SB-765-13	G-SB-765-15	G-SB-803-11	G-SB-803-13	G-SB-803-15	G-SB-804-11	G-SB-804-13	G-SB-804-15	G-SB-805-11
SAMPLE DATE	20091002	20091002	20100826	20100826	20100826	20100823	20100823	20100823	20100824
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	16	1.2 U	1.3 U	320	170	220	730	1200	1.3 U
DIBENZO(A,H)ANTHRACENE	1.7 U	1.7 U	3.8 U	4.4 U	3.9 U	4.2 U	7.8 U	140	4 U
FLUORANTHENE	NA	NA	3.8 U	380 J	210 J	340	1100	2100	19
FLUORENE	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	24	70	4 U
INDENO(1,2,3-CD)PYRENE	2 U	2 U	3.8 U	170 J	110 J	89	290	480	4 U
NAPHTHALENE	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	7.8 U	10 U	4 U
PHENANTHRENE	NA	NA	3.8 U	150 J	90 J	250	630	1500	12
PYRENE	NA	NA	3.8 U	690	400	530	1900	3400	32
TOTAL PAHS	59	0 U	0 U	3102	1814	2158	7325	13260	63
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-765	SB-765	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-805
SAMPLE ID	G-SB-765-13	G-SB-765-15	G-SB-803-11	G-SB-803-13	G-SB-803-15	G-SB-804-11	G-SB-804-13	G-SB-804-15	G-SB-805-11
SAMPLE DATE	20091002	20091002	20100826	20100826	20100826	20100823	20100823	20100823	20100824
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-805	SB-805	SB-806	SB-806	SB-807	SB-807	SB-807	SB-808	SB-808
SAMPLE ID	G-SB-805-13	G-SB-805-15	G-SB-806-11	G-SB-806-15	G-SB-807-11	G-SB-807-13	G-SB-807-15	G-SB-808-11	G-SB-808-13
SAMPLE DATE	20100824	20100824	20100824	20100824	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	15	11	13	15	11	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-805	SB-805	SB-806	SB-806	SB-807	SB-807	SB-807	SB-808	SB-808
SAMPLE ID	G-SB-805-13	G-SB-805-15	G-SB-806-11	G-SB-806-15	G-SB-807-11	G-SB-807-13	G-SB-807-15	G-SB-808-11	G-SB-808-13
SAMPLE DATE	20100824	20100824	20100824	20100824	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	15	11	13	15	11	13
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4.1 U	4.1 U	4 U	20	4 U	4.1 U	4.2 U	3.7 U	7.5 U
2-METHYLNAPHTHALENE	4.1 U	4.1 U	4 U	30	4 U	4.1 U	4.2 U	3.7 U	7.5 U
ACENAPHTHENE	4.1 U	4.1 U	4 U	36 J	4 U	4.1 U	4.2 U	3.7 U	18
ACENAPHTHYLENE	4.1 U	4.1 U	9.1	84	4 U	4.1 U	4.2 U	3.7 U	66
ANTHRACENE	4.1 U	4.1 U	30 J	170 J	4 U	4.1 U	4.2 U	9.1	140
BAP EQUIVALENT-HALFND	4.1 U	4.1 U	92	780	4 U	74	4.2 U	127	1457
BAP EQUIVALENT-POS	4.1 U	4.1 U	90	778	4 U	72	4.2 U	127	1457
BENZO(A)ANTHRACENE	4.1 U	4.1 U	59	580	4 U	46	4.2 U	73	780
BENZO(A)PYRENE	4.1 U	4.1 U	71 J	610 J	4 U	58	4.2 U	85	950
BENZO(B)FLUORANTHENE	4.1 U	4.1 U	76 J	730 J	4 U	57	4.2 U	95	1000
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4.1 U	4.1 U	61 J	390 J	4 U	55	4.2 U	82	950
BENZO(K)FLUORANTHENE	4.1 U	4.1 U	40 J	300 J	4 U	32	4.2 U	36	420
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-805	SB-805	SB-806	SB-806	SB-807	SB-807	SB-807	SB-808	SB-808
SAMPLE ID	G-SB-805-13	G-SB-805-15	G-SB-806-11	G-SB-806-15	G-SB-807-11	G-SB-807-13	G-SB-807-15	G-SB-808-11	G-SB-808-13
SAMPLE DATE	20100824	20100824	20100824	20100824	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	15	11	13	15	11	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C1-FLUORANTHENES/PYRENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C1-FLUORENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C2-FLUORENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C2-NAPHTHALENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C3-FLUORENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C3-NAPHTHALENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C4-NAPHTHALENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
CHRYSENE	1.4 U	1.4 U	67	690	1.3 U	67	1.4 U	85	1000
DIBENZO(A,H)ANTHRACENE	4.1 U	4.1 U	4 U	4.2 U	4 U	4.1 U	4.2 U	19	260
FLUORANTHENE	4.1 U	8.4	100 J	850 J	4 U	78	4.2 U	87	970
FLUORENE	4.1 U	4.1 U	4 U	4.2 U	4 U	4.1 U	4.2 U	3.7 U	22
INDENO(1,2,3-CD)PYRENE	4.1 U	4.1 U	51 J	330 J	4 U	34	4.2 U	56	640
NAPHTHALENE	4.1 U	4.1 U	4 U	37	4 U	4.1 U	4.2 U	3.7 U	7.5 U
PHENANTHRENE	4.1 U	4.1 U	57 J	380 J	4 U	25	4.2 U	21	250
PYRENE	4.1 U	13	150	1600	4 U	120	4.2 U	160	1800
TOTAL PAHS	0 U	21.4	771.1	6817	0 U	572	0 U	808.1	9266
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-805	SB-805	SB-806	SB-806	SB-807	SB-807	SB-807	SB-808	SB-808
SAMPLE ID	G-SB-805-13	G-SB-805-15	G-SB-806-11	G-SB-806-15	G-SB-807-11	G-SB-807-13	G-SB-807-15	G-SB-808-11	G-SB-808-13
SAMPLE DATE	20100824	20100824	20100824	20100824	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	13	15	11	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	15	11	13	15	11	13
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-808	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-811	SB-811
SAMPLE ID	G-SB-808-15	G-SB-809-11	G-SB-809-13	G-SB-809-15	G-SB-810-11	G-SB-810-13	G-SB-810-15	G-SB-811-11	G-SB-811-13
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-808	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-811	SB-811
SAMPLE ID	G-SB-808-15	G-SB-809-11	G-SB-809-13	G-SB-809-15	G-SB-810-11	G-SB-810-13	G-SB-810-15	G-SB-811-11	G-SB-811-13
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4 U	3.8 U	8.3 U	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
2-METHYLNAPHTHALENE	4 U	3.8 U	8.3 U	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
ACENAPHTHENE	4 U	3.8 U	72 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
ACENAPHTHYLENE	4 U	3.8 U	51	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
ANTHRACENE	4 U	3.8 U	190 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
BAP EQUIVALENT-HALFND	4 U	3.8 U	1826	5.9	4.2 U	16	21	4.3 U	24
BAP EQUIVALENT-POS	4 U	3.8 U	1826	1.1	4.2 U	13	19	4.3 U	22
BENZO(A)ANTHRACENE	4 U	3.8 U	1200	11	4.2 U	12	16	4.3 U	18
BENZO(A)PYRENE	4 U	3.8 U	1300 J	4.3 U	4.2 U	11	16	4.3 U	18
BENZO(B)FLUORANTHENE	4 U	3.8 U	1400 J	4.3 U	4.2 U	12	16	4.3 U	17
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	3.8 U	880 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
BENZO(K)FLUORANTHENE	4 U	3.8 U	610 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-808	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-811	SB-811
SAMPLE ID	G-SB-808-15	G-SB-809-11	G-SB-809-13	G-SB-809-15	G-SB-810-11	G-SB-810-13	G-SB-810-15	G-SB-811-11	G-SB-811-13
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C1-FLUORENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C2-FLUORENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C2-NAPHTHALENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C3-FLUORENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C3-NAPHTHALENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C4-NAPHTHALENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	86 U	NA	NA	84 U	NA	NA
CHRYSENE	1.3 U	1.3 U	1500	13	1.4 U	15	15	1.4 U	23
DIBENZO(A,H)ANTHRACENE	4 U	3.8 U	200 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
FLUORANTHENE	4 U	3.8 U	1800 J	31 J	4.2 U	16	15	4.3 U	26
FLUORENE	4 U	3.8 U	75 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
INDENO(1,2,3-CD)PYRENE	4 U	3.8 U	580 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
NAPHTHALENE	4 U	3.8 U	25	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U
PHENANTHRENE	4 U	3.8 U	540 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	13
PYRENE	4 U	3.8 U	3500	25	4.2 U	29	32	15	41
TOTAL PAHS	0 U	0 U	13923	80	0 U	95	110	15	156
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-808	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-811	SB-811
SAMPLE ID	G-SB-808-15	G-SB-809-11	G-SB-809-13	G-SB-809-15	G-SB-810-11	G-SB-810-13	G-SB-810-15	G-SB-811-11	G-SB-811-13
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-811	SB-812	SB-812	SB-813	SB-813	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-811-15	G-SB-812-11	G-SB-812-15	G-SB-813-11	G-SB-813-13	G-SB-813-15	G-SB-813-15-AVG	G-SB-813-15-D
SAMPLE DATE	20100823	20100824	20100824	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	15	11	13	15	15	15
BOTTOM DEPTH	15	11	15	11	13	15	15	15
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-811	SB-812	SB-812	SB-813	SB-813	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-811-15	G-SB-812-11	G-SB-812-15	G-SB-813-11	G-SB-813-13	G-SB-813-15	G-SB-813-15-AVG	G-SB-813-15-D
SAMPLE DATE	20100823	20100824	20100824	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	15	11	13	15	15	15
BOTTOM DEPTH	15	11	15	11	13	15	15	15
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	4.1 U	4.1 U	7.9	4 U	31	120	120	NA
2-METHYLNAPHTHALENE	4.1 U	4.1 U	14	4 U	25	17 U	17 U	NA
ACENAPHTHENE	4.1 U	4.1 U	3.7 U	4 U	53 J	210 J	210 J	NA
ACENAPHTHYLENE	4.1 U	4.1 U	33	4 U	49	190	190	NA
ANTHRACENE	4.1 U	4.1 U	66	4 U	170 J	630 J	630 J	NA
BAP EQUIVALENT-HALFND	4.1 U	4.1 U	409	4 U	607	1957	1957	NA
BAP EQUIVALENT-POS	4.1 U	4.1 U	408	4 U	605	1948	1948	NA
BENZO(A)ANTHRACENE	4.1 U	4.1 U	280	4 U	520	1700	1700	NA
BENZO(A)PYRENE	4.1 U	4.1 U	320 J	4 U	470 J	1500 J	1500 J	NA
BENZO(B)FLUORANTHENE	4.1 U	4.1 U	370 J	4 U	530 J	1900 J	1900 J	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4.1 U	4.1 U	320	4 U	370 J	1000 J	1000 J	NA
BENZO(K)FLUORANTHENE	4.1 U	4.1 U	130	4 U	200 J	720 J	720 J	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-811	SB-812	SB-812	SB-813	SB-813	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-811-15	G-SB-812-11	G-SB-812-15	G-SB-813-11	G-SB-813-13	G-SB-813-15	G-SB-813-15-AVG	G-SB-813-15-D
SAMPLE DATE	20100823	20100824	20100824	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	15	11	13	15	15	15
BOTTOM DEPTH	15	11	15	11	13	15	15	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	1300 J	NA	NA	560 J	510	460 J
C1-FLUORANTHENES/PYRENES	NA	NA	1400 J	NA	NA	620 J	565	510 J
C1-FLUORENES	NA	NA	75 U	NA	NA	88 U	87 U	86 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	740 J	NA	NA	590 J	545	500 J
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	720 J	NA	NA	270 J	260	250 J
C2-FLUORENES	NA	NA	75 U	NA	NA	88 U	87 U	86 U
C2-NAPHTHALENES	NA	NA	75 U	NA	NA	90 J	66.5	86 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	820 J	NA	NA	450 J	430	410 J
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	240 J	NA	NA	89 J	88.5	88 J
C3-FLUORENES	NA	NA	130 J	NA	NA	88 U	87 U	86 U
C3-NAPHTHALENES	NA	NA	75 U	NA	NA	110 J	76.5	86 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	510 J	NA	NA	240 J	220	200 J
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	110 J	NA	NA	88 U	87 U	86 U
C4-NAPHTHALENES	NA	NA	90 J	NA	NA	88 U	87 U	86 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	170 J	NA	NA	88 U	87 U	86 U
CHRYSENE	1.4 U	1.4 U	330	1.3 U	590	1800	1800	NA
DIBENZO(A,H)ANTHRACENE	4.1 U	4.1 U	3.7 U	4 U	4.2 U	17 U	17 U	NA
FLUORANTHENE	4.1 U	4.1 U	390 J	24 J	870 J	2900 J	2900 J	NA
FLUORENE	4.1 U	4.1 U	3.7 U	4 U	73 J	280 J	280 J	NA
INDENO(1,2,3-CD)PYRENE	4.1 U	4.1 U	210 J	4 U	270 J	790 J	790 J	NA
NAPHTHALENE	4.1 U	4.1 U	19	4 U	13	17 U	17 U	NA
PHENANTHRENE	4.1 U	4.1 U	130	20 J	800 J	2900 J	2900 J	NA
PYRENE	4.1 U	4.1 U	650 J	13	1500	5200	5200	NA
TOTAL PAHS	0 U	0 U	3262	57	6503	21720	21720	NA
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA

Table A-23
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-811	SB-812	SB-812	SB-813	SB-813	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-811-15	G-SB-812-11	G-SB-812-15	G-SB-813-11	G-SB-813-13	G-SB-813-15	G-SB-813-15-AVG	G-SB-813-15-D
SAMPLE DATE	20100823	20100824	20100824	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	15	11	13	15	15	15
BOTTOM DEPTH	15	11	15	11	13	15	15	15
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-195	SB-195	SB-195	SB-195	SB-195	SB-196	SB-196	SB-196	SB-657	SB-657
SAMPLE ID				G-SB-195RE-11	G-SB-195RE-12	G-SB-195RE-13	G-SB-195RE-14	G-SB-195RE-15	G-SB-196RE-11	G-SB-196RE-12	G-SB-196RE-13	G-SB-657-11	G-SB-657-11-AVG
SAMPLE DATE				20091002	20091002	20091002	20091002	20091002	20091020	20091020	20091020	20091002	20091002
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	12	13	14	15	11	12	13	11	11
BOTTOM DEPTH				11	12	13	14	15	11	12	13	11	11
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		229	284	13891	24163	277	1.6 U	9.8	1.6 U	843	518
BAP EQUIVALENT-POS	22	15	C	229	284	13891	24163	277	1.6 U	8.9	1.6 U	843	518
BENZO(A)ANTHRACENE	220	150	C	130	160	7900	15000	180	1.2 U	1.1 U	1.1 U	470 J	284.5
BENZO(A)PYRENE	22	15	C	160	200	9800	17000	190	1.6 U	8	1.6 U	600 J	370
BENZO(B)FLUORANTHENE	220	150	C	170	220	12000	18000	240	1.5 U	9.1	1.4 U	580 J	360
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	68	80	5200	8600	85	2.1 U	2 U	2 U	320 J	190.5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	150	180	9300	17000	230	1.1 U	1 U	1.1 U	500 J	310
DIBENZO(A,H)ANTHRACENE	22	15	C	29	34	1500	2900	33	1.6 U	1.5 U	1.6 U	100 J	61
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	95	110	5400	8600	110	1.8 U	1.7 U	1.8 U	340 J	208
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		802	984	51100	87100	1068	0 U	17.1	0 U	2910	1784
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-657 G-SB-657-11-D	SB-657 G-SB-657-12	SB-657 G-SB-657-13	SB-657 G-SB-657-14	SB-657 G-SB-657-15	SB-657A G-SB-657A-11	SB-657A G-SB-657A-13	SB-657A G-SB-657A-15	SB-657B G-SB-657B-11	SB-657B G-SB-657B-13
SAMPLE ID				20091002	20091002	20091002	20091002	20091002	20091028	20091028	20091028	20091028	20091028
SAMPLE DATE				DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
MATRIX				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
SUBMATRIX				11	12	13	14	15	11	13	15	11	13
TOP DEPTH				11	12	13	14	15	11	13	15	11	13
BOTTOM DEPTH													
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		194	259	3231	24	4.3	8303	1482	66	28	2150
BAP EQUIVALENT-POS	22	15	C	194	259	3231	23	2.8	8303	1482	65	27	2146
BENZO(A)ANTHRACENE	220	150	C	99 J	120	1500	14	9.4	6600	940	37	23	1600
BENZO(A)PYRENE	22	15	C	140 J	180	2300	19	1.5 U	5700	1000	52	21	1700
BENZO(B)FLUORANTHENE	220	150	C	140 J	190	2600	17	10	6100	1100	57	38	1800
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	61 J	90	950	11	6.8 J	2600	470	20	9.8	760
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	120 J	150	1800	16	1 U	7200	1000	44	20	1700
DIBENZO(A,H)ANTHRACENE	22	15	C	22 J	37	390	1.5 U	1.5 U	1000	210	1.5 U	1.5 U	6.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	76 J	100	1200	12	8.1	3000	620	38	1.7 U	970
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		658	867	10740	89	34.3	32200	5340	248	111.8	8530
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-657B	SB-657D	SB-657D	SB-657D	SB-658	SB-658	SB-658	SB-658	SB-658	SB-658
SAMPLE ID				G-SB-657B-15	G-SB-657D-11	G-SB-657D-13	G-SB-657D-15	G-SB-658-11	G-SB-658-11-AVG	G-SB-658-11-D	G-SB-658-12	G-SB-658-13	G-SB-658-14
SAMPLE DATE				20091028	20091028	20091028	20091028	20091002	20091002	20091002	20091002	20091002	20091002
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	11	13	15	11	11	11	12	13	14
BOTTOM DEPTH				15	11	13	15	11	11	11	12	13	14
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		319	1.5 U	144	85	244	158	73	348	232	201
BAP EQUIVALENT-POS	22	15	C	318	1.5 U	143	85	243	158	73	347	232	201
BENZO(A)ANTHRACENE	220	150	C	250	1.1 U	120	72	210 J	131.5	53 J	280	190	140
BENZO(A)PYRENE	22	15	C	250	1.5 U	110	64	190 J	120	50 J	270	160	140
BENZO(B)FLUORANTHENE	220	150	C	280	1.4 U	140	88	200 J	129.5	59 J	320	180	160
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	110	2 U	40	30	98 J	58.5	19 J	150	72	61
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	240	1 U	110	67	220 J	140	60 J	320	190	170
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	4.725	8.7	1.5 U	26	23
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	140	1.7 U	68	42	110 J	69	28 J	150	82	76
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		1270	0 U	588	363	1028	652.85	277.7	1490	900	770
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-658	SB-658B	SB-658B	SB-658C	SB-658C	SB-658C	SB-658C	SB-658C	SB-659	SB-659
SAMPLE ID				G-SB-658-15	G-SB-658B-11	G-SB-658B-15	G-SB-658C-11	G-SB-658C-13	G-SB-658C-13-AVG	G-SB-658C-13-D	G-SB-658C-15	G-SB-659-11	G-SB-659-12
SAMPLE DATE				20091002	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091002	20091002
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	11	15	11	13	13	13	15	11	12
BOTTOM DEPTH				15	11	15	11	13	13	13	15	11	12
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		55	1.5 U	347	1.5 U	10484	7626	4768	80	265	595
BAP EQUIVALENT-POS	22	15	C	54	1.5 U	347	1.5 U	10484	7626	4768	79	265	595
BENZO(A)ANTHRACENE	220	150	C	47	1.1 U	240	1.1 U	5800 J	4150	2500 J	49	170	350
BENZO(A)PYRENE	22	15	C	42	1.5 U	240	1.5 U	6900 J	5050	3200 J	64	180	400
BENZO(B)FLUORANTHENE	220	150	C	48	1.4 U	270	1.4 U	7900 J	5600	3300 J	59	210	430
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	19	2 U	130	2 U	2800 J	2150	1500 J	46	77	190
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	50	1.1 U	320	1.1 U	6200 J	4400	2600 J	59	190	390
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	40	1.5 U	1800 J	1305	810 J	1.5 U	35	91
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	23	1.8 U	140	1.8 U	3800 J	2700	1600 J	41	110	240
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		229	0 U	1380	0 U	35200	25355	15510	318	972	2091
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-659	SB-659	SB-659	SB-659C	SB-659C	SB-659C	SB-659D	SB-659D	SB-659D	SB-660
SAMPLE ID				G-SB-659-13	G-SB-659-14	G-SB-659-15	G-SB-659C-11	G-SB-659C-13	G-SB-659C-15	G-SB-659D-11	G-SB-659D-13	G-SB-659D-15	G-SB-660-11
SAMPLE DATE				20091002	20091002	20091002	20091029	20091029	20091029	20091029	20091029	20091029	20091002
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				13	14	15	11	13	15	11	13	15	11
BOTTOM DEPTH				13	14	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2324	744	19	268	4677	182	1.5 U	447	1.5 U	41
BAP EQUIVALENT-POS	22	15	C	2324	744	18	267	4673	181	1.5 U	446	1.5 U	40
BENZO(A)ANTHRACENE	220	150	C	1400	450	14	230	4000	160	1.1 U	320	1.1 U	29
BENZO(A)PYRENE	22	15	C	1600	530	14	210	3800	140	1.5 U	350	1.5 U	32
BENZO(B)FLUORANTHENE	220	150	C	1800	600	16	200	4000	160	1.4 U	430	1.4 U	30
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	710	200	2 U	160	3000	110	1.9 U	200	2 U	18
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1500	470	13	260	5200	170	1 U	350	1 U	31
DIBENZO(A,H)ANTHRACENE	22	15	C	310	79	1.5 U	1.5 U	8.3 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	850	280	9.3	120	380	79	1.7 U	190	1.7 U	18
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		8170	2609	66.3	1180	20380	819	0 U	1840	0 U	158
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-660	SB-662	SB-662	SB-662	SB-662A	SB-662B	SB-662C	SB-671	SB-671	SB-671
SAMPLE ID				G-SB-660-12	G-SB-662-11	G-SB-662-12	G-SB-662-13	G-SB-662A-11	G-SB-662B-11	G-SB-662C-11	G-SB-671RE-11	G-SB-671RE-12	G-SB-671RE-13
SAMPLE DATE				20091002	20091020	20091020	20091020	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				12	11	12	13	11	11	11	11	12	13
BOTTOM DEPTH				12	11	12	13	11	11	11	11	12	13
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		15	1.6 U	1.6 U	1.6 U	1.6 U	2472	1.6 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	15	1.6 U	1.6 U	1.6 U	1.6 U	2472	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	12	1.1 U	1.2 U	1.2 U	1.2 U	1700	1.2 U	1.2 U	1.2 U	1.1 U
BENZO(A)PYRENE	22	15	C	12	1.6 U	1.6 U	1.6 U	1.6 U	1700	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	14	1.4 U	1.5 U	1.5 U	1.5 U	2000	1.5 U	1.5 U	1.5 U	1.4 U
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2.1 U	2.1 U	2.1 U	960	2.1 U	2.1 U	2.1 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	12	1.1 U	1.1 U	1.1 U	1.1 U	2100	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	280	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1100	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		50	0 U	0 U	0 U	0 U	9840	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION				SB-671B	SB-671C	SB-671D	SB-704	SB-704	SB-704	SB-706	SB-706	SB-706	SB-706
SAMPLE ID				G-SB-671B-11	G-SB-671C-11	G-SB-671D-11	G-SB-704-11	G-SB-704-12	G-SB-704-15	G-SB-706-11	G-SB-706-12	G-SB-706-13	G-SB-706-14
SAMPLE DATE				20091111	20091111	20091111	20090923	20090923	20090923	20090922	20090922	20090922	20090922
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	11	11	11	12	15	11	12	13	14
BOTTOM DEPTH				11	11	11	11	12	15	11	12	13	14
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	12	1.7 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	11	1.7 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	9.8	1.7 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	9.5	1.5 U	1.5 U	1.4 U	1.6 U	1.5 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	2 U	2.2 U	2.2 U	2 U	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.5 U	1.7 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	2 U	1.9 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	19.3	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION				SB-706	SB-716	SB-716	SB-716	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726
SAMPLE ID				G-SB-706-15	G-SB-716-11	G-SB-716-12	G-SB-716-15	G-SB-726-11	G-SB-726-12	G-SB-726-13	G-SB-726-14	G-SB-726-15	G-SB-726-15-AVG
SAMPLE DATE				20090922	20090923	20090923	20090923	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	11	12	15	11	12	13	14	15	15
BOTTOM DEPTH				15	11	12	15	11	12	13	14	15	15
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	1.5 U	1.5 U	2.2 U	2.2 U	2.6	9.1	2.3 U	2.25 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	1.5 U	1.5 U	2.2 U	2.2 U	0.54	8.2	2.3 U	2.25 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.2 U	1.1 U	1.1 U	1.2 U	1.3 U	1.9 J	6 J	1.3 U	1.3 U
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	1.5 U	1.5 U	2.2 U	2.2 U	2.2 U	6.2 J	2.3 U	2.25 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	1.4 U	1.4 U	1.6 U	1.6 U	2.1 J	9.3	1.7 U	1.65 U
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2.1 U	2 U	2 U	1.6 U	1.6 U	1.7 U	1.6 U	1.7 U	1.7 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	1.1 U	1.4 U	1.4 U	2 J	6.8 J	1.4 U	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.9 U	1.8 U	1.8 U	0.43 U	0.43 U	1.4 J	5.1 J	0.45 U	0.445 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	7.4	33.4	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-726	SB-735	SB-735B	SB-735C	SB-736B	SB-736C	SB-736C	SB-736C	SB-761	SB-761
SAMPLE ID				G-SB-726-15-D	G-SB-735-11	G-SB-735B-11	G-SB-735C-11	G-SB-736B-11	G-SB-736C-11	G-SB-736C-11-AVG	G-SB-736C-11-D	G-SB-761-11	G-SB-761-13
SAMPLE DATE				20091008	20091103	20091112	20091112	20091112	20091112	20091112	20091112	20090930	20090930
SAMPLE CODE				DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	11	11	11	11	11	11	11	11	13
BOTTOM DEPTH				15	11	11	11	11	11	11	11	11	13
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2.2 U	14	**17**	4.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**35343**	**795**
BAP EQUIVALENT-POS	22	15	C	2.2 U	13	**16**	4.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**35343**	**795**
BENZO(A)ANTHRACENE	220	150	C	1.3 U	13	1.2 U	3.3 U	1.1 U	1.1 U	1.1 U	1.1 U	**30000**	**630**
BENZO(A)PYRENE	22	15	C	2.2 U	10	14	4.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**24000**	**540**
BENZO(B)FLUORANTHENE	220	150	C	1.6 U	15	23	4.1 U	1.4 U	1.3 U	1.35 U	1.4 U	**27000**	**610**
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.7 U	2.1 U	2.1 U	5.8 U	2 U	1.9 U	1.95 U	2 U	**11000**	250
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.4 U	13	20	3.1 U	1.1 U	1 U	1 U	1 U	**33000**	690
DIBENZO(A,H)ANTHRACENE	22	15	C	1.8 U	1.6 U	1.6 U	4.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**4300**	**98**
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	0.44 U	1.8 U	1.9 U	5.2 U	1.8 U	1.7 U	1.7 U	1.7 U	**12000**	**300**
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	51	57	0 U	0 U	0 U	0 U	0 U	141300	3118
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-761	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B	SB-761C	SB-761C
SAMPLE ID				G-SB-761-15	G-SB-761-15-AVG	G-SB-761-15-D	G-SB-761A-11	G-SB-761A-13	G-SB-761A-15	G-SB-761B-11	G-SB-761B-15	G-SB-761C-11	G-SB-761C-15
SAMPLE DATE				20090930	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	15	15	11	13	15	11	15	11	15
BOTTOM DEPTH				15	15	15	11	13	15	11	15	11	15
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		817	575	333	95	2231	552	28	547	45	1035
BAP EQUIVALENT-POS	22	15	C	817	575	333	95	2231	552	27	547	44	1035
BENZO(A)ANTHRACENE	220	150	C	630 J	465	300 J	48	970	220	25	500	42	770
BENZO(A)PYRENE	22	15	C	530 J	375	220 J	67	1500	410	21	380	34	650
BENZO(B)FLUORANTHENE	220	150	C	600 J	425	250 J	64	1500	350	22	440	40	820
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	250 J	180	110 J	29	550	170	8.3	210	14	400
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	680 J	480	280 J	60	1100	270	27	560	49	970
DIBENZO(A,H)ANTHRACENE	22	15	C	130 J	87	44 J	12	400	56	1.6 U	49	1.6 U	180
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	310 J	220	130 J	42	770	270	13	210	19	410
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		3130	2232	1334	322	6790	1746	116.3	2349	198	4200
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-761D	SB-761D	SB-761D
SAMPLE ID				G-SB-761D-11	G-SB-761D-13	G-SB-761D-15
SAMPLE DATE				20091022	20091022	20091022
SAMPLE CODE				NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB
TOP DEPTH				11	13	15
BOTTOM DEPTH				11	13	15
VOLATILES (UG/KG)						
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA
SEMIVOLATILES (UG/KG)						
PHENOL	2300000	1800000	N	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		234	1125	6375
BAP EQUIVALENT-POS	22	15	C	234	1125	6375
BENZO(A)ANTHRACENE	220	150	C	180	820	4700
BENZO(A)PYRENE	22	15	C	150	780	4400
BENZO(B)FLUORANTHENE	220	150	C	160	890	3900
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	62	320	1900
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA
CHRYSENE	22000	15000	C	200	1000	5800
DIBENZO(A,H)ANTHRACENE	22	15	C	40	120	880
FLUORANTHENE	310000	230000	N	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	93	500	2100
NAPHTHALENE	160000	3600	C	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA
TOTAL PAHS	NC	NC		885	4430	23680
METALS (MG/KG)						
ANTIMONY	3.1	3.1	N	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA
COPPER	310	310	N	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA
LEAD	400	400		NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA
SILVER	39	39	N	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)						
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (%)						
PERCENT SOLIDS	NC	NC		NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)						
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	G-TP-2	MRC-MW12A	MRC-MW95D	OW-4	OW-4	OW-6	OW-6	SB-085	SB-086	SB-091
SAMPLE ID			G-TP-2-5-13-14	MRC-MW12[1213]	MRC-MW95D-SO-214	OW-4-26	OW-4-30	OW-6-20	OW-6-30	SB-85-12	SB-86-12	G-SB-91RE-11
SAMPLE DATE			20100921	20050517	20100513	20071127	20071127	20071129	20071129	20041115	20041115	20090930
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			13	12	214	26	30	20	30	12	12	11
BOTTOM DEPTH			14	13	214	26	30	20	30	12	12	11
VOLATILES (UG/KG)												
1,1,1-TRICHLOROETHANE	16000000	870000 N	NA	NA	0.65 U	6 U	5.9 U	6.2 U	1.3 J	6 UL	6 UL	NA
1,1-DICHLOROETHANE	1600000	3300 C	NA	NA	0.42 U	6 U	5.9 U	1.6 J	1.3 J	6 UL	6 UL	NA
1,1-DICHLOROETHENE	390000	24000 N	NA	NA	0.6 U	6 U	5.9 U	5 J	7.4	6 UL	6 UL	NA
2-BUTANONE	4700000	2800000 N	NA	NA	27	12 U	12 U	12 U	12 U	57 UL	57 UL	NA
ACETONE	7000000	6100000 N	NA	NA	64 B	12 U	8 J	7.8 J	9.7 J	57 UL	57 UL	NA
BENZENE	12000	1100 C	NA	NA	0.52 J	6 U	5.9 U	6.2 U	0.29 J	6 UL	6 UL	NA
CIS-1,2-DICHLOROETHENE	78000	16000 N	NA	NA	0.42 U	6 U	0.87 J	4.1 J	3.5 J	6 UL	6 UL	NA
ETHYLBENZENE	780000	5400 C	NA	NA	0.41 J	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	0.99 B	16 B	14 B	4.7 B	4.6 B	9 J	11 J	NA
N-BUTYLBENZENE	NC	NC	NA	NA	0.35 J	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL	NA
O-XYLENE	1600000 [4]	380000 N	NA	NA	0.59 J	6 U	5.9 U	6.2 U	6 U	6 UL	6 UL	NA
TOTAL XYLENES	1600000 [4]	63000 N	NA	NA	1.5 J	12 U	12 U	12 U	12 U	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	0.49 U	6 U	4 J	17	64	6 UL	7 L	NA
SEMIVOLATILES (UG/KG)												
PHENOL	2300000	1800000 N	NA	NA	NA	NA	NA	NA	NA	960 J	980 J	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	3.9 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	NA
ACENAPHTHENE	470000	340000 N	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	NA
ACENAPHTHYLENE	470000	340000 N[5]	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	NA
ANTHRACENE	2300000	1700000 N	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	NA
BAP EQUIVALENT-HALFND	22	15	32	NA	NA	NA	NA	NA	NA	390 U	411	1.5 U
BAP EQUIVALENT-POS	22	15 C	30	NA	NA	NA	NA	NA	NA	390 U	12	1.5 U
BENZO(A)ANTHRACENE	220	150 C	8.4	NA	NA	NA	NA	NA	NA	390 UJ	47 J	1.1 U
BENZO(A)PYRENE	22	15 C	26 J	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	9.9	NA	NA	NA	NA	NA	NA	NA	NA	1.4 U
BENZO(B+K)FLUORANTHENE	220 [6]	150 C[6]	NA	NA	NA	NA	NA	NA	NA	390 UJ	74 J	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	10	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	NA
BENZO(K)FLUORANTHENE	2200	1500 C	3.9 U	NA	NA	NA	NA	NA	NA	NA	NA	2 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	10	NA	NA	NA	NA	NA	NA	390 UJ	51 J	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	1.5 U
FLUORANTHENE	310000	230000 N	8.5	NA	NA	NA	NA	NA	NA	390 UJ	110 J	NA
FLUORENE	310000	230000 N	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	22 J	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	1.8 U
NAPHTHALENE	160000	3600 C	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	380 UJ	NA
PHENANTHRENE	2300000	170000 N[7]	3.9 U	NA	NA	NA	NA	NA	NA	390 UJ	89 J	NA
PYRENE	230000	170000 N	16	NA	NA	NA	NA	NA	NA	390 UJ	89 J	NA
TOTAL PAHS	NC	NC	110.8	NA	NA	NA	NA	NA	NA	0 U	460	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	0.28 J	0.096 B	0.12 B	0.095 B	2.6 UL	2.6 UL	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	0.32 L	0.19 L	1.1 L	0.24 L	0.98	0.51 U	NA
BARIUM	1600	1500 N	NA	NA	NA	9.7	6.6	11.8	6	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	0.7	0.63	0.8	0.48	2.6 U	2.6 U	NA
CADMIUM	3.9	7 N	NA	NA	NA	0.012 B	0.0085 B	0.12	0.0081 B	2.6 U	2.6 U	NA
CHROMIUM	12000 [8]	12000 N[8]	NA	NA	NA	8.9 J	9.1 J	10.6 J	9.1 J	14	11	NA
COBALT	NC	2.3 N	NA	NA	NA	3.1 J	2.9 J	8.1 J	2.1 J	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	5.7 J	4.8 J	8.1 J	4.6 J	12	12	NA
IRON	5500	5500 N	NA	NA	NA	21600 J	8400 J	10300 J	6100 J	NA	NA	NA
LEAD	400	400	NA	NA	NA	4 J	2.5 J	4.5 J	2.8 J	15 J	16 J	NA
MANGANESE	160	180 N	NA	NA	NA	156 J	76.1 J	137 J	30.6 J	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	6.6 J	5.2 J	17 J	4.5 J	26 J	13 J	NA
SELENIUM	39	39 N	NA	NA	NA	0.24 L	0.19 UL	0.22 L	0.19 UL	2.6 UL	2.6 UL	NA
SILVER	39	39 N	NA	NA	NA	0.089	0.047	0.056	0.03 B	2.6 UR	2.6 UR	NA
THALLIUM	0.55	NC	NA	NA	NA	0.05	0.034	0.043	0.031	2.1 U	2 U	NA
VANADIUM	7.8	39 N[9]	NA	NA	NA	10.1 J	11.8 J	18.8 J	19.2 J	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	13.8 K	11.8 K	26.4 K	10.5 K	110	39	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	13000 J	11000 UJ	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	82.9	84.2	80.5	83.9	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
TOTAL ORGANIC CARBON	NC	NC	NA	1320	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-091 G-SB-91RE-12 20090930 NORMAL SO NORMAL SB 12 12	SB-091 G-SB-91RE-13 20090930 NORMAL SO NORMAL SB 13 13	SB-091 G-SB-91RE-14 20090930 NORMAL SO NORMAL SB 14 14	SB-091 G-SB-91RE-15 20090930 NORMAL SO NORMAL SB 15 15	SB-091A G-SB-91REA-11 20091030 NORMAL SO NORMAL SB 11 11	SB-091A G-SB-91REA-13 20091030 NORMAL SO NORMAL SB 13 13	SB-091A G-SB-91REA-15 20091030 NORMAL SO NORMAL SB 15 15	SB-091B G-SB-91REB-11 20091102 NORMAL SO NORMAL SB 11 11	SB-091B G-SB-91REB-13 20091102 NORMAL SO NORMAL SB 13 13	SB-091B G-SB-91REB-15 20091102 NORMAL SO NORMAL SB 15 15
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**19**	**1458**	**110**	1.6 U	1.5 U	**84**	1.6 U	**19**	**621**	1.6 U
BAP EQUIVALENT-POS	22	15	C	**19**	**1458**	**110**	1.6 U	1.5 U	**83**	1.6 U	**18**	**620**	1.6 U
BENZO(A)ANTHRACENE	220	150	C	10	**620**	44	1.2 U	1.1 U	58	1.2 U	1.1 U	**340**	1.1 U
BENZO(A)PYRENE	22	15	C	14	**950**	**66**	1.6 U	1.5 U	**65**	1.6 U	**18**	**490**	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	16	**940**	74	1.5 U	1.4 U	73	1.5 U	1.4 U	**540**	1.4 U
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	450	24	2.1 U	2 U	24	2.1 U	2 U	280	2.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	11	770	53	1.1 U	1 U	62	1.1 U	1.1 U	420	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	**290**	**26**	1.6 U	1.5 U	1.5 U	1.6 U	1.5 U	1.7 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	21	**570**	57	1.8 U	1.7 U	48	1.8 U	1.8 U	**390**	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		72	4590	344	0 U	0 U	330	0 U	18	2460	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-091C	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092	SB-092	SB-092	SB-092
SAMPLE ID				G-SB-91REC-11	G-SB-91REC-13	G-SB-91REC-15	G-SB-91REC-15-AVG	G-SB-91REC-15-D	G-SB-92RE-11	G-SB-92RE-12	G-SB-92RE-13	G-SB-92RE-14	G-SB-92RE-15
SAMPLE DATE				20091102	20091102	20091102	20091102	20091102	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	15	15	11	12	13	14	15
BOTTOM DEPTH				11	13	15	15	15	11	12	13	14	15
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		69	1.6 U	205	189	173	1.6 U	1.5 U	308	951	649
BAP EQUIVALENT-POS	22	15	C	69	1.6 U	205	189	173	1.6 U	1.5 U	308	951	649
BENZO(A)ANTHRACENE	220	150	C	32	1.1 U	67	63	59	1.1 U	1.1 U	210	550	320
BENZO(A)PYRENE	22	15	C	54	1.6 U	140	130	120	1.6 U	1.5 U	200	650	430
BENZO(B)FLUORANTHENE	220	150	C	75	1.5 U	180	160	140	1.4 U	1.4 U	230	660	480
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	31	2.1 U	64	69	74	2 U	2 U	62	330	180
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	35	1.1 U	85	76	67	1.1 U	1.1 U	210	530	390
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	29	26.5	24	1.6 U	1.5 U	51	140	110
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	36	1.8 U	110	98	86	1.8 U	1.8 U	120	360	270
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		263	0 U	675	622.5	570	0 U	0 U	1083	3220	2180
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	3.4	2.1	3.7	4.1	5.6
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-092C	SB-092C	SB-092C	SB-092D	SB-092D	SB-092D	SB-762	SB-762	SB-762	SB-762A
SAMPLE ID				G-SB-92REC-11	G-SB-92REC-13	G-SB-92REC-15	G-SB-92RED-11	G-SB-92RED-13	G-SB-92RED-15	G-SB-762-11	G-SB-762-13	G-SB-762-15	G-SB-762A-11
SAMPLE DATE				20091102	20091102	20091102	20091102	20091102	20091102	20091001	20091001	20091001	20091022
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH				11	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	104	1.5 U	42	1450	201	398	4782	67	125
BAP EQUIVALENT-POS	22	15	C	1.6 U	104	1.5 U	41	1449	200	398	4782	66	124
BENZO(A)ANTHRACENE	220	150	C	1.1 U	59	1.1 U	30	870	130	230	3100	50	110
BENZO(A)PYRENE	22	15	C	1.6 U	76	1.5 U	33	1200	160	270	3200	51	98
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	66	1.4 U	31	1000	170	310	3900	61	95
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	38	1.9 U	16	360	62	110	1900	24	38
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	67	1 U	34	1100	150	280	3100	54	100
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	10	1.5 U	1.5 U	1.6 U	1.7 U	55	670	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	48	1.7 U	19	570	95	180	1900	34	55
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	364	0 U	163	5100	767	1435	17770	274	496
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-762A	SB-762A	SB-762B	SB-762B	SB-762B	SB-762B	SB-762B	SB-762D	SB-762D	SB-762D
SAMPLE ID				G-SB-762A-13	G-SB-762A-15	G-SB-762B-11	G-SB-762B-11-AVG	G-SB-762B-11-D	G-SB-762B-13	G-SB-762B-15	G-SB-762D-11	G-SB-762D-13	G-SB-762D-15
SAMPLE DATE				20091022	20091022	20091023	20091023	20091023	20091023	20091023	20091022	20091022	20091022
SAMPLE CODE				NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				13	15	11	11	11	13	15	11	13	15
BOTTOM DEPTH				13	15	11	11	11	13	15	11	13	15
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		**88**	**13293**	**219**	**211**	**203**	**319**	**2188**	**11506**	**2713**	**59**
BAP EQUIVALENT-POS	22	15	C	**87**	**13293**	**219**	**211**	**203**	**319**	**2188**	**11506**	**2713**	**59**
BENZO(A)ANTHRACENE	220	150	C	68	**9500**	120	125	130	**200**	**1700**	**6900**	**1600**	36
BENZO(A)PYRENE	22	15	C	**69**	**8900**	**150**	**145**	**140**	**220**	**1500**	**7900**	**1900**	**47**
BENZO(B)FLUORANTHENE	220	150	C	68	**10000**	**180**	**165**	150	**270**	**1700**	**8300**	**2100**	47
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	36	**4200**	69	76.5	84	110	720	**3800**	1100	25
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	83	11000	180	175	170	260	1900	7700	1900	50
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	**1900**	**28**	**27**	**26**	**38**	**260**	**1600**	**330**	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	43	**4900**	100	89.5	79	130	**790**	**4400**	**1000**	29
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		367	50400	827	803	779	1228	8570	40600	9930	234
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-763	SB-763	SB-763	SB-763A	SB-763A	SB-763A	SB-763B	SB-763B	SB-763B	SB-763C
SAMPLE ID				G-SB-763-11	G-SB-763-13	G-SB-763-15	G-SB-763A-11	G-SB-763A-13	G-SB-763A-15	G-SB-763B-11	G-SB-763B-13	G-SB-763B-15	G-SB-763C-11
SAMPLE DATE				20091001	20091002	20091002	20091023	20091023	20091023	20091027	20091027	20091027	20091023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH				11	13	15	11	13	15	11	13	15	11
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		84	992	2863	3334	1.5 U	19	29	49	184	3345
BAP EQUIVALENT-POS	22	15	C	84	992	2863	3334	1.5 U	18	28	48	183	3338
BENZO(A)ANTHRACENE	220	150	C	49	700	1400	1900	1.1 U	15	19	38	110	3100
BENZO(A)PYRENE	22	15	C	47	700	2000	2300	1.5 U	14	23	38	150	2600
BENZO(B)FLUORANTHENE	220	150	C	58	730	1800	2300	1.4 U	14	18	39	130	2700
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	21	310	1100	1200	2 U	2.1 U	14	20	83	1400
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	53	750	1600	2300	1.1 U	17	24	41	120	3600
DIBENZO(A,H)ANTHRACENE	22	15	C	22	110	410	480	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	15 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	38	350	1200	1200	1.8 U	8.3	13	22	81	1400
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		288	3650	9510	11680	0 U	68.3	111	198	674	14800
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-763C G-SB-763C-13 20091023 NORMAL SO NORMAL SB 13 13	SB-763C G-SB-763C-15 20091023 NORMAL SO NORMAL SB 15 15	SB-763D G-SB-763D-11 20091023 NORMAL SO NORMAL SB 11 11	SB-763D G-SB-763D-13 20091023 NORMAL SO NORMAL SB 13 13	SB-763D G-SB-763D-15 20091023 NORMAL SO NORMAL SB 15 15	SB-764 G-SB-764-11 20091002 NORMAL SO NORMAL SB 11 11	SB-764 G-SB-764-13 20091002 NORMAL SO NORMAL SB 13 13	SB-764 G-SB-764-15 20091002 NORMAL SO NORMAL SB 15 15	SB-764A G-SB-764A-11 20091027 NORMAL SO NORMAL SB 11 11	SB-764C G-SB-764C-11 20091027 NORMAL SO NORMAL SB 11 11
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		12086	8745	1.6 U	1.6 U	1.8 U	67	27	1.6 U	2470	44
BAP EQUIVALENT-POS	22	15	C	12045	8745	1.6 U	1.6 U	1.8 U	66	26	1.6 U	2470	43
BENZO(A)ANTHRACENE	220	150	C	12000	6800	1.2 U	1.2 U	1.3 U	48	16	1.1 U	1800	34
BENZO(A)PYRENE	22	15	C	9200	6100	1.6 U	1.6 U	1.8 U	53	21	1.6 U	1700	34
BENZO(B)FLUORANTHENE	220	150	C	11000	6900	1.5 U	1.5 U	1.7 U	52	21	1.4 U	1700	36
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	5300	2700	2.1 U	2.1 U	2.3 U	26	12	2 U	850	14
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	12000	8000	1.1 U	1.1 U	1.2 U	57	16	1.1 U	1900	40
DIBENZO(A,H)ANTHRACENE	22	15	C	81 U	950	1.6 U	1.6 U	1.8 U	1.5 U	1.6 U	1.6 U	320	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	4800	2900	1.8 U	1.8 U	2.1 U	30	12	1.8 U	900	19
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		54300	34350	0 U	0 U	0 U	266	98	0 U	9170	177
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-764D	SB-765	SB-765	SB-765	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804
SAMPLE ID				G-SB-764D-11	G-SB-765-11	G-SB-765-13	G-SB-765-15	G-SB-803-11	G-SB-803-13	G-SB-803-15	G-SB-804-11	G-SB-804-13	G-SB-804-15
SAMPLE DATE				20091027	20091002	20091002	20091002	20100826	20100826	20100826	20100823	20100823	20100823
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH				11	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	7.8 U	31
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	7.8 U	10 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	14 J	51
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	3.8 U	44	23	4.2 U	37	49
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	3.8 U	88 J	55 J	33	130	240
BAP EQUIVALENT-HALFND	22	15		57	1.5 U	17	1.7 U	3.8 U	352	219	187	662	1237
BAP EQUIVALENT-POS	22	15	C	56	1.5 U	16	1.7 U	3.8 U	350	217	185	658	1237
BENZO(A)ANTHRACENE	220	150	C	53	1.1 U	15	1.3 U	3.8 U	260	160	200	630	1100
BENZO(A)PYRENE	22	15	C	44	1.5 U	13	1.7 U	3.8 U	270 J	170 J	140	500	840
BENZO(B)FLUORANTHENE	220	150	C	39	1.4 U	15	1.6 U	3.8 U	350 J	190 J	150	620	930
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	3.8 U	240 J	140 J	120	410	660
BENZO(K)FLUORANTHENE	2200	1500	C	32	2 U	2.2 U	2.2 U	3.8 U	140 J	96 J	86	310	500
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	64	1.1 U	16	1.2 U	1.3 U	320	170	220	730	1200
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.7 U	1.7 U	3.8 U	4.4 U	3.9 U	4.2 U	7.8 U	140
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	3.8 U	380 J	210 J	340	1100	2100
FLUORENE	310000	230000	N	NA	NA	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	24	70
INDENO(1,2,3-CD)PYRENE	220	150	C	26	1.8 U	2 U	2 U	3.8 U	170 J	110 J	89	290	480
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	3.8 U	4.4 U	3.9 U	4.2 U	7.8 U	10 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	3.8 U	150 J	90 J	250	630	1500
PYRENE	230000	170000	N	NA	NA	NA	NA	3.8 U	690	400	530	1900	3400
TOTAL PAHS	NC	NC		258	0 U	59	0 U	0 U	3102	1814	2158	7325	13260
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-805	SB-805	SB-805	SB-806	SB-806	SB-807	SB-807	SB-807	SB-808	SB-808
SAMPLE ID				G-SB-805-11	G-SB-805-13	G-SB-805-15	G-SB-806-11	G-SB-806-15	G-SB-807-11	G-SB-807-13	G-SB-807-15	G-SB-808-11	G-SB-808-13
SAMPLE DATE				20100824	20100824	20100824	20100824	20100824	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	15	11	13	15	11	13
BOTTOM DEPTH				11	13	15	11	15	11	13	15	11	13
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	4 U	4.1 U	4.1 U	4 U	20	4 U	4.1 U	4.2 U	3.7 U	7.5 U
2-METHYLNAPHTHALENE	31000	31000	N	4 U	4.1 U	4.1 U	4 U	30	4 U	4.1 U	4.2 U	3.7 U	7.5 U
ACENAPHTHENE	470000	340000	N	4 U	4.1 U	4.1 U	4 U	36 J	4 U	4.1 U	4.2 U	3.7 U	18
ACENAPHTHYLENE	470000	340000	N[5]	4 U	4.1 U	4.1 U	9.1	84	4 U	4.1 U	4.2 U	3.7 U	66
ANTHRACENE	2300000	1700000	N	4 U	4.1 U	4.1 U	30 J	170 J	4 U	4.1 U	4.2 U	9.1	140
BAP EQUIVALENT-HALFND	22	15		4 U	4.1 U	4.1 U	**92**	**780**	4 U	**74**	4.2 U	**127**	**1457**
BAP EQUIVALENT-POS	22	15	C	4 U	4.1 U	4.1 U	**90**	**778**	4 U	**72**	4.2 U	**127**	**1457**
BENZO(A)ANTHRACENE	220	150	C	4 U	4.1 U	4.1 U	59	**580**	4 U	46	4.2 U	73	**780**
BENZO(A)PYRENE	22	15	C	4 U	4.1 U	4.1 U	**71 J**	**610 J**	4 U	**58**	4.2 U	**85**	**950**
BENZO(B)FLUORANTHENE	220	150	C	4 U	4.1 U	4.1 U	76 J	**730 J**	4 U	57	4.2 U	95	**1000**
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4 U	4.1 U	4.1 U	61 J	390 J	4 U	55	4.2 U	82	950
BENZO(K)FLUORANTHENE	2200	1500	C	4 U	4.1 U	4.1 U	40 J	300 J	4 U	32	4.2 U	36	420
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C3-FLUORENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	83 U	NA	NA	NA	NA	85 U	NA	NA
CHRYSENE	22000	15000	C	1.3 U	1.4 U	1.4 U	67	690	1.3 U	67	1.4 U	85	1000
DIBENZO(A,H)ANTHRACENE	22	15	C	4 U	4.1 U	4.1 U	4 U	4.2 U	4 U	4.1 U	4.2 U	**19**	**260**
FLUORANTHENE	310000	230000	N	19	4.1 U	8.4	100 J	850 J	4 U	78	4.2 U	87	970
FLUORENE	310000	230000	N	4 U	4.1 U	4.1 U	4 U	4.2 U	4 U	4.1 U	4.2 U	3.7 U	22
INDENO(1,2,3-CD)PYRENE	220	150	C	4 U	4.1 U	4.1 U	51 J	**330 J**	4 U	34	4.2 U	56	**640**
NAPHTHALENE	160000	3600	C	4 U	4.1 U	4.1 U	4 U	37	4 U	4.1 U	4.2 U	3.7 U	7.5 U
PHENANTHRENE	2300000	170000	N[7]	12	4.1 U	4.1 U	57 J	380 J	4 U	25	4.2 U	21	250
PYRENE	230000	170000	N	32	4.1 U	13	150	1600	4 U	120	4.2 U	160	1800
TOTAL PAHS	NC	NC		63	0 U	21.4	771.1	6817	0 U	572	0 U	808.1	9266
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-808	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-811	SB-811	SB-811
SAMPLE ID				G-SB-808-15	G-SB-809-11	G-SB-809-13	G-SB-809-15	G-SB-810-11	G-SB-810-13	G-SB-810-15	G-SB-811-11	G-SB-811-13	G-SB-811-15
SAMPLE DATE				20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH				15	11	13	15	11	13	15	11	13	15
VOLATILES (UG/KG)													
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	4 U	3.8 U	8.3 U	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
2-METHYLNAPHTHALENE	31000	31000	N	4 U	3.8 U	8.3 U	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
ACENAPHTHENE	470000	340000	N	4 U	3.8 U	72 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
ACENAPHTHYLENE	470000	340000	N[5]	4 U	3.8 U	51	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
ANTHRACENE	2300000	1700000	N	4 U	3.8 U	190 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
BAP EQUIVALENT-HALFND	22	15		4 U	3.8 U	1826	5.9	4.2 U	16	21	4.3 U	24	4.1 U
BAP EQUIVALENT-POS	22	15	C	4 U	3.8 U	1826	1.1	4.2 U	13	19	4.3 U	22	4.1 U
BENZO(A)ANTHRACENE	220	150	C	4 U	3.8 U	1200	11	4.2 U	12	16	4.3 U	18	4.1 U
BENZO(A)PYRENE	22	15	C	4 U	3.8 U	1300 J	4.3 U	4.2 U	11	16	4.3 U	18	4.1 U
BENZO(B)FLUORANTHENE	220	150	C	4 U	3.8 U	1400 J	4.3 U	4.2 U	12	16	4.3 U	17	4.1 U
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4 U	3.8 U	880 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
BENZO(K)FLUORANTHENE	2200	1500	C	4 U	3.8 U	610 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C2-NAPHTHALENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C3-FLUORENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C3-NAPHTHALENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C4-NAPHTHALENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	86 U	NA	NA	84 U	NA	NA	NA
CHRYSENE	22000	15000	C	1.3 U	1.3 U	1500	13	1.4 U	15	15	1.4 U	23	1.4 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4 U	3.8 U	200 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
FLUORANTHENE	310000	230000	N	4 U	3.8 U	1800 J	31 J	4.2 U	16	15	4.3 U	26	4.1 U
FLUORENE	310000	230000	N	4 U	3.8 U	75 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
INDENO(1,2,3-CD)PYRENE	220	150	C	4 U	3.8 U	580 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
NAPHTHALENE	160000	3600	C	4 U	3.8 U	25	4.3 U	4.2 U	4 U	4.1 U	4.3 U	3.9 U	4.1 U
PHENANTHRENE	2300000	170000	N[7]	4 U	3.8 U	540 J	4.3 U	4.2 U	4 U	4.1 U	4.3 U	13	4.1 U
PYRENE	230000	170000	N	4 U	3.8 U	3500	25	4.2 U	29	32	15	41	4.1 U
TOTAL PAHS	NC	NC		0 U	0 U	13923	80	0 U	95	110	15	156	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-812	SB-812	SB-813	SB-813	SB-813	SB-813	SB-813
SAMPLE ID				G-SB-812-11	G-SB-812-15	G-SB-813-11	G-SB-813-13	G-SB-813-15	G-SB-813-15-AVG	G-SB-813-15-D
SAMPLE DATE				20100824	20100824	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	15	11	13	15	15	15
BOTTOM DEPTH				11	15	11	13	15	15	15
VOLATILES (UG/KG)										
1,1,1-TRICHLOROETHANE	16000000	870000	N	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	1600000	3300	C	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	390000	24000	N	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA
BENZENE	12000	1100	C	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	78000	16000	N	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	1600000 [4]	63000	N	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)										
PHENOL	2300000	1800000	N	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000	C	4.1 U	7.9	4 U	31	120	120	NA
2-METHYLNAPHTHALENE	31000	31000	N	4.1 U	14	4 U	25	17 U	17 U	NA
ACENAPHTHENE	470000	340000	N	4.1 U	3.7 U	4 U	53 J	210 J	210 J	NA
ACENAPHTHYLENE	470000	340000	N[5]	4.1 U	33	4 U	49	190	190	NA
ANTHRACENE	2300000	1700000	N	4.1 U	66	4 U	170 J	630 J	630 J	NA
BAP EQUIVALENT-HALFND	22	15		4.1 U	**409**	4 U	**607**	**1957**	**1957**	NA
BAP EQUIVALENT-POS	22	15	C	4.1 U	**408**	4 U	**605**	**1948**	**1948**	NA
BENZO(A)ANTHRACENE	220	150	C	4.1 U	**280**	4 U	**520**	**1700**	**1700**	NA
BENZO(A)PYRENE	22	15	C	4.1 U	**320 J**	4 U	**470 J**	**1500 J**	**1500 J**	NA
BENZO(B)FLUORANTHENE	220	150	C	4.1 U	**370 J**	4 U	**530 J**	**1900 J**	**1900 J**	NA
BENZO(B+K)FLUORANTHENE	220 [6]	150	C[6]	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4.1 U	320	4 U	370 J	1000 J	1000 J	NA
BENZO(K)FLUORANTHENE	2200	1500	C	4.1 U	130	4 U	200 J	720 J	720 J	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	1300 J	NA	NA	560 J	510	460 J
C1-FLUORANTHENES/PYRENES	NC	NC		NA	1400 J	NA	NA	620 J	565	510 J
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	740 J	NA	NA	590 J	545	500 J
C2-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	720 J	NA	NA	270 J	260	250 J
C2-NAPHTHALENES	NC	NC		NA	75 U	NA	NA	90 J	66.5	86 U
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	820 J	NA	NA	450 J	430	410 J
C3-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	240 J	NA	NA	89 J	88.5	88 J
C3-FLUORENES	NC	NC		NA	130 J	NA	NA	88 U	87 U	86 U
C3-NAPHTHALENES	NC	NC		NA	75 U	NA	NA	110 J	76.5	86 U
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	510 J	NA	NA	240 J	220	200 J
C4-CHRYSENES/BENZO(A)ANTHRACENES	NC	NC		NA	110 J	NA	NA	88 U	87 U	86 U
C4-NAPHTHALENES	NC	NC		NA	90 J	NA	NA	88 U	87 U	86 U
C4-PHENANTHRENES/ANTHRACENES	NC	NC		NA	170 J	NA	NA	88 U	87 U	86 U
CHRYSENE	22000	15000	C	1.4 U	330	1.3 U	590	1800	1800	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	4.1 U	3.7 U	4 U	4.2 U	17 U	17 U	NA
FLUORANTHENE	310000	230000	N	4.1 U	390 J	24 J	870 J	2900 J	2900 J	NA
FLUORENE	310000	230000	N	4.1 U	3.7 U	4 U	73 J	280 J	280 J	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	4.1 U	**210 J**	4 U	**270 J**	**790 J**	**790 J**	NA
NAPHTHALENE	160000	3600	C	4.1 U	19	4 U	13	17 U	17 U	NA
PHENANTHRENE	2300000	170000	N[7]	4.1 U	130	20 J	800 J	2900 J	2900 J	NA
PYRENE	230000	170000	N	4.1 U	650 J	13	1500	5200	5200	NA
TOTAL PAHS	NC	NC		0 U	3262	57	6503	21720	21720	NA
METALS (MG/KG)										
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA
IRON	5500	5500	N	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA
MANGANESE	160	180	N	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.55	NC		NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[9]	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)										
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)										
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)										
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA

Table A-24
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block G
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value is for xylenes.
5 - The value for acenaphthene is used as a surrogate for acenaphthylene.
6 - The value is for benzo(b)fluoranthene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - The value is for trivalent chromium.
9 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-200	SB-201	SB-201RE	SB-201RE	SB-202	SB-203	SB-282	SB-282	SB-282
SAMPLE ID	SB-200-SS	SB-201-SS	H-SB-201RE-1	H-SB-201RE-2	SB-202-SS	SB-203-SS	H-SB-282RE-1	H-SB-282RE-2	SB-282-0102
SAMPLE DATE	20050513	20050513	20090924	20090924	20050513	20050513	20090929	20090929	20051026
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SS	SS	SB	SB	SB
TOP DEPTH	0	0	1	2	0	0	1	2	1
BOTTOM DEPTH	1	1	1	2	1	1	1	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,1,1-TRICHLOROETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,1,2,2-TETRACHLOROETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,1,2-TRICHLOROETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,1-DICHLOROETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,1-DICHLOROETHENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,1-DICHLOROPROPENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,2,3-TRICHLOROBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,2,3-TRICHLOROPROPANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2,4-TRICHLOROBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,2,4-TRIMETHYLBENZENE	1.9 U	1.3 B	NA	NA	2 B	1.3 B	NA	NA	6 U
1,2-DIBROMO-3-CHLOROPROPANE	3.8 U	4.5 U	NA	NA	5.5 U	3.9 U	NA	NA	6 U
1,2-DIBROMOETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,2-DICHLOROBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,2-DICHLOROETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,2-DICHLOROPROPANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,3,5-TRIMETHYLBENZENE	1.92 U	2.25 U	NA	NA	2.73 U	1.95 U	NA	NA	NA
1,3-DICHLOROBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,3-DICHLOROPROPANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,3-DICHLOROPROPENE	3.84 U	4.5 U	NA	NA	5.46 U	3.91 U	NA	NA	NA
1,4-DICHLOROBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
1,4-DIOXANE	95.9 U	113 U	NA	NA	136 U	97.7 U	NA	NA	NA
2,2-DICHLOROPROPANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
2-BUTANONE	9.19	29.4	NA	NA	13.2	13	NA	NA	29 UR
2-CHLOROETHYL VINYL ETHER	1.9 UR	2.3 UR	NA	NA	2.7 UR	2 UR	NA	NA	6 U
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	6 U
2-HEXANONE	7.67 U	9 U	NA	NA	10.9 U	7.82 U	NA	NA	29 U
4-CHLOROTOLUENE	1.92 U	2.25 U	NA	NA	2.73 U	1.95 U	NA	NA	6 U
4-ISOPROPYLTOLUENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
4-METHYL-2-PENTANONE	7.7 U	9 U	NA	NA	10.9 U	7.8 U	NA	NA	29 U
ACETONE	107 J	210 J	NA	NA	138 J	157 J	NA	NA	27 B
BENZENE	1.92 U	2.25 U	NA	NA	2.73 U	1.95 U	NA	NA	6 U
BROMOBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
BROMOCHLOROMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
BROMODICHLOROMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
BROMOFORM	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
BROMOMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	11 U
CARBON DISULFIDE	1.7 J	2.3 U	NA	NA	3	2	NA	NA	3 J
CARBON TETRACHLORIDE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
CHLOROBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
CHLORODIBROMOMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
CHLOROETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	11 U
CHLOROFORM	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
CHLOROMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	11 UJ
CIS-1,2-DICHLOROETHENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
CIS-1,3-DICHLOROPROPENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
DIBROMOMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
DICHLORODIFLUOROMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	11 U
DIISOPROPYL ETHER	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
ETHYL TERT-BUTYL ETHER	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
ETHYLBENZENE	1.9 U	1.5 J	NA	NA	2.7 U	0.31 J	NA	NA	6 U
FLUORODICHLOROMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	NA
HEXACHLOROBUTADIENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
ISOPROPYLBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
M+P-XYLENES	3.8 U	4.5 U	NA	NA	5.5 U	3.9 U	NA	NA	11 U
METHYL TERT-BUTYL ETHER	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	11 U
METHYLENE CHLORIDE	3.8 U	2.9 J	NA	NA	4.9 J	3 J	NA	NA	13 B
NAPHTHALENE	35.4	0.94 B	NA	NA	2.7 U	2 B	NA	NA	6 U
N-BUTYLBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
N-PROPYLBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
O-XYLENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
SEC-BUTYLBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
STYRENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
TERT-AMYL METHYL ETHER	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
TERT-BUTYLBENZENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
TERTIARY-BUTYL ALCOHOL	5 J	7 J	NA	NA	11 U	8 U	NA	NA	11 UR
TETRACHLOROETHENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
TOLUENE	1.9 U	7.8	NA	NA	13.3	8	NA	NA	6 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	11 U
TOTAL XYLENES	5.8 U	6.8 U	NA	NA	8.2 U	5.9 U	NA	NA	17 U
TRANS-1,2-DICHLOROETHENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
TRANS-1,3-DICHLOROPROPENE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U
TRICHLOROETHENE	1.9 U	2.9	NA	NA	4.8	3.4	NA	NA	6 U
TRICHLOROFLUOROMETHANE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	11 U
VINYL ACETATE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	6 U

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-200	SB-201	SB-201RE	SB-201RE	SB-202	SB-203	SB-282	SB-282	SB-282
SAMPLE ID	SB-200-SS	SB-201-SS	H-SB-201RE-1	H-SB-201RE-2	SB-202-SS	SB-203-SS	H-SB-282RE-1	H-SB-282RE-2	SB-282-0102
SAMPLE DATE	20050513	20050513	20090924	20090924	20050513	20050513	20090929	20090929	20051026
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SS	SS	SB	SB	SB
TOP DEPTH	0	0	1	2	0	0	1	2	1
BOTTOM DEPTH	1	1	1	2	1	1	1	2	2
VINYL CHLORIDE	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA	11 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
1,2-DICHLOROBENZENE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
1,3-DICHLOROBENZENE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
1,4-DICHLOROBENZENE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
1,4-DIOXANE	373 U	440 U	NA	NA	378 U	364 U	NA	NA	380 U
2,2'-OXYBIS(1-CHLOROPROPANE)	113 U	133 U	NA	NA	114 U	110 U	NA	NA	380 U
2,4,5-TRICHLOROPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	940 U
2,4,6-TRICHLOROPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
2,4-DICHLOROPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
2,4-DIMETHYLPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
2,4-DINITROPHENOL	565 U	666 U	NA	NA	572 U	552 U	NA	NA	940 U
2,4-DINITROTOLUENE	79 U	93 U	NA	NA	80 U	77 U	NA	NA	380 U
2,6-DINITROTOLUENE	79 U	93 U	NA	NA	80 U	77 U	NA	NA	380 U
2-CHLORONAPHTHALENE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
2-CHLOROPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
2-METHYLPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
2-NITROANILINE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	940 U
2-NITROPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
3&4-METHYLPHENOL	757 U	893 U	NA	NA	767 U	739 U	NA	NA	380 U
3,3'-DICHLOROBENZIDINE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
3-NITROANILINE	384 U	453 U	NA	NA	389 U	375 U	NA	NA	940 U
4,6-DINITRO-2-METHYLPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	940 U
4-BROMOPHENYL PHENYL ETHER	113 U	133 U	NA	NA	114 U	110 U	NA	NA	380 U
4-CHLORO-3-METHYLPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
4-CHLOROANILINE	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
4-CHLOROPHENYL PHENYL ETHER	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	113 U	133 U	NA	NA	114 U	110 U	NA	NA	940 U
4-NITROPHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	940 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	757 U	893 U	NA	NA	767 U	739 U	NA	NA	940 U
BENZOIC ACID	100 J	723 J	NA	NA	767 U	67.4 J	NA	NA	940 UJ
BENZYL ALCOHOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 UJ
BIS(2-CHLOROETHOXY)METHANE	113 U	133 U	NA	NA	114 U	110 U	NA	NA	380 U
BIS(2-CHLOROETHYL)ETHER	113 U	133 U	NA	NA	114 U	110 U	NA	NA	380 UJ
BIS(2-ETHYLHEXYL)PHTHALATE	79 U	93 U	NA	NA	80 U	77 U	NA	NA	380 U
BUTYL BENZYL PHTHALATE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
DIBENZOFURAN	27 J	133 U	NA	NA	114 U	110 U	NA	NA	380 U
DIETHYL PHTHALATE	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
DIMETHYL PHTHALATE	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
DI-N-BUTYL PHTHALATE	192 U	227 U	NA	NA	195 U	31 J	NA	NA	380 U
DI-N-OCTYL PHTHALATE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
HEXACHLOROBENZENE	79 U	93 U	NA	NA	80 U	77 U	NA	NA	380 U
HEXACHLOROBUTADIENE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
HEXACHLOROCYCLOPENTADIENE	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
HEXACHLOROETHANE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
ISOPHORONE	113 U	133 U	NA	NA	114 U	110 U	NA	NA	380 U
NITROBENZENE	192 U	227 U	NA	NA	195 U	188 U	NA	NA	380 U
N-NITROSODIMETHYLAMINE	113 U	133 U	NA	NA	114 U	110 U	NA	NA	380 U
N-NITROSO-DI-N-PROPYLAMINE	113 U	133 U	NA	NA	114 U	110 U	NA	NA	380 U
N-NITROSODIPHENYLAMINE	113 U	133 U	NA	NA	114 U	110 U	NA	NA	380 U
PENTACHLOROPHENOL	950 U	1120 U	NA	NA	961 U	927 U	NA	NA	940 U
PHENOL	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
PYRIDINE	384 U	453 U	NA	NA	389 U	375 U	NA	NA	380 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	183	93.3 U	NA	NA	80.1 U	77.2 U	NA	NA	380 U
2-METHYLNAPHTHALENE	161	93 U	NA	NA	80 U	77 U	NA	NA	380 U
ACENAPHTHENE	125	93 U	NA	NA	80 U	77 U	NA	NA	380 U
ACENAPHTHYLENE	79 U	93 U	NA	NA	80 U	77 U	NA	NA	380 U
ANTHRACENE	283	93 U	NA	NA	80 U	40 J	NA	NA	380 U
BAP EQUIVALENT-HALFND	499	100	NA	NA	80 U	108	165	145	380 U
BAP EQUIVALENT-POS	499	49	NA	NA	80 U	70	165	145	380 U
BENZO(A)ANTHRACENE	372	35 J	NA	NA	80 U	60 J	120	110	380 U
BENZO(A)PYRENE	367	40 J	NA	NA	80 U	57 J	98	84	380 U
BENZO(B)FLUORANTHENE	205	46 J	NA	NA	80 U	30 J	130	100	380 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	159	93 U	NA	NA	80 U	37 J	NA	NA	380 U
BENZO(K)FLUORANTHENE	284	42 J	NA	NA	80 U	48 J	41	45	380 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-200	SB-201	SB-201RE	SB-201RE	SB-202	SB-203	SB-282	SB-282	SB-282
SAMPLE ID	SB-200-SS	SB-201-SS	H-SB-201RE-1	H-SB-201RE-2	SB-202-SS	SB-203-SS	H-SB-282RE-1	H-SB-282RE-2	SB-282-0102
SAMPLE DATE	20050513	20050513	20090924	20090924	20050513	20050513	20090929	20090929	20051026
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SS	SS	SB	SB	SB
TOP DEPTH	0	0	1	2	0	0	1	2	1
BOTTOM DEPTH	1	1	1	2	1	1	1	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	407	49 J	NA	NA	80 U	69 J	140	120	380 U
DIBENZO(A,H)ANTHRACENE	56 J	93 U	NA	NA	80 U	77 U	35	33	380 U
FLUORANTHENE	840	80 J	NA	NA	80 U	132	NA	NA	380 U
FLUORENE	159	93 U	NA	NA	80 U	28 J	NA	NA	380 U
INDENO(1,2,3-CD)PYRENE	147	93 U	NA	NA	80 U	34 J	67	63	380 U
NAPHTHALENE	239	93 U	NA	NA	80 U	77 U	NA	NA	380 U
PHENANTHRENE	1020	46 J	NA	NA	80 U	130	NA	NA	380 U
PYRENE	869	66 J	NA	NA	32 J	131	NA	NA	380 U
TOTAL PAHS	5693	404	NA	NA	32	796	631	555	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	37 U	44 U	NA	NA	38 U	36 U	NA	NA	19 U
AROCLOR-1221	37 U	44 U	NA	NA	38 U	36 U	NA	NA	19 U
AROCLOR-1232	37 U	44 U	NA	NA	38 U	36 U	NA	NA	19 U
AROCLOR-1242	37 U	44 U	NA	NA	38 U	36 U	NA	NA	19 U
AROCLOR-1248	37 U	44 U	NA	NA	38 U	36 U	NA	NA	19 U
AROCLOR-1254	37 U	44 U	NA	NA	38 U	36 U	NA	NA	19 U
AROCLOR-1260	37 U	44 U	NA	NA	38 U	36 U	NA	NA	19 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	NA	NA	0 U	0 U	NA	NA	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.9	1	NA	NA	0.6	1	NA	NA	0.4 UR
ARSENIC	0.7 U	6	NA	NA	0.7	1	NA	NA	6.1
BARIUM	25	74	NA	NA	23	38	NA	NA	29.2
BERYLLIUM	0.5	1.4	NA	NA	0.3	0.6	NA	NA	1.2
CADMIUM	0.09	0.5	NA	NA	0.2	0.06	NA	NA	0.04 U
CHROMIUM	8.8	24.8	NA	NA	7.8	12.1	NA	NA	23.9 K
COBALT	2.8	19.7	NA	NA	3.3	8.5	NA	NA	6
COPPER	6	9	NA	NA	6	5	NA	NA	7.3 K
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	7	18	NA	NA	6	6	NA	NA	7.5
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.4 L	1.14 L	0.15	0.019 U	0.06 L	0.04 L	NA	NA	0.01
MOLYBDENUM	0.6 U	0.9 B	NA	NA	0.4 B	0.5 U	NA	NA	0.6 B
NICKEL	7	11	NA	NA	7	13	NA	NA	11.6
SELENIUM	2 U	2 U	NA	NA	2	2 U	NA	NA	0.35 UL
SILVER	0.06 U	0.06 U	NA	NA	0.04 U	0.1 B	NA	NA	0.1 U
THALLIUM	1 U	1 U	NA	NA	0.8 U	0.9 U	NA	NA	0.59 U
VANADIUM	14.5	34.7	NA	NA	13.1	20.4	NA	NA	32.8 K
ZINC	20	45	NA	NA	18	35	NA	NA	38.8 K
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-200	SB-201	SB-201RE	SB-201RE	SB-202	SB-203	SB-282	SB-282	SB-282
SAMPLE ID	SB-200-SS	SB-201-SS	H-SB-201RE-1	H-SB-201RE-2	SB-202-SS	SB-203-SS	H-SB-282RE-1	H-SB-282RE-2	SB-282-0102
SAMPLE DATE	20050513	20050513	20090924	20090924	20050513	20050513	20090929	20090929	20051026
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SS	SS	SB	SB	SB
TOP DEPTH	0	0	1	2	0	0	1	2	1
BOTTOM DEPTH	1	1	1	2	1	1	1	2	2
DIESEL RANGE ORGANICS	168000	242000	NA	NA	223000	37300	NA	NA	NA
GASOLINE RANGE ORGANICS	6130 B	13300 U	NA	NA	11500 U	6480 B	NA	NA	12000
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	3300 J
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	87
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	0.4 U	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	6	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	0.219 J	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282A	SB-282B	SB-282C	SB-282D	SB-283	SB-284	SB-285	SB-286	SB-293
SAMPLE ID	H-SB-282REA-1	H-SB-282REB-1	H-SB-282REC-1	H-SB-282RED-1	SB-283-0102	SB-284-0102	SB-285-0102	SB-286-0102	SB-293-0102
SAMPLE DATE	20091110	20091110	20091110	20091110	20051027	20051027	20051027	20051027	20051028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	2	2	2	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,1-DICHLOROETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,1-DICHLOROETHENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	6 UJ	6 UJ	6 UJ	6 UJ	5 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	6 U	0.4 J	6 U	6 U	5 U
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,2-DIBROMOETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,2-DICHLOROETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,2-DICHLOROPROPANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
2-BUTANONE	NA	NA	NA	NA	29 UR	4 J	30 UR	8 J	27 UR
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
2-CHLOROTOLUENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
2-HEXANONE	NA	NA	NA	NA	29 U	28 UJ	30 U	28 U	27 U
4-CHLOROTOLUENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
4-METHYL-2-PENTANONE	NA	NA	NA	NA	29 U	28 UJ	30 U	28 U	27 U
ACETONE	NA	NA	NA	NA	59 L	69 J	39 L	75 L	27 UR
BENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
BROMOBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
BROMOCHLOROMETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
BROMODICHLOROMETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
BROMOFORM	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
BROMOMETHANE	NA	NA	NA	NA	12 U	11 UJ	12 U	11 U	11 U
CARBON DISULFIDE	NA	NA	NA	NA	2 J	6 UJ	2 J	3 J	5 U
CARBON TETRACHLORIDE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
CHLOROBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
CHLORODIBROMOMETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
CHLOROETHANE	NA	NA	NA	NA	12 U	11 UJ	12 U	11 U	11 U
CHLOROFORM	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
CHLOROMETHANE	NA	NA	NA	NA	12 U	3 J	12 U	11 UJ	11 U
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
DIBROMOMETHANE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	12 U	11 UJ	12 U	11 U	11 U
DIISOPROPYL ETHER	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
ETHYLBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
ISOPROPYLBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
M+P-XYLENES	NA	NA	NA	NA	12 U	11 UJ	12 U	11 U	11 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	12 U	11 UJ	12 U	11 U	11 U
METHYLENE CHLORIDE	NA	NA	NA	NA	6 U	4 B	3 B	8 B	16 B
NAPHTHALENE	NA	NA	NA	NA	6 U	180 J	5 J	2 J	5 U
N-BUTYLBENZENE	NA	NA	NA	NA	6 U	0.9 J	6 U	6 U	5 U
N-PROPYLBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
O-XYLENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
STYRENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
TERT-BUTYLBENZENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	12 UR	11 UR	12 UR	11 UR	11 UR
TETRACHLOROETHENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
TOLUENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	12 U	11 UJ	12 U	11 U	11 U
TOTAL XYLENES	NA	NA	NA	NA	18 U	17 UJ	18 U	17 U	16 U
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
TRICHLOROETHENE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	12 U	11 UJ	12 U	11 U	11 U
VINYL ACETATE	NA	NA	NA	NA	6 U	6 UJ	6 U	6 U	5 U

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282A	SB-282B	SB-282C	SB-282D	SB-283	SB-284	SB-285	SB-286	SB-293
SAMPLE ID	H-SB-282REA-1	H-SB-282REB-1	H-SB-282REC-1	H-SB-282RED-1	SB-283-0102	SB-284-0102	SB-285-0102	SB-286-0102	SB-293-0102
SAMPLE DATE	20091110	20091110	20091110	20091110	20051027	20051027	20051027	20051027	20051028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	2	2	2	2	2
VINYL CHLORIDE	NA	NA	NA	NA	12 U	11 UJ	12 U	11 U	11 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
1,2-DICHLOROBENZENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
1,3-DICHLOROBENZENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
1,4-DICHLOROBENZENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
1,4-DIOXANE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	960 U	930 U	990 U	920 U	890 U
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2,4-DICHLOROPHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2,4-DINITROPHENOL	NA	NA	NA	NA	960 U	930 U	990 U	920 U	890 U
2,4-DINITROTOLUENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2,6-DINITROTOLUENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2-CHLORONAPHTHALENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2-CHLOROPHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2-METHYLPHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
2-NITROANILINE	NA	NA	NA	NA	960 U	930 U	990 U	920 U	890 U
2-NITROPHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
3&4-METHYLPHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
3-NITROANILINE	NA	NA	NA	NA	960 U	930 UJ	990 U	920 U	890 U
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	960 U	930 U	990 U	920 U	890 U
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
4-CHLOROANILINE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	960 U	930 UJ	990 U	920 U	890 U
4-NITROPHENOL	NA	NA	NA	NA	960 U	930 U	990 U	920 U	890 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	960 U	930 U	990 U	920 U	890 U
BENZOIC ACID	NA	NA	NA	NA	960 U	930 UJ	990 UJ	920 UJ	890 U
BENZYL ALCOHOL	NA	NA	NA	NA	390 UR	380 UJ	400 UJ	370 UJ	360 UR
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
DIBENZOFURAN	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
DIETHYL PHTHALATE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
DIMETHYL PHTHALATE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
HEXACHLOROBENZENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 UJ
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
HEXACHLOROETHANE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
ISOPHORONE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
NITROBENZENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	390 U	380 UJ	400 U	370 U	360 U
PENTACHLOROPHENOL	NA	NA	NA	NA	960 U	930 U	990 U	920 U	890 U
PHENOL	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
PYRIDINE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	390 U	210 J	400 U	370 U	360 U
2-METHYLNAPHTHALENE	NA	NA	NA	NA	390 U	180 J	400 U	370 U	360 U
ACENAPHTHENE	NA	NA	NA	NA	130 J	110 J	400 U	370 U	360 U
ACENAPHTHYLENE	NA	NA	NA	NA	390 U	380 U	400 U	370 U	360 U
ANTHRACENE	NA	NA	NA	NA	210 J	170 J	400 U	370 U	360 U
BAP EQUIVALENT-HALFND	23981	31	68	21482	564	415	400 U	370 U	360 U
BAP EQUIVALENT-POS	23981	31	68	21468	367	206	400 U	370 U	360 U
BENZO(A)ANTHRACENE	16000	32	54	20000	350 J	200 J	400 U	370 U	360 U
BENZO(A)PYRENE	17000	23	54	17000	290 J	170 J	400 U	370 U	360 U
BENZO(B)FLUORANTHENE	19000	26	51	16000	250 J	150 J	400 U	370 U	360 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	180 J	380 U	400 U	370 U	360 U
BENZO(K)FLUORANTHENE	6500	13	25	7700	390 U	75 J	400 U	370 U	360 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282A	SB-282B	SB-282C	SB-282D	SB-283	SB-284	SB-285	SB-286	SB-293
SAMPLE ID	H-SB-282REA-1	H-SB-282REB-1	H-SB-282REC-1	H-SB-282RED-1	SB-283-0102	SB-284-0102	SB-285-0102	SB-286-0102	SB-293-0102
SAMPLE DATE	20091110	20091110	20091110	20091110	20051027	20051027	20051027	20051027	20051028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	16000	36	66	21000	420	220 J	400 U	370 U	360 U
DIBENZO(A,H)ANTHRACENE	2600	1.5 U	1.5 U	27 U	390 U	380 U	400 U	370 U	360 U
FLUORANTHENE	NA	NA	NA	NA	590	450	400 U	370 U	360 U
FLUORENE	NA	NA	NA	NA	180 J	170 J	400 U	370 U	360 U
INDENO(1,2,3-CD)PYRENE	8000	16	28	7700	170 J	380 U	400 U	370 U	360 U
NAPHTHALENE	NA	NA	NA	NA	390 U	200 J	400 U	370 U	360 U
PHENANTHRENE	NA	NA	NA	NA	1000	840	400 U	370 U	360 U
PYRENE	NA	NA	NA	NA	970	590	400 U	370 U	360 U
TOTAL PAHS	85100	146	278	89400	4740	3525	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	20 U	19 U	21 U	19 U	18 U
AROCLOR-1221	NA	NA	NA	NA	20 U	19 U	21 U	19 U	18 U
AROCLOR-1232	NA	NA	NA	NA	20 U	19 U	21 U	19 U	18 U
AROCLOR-1242	NA	NA	NA	NA	20 U	19 U	21 U	19 U	18 U
AROCLOR-1248	NA	NA	NA	NA	20 U	19 U	21 U	19 U	18 U
AROCLOR-1254	NA	NA	NA	NA	20 U	19 U	21 U	19 U	18 U
AROCLOR-1260	NA	NA	NA	NA	20 U	19 U	21 U	19 U	18 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	0.4 UL	0.38 UL	0.71 UL	0.35 UL	0.34 U
ARSENIC	NA	NA	NA	NA	2 B	1.2 B	4.8 B	2.8 B	1.7
BARIUM	NA	NA	NA	NA	39.8	16.3	19.9	38.4	20.9
BERYLLIUM	NA	NA	NA	NA	0.23	0.46	1.3	0.56	0.43
CADMIUM	NA	NA	NA	NA	0.04 U	0.04 U	0.07 U	0.03 U	0.36 U
CHROMIUM	NA	NA	NA	NA	11.2	8.9	22.4	30.7	11.7
COBALT	NA	NA	NA	NA	4.5	5.4	6.6	7.4	4.4
COPPER	NA	NA	NA	NA	8.2	5.4	13.6	4.5	5.8
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	4	3.4	5.9	7.3	5
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	0.01 U	0.02	0.01 U	0.01	0.03
MOLYBDENUM	NA	NA	NA	NA	0.3	0.2	0.38	0.54	0.34
NICKEL	NA	NA	NA	NA	6	8.1	15	5.1	9.3
SELENIUM	NA	NA	NA	NA	0.35 U	0.33 U	0.62 U	0.3 U	0.29 UL
SILVER	NA	NA	NA	NA	0.1 UL	0.1 UL	0.09 UL	0.09 UL	0.41 L
THALLIUM	NA	NA	NA	NA	0.6 U	0.57 U	1.4 B	0.52 U	0.5 U
VANADIUM	NA	NA	NA	NA	19.3	14.2	37.9	18.7	17.4
ZINC	NA	NA	NA	NA	18.6	18.2	33.4	16.3	20
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-282A	SB-282B	SB-282C	SB-282D	SB-283	SB-284	SB-285	SB-286	SB-293
SAMPLE ID	H-SB-282REA-1	H-SB-282REB-1	H-SB-282REC-1	H-SB-282RED-1	SB-283-0102	SB-284-0102	SB-285-0102	SB-286-0102	SB-293-0102
SAMPLE DATE	20091110	20091110	20091110	20091110	20051027	20051027	20051027	20051027	20051028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	2	2	2	2	2
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	3200	2800 U	2900 U	2800 U	2600 U
TPH (C09-C36)	NA	NA	NA	NA	22000	34000	6100 U	30000	12000
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	85	88	82	89	92
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-294	SB-462	SB-463	SB-464	SB-465	SB-466	SB-467	SB-468	SB-469
SAMPLE ID	SB-294-0001	SB-462-0102	SB-463-0102	SB-464-0102	SB-465-0102	SB-466-0102	SB-467-0102	SB-468-0102	SB-469-0102
SAMPLE DATE	20051028	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	28 UR	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	28 UJ	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	28 UJ	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	28 UR	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	14 B	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	11 UR	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	16 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	6 UJ	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-294	SB-462	SB-463	SB-464	SB-465	SB-466	SB-467	SB-468	SB-469
SAMPLE ID	SB-294-0001	SB-462-0102	SB-463-0102	SB-464-0102	SB-465-0102	SB-466-0102	SB-467-0102	SB-468-0102	SB-469-0102
SAMPLE DATE	20051028	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	2	2	2	2	2	2	2	2
VINYL CHLORIDE	11 UJ	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	900 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	900 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	900 U	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	900 U	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	900 U	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	360 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	360 U	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	900 U	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	900 U	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	900 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	900 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	360 U	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	900 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	360 U	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	360 U	26	69	1.4 U	1.5 U	11	1.5 U	1.5 U	15
BAP EQUIVALENT-POS	360 U	26	69	1.4 U	1.5 U	11	1.5 U	1.5 U	15
BENZO(A)ANTHRACENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	360 U	26 J	69 J	1.4 U	1.5 U	11 J	1.5 U	1.5 U	15 J
BENZO(B)FLUORANTHENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-294	SB-462	SB-463	SB-464	SB-465	SB-466	SB-467	SB-468	SB-469
SAMPLE ID	SB-294-0001	SB-462-0102	SB-463-0102	SB-464-0102	SB-465-0102	SB-466-0102	SB-467-0102	SB-468-0102	SB-469-0102
SAMPLE DATE	20051028	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	2	2	2	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	360 U	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	26	69	0 U	0 U	11	0 U	0 U	15
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	19 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	19 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	19 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	19 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	19 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	19 U	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	19 U	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.39 U	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	2	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	20.1	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	0.37 B	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	0.42 U	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	11.1	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	2.9	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	4.7	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	4.8	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.01	0.091	0.036	0.019 U	0.04	0.02 U	0.019 U	0.019 U	0.019 U
MOLYBDENUM	0.55 K	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	7.5	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	0.34 U	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	0.42 UL	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	0.59 U	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	15.7	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	15.9	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-294	SB-462	SB-463	SB-464	SB-465	SB-466	SB-467	SB-468	SB-469
SAMPLE ID	SB-294-0001	SB-462-0102	SB-463-0102	SB-464-0102	SB-465-0102	SB-466-0102	SB-467-0102	SB-468-0102	SB-469-0102
SAMPLE DATE	20051028	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	2	2	2	2	2	2	2	2
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	2700 U	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	14000	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	89.1	86.3	89.9	88.4	85	89.5	88.8	89.1
TOTAL SOLIDS	91	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-470	SB-471	SB-472	SB-473	SB-474	SB-475	SB-476	SB-477	SB-478
SAMPLE ID	SB-470-0102	SB-471-0102	SB-472-0102	SB-473-0102	SB-474-0102	SB-475-0102	SB-476-0102	SB-477-0102	SB-478-0102
SAMPLE DATE	20071023	20071023	20071023	20071024	20071024	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-470	SB-471	SB-472	SB-473	SB-474	SB-475	SB-476	SB-477	SB-478
SAMPLE ID	SB-470-0102	SB-471-0102	SB-472-0102	SB-473-0102	SB-474-0102	SB-475-0102	SB-476-0102	SB-477-0102	SB-478-0102
SAMPLE DATE	20071023	20071023	20071023	20071024	20071024	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	52	1.6 U	1.5 U	1.5 U	24	1.5 U	1.5 U	1.5 U	1.4 U
BAP EQUIVALENT-POS	52	1.6 U	1.5 U	1.5 U	24	1.5 U	1.5 U	1.5 U	1.4 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	52 J	1.6 U	1.5 U	1.5 U	24 J	1.5 U	1.5 U	1.5 U	1.4 UJ
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-470	SB-471	SB-472	SB-473	SB-474	SB-475	SB-476	SB-477	SB-478
SAMPLE ID	SB-470-0102	SB-471-0102	SB-472-0102	SB-473-0102	SB-474-0102	SB-475-0102	SB-476-0102	SB-477-0102	SB-478-0102
SAMPLE DATE	20071023	20071023	20071023	20071024	20071024	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	52	0 U	0 U	0 U	24	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.48	0.021 UL	0.019 UL	0.019 UL	0.02 U	0.019 U	0.019 U	0.019 U	0.018 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-470	SB-471	SB-472	SB-473	SB-474	SB-475	SB-476	SB-477	SB-478
SAMPLE ID	SB-470-0102	SB-471-0102	SB-472-0102	SB-473-0102	SB-474-0102	SB-475-0102	SB-476-0102	SB-477-0102	SB-478-0102
SAMPLE DATE	20071023	20071023	20071023	20071024	20071024	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	88.9	80.5	86.3	89.3	85.1	88.4	87.7	88.6	90.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-479	SB-480	SB-481	SB-482	SB-483	SB-484	SB-485	SB-486	SB-487
SAMPLE ID	SB-479-0102	SB-480-0102	SB-481-0102	SB-482-0102	SB-483-0102	SB-484-0102	SB-485-0102	SB-486-0102	SB-487-0102
SAMPLE DATE	20071025	20071025	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-479	SB-480	SB-481	SB-482	SB-483	SB-484	SB-485	SB-486	SB-487
SAMPLE ID	SB-479-0102	SB-480-0102	SB-481-0102	SB-482-0102	SB-483-0102	SB-484-0102	SB-485-0102	SB-486-0102	SB-487-0102
SAMPLE DATE	20071025	20071025	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	15	1.5 U	31	13	32	21	10	370 U	370 U
BAP EQUIVALENT-POS	15	1.5 U	31	13	32	21	10	370 U	370 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	15 J	1.5 U	31 J	13 J	32 J	21 J	10 J	370 U	370 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-479	SB-480	SB-481	SB-482	SB-483	SB-484	SB-485	SB-486	SB-487
SAMPLE ID	SB-479-0102	SB-480-0102	SB-481-0102	SB-482-0102	SB-483-0102	SB-484-0102	SB-485-0102	SB-486-0102	SB-487-0102
SAMPLE DATE	20071025	20071025	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	15	0 U	31	13	32	21	10	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.019 U	0.019 U	0.036	0.063	0.054	0.028	0.019 U	0.019 U	0.019 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-479	SB-480	SB-481	SB-482	SB-483	SB-484	SB-485	SB-486	SB-487
SAMPLE ID	SB-479-0102	SB-480-0102	SB-481-0102	SB-482-0102	SB-483-0102	SB-484-0102	SB-485-0102	SB-486-0102	SB-487-0102
SAMPLE DATE	20071025	20071025	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	88	88.9	85	78.1	86.2	82.9	88	89.4	89.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-488	SB-600	SB-600	SB-601	SB-601	SB-602	SB-602	SB-603	SB-603
SAMPLE ID	SB-488-0102	H-SB-600-1	H-SB-600-2	H-SB-601-1	H-SB-601-2	H-SB-602-1	H-SB-602-2	H-SB-603-1	H-SB-603-2
SAMPLE DATE	20071029	20090924	20090924	20090924	20090924	20090924	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-488	SB-600	SB-600	SB-601	SB-601	SB-602	SB-602	SB-603	SB-603
SAMPLE ID	SB-488-0102	H-SB-600-1	H-SB-600-2	H-SB-601-1	H-SB-601-2	H-SB-602-1	H-SB-602-2	H-SB-603-1	H-SB-603-2
SAMPLE DATE	20071029	20090924	20090924	20090924	20090924	20090924	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	9	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-POS	9	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	9 J	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-488	SB-600	SB-600	SB-601	SB-601	SB-602	SB-602	SB-603	SB-603
SAMPLE ID	SB-488-0102	H-SB-600-1	H-SB-600-2	H-SB-601-1	H-SB-601-2	H-SB-602-1	H-SB-602-2	H-SB-603-1	H-SB-603-2
SAMPLE DATE	20071029	20090924	20090924	20090924	20090924	20090924	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	9	NA	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.019 U	0.034	0.019 U	0.039	0.023	0.034	0.029	0.31	0.025
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-488	SB-600	SB-600	SB-601	SB-601	SB-602	SB-602	SB-603	SB-603
SAMPLE ID	SB-488-0102	H-SB-600-1	H-SB-600-2	H-SB-601-1	H-SB-601-2	H-SB-602-1	H-SB-602-2	H-SB-603-1	H-SB-603-2
SAMPLE DATE	20071029	20090924	20090924	20090924	20090924	20090924	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	88.9	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604A	SB-604B	SB-604D	SB-610B	SB-610C	SB-610D	SB-611A	SB-611D	SB-814
SAMPLE ID	H-SB-604A-1	H-SB-604B-1	H-SB-604D-1	H-SB-610B-1	H-SB-610C-1	H-SB-610D-1	H-SB-611A-1	H-SB-611D-1	H-SB-814-SS
SAMPLE DATE	20091109	20091110	20091110	20091109	20091109	20091109	20091109	20091109	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-604A	SB-604B	SB-604D	SB-610B	SB-610C	SB-610D	SB-611A	SB-611D	SB-814
SAMPLE ID	H-SB-604A-1	H-SB-604B-1	H-SB-604D-1	H-SB-610B-1	H-SB-610C-1	H-SB-610D-1	H-SB-611A-1	H-SB-611D-1	H-SB-814-SS
SAMPLE DATE	20091109	20091110	20091110	20091109	20091109	20091109	20091109	20091109	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
BAP EQUIVALENT-HALFND	17	163	45883	15	31	25	53	616	3.9 U
BAP EQUIVALENT-POS	16	163	45883	14	30	24	53	616	3.9 U
BENZO(A)ANTHRACENE	1.1 U	120	38000	1 U	19	11	45	320	3.9 U
BENZO(A)PYRENE	16	110	33000	14	25	20	41	440	3.9 U
BENZO(B)FLUORANTHENE	1.3 U	90	31000	1.3 U	14	11	40	390	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
BENZO(K)FLUORANTHENE	1.9 U	48	15000	1.9 U	12	8.6	17	200	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U

LOCATION	SB-604A	SB-604B	SB-604D	SB-610B	SB-610C	SB-610D	SB-611A	SB-611D	SB-814
SAMPLE ID	H-SB-604A-1	H-SB-604B-1	H-SB-604D-1	H-SB-610B-1	H-SB-610C-1	H-SB-610D-1	H-SB-611A-1	H-SB-611D-1	H-SB-814-SS
SAMPLE DATE	20091109	20091110	20091110	20091109	20091109	20091109	20091109	20091109	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	80 U
CHRYSENE	1 U	120	33000	0.99 U	20	9.7	46	360	1.3 UJ
DIBENZO(A,H)ANTHRACENE	1.4 U	26	4500	1.4 U	1.4 U	1.4 U	1.4 U	81	3.9 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
INDENO(1,2,3-CD)PYRENE	1.7 U	57	13000	1.6 U	19	17	28	220	3.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	3.9 U
TOTAL PAHS	16	571	167500	14	109	77.3	217	2011	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-604A	SB-604B	SB-604D	SB-610B	SB-610C	SB-610D	SB-611A	SB-611D	SB-814
SAMPLE ID	H-SB-604A-1	H-SB-604B-1	H-SB-604D-1	H-SB-610B-1	H-SB-610C-1	H-SB-610D-1	H-SB-611A-1	H-SB-611D-1	H-SB-814-SS
SAMPLE DATE	20091109	20091110	20091110	20091109	20091109	20091109	20091109	20091109	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-815	SB-816	SB-816	SB-816	SB-817
SAMPLE ID	H-SB-815-SS	H-SB-816-SS	H-SB-816-SS-AVG	H-SB-816-SS-D	H-SB-817-SS
SAMPLE DATE	20100826	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1
VOLATILES (UG/KG)					
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA

LOCATION	SB-815	SB-816	SB-816	SB-816	SB-817
SAMPLE ID	H-SB-815-SS	H-SB-816-SS	H-SB-816-SS-AVG	H-SB-816-SS-D	H-SB-817-SS
SAMPLE DATE	20100826	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1
VINYL CHLORIDE	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)					
1,1-BIPHENYL	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)					
1-METHYLNAPHTHALENE	3.8 U	10	10	NA	3.7 U
2-METHYLNAPHTHALENE	3.8 U	11	11	NA	3.7 U
ACENAPHTHENE	3.8 U	43 J	43 J	NA	3.7 UJ
ACENAPHTHYLENE	3.8 U	3.8 U	3.8 U	NA	3.7 U
ANTHRACENE	3.8 U	31 J	31 J	NA	3.7 UJ
BAP EQUIVALENT-HALFND	3.8 U	58	58	NA	3.7 U
BAP EQUIVALENT-POS	3.8 U	56	56	NA	3.7 U
BENZO(A)ANTHRACENE	3.8 U	29	29	NA	3.7 U
BENZO(A)PYRENE	3.8 U	45 J	45 J	NA	3.7 UJ
BENZO(B)FLUORANTHENE	3.8 U	42 J	42 J	NA	3.7 UJ
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.8 U	38 J	38 J	NA	3.7 UJ
BENZO(K)FLUORANTHENE	3.8 U	3.8 UJ	3.8 UJ	NA	3.7 UJ
C1-CHRYSENES	NA	77 U	76.5 U	76 U	NA

LOCATION	SB-815	SB-816	SB-816	SB-816	SB-817
SAMPLE ID	H-SB-815-SS	H-SB-816-SS	H-SB-816-SS-AVG	H-SB-816-SS-D	H-SB-817-SS
SAMPLE DATE	20100826	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	77 U	76.5 U	76 U	NA
C1-FLUORENES	NA	77 U	76.5 U	76 U	NA
C1-PHENANTHRENES/ANTHRACENES	NA	77 U	76.5 U	76 U	NA
C2-CHRYSENES	NA	77 U	76.5 U	76 U	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA
C2-FLUORENES	NA	77 U	76.5 U	76 U	NA
C2-NAPHTHALENES	NA	77 U	76.5 U	76 U	NA
C2-PHENANTHRENES/ANTHRACENES	NA	77 U	76.5 U	76 U	NA
C3-CHRYSENES	NA	77 U	76.5 U	76 U	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA
C3-FLUORENES	NA	77 U	76.5 U	76 U	NA
C3-NAPHTHALENES	NA	77 U	76.5 U	76 U	NA
C3-PHENANTHRENES/ANTHRACENES	NA	77 U	76.5 U	76 U	NA
C4-CHRYSENES	NA	77 U	76.5 U	76 U	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	77 U	76.5 U	76 U	NA
C4-PHENANTHRENES/ANTHRACENES	NA	77 U	76.5 U	76 U	NA
CHRYSENE	1.3 UJ	31	31	NA	1.2 U
DIBENZO(A,H)ANTHRACENE	3.8 U	3.8 UJ	3.8 UJ	NA	3.7 UJ
FLUORANTHENE	3.8 U	55 J	55 J	NA	3.7 UJ
FLUORENE	3.8 U	31 J	31 J	NA	3.7 UJ
INDENO(1,2,3-CD)PYRENE	3.8 U	35 J	35 J	NA	3.7 UJ
NAPHTHALENE	3.8 U	42	42	NA	3.7 U
PHENANTHRENE	3.8 U	42 J	42 J	NA	3.7 UJ
PYRENE	8.5	65	65	NA	9.2
TOTAL PAHS	8.5	540	540	NA	9.2
PESTICIDES/PCBS (UG/KG)					
4,4'-DDD	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA
METALS (MG/KG)					
ANTIMONY	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)					

Table A-25
Summary of Analytical Results for Surface Soils, 0-2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-815	SB-816	SB-816	SB-816	SB-817
SAMPLE ID	H-SB-815-SS	H-SB-816-SS	H-SB-816-SS-AVG	H-SB-816-SS-D	H-SB-817-SS
SAMPLE DATE	20100826	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)					
PERCENT SOLIDS	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)					
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)					
PH	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)					
MERCURY (METHYL)	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)					
ACTINIUM-228	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-26
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-200	SB-201	SB-201RE	SB-201RE	SB-202	SB-203	SB-282	SB-282
SAMPLE ID				SB-200-SS	SB-201-SS	H-SB-201RE-1	H-SB-201RE-2	SB-202-SS	SB-203-SS	H-SB-282RE-1	H-SB-282RE-2
SAMPLE DATE				20050513	20050513	20090924	20090924	20050513	20050513	20090929	20090929
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SS	SS	SB	SB	SS	SS	SB	SB
TOP DEPTH				0	0	1	2	0	0	1	2
BOTTOM DEPTH				1	1	1	2	1	1	1	2
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	9.19	29.4	NA	NA	13.2	13	NA	NA
ACETONE	7000000	6100000	N	107 J	210 J	NA	NA	138 J	157 J	NA	NA
CARBON DISULFIDE	780000	82000	N	1.7 J	2.3 U	NA	NA	3	2	NA	NA
CHLOROMETHANE	NC	12000	N	1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA
ETHYLBENZENE	780000	5400	C	1.9 U	1.5 J	NA	NA	2.7 U	0.31 J	NA	NA
METHYLENE CHLORIDE	85000	11000	C	3.8 U	2.9 J	NA	NA	4.9 J	3 J	NA	NA
NAPHTHALENE	160000	3600	C	35.4	0.94 B	NA	NA	2.7 U	2 B	NA	NA
N-BUTYLBENZENE	NC	NC		1.9 U	2.3 U	NA	NA	2.7 U	2 U	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		5 J	7 J	NA	NA	11 U	8 U	NA	NA
TOLUENE	630000	500000	N	1.9 U	7.8	NA	NA	13.3	8	NA	NA
TRICHLOROETHENE	1600	2800	C	1.9 U	2.9	NA	NA	4.8	3.4	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	100 J	723 J	NA	NA	767 U	67.4 J	NA	NA
DIBENZOFURAN	7800	7800	N	27 J	133 U	NA	NA	114 U	110 U	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	192 U	227 U	NA	NA	195 U	31 J	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	183	93.3 U	NA	NA	80.1 U	77.2 U	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	161	93 U	NA	NA	80 U	77 U	NA	NA
ACENAPHTHENE	470000	340000	N	125	93 U	NA	NA	80 U	77 U	NA	NA
ANTHRACENE	2300000	1700000	N	283	93 U	NA	NA	80 U	40 J	NA	NA
BAP EQUIVALENT-HALFND	22	15		**499**	**100**	NA	NA	80 U	**108**	**165**	**145**
BAP EQUIVALENT-POS	22	15	C	**499**	**49**	NA	NA	80 U	**70**	**165**	**145**
BENZO(A)ANTHRACENE	220	150	C	**372**	35 J	NA	NA	80 U	60 J	120	110
BENZO(A)PYRENE	22	15	C	**367**	**40 J**	NA	NA	80 U	**57 J**	**98**	**84**
BENZO(B)FLUORANTHENE	220	150	C	**205**	46 J	NA	NA	80 U	30 J	130	100
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	159	93 U	NA	NA	80 U	37 J	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	284	42 J	NA	NA	80 U	48 J	41	45
CHRYSENE	22000	15000	C	407	49 J	NA	NA	80 U	69 J	140	120
DIBENZO(A,H)ANTHRACENE	22	15	C	**56 J**	93 U	NA	NA	80 U	77 U	**35**	**33**
FLUORANTHENE	310000	230000	N	840	80 J	NA	NA	80 U	132	NA	NA
FLUORENE	310000	230000	N	159	93 U	NA	NA	80 U	28 J	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	147	93 U	NA	NA	80 U	34 J	67	63
NAPHTHALENE	160000	3600	C	239	93 U	NA	NA	80 U	77 U	NA	NA
PHENANTHRENE	2300000	170000	N[4]	1020	46 J	NA	NA	80 U	130	NA	NA
PYRENE	230000	170000	N	869	66 J	NA	NA	32 J	131	NA	NA
TOTAL PAHS	NC	NC		5693	404	NA	NA	32	796	631	555
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	0.9	1	NA	NA	0.6	1	NA	NA
ARSENIC	0.43	0.39	C	0.7 U	**6**	NA	NA	**0.7**	**1**	NA	NA
BARIUM	1600	1500	N	25	74	NA	NA	23	38	NA	NA
BERYLLIUM	16	16	N	0.5	1.4	NA	NA	0.3	0.6	NA	NA
CADMIUM	3.9	7	N	0.09	0.5	NA	NA	0.2	0.06	NA	NA
CHROMIUM	12000 [5]	12000	N[5]	8.8	24.8	NA	NA	7.8	12.1	NA	NA
COBALT	NC	2.3	N	**2.8**	**19.7**	NA	NA	**3.3**	**8.5**	NA	NA
COPPER	310	310	N	6	9	NA	NA	6	5	NA	NA
LEAD	400	400		7	18	NA	NA	6	6	NA	NA
MERCURY	2.3 [6]	2.3	N[7]	0.4 L	1.14 L	0.15	0.019 U	0.06 L	0.04 L	NA	NA
MOLYBDENUM	NC	39	N	0.6 U	0.9 B	NA	NA	0.4 B	0.5 U	NA	NA
NICKEL	160	150	N	7	11	NA	NA	7	13	NA	NA
SELENIUM	39	39	N	2 U	2 U	NA	NA	2	2 U	NA	NA
SILVER	39	39	N	0.06 U	0.06 U	NA	NA	0.04 U	0.1 B	NA	NA
VANADIUM	7.8	39	N[8]	**14.5**	**34.7**	NA	NA	**13.1**	**20.4**	NA	NA
ZINC	2300	2300	N	20	45	NA	NA	18	35	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		168000	**242000**	NA	NA	223000	37300	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		6130 B	13300 U	NA	NA	11500 U	6480 B	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		6	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780	N	NA	0.219 J	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282	SB-282A	SB-282B	SB-282C	SB-282D	SB-283	SB-284	SB-285
SAMPLE ID				SB-282-0102	H-SB-282REA-1	H-SB-282REB-1	H-SB-282REC-1	H-SB-282RED-1	SB-283-0102	SB-284-0102	SB-285-0102
SAMPLE DATE				20051026	20091110	20091110	20091110	20091110	20051027	20051027	20051027
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1
BOTTOM DEPTH				2	1	1	1	1	2	2	2
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		6 U	NA	NA	NA	NA	6 U	0.4 J	6 U
2-BUTANONE	4700000	2800000	N	29 UR	NA	NA	NA	NA	29 UR	4 J	30 UR
ACETONE	7000000	6100000	N	27 B	NA	NA	NA	NA	59 L	69 J	39 L
CARBON DISULFIDE	780000	82000	N	3 J	NA	NA	NA	NA	2 J	6 UJ	2 J
CHLOROMETHANE	NC	12000	N	11 UJ	NA	NA	NA	NA	12 U	3 J	12 U
ETHYLBENZENE	780000	5400	C	6 U	NA	NA	NA	NA	6 U	6 UJ	6 U
METHYLENE CHLORIDE	85000	11000	C	13 B	NA	NA	NA	NA	6 U	4 B	3 B
NAPHTHALENE	160000	3600	C	6 U	NA	NA	NA	NA	6 U	180 J	5 J
N-BUTYLBENZENE	NC	NC		6 U	NA	NA	NA	NA	6 U	0.9 J	6 U
TERTIARY-BUTYL ALCOHOL	NC	NC		11 UR	NA	NA	NA	NA	12 UR	11 UR	12 UR
TOLUENE	630000	500000	N	6 U	NA	NA	NA	NA	6 U	6 UJ	6 U
TRICHLOROETHENE	1600	2800	C	6 U	NA	NA	NA	NA	6 U	6 UJ	6 U
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	940 UJ	NA	NA	NA	NA	960 U	930 UJ	990 UJ
DIBENZOFURAN	7800	7800	N	380 U	NA	NA	NA	NA	390 U	380 U	400 U
DI-N-BUTYL PHTHALATE	780000	610000	N	380 U	NA	NA	NA	NA	390 U	380 U	400 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	380 U	NA	NA	NA	NA	390 U	210 J	400 U
2-METHYLNAPHTHALENE	31000	31000	N	380 U	NA	NA	NA	NA	390 U	180 J	400 U
ACENAPHTHENE	470000	340000	N	380 U	NA	NA	NA	NA	130 J	110 J	400 U
ANTHRACENE	2300000	1700000	N	380 U	NA	NA	NA	NA	210 J	170 J	400 U
BAP EQUIVALENT-HALFND	22	15		380 U	**23981**	**31**	**68**	**21482**	**564**	**415**	400 U
BAP EQUIVALENT-POS	22	15	C	380 U	**23981**	**31**	**68**	**21468**	**367**	**206**	400 U
BENZO(A)ANTHRACENE	220	150	C	380 U	**16000**	32	54	**20000**	**350 J**	**200 J**	400 U
BENZO(A)PYRENE	22	15	C	380 U	**17000**	**23**	**54**	**17000**	**290 J**	**170 J**	400 U
BENZO(B)FLUORANTHENE	220	150	C	380 U	**19000**	26	51	**16000**	**250 J**	150 J	400 U
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	380 U	NA	NA	NA	NA	180 J	380 U	400 U
BENZO(K)FLUORANTHENE	2200	1500	C	380 U	**6500**	13	25	**7700**	390 U	75 J	400 U
CHRYSENE	22000	15000	C	380 U	**16000**	36	66	**21000**	420	220 J	400 U
DIBENZO(A,H)ANTHRACENE	22	15	C	380 U	**2600**	1.5 U	1.5 U	27 U	390 U	380 U	400 U
FLUORANTHENE	310000	230000	N	380 U	NA	NA	NA	NA	590	450	400 U
FLUORENE	310000	230000	N	380 U	NA	NA	NA	NA	180 J	170 J	400 U
INDENO(1,2,3-CD)PYRENE	220	150	C	380 U	**8000**	16	28	**7700**	**170 J**	380 U	400 U
NAPHTHALENE	160000	3600	C	380 U	NA	NA	NA	NA	390 U	200 J	400 U
PHENANTHRENE	2300000	170000	N[4]	380 U	NA	NA	NA	NA	1000	840	400 U
PYRENE	230000	170000	N	380 U	NA	NA	NA	NA	970	590	400 U
TOTAL PAHS	NC	NC		0 U	85100	146	278	89400	4740	3525	0 U
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	0.4 UR	NA	NA	NA	NA	0.4 UL	0.38 UL	0.71 UL
ARSENIC	0.43	0.39	C	**6.1**	NA	NA	NA	NA	2 B	1.2 B	4.8 B
BARIUM	1600	1500	N	29.2	NA	NA	NA	NA	39.8	16.3	19.9
BERYLLIUM	16	16	N	1.2	NA	NA	NA	NA	0.23	0.46	1.3
CADMIUM	3.9	7	N	0.04 U	NA	NA	NA	NA	0.04 U	0.04 U	0.07 U
CHROMIUM	12000 [5]	12000	N[5]	23.9 K	NA	NA	NA	NA	11.2	8.9	22.4
COBALT	NC	2.3	N	**6**	NA	NA	NA	NA	**4.5**	**5.4**	**6.6**
COPPER	310	310	N	7.3 K	NA	NA	NA	NA	8.2	5.4	13.6
LEAD	400	400		7.5	NA	NA	NA	NA	4	3.4	5.9
MERCURY	2.3 [6]	2.3	N[7]	0.01	NA	NA	NA	NA	0.01 U	0.02	0.01 U
MOLYBDENUM	NC	39	N	0.6 B	NA	NA	NA	NA	0.3	0.2	0.38
NICKEL	160	150	N	11.6	NA	NA	NA	NA	6	8.1	15
SELENIUM	39	39	N	0.35 UL	NA	NA	NA	NA	0.35 U	0.33 U	0.62 U
SILVER	39	39	N	0.1 U	NA	NA	NA	NA	0.1 UL	0.1 UL	0.09 UL
VANADIUM	7.8	39	N[8]	**32.8 K**	NA	NA	NA	NA	**19.3**	**14.2**	**37.9**
ZINC	2300	2300	N	38.8 K	NA	NA	NA	NA	18.6	18.2	33.4
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		12000	NA	NA	NA	NA	3200	2800 U	2900 U
TPH (C09-C36)	NC	NC		3300 J	NA	NA	NA	NA	22000	34000	6100 U
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		87	NA	NA	NA	NA	85	88	82
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-286	SB-293	SB-294	SB-462	SB-463	SB-464	SB-465	SB-466
SAMPLE ID				SB-286-0102	SB-293-0102	SB-294-0001	SB-462-0102	SB-463-0102	SB-464-0102	SB-465-0102	SB-466-0102
SAMPLE DATE				20051027	20051028	20051028	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SS	SB	SB	SB	SB	SB
TOP DEPTH				1	1	0	1	1	1	1	1
BOTTOM DEPTH				2	2	1	2	2	2	2	2
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		6 U	5 U	6 UJ	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	8 J	27 UR	28 UR	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	75 L	27 UR	28 UR	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	3 J	5 U	6 UJ	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	11 UJ	11 U	11 UJ	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 U	5 U	6 UJ	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	8 B	16 B	14 B	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	2 J	5 U	6 UJ	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		6 U	5 U	6 UJ	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		11 UR	11 UR	11 UR	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 U	5 U	6 UJ	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	6 U	5 U	6 UJ	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	920 UJ	890 U	900 U	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	370 U	360 U	360 U	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	370 U	360 U	360 U	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	370 U	360 U	360 U	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	370 U	360 U	360 U	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	370 U	360 U	360 U	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	370 U	360 U	360 U	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		370 U	360 U	360 U	26	69	1.4 U	1.5 U	11
BAP EQUIVALENT-POS	22	15	C	370 U	360 U	360 U	26	69	1.4 U	1.5 U	11
BENZO(A)ANTHRACENE	220	150	C	370 U	360 U	360 U	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	370 U	360 U	360 U	26 J	69 J	1.4 U	1.5 U	11 J
BENZO(B)FLUORANTHENE	220	150	C	370 U	360 U	360 U	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	370 U	360 U	360 U	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	370 U	360 U	360 U	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	370 U	360 U	360 U	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	370 U	360 U	360 U	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	370 U	360 U	360 U	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	370 U	360 U	360 U	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	370 U	360 U	360 U	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	370 U	360 U	360 U	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[4]	370 U	360 U	360 U	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	370 U	360 U	360 U	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	26	69	0 U	0 U	11
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	0.35 UL	0.34 U	0.39 U	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	2.8 B	1.7	2	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	38.4	20.9	20.1	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	0.56	0.43	0.37 B	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	0.03 U	0.36 U	0.42 U	NA	NA	NA	NA	NA
CHROMIUM	12000 [5]	12000	N[5]	30.7	11.7	11.1	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	7.4	4.4	2.9	NA	NA	NA	NA	NA
COPPER	310	310	N	4.5	5.8	4.7	NA	NA	NA	NA	NA
LEAD	400	400		7.3	5	4.8	NA	NA	NA	NA	NA
MERCURY	2.3 [6]	2.3	N[7]	0.01	0.03	0.01	0.091	0.036	0.019 U	0.04	0.02 U
MOLYBDENUM	NC	39	N	0.54	0.34	0.55 K	NA	NA	NA	NA	NA
NICKEL	160	150	N	5.1	9.3	7.5	NA	NA	NA	NA	NA
SELENIUM	39	39	N	0.3 U	0.29 UL	0.34 U	NA	NA	NA	NA	NA
SILVER	39	39	N	0.09 UL	0.41 L	0.42 UL	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[8]	18.7	17.4	15.7	NA	NA	NA	NA	NA
ZINC	2300	2300	N	16.3	20	15.9	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		2800 U	2600 U	2700 U	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		30000	12000	14000	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	89.1	86.3	89.9	88.4	85
TOTAL SOLIDS	NC	NC		89	92	91	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-467	SB-468	SB-469	SB-470	SB-471	SB-472	SB-473	SB-474
SAMPLE ID				SB-467-0102	SB-468-0102	SB-469-0102	SB-470-0102	SB-471-0102	SB-472-0102	SB-473-0102	SB-474-0102
SAMPLE DATE				20071023	20071023	20071023	20071023	20071023	20071023	20071024	20071024
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1
BOTTOM DEPTH				2	2	2	2	2	2	2	2
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	15	52	1.6 U	1.5 U	1.5 U	24
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	15	52	1.6 U	1.5 U	1.5 U	24
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	15 J	52 J	1.6 U	1.5 U	1.5 U	24 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	15	52	0 U	0 U	0 U	24
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [5]	12000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [6]	2.3	N[7]	0.019 U	0.019 U	0.019 U	0.48	0.021 UL	0.019 UL	0.019 UL	0.02 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[8]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		89.5	88.8	89.1	88.9	80.5	86.3	89.3	85.1
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-475	SB-476	SB-477	SB-478	SB-479	SB-480	SB-481	SB-482
SAMPLE ID				SB-475-0102	SB-476-0102	SB-477-0102	SB-478-0102	SB-479-0102	SB-480-0102	SB-481-0102	SB-482-0102
SAMPLE DATE				20071025	20071025	20071025	20071025	20071025	20071025	20071029	20071029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	1
BOTTOM DEPTH				2	2	2	2	2	2	2	2
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.4 U	15	1.5 U	31	13
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.4 U	15	1.5 U	31	13
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.4 UJ	15 J	1.5 U	31 J	13 J
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	15	0 U	31	13
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [5]	12000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [6]	2.3	N[7]	0.019 U	0.019 U	0.019 U	0.018 U	0.019 U	0.019 U	0.036	0.063
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[8]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		88.4	87.7	88.6	90.3	88	88.9	85	78.1
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA

Table A-26
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-483	SB-484	SB-485	SB-486	SB-487	SB-488	SB-600	SB-600
SAMPLE ID				SB-483-0102	SB-484-0102	SB-485-0102	SB-486-0102	SB-487-0102	SB-488-0102	H-SB-600-1	H-SB-600-2
SAMPLE DATE				20071029	20071029	20071029	20071029	20071029	20071029	20090924	20090924
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	1	1	1	1	1	1	2
BOTTOM DEPTH				2	2	2	2	2	2	1	2
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		32	21	10	370 U	370 U	9	NA	NA
BAP EQUIVALENT-POS	22	15	C	32	21	10	370 U	370 U	9	NA	NA
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	32 J	21 J	10 J	370 U	370 U	9 J	NA	NA
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		32	21	10	0 U	0 U	9	NA	NA
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [5]	12000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [6]	2.3	N[7]	0.054	0.028	0.019 U	0.019 U	0.019 U	0.019 U	0.034	0.019 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[8]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		86.2	82.9	88	89.4	89.6	88.9	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-601	SB-601	SB-602	SB-602	SB-603	SB-603	SB-604A	SB-604B
SAMPLE ID				H-SB-601-1	H-SB-601-2	H-SB-602-1	H-SB-602-2	H-SB-603-1	H-SB-603-2	H-SB-604A-1	H-SB-604B-1
SAMPLE DATE				20090924	20090924	20090924	20090924	20090924	20090924	20091109	20091110
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				1	2	1	2	1	2	1	1
BOTTOM DEPTH				1	2	1	2	1	2	1	1
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		NA	NA	NA	NA	NA	NA	**17**	**163**
BAP EQUIVALENT-POS	22	15	C	NA	NA	NA	NA	NA	NA	**16**	**163**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	1.1 U	120
BENZO(A)PYRENE	22	15	C	NA	NA	NA	NA	NA	NA	**16**	**110**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	1.3 U	90
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	1.9 U	48
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	1 U	120
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	1.4 U	**26**
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	1.7 U	57
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		NA	NA	NA	NA	NA	NA	16	571
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [5]	12000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [6]	2.3	N[7]	0.039	0.023	0.034	0.029	0.31	0.025	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[8]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA

Table A-26
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-604D	SB-610B	SB-610C	SB-610D	SB-611A	SB-611D	SB-814	SB-815
SAMPLE ID				H-SB-604D-1	H-SB-610B-1	H-SB-610C-1	H-SB-610D-1	H-SB-611A-1	H-SB-611D-1	H-SB-814-SS	H-SB-815-SS
SAMPLE DATE				20091110	20091109	20091109	20091109	20091109	20091109	20100826	20100826
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SS	SS
TOP DEPTH				1	1	1	1	1	1	1	1
BOTTOM DEPTH				1	1	1	1	1	1	1	1
VOLATILES (UG/KG)											
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)											
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
BAP EQUIVALENT-HALFND	22	15		**45883**	15	**31**	**25**	**53**	**616**	3.9 U	3.8 U
BAP EQUIVALENT-POS	22	15	C	**45883**	14	**30**	**24**	**53**	**616**	3.9 U	3.8 U
BENZO(A)ANTHRACENE	220	150	C	**38000**	1 U	19	11	45	**320**	3.9 U	3.8 U
BENZO(A)PYRENE	22	15	C	**33000**	14	**25**	**20**	**41**	**440**	3.9 U	3.8 U
BENZO(B)FLUORANTHENE	220	150	C	**31000**	1.3 U	14	11	40	**390**	3.9 U	3.8 U
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
BENZO(K)FLUORANTHENE	2200	1500	C	**15000**	1.9 U	12	8.6	17	200	3.9 U	3.8 U
CHRYSENE	22000	15000	C	**33000**	0.99 U	20	9.7	46	360	1.3 UJ	1.3 UJ
DIBENZO(A,H)ANTHRACENE	22	15	C	**4500**	1.4 U	1.4 U	1.4 U	1.4 U	**81**	3.9 U	3.8 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
INDENO(1,2,3-CD)PYRENE	220	150	C	**13000**	1.6 U	19	17	28	**220**	3.9 U	3.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
PHENANTHRENE	2300000	170000	N[4]	NA	NA	NA	NA	NA	NA	3.9 U	3.8 U
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	3.9 U	8.5
TOTAL PAHS	NC	NC		167500	14	109	77.3	217	2011	0 U	8.5
METALS (MG/KG)											
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [5]	12000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [6]	2.3	N[7]	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[8]	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)											
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)											
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)											
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)											
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE SUBMATRIX TOP DEPTH BOTTOM DEPTH	**MDE Cleanup Standards** [1][3]	**USEPA Regional Screening Levels (RSLs)** [2][3]		**SB-816 H-SB-816-SS 20100827 ORIG SO NORMAL SS 1 1**	**SB-816 H-SB-816-SS-AVG 20100827 AVG SO NORMAL SS 1 1**	**SB-816 H-SB-816-SS-D 20100827 DUP SO NORMAL SS 1 1**	**SB-817 H-SB-817-SS 20100827 NORMAL SO NORMAL SS 1 1**
VOLATILES (UG/KG)							
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA
CHLOROMETHANE	NC	12000	N	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA
N-BUTYLBENZENE	NC	NC		NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)							
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)							
1-METHYLNAPHTHALENE	NC	22000	C	10	10	NA	3.7 U
2-METHYLNAPHTHALENE	31000	31000	N	11	11	NA	3.7 U
ACENAPHTHENE	470000	340000	N	43 J	43 J	NA	3.7 UJ
ANTHRACENE	2300000	1700000	N	31 J	31 J	NA	3.7 UJ
BAP EQUIVALENT-HALFND	22	15		**58**	**58**	NA	3.7 U
BAP EQUIVALENT-POS	22	15	C	**56**	**56**	NA	3.7 U
BENZO(A)ANTHRACENE	220	150	C	29	29	NA	3.7 U
BENZO(A)PYRENE	22	15	C	**45 J**	**45 J**	NA	3.7 UJ
BENZO(B)FLUORANTHENE	220	150	C	42 J	42 J	NA	3.7 UJ
BENZO(G,H,I)PERYLENE	230000	170000	N[4]	38 J	38 J	NA	3.7 UJ
BENZO(K)FLUORANTHENE	2200	1500	C	3.8 UJ	3.8 UJ	NA	3.7 UJ
CHRYSENE	22000	15000	C	31	31	NA	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.8 UJ	3.8 UJ	NA	3.7 UJ
FLUORANTHENE	310000	230000	N	55 J	55 J	NA	3.7 UJ
FLUORENE	310000	230000	N	31 J	31 J	NA	3.7 UJ
INDENO(1,2,3-CD)PYRENE	220	150	C	35 J	35 J	NA	3.7 UJ
NAPHTHALENE	160000	3600	C	42	42	NA	3.7 U
PHENANTHRENE	2300000	170000	N[4]	42 J	42 J	NA	3.7 UJ
PYRENE	230000	170000	N	65	65	NA	9.2
TOTAL PAHS	NC	NC		540	540	NA	9.2
METALS (MG/KG)							
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA
CHROMIUM	12000 [5]	12000	N[5]	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA
MERCURY	2.3 [6]	2.3	N[7]	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA
VANADIUM	7.8	39	N[8]	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)							
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)							
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)							
PH	NC	NC		NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)							
MERCURY (METHYL)	780	780	N	NA	NA	NA	NA

Table A-26
Detected Concentrations Table for Surface Soil, 0 - 2 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
5 - The value is for trivalent chromium.
6 - The value is for mercury (inorganic/mercuric dichloride).
7 - The value is for mercuric chloride.
8 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-282RE-10	H-SB-282RE-3	H-SB-282RE-4	H-SB-282RE-5	H-SB-282RE-6	H-SB-282RE-7	H-SB-282RE-7-AVG	H-SB-282RE-7-D	H-SB-282RE-8
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-282RE-10	H-SB-282RE-3	H-SB-282RE-4	H-SB-282RE-5	H-SB-282RE-6	H-SB-282RE-7	H-SB-282RE-7-AVG	H-SB-282RE-7-D	H-SB-282RE-8
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-282RE-10	H-SB-282RE-3	H-SB-282RE-4	H-SB-282RE-5	H-SB-282RE-6	H-SB-282RE-7	H-SB-282RE-7-AVG	H-SB-282RE-7-D	H-SB-282RE-8
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1080	149	182	1063	539	180	105	30	71
BAP EQUIVALENT-POS	1080	149	182	1063	539	180	105	30	71
BENZO(A)ANTHRACENE	810	110	140	910	470	160 J	95.5	31 J	58
BENZO(A)PYRENE	700	88	110	670	330	100 J	60.5	21 J	38
BENZO(B)FLUORANTHENE	920	110	120	840	470	160 J	94	28 J	62
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	300	41	68	270	150	60 J	35.5	11 J	12
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	960	110	160	1000	520	170 J	102.5	35 J	70
DIBENZO(A,H)ANTHRACENE	160	32	37	170	91	39 J	19.875	1.5 UJ	18
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	430	64	82	440	220	84 J	54.5	25 J	31
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	4280	555	717	4300	2251	773	462	151	289
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-282RE-10	H-SB-282RE-3	H-SB-282RE-4	H-SB-282RE-5	H-SB-282RE-6	H-SB-282RE-7	H-SB-282RE-7-AVG	H-SB-282RE-7-D	H-SB-282RE-8
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-282RE-10	H-SB-282RE-3	H-SB-282RE-4	H-SB-282RE-5	H-SB-282RE-6	H-SB-282RE-7	H-SB-282RE-7-AVG	H-SB-282RE-7-D	H-SB-282RE-8
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B
SAMPLE ID	H-SB-282RE-9	H-SB-282REA-3	H-SB-282REA-5	H-SB-282REA-7	H-SB-282REA-9	H-SB-282REA-9-AVG	H-SB-282REA-9-D	H-SB-282REB-3	H-SB-282REB-5
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	9	9	3	5
BOTTOM DEPTH	9	3	5	7	9	9	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B
SAMPLE ID	H-SB-282RE-9	H-SB-282REA-3	H-SB-282REA-5	H-SB-282REA-7	H-SB-282REA-9	H-SB-282REA-9-AVG	H-SB-282REA-9-D	H-SB-282REB-3	H-SB-282REB-5
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	9	9	3	5
BOTTOM DEPTH	9	3	5	7	9	9	9	3	5
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B
SAMPLE ID	H-SB-282RE-9	H-SB-282REA-3	H-SB-282REA-5	H-SB-282REA-7	H-SB-282REA-9	H-SB-282REA-9-AVG	H-SB-282REA-9-D	H-SB-282REB-3	H-SB-282REB-5
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	9	9	3	5
BOTTOM DEPTH	9	3	5	7	9	9	9	3	5
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	3534	1.5 U	24	1.5 U	1.5 U	1.5 U	1.5 U	3.5	1.6 U
BAP EQUIVALENT-POS	3534	1.5 U	24	1.5 U	1.5 U	1.5 U	1.5 U	1.9	1.6 U
BENZO(A)ANTHRACENE	3300	1.1 U	15	1.1 U	1.1 U	1.1 U	1.1 U	11	1.2 U
BENZO(A)PYRENE	2300	1.5 U	18	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	3200	1.4 U	18	1.4 U	1.4 U	1.35 U	1.3 U	7.9	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	980	2 U	2 U	2 U	1.9 U	1.9 U	1.9 U	2 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	3900	1 U	13	1.1 U	1 U	1 U	1 U	10	1.1 U
DIBENZO(A,H)ANTHRACENE	430	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1400	1.7 U	24	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	15510	0 U	88	0 U	0 U	0 U	0 U	28.9	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
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Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B
SAMPLE ID	H-SB-282RE-9	H-SB-282REA-3	H-SB-282REA-5	H-SB-282REA-7	H-SB-282REA-9	H-SB-282REA-9-AVG	H-SB-282REA-9-D	H-SB-282REB-3	H-SB-282REB-5
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	9	9	3	5
BOTTOM DEPTH	9	3	5	7	9	9	9	3	5
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B
SAMPLE ID	H-SB-282RE-9	H-SB-282REA-3	H-SB-282REA-5	H-SB-282REA-7	H-SB-282REA-9	H-SB-282REA-9-AVG	H-SB-282REA-9-D	H-SB-282REB-3	H-SB-282REB-5
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	9	9	3	5
BOTTOM DEPTH	9	3	5	7	9	9	9	3	5
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282B	SB-282B	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282D
SAMPLE ID	H-SB-282REB-7	H-SB-282REB-9	H-SB-282REC-3	H-SB-282REC-5	H-SB-282REC-7	H-SB-282REC-9	H-SB-282REC-9-AVG	H-SB-282REC-9-D	H-SB-282RED-3
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	9	9	3
BOTTOM DEPTH	7	9	3	5	7	9	9	9	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282B	SB-282B	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282D
SAMPLE ID	H-SB-282REB-7	H-SB-282REB-9	H-SB-282REC-3	H-SB-282REC-5	H-SB-282REC-7	H-SB-282REC-9	H-SB-282REC-9-AVG	H-SB-282REC-9-D	H-SB-282RED-3
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	9	9	3
BOTTOM DEPTH	7	9	3	5	7	9	9	9	3
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282B	SB-282B	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282D
SAMPLE ID	H-SB-282REB-7	H-SB-282REB-9	H-SB-282REC-3	H-SB-282REC-5	H-SB-282REC-7	H-SB-282REC-9	H-SB-282REC-9-AVG	H-SB-282REC-9-D	H-SB-282RED-3
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	9	9	3
BOTTOM DEPTH	7	9	3	5	7	9	9	9	3
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1658	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1657	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	2000	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	1.5 U	1200	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1700	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	740	2 U	1.9 U	2 U	1.9 U	1.95 U	2 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	2300	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	3.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	770	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	8710	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282B	SB-282B	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282D
SAMPLE ID	H-SB-282REB-7	H-SB-282REB-9	H-SB-282REC-3	H-SB-282REC-5	H-SB-282REC-7	H-SB-282REC-9	H-SB-282REC-9-AVG	H-SB-282REC-9-D	H-SB-282RED-3
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	9	9	3
BOTTOM DEPTH	7	9	3	5	7	9	9	9	3
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282B	SB-282B	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282D
SAMPLE ID	H-SB-282REB-7	H-SB-282REB-9	H-SB-282REC-3	H-SB-282REC-5	H-SB-282REC-7	H-SB-282REC-9	H-SB-282REC-9-AVG	H-SB-282REC-9-D	H-SB-282RED-3
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	9	9	3
BOTTOM DEPTH	7	9	3	5	7	9	9	9	3
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282D	SB-282D	SB-282D	SB-283	SB-283	SB-284	SB-284	SB-474	SB-474
SAMPLE ID	H-SB-282RED-5	H-SB-282RED-7	H-SB-282RED-9	H-SB-283RE-3	H-SB-283RE-4	H-SB-284RE-3	H-SB-284RE-4	H-SB-474RE-5	H-SB-474RE-6
SAMPLE DATE	20091110	20091110	20091110	20090924	20090924	20090925	20090925	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	4	3	4	5	6
BOTTOM DEPTH	5	7	9	3	4	3	4	5	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282D	SB-282D	SB-282D	SB-283	SB-283	SB-284	SB-284	SB-474	SB-474
SAMPLE ID	H-SB-282RED-5	H-SB-282RED-7	H-SB-282RED-9	H-SB-283RE-3	H-SB-283RE-4	H-SB-284RE-3	H-SB-284RE-4	H-SB-474RE-5	H-SB-474RE-6
SAMPLE DATE	20091110	20091110	20091110	20090924	20090924	20090925	20090925	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	4	3	4	5	6
BOTTOM DEPTH	5	7	9	3	4	3	4	5	6
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282D	SB-282D	SB-282D	SB-283	SB-283	SB-284	SB-284	SB-474	SB-474
SAMPLE ID	H-SB-282RED-5	H-SB-282RED-7	H-SB-282RED-9	H-SB-283RE-3	H-SB-283RE-4	H-SB-284RE-3	H-SB-284RE-4	H-SB-474RE-5	H-SB-474RE-6
SAMPLE DATE	20091110	20091110	20091110	20090924	20090924	20090925	20090925	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	4	3	4	5	6
BOTTOM DEPTH	5	7	9	3	4	3	4	5	6
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	307	1.5 U	1.5 U	1.6 U	13	16	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.6 U	307	1.5 U	1.5 U	1.6 U	12	15	1.5 U
BENZO(A)ANTHRACENE	1.1 U	1.2 U	220	1.1 U	1.1 U	1.2 U	12	13	1.1 U
BENZO(A)PYRENE	1.5 U	1.6 U	210	1.5 U	1.5 U	1.6 U	10	11	1.5 U
BENZO(B)FLUORANTHENE	1.4 U	1.5 U	210	1.4 U	1.4 U	1.5 U	11	8.6	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	2.1 U	90	1.9 U	2 U	2.1 U	2.1 U	7.8	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1.1 U	230	1 U	1.1 U	1.1 U	12	11	1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	42	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.9 U	110	1.7 U	1.8 U	1.9 U	1.8 U	18	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	1112	0 U	0 U	0 U	45	69.4	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282D	SB-282D	SB-282D	SB-283	SB-283	SB-284	SB-284	SB-474	SB-474
SAMPLE ID	H-SB-282RED-5	H-SB-282RED-7	H-SB-282RED-9	H-SB-283RE-3	H-SB-283RE-4	H-SB-284RE-3	H-SB-284RE-4	H-SB-474RE-5	H-SB-474RE-6
SAMPLE DATE	20091110	20091110	20091110	20090924	20090924	20090925	20090925	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	4	3	4	5	6
BOTTOM DEPTH	5	7	9	3	4	3	4	5	6
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282D	SB-282D	SB-282D	SB-283	SB-283	SB-284	SB-284	SB-474	SB-474
SAMPLE ID	H-SB-282RED-5	H-SB-282RED-7	H-SB-282RED-9	H-SB-283RE-3	H-SB-283RE-4	H-SB-284RE-3	H-SB-284RE-4	H-SB-474RE-5	H-SB-474RE-6
SAMPLE DATE	20091110	20091110	20091110	20090924	20090924	20090925	20090925	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	4	3	4	5	6
BOTTOM DEPTH	5	7	9	3	4	3	4	5	6
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604	SB-604	SB-604	SB-604	SB-604	SB-604A	SB-604A	SB-604A	SB-604B
SAMPLE ID	H-SB-604-3	H-SB-604-4	H-SB-604-5	H-SB-604-6	H-SB-604-7	H-SB-604A-3	H-SB-604A-5	H-SB-604A-7	H-SB-604B-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20091109	20091109	20091109	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	3	5	7	3
BOTTOM DEPTH	3	4	5	6	7	3	5	7	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604	SB-604	SB-604	SB-604	SB-604	SB-604A	SB-604A	SB-604A	SB-604B
SAMPLE ID	H-SB-604-3	H-SB-604-4	H-SB-604-5	H-SB-604-6	H-SB-604-7	H-SB-604A-3	H-SB-604A-5	H-SB-604A-7	H-SB-604B-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20091109	20091109	20091109	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	3	5	7	3
BOTTOM DEPTH	3	4	5	6	7	3	5	7	3
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604	SB-604	SB-604	SB-604	SB-604	SB-604A	SB-604A	SB-604A	SB-604B
SAMPLE ID	H-SB-604-3	H-SB-604-4	H-SB-604-5	H-SB-604-6	H-SB-604-7	H-SB-604A-3	H-SB-604A-5	H-SB-604A-7	H-SB-604B-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20091109	20091109	20091109	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	3	5	7	3
BOTTOM DEPTH	3	4	5	6	7	3	5	7	3
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	195	1.6 U	364	125	1.5 U	1.6 U	34	1.6 U	1.5 U
BAP EQUIVALENT-POS	195	1.6 U	364	124	1.5 U	1.6 U	34	1.6 U	1.5 U
BENZO(A)ANTHRACENE	130	1.2 U	270	110	1.1 U	1.2 U	19	1.1 U	1.1 U
BENZO(A)PYRENE	130	1.6 U	260	98	1.5 U	1.6 U	28	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	110	1.5 U	260	100	1.4 U	1.5 U	16	1.4 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	64	2.1 U	91	36	2 U	2.1 U	11	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	150	1.1 U	270	110	1.1 U	1.1 U	21	1.1 U	1 U
DIBENZO(A,H)ANTHRACENE	33	1.6 U	37	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	68	1.8 U	130	49	1.8 U	1.9 U	19	1.8 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	685	0 U	1318	503	0 U	0 U	114	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604	SB-604	SB-604	SB-604	SB-604	SB-604A	SB-604A	SB-604A	SB-604B
SAMPLE ID	H-SB-604-3	H-SB-604-4	H-SB-604-5	H-SB-604-6	H-SB-604-7	H-SB-604A-3	H-SB-604A-5	H-SB-604A-7	H-SB-604B-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20091109	20091109	20091109	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	3	5	7	3
BOTTOM DEPTH	3	4	5	6	7	3	5	7	3
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604	SB-604	SB-604	SB-604	SB-604	SB-604A	SB-604A	SB-604A	SB-604B
SAMPLE ID	H-SB-604-3	H-SB-604-4	H-SB-604-5	H-SB-604-6	H-SB-604-7	H-SB-604A-3	H-SB-604A-5	H-SB-604A-7	H-SB-604B-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20091109	20091109	20091109	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	3	5	7	3
BOTTOM DEPTH	3	4	5	6	7	3	5	7	3
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604B	SB-604B	SB-604D	SB-604D	SB-604D	SB-604D	SB-604D	SB-605	SB-605
SAMPLE ID	H-SB-604B-5	H-SB-604B-7	H-SB-604D-3	H-SB-604D-3-AVG	H-SB-604D-3-D	H-SB-604D-5	H-SB-604D-7	H-SB-605-3	H-SB-605-4
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	5	7	3	4
BOTTOM DEPTH	5	7	3	3	3	5	7	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604B	SB-604B	SB-604D	SB-604D	SB-604D	SB-604D	SB-604D	SB-605	SB-605
SAMPLE ID	H-SB-604B-5	H-SB-604B-7	H-SB-604D-3	H-SB-604D-3-AVG	H-SB-604D-3-D	H-SB-604D-5	H-SB-604D-7	H-SB-605-3	H-SB-605-4
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	5	7	3	4
BOTTOM DEPTH	5	7	3	3	3	5	7	3	4
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604B	SB-604B	SB-604D	SB-604D	SB-604D	SB-604D	SB-604D	SB-605	SB-605
SAMPLE ID	H-SB-604B-5	H-SB-604B-7	H-SB-604D-3	H-SB-604D-3-AVG	H-SB-604D-3-D	H-SB-604D-5	H-SB-604D-7	H-SB-605-3	H-SB-605-4
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	5	7	3	4
BOTTOM DEPTH	5	7	3	3	3	5	7	3	4
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1728	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	23	1.5 U
BAP EQUIVALENT-POS	1728	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	23	1.5 U
BENZO(A)ANTHRACENE	1400	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.3 U	21	1.1 U
BENZO(A)PYRENE	1200	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	17	1.5 U
BENZO(B)FLUORANTHENE	1200	1.4 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	15	1.3 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	530	2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.3 U	8.3	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1300	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	21	1 U
DIBENZO(A,H)ANTHRACENE	210	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	510	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U	2 U	19	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	6350	0 U	0 U	0 U	0 U	0 U	0 U	101.3	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604B	SB-604B	SB-604D	SB-604D	SB-604D	SB-604D	SB-604D	SB-605	SB-605
SAMPLE ID	H-SB-604B-5	H-SB-604B-7	H-SB-604D-3	H-SB-604D-3-AVG	H-SB-604D-3-D	H-SB-604D-5	H-SB-604D-7	H-SB-605-3	H-SB-605-4
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	5	7	3	4
BOTTOM DEPTH	5	7	3	3	3	5	7	3	4
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-604B	SB-604B	SB-604D	SB-604D	SB-604D	SB-604D	SB-604D	SB-605	SB-605
SAMPLE ID	H-SB-604B-5	H-SB-604B-7	H-SB-604D-3	H-SB-604D-3-AVG	H-SB-604D-3-D	H-SB-604D-5	H-SB-604D-7	H-SB-605-3	H-SB-605-4
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	3	3	5	7	3	4
BOTTOM DEPTH	5	7	3	3	3	5	7	3	4
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-606	SB-606	SB-607	SB-607	SB-608	SB-608	SB-608	SB-608	SB-609
SAMPLE ID	H-SB-606-3	H-SB-606-4	H-SB-607-3	H-SB-607-4	H-SB-608-3	H-SB-608-4	H-SB-608-4-AVG	H-SB-608-4-D	H-SB-609-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	3	4	4	4	3
BOTTOM DEPTH	3	4	3	4	3	4	4	4	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-606	SB-606	SB-607	SB-607	SB-608	SB-608	SB-608	SB-608	SB-609
SAMPLE ID	H-SB-606-3	H-SB-606-4	H-SB-607-3	H-SB-607-4	H-SB-608-3	H-SB-608-4	H-SB-608-4-AVG	H-SB-608-4-D	H-SB-609-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	3	4	4	4	3
BOTTOM DEPTH	3	4	3	4	3	4	4	4	3
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-606	SB-606	SB-607	SB-607	SB-608	SB-608	SB-608	SB-608	SB-609
SAMPLE ID	H-SB-606-3	H-SB-606-4	H-SB-607-3	H-SB-607-4	H-SB-608-3	H-SB-608-4	H-SB-608-4-AVG	H-SB-608-4-D	H-SB-609-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	3	4	4	4	3
BOTTOM DEPTH	3	4	3	4	3	4	4	4	3
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.6	1.5 U	1.6 U	1.6 U	1.6 U	2.7	1.8	1.7 U	20
BAP EQUIVALENT-POS	0.9	1.5 U	1.6 U	1.6 U	1.6 U	0.9	0.9	1.7 U	20
BENZO(A)ANTHRACENE	9	1.1 U	1.2 U	1.1 U	1.2 U	9	4.8	1.2 U	19
BENZO(A)PYRENE	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.65 U	1.7 U	16
BENZO(B)FLUORANTHENE	1.4 U	1.4 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	16
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	1.9 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2.15 U	2.2 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	20
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.65 U	1.7 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.7 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	9	0 U	0 U	0 U	0 U	9	4.5	0 U	71
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-606	SB-606	SB-607	SB-607	SB-608	SB-608	SB-608	SB-608	SB-609
SAMPLE ID	H-SB-606-3	H-SB-606-4	H-SB-607-3	H-SB-607-4	H-SB-608-3	H-SB-608-4	H-SB-608-4-AVG	H-SB-608-4-D	H-SB-609-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	3	4	4	4	3
BOTTOM DEPTH	3	4	3	4	3	4	4	4	3
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-606	SB-606	SB-607	SB-607	SB-608	SB-608	SB-608	SB-608	SB-609
SAMPLE ID	H-SB-606-3	H-SB-606-4	H-SB-607-3	H-SB-607-4	H-SB-608-3	H-SB-608-4	H-SB-608-4-AVG	H-SB-608-4-D	H-SB-609-3
SAMPLE DATE	20090924	20090924	20090924	20090924	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	3	4	4	4	3
BOTTOM DEPTH	3	4	3	4	3	4	4	4	3
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-609	SB-610	SB-610	SB-610	SB-610	SB-610	SB-610B	SB-610B	SB-610B
SAMPLE ID	H-SB-609-4	H-SB-610-3	H-SB-610-4	H-SB-610-5	H-SB-610-6	H-SB-610-7	H-SB-610B-3	H-SB-610B-5	H-SB-610B-5-AVG
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20091109	20091109	20091109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	5	5
BOTTOM DEPTH	4	3	4	5	6	7	3	5	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-609	SB-610	SB-610	SB-610	SB-610	SB-610	SB-610B	SB-610B	SB-610B
SAMPLE ID	H-SB-609-4	H-SB-610-3	H-SB-610-4	H-SB-610-5	H-SB-610-6	H-SB-610-7	H-SB-610B-3	H-SB-610B-5	H-SB-610B-5-AVG
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20091109	20091109	20091109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	5	5
BOTTOM DEPTH	4	3	4	5	6	7	3	5	5
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-609	SB-610	SB-610	SB-610	SB-610	SB-610	SB-610B	SB-610B	SB-610B
SAMPLE ID	H-SB-609-4	H-SB-610-3	H-SB-610-4	H-SB-610-5	H-SB-610-6	H-SB-610-7	H-SB-610B-3	H-SB-610B-5	H-SB-610B-5-AVG
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20091109	20091109	20091109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	5	5
BOTTOM DEPTH	4	3	4	5	6	7	3	5	5
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	47	477	62	20	1.6 U	1.5 U	1.6 U	1.5 U	1.55 U
BAP EQUIVALENT-POS	46	477	61	19	1.6 U	1.5 U	1.6 U	1.5 U	1.55 U
BENZO(A)ANTHRACENE	44	410	54	22 J	1.1 UJ	1.1 UJ	1.2 U	1.1 U	1.15 U
BENZO(A)PYRENE	36	320	47	15 J	1.6 UJ	1.5 UJ	1.6 U	1.5 U	1.55 U
BENZO(B)FLUORANTHENE	37	320	50	15 J	1.4 UJ	1.4 UJ	1.5 U	1.4 U	1.45 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	20	140	17	8.7 J	2 UJ	2 UJ	2.1 U	2 U	2.05 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	46	400	59	23 J	1.1 UJ	1.1 UJ	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	66	1.6 U	1.5 UJ	1.6 UJ	1.5 UJ	1.6 U	1.5 U	1.55 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	16	160	37	1.8 UJ	1.8 UJ	1.8 UJ	1.8 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	199	1816	264	83.7	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-609	SB-610	SB-610	SB-610	SB-610	SB-610	SB-610B	SB-610B	SB-610B
SAMPLE ID	H-SB-609-4	H-SB-610-3	H-SB-610-4	H-SB-610-5	H-SB-610-6	H-SB-610-7	H-SB-610B-3	H-SB-610B-5	H-SB-610B-5-AVG
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20091109	20091109	20091109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	5	5
BOTTOM DEPTH	4	3	4	5	6	7	3	5	5
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-609	SB-610	SB-610	SB-610	SB-610	SB-610	SB-610B	SB-610B	SB-610B
SAMPLE ID	H-SB-609-4	H-SB-610-3	H-SB-610-4	H-SB-610-5	H-SB-610-6	H-SB-610-7	H-SB-610B-3	H-SB-610B-5	H-SB-610B-5-AVG
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20091109	20091109	20091109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	5	6	7	3	5	5
BOTTOM DEPTH	4	3	4	5	6	7	3	5	5
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	36 J	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-610B	SB-610C	SB-610C	SB-610D	SB-610D	SB-611	SB-611	SB-611	SB-611
SAMPLE ID	H-SB-610B-5-D	H-SB-610C-3	H-SB-610C-5	H-SB-610D-3	H-SB-610D-5	H-SB-611-3	H-SB-611-4	H-SB-611-5	H-SB-611-6
SAMPLE DATE	20091109	20091109	20091109	20091109	20091109	20090925	20090925	20090925	20090925
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	5	3	4	5	6
BOTTOM DEPTH	5	3	5	3	5	3	4	5	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-610B	SB-610C	SB-610C	SB-610D	SB-610D	SB-611	SB-611	SB-611	SB-611
SAMPLE ID	H-SB-610B-5-D	H-SB-610C-3	H-SB-610C-5	H-SB-610D-3	H-SB-610D-5	H-SB-611-3	H-SB-611-4	H-SB-611-5	H-SB-611-6
SAMPLE DATE	20091109	20091109	20091109	20091109	20091109	20090925	20090925	20090925	20090925
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	5	3	4	5	6
BOTTOM DEPTH	5	3	5	3	5	3	4	5	6
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-610B	SB-610C	SB-610C	SB-610D	SB-610D	SB-611	SB-611	SB-611	SB-611
SAMPLE ID	H-SB-610B-5-D	H-SB-610C-3	H-SB-610C-5	H-SB-610D-3	H-SB-610D-5	H-SB-611-3	H-SB-611-4	H-SB-611-5	H-SB-611-6
SAMPLE DATE	20091109	20091109	20091109	20091109	20091109	20090925	20090925	20090925	20090925
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	5	3	4	5	6
BOTTOM DEPTH	5	3	5	3	5	3	4	5	6
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	736	1.6 U	10	1.6 U
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	736	1.6 U	9.3	1.6 U
BENZO(A)ANTHRACENE	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	570	1.2 U	11	1.2 U
BENZO(A)PYRENE	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	520	1.6 U	8.2	1.6 U
BENZO(B)FLUORANTHENE	1.5 U	1.5 U	1.4 U	1.5 U	1.4 U	520	1.5 U	1.5 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2.1 U	2 U	2.1 U	2 U	190	2.1 U	2.1 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	600	1.1 U	11	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	80	1.6 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	240	1.8 U	1.8 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	2720	0 U	30.2	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-610B	SB-610C	SB-610C	SB-610D	SB-610D	SB-611	SB-611	SB-611	SB-611
SAMPLE ID	H-SB-610B-5-D	H-SB-610C-3	H-SB-610C-5	H-SB-610D-3	H-SB-610D-5	H-SB-611-3	H-SB-611-4	H-SB-611-5	H-SB-611-6
SAMPLE DATE	20091109	20091109	20091109	20091109	20091109	20090925	20090925	20090925	20090925
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	5	3	4	5	6
BOTTOM DEPTH	5	3	5	3	5	3	4	5	6
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-610B	SB-610C	SB-610C	SB-610D	SB-610D	SB-611	SB-611	SB-611	SB-611
SAMPLE ID	H-SB-610B-5-D	H-SB-610C-3	H-SB-610C-5	H-SB-610D-3	H-SB-610D-5	H-SB-611-3	H-SB-611-4	H-SB-611-5	H-SB-611-6
SAMPLE DATE	20091109	20091109	20091109	20091109	20091109	20090925	20090925	20090925	20090925
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	5	3	4	5	6
BOTTOM DEPTH	5	3	5	3	5	3	4	5	6
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-611	SB-611A	SB-611A	SB-611D	SB-611D	SB-611D	SB-611D	SB-614
SAMPLE ID	H-SB-611-7	H-SB-611A-3	H-SB-611A-5	H-SB-611D-3	H-SB-611D-5	H-SB-611D-5-AVG	H-SB-611D-5-D	H-SB-614-10
SAMPLE DATE	20090925	20091109	20091109	20091109	20091109	20091109	20091109	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	3	5	5	5	10
BOTTOM DEPTH	7	3	5	3	5	5	5	10
VOLATILES (UG/KG)								
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-611	SB-611A	SB-611A	SB-611D	SB-611D	SB-611D	SB-611D	SB-614
SAMPLE ID	H-SB-611-7	H-SB-611A-3	H-SB-611A-5	H-SB-611D-3	H-SB-611D-5	H-SB-611D-5-AVG	H-SB-611D-5-D	H-SB-614-10
SAMPLE DATE	20090925	20091109	20091109	20091109	20091109	20091109	20091109	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	3	5	5	5	10
BOTTOM DEPTH	7	3	5	3	5	5	5	10
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-611	SB-611A	SB-611A	SB-611D	SB-611D	SB-611D	SB-611D	SB-614
SAMPLE ID	H-SB-611-7	H-SB-611A-3	H-SB-611A-5	H-SB-611D-3	H-SB-611D-5	H-SB-611D-5-AVG	H-SB-611D-5-D	H-SB-614-10
SAMPLE DATE	20090925	20091109	20091109	20091109	20091109	20091109	20091109	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	3	5	5	5	10
BOTTOM DEPTH	7	3	5	3	5	5	5	10
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	30	323	1.5 U	1.6 U	1.6 U	1.6 U	5337
BAP EQUIVALENT-POS	1.5 U	29	323	1.5 U	1.6 U	1.6 U	1.6 U	5330
BENZO(A)ANTHRACENE	1.1 U	17	310	1.1 U	1.2 U	1.2 U	1.2 U	3900
BENZO(A)PYRENE	1.5 U	24	210	1.5 U	1.6 U	1.6 U	1.6 U	4300
BENZO(B)FLUORANTHENE	1.4 U	14	270	1.4 U	1.5 U	1.5 U	1.5 U	4100
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	11	90	2 U	2.1 U	2.1 U	2.1 U	1600
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	18	330	1.1 U	1.1 U	1.1 U	1.1 U	3600
DIBENZO(A,H)ANTHRACENE	1.5 U	1.6 U	43	1.5 U	1.6 U	1.6 U	1.6 U	15 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	18	110	1.8 U	1.8 U	1.8 U	1.8 U	2100
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	102	1363	0 U	0 U	0 U	0 U	19600
PESTICIDES/PCBS (UG/KG)								
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)								
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-611	SB-611A	SB-611A	SB-611D	SB-611D	SB-611D	SB-611D	SB-614
SAMPLE ID	H-SB-611-7	H-SB-611A-3	H-SB-611A-5	H-SB-611D-3	H-SB-611D-5	H-SB-611D-5-AVG	H-SB-611D-5-D	H-SB-614-10
SAMPLE DATE	20090925	20091109	20091109	20091109	20091109	20091109	20091109	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	3	5	5	5	10
BOTTOM DEPTH	7	3	5	3	5	5	5	10
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-611	SB-611A	SB-611A	SB-611D	SB-611D	SB-611D	SB-611D	SB-614
SAMPLE ID	H-SB-611-7	H-SB-611A-3	H-SB-611A-5	H-SB-611D-3	H-SB-611D-5	H-SB-611D-5-AVG	H-SB-611D-5-D	H-SB-614-10
SAMPLE DATE	20090925	20091109	20091109	20091109	20091109	20091109	20091109	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	3	5	5	5	10
BOTTOM DEPTH	7	3	5	3	5	5	5	10
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)								
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)								
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MRC-MW08A	SB-200	SB-200	SB-201	SB-201	SB-202	SB-202	SB-203	SB-203
SAMPLE ID	MRC-MW08[0809]	SB-200-05	SB-200-10	SB-201-05	SB-201-10	SB-202-05	SB-202-10	SB-203-05	SB-203-10
SAMPLE DATE	20050524	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20050513
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	5	10	5	10	5	10
BOTTOM DEPTH	9	5	10	5	10	5	10	5	10
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,1,1-TRICHLOROETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,1,2,2-TETRACHLOROETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,1,2-TRICHLOROETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,1-DICHLOROETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,1-DICHLOROETHENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,1-DICHLOROPROPENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,2,3-TRICHLOROBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,2,3-TRICHLOROPROPANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,2,4-TRIMETHYLBENZENE	NA	1.1 B	3.3	0.62 B	1.7 B	0.81 B	0.55 B	0.8 B	1.3 B
1,2-DIBROMO-3-CHLOROPROPANE	NA	4.4 U	4.1 U	4 U	4.2 U	4.2 U	4 U	4.7 U	4 U
1,2-DIBROMOETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,2-DICHLOROBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,2-DICHLOROETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,2-DICHLOROPROPANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,3,5-TRIMETHYLBENZENE	NA	2.18 U	0.94 J	1.98 U	2.1 U	2.09 U	2.02 U	2.35 U	1.98 U
1,3-DICHLOROBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,3-DICHLOROPROPANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,3-DICHLOROPROPENE	NA	4.36 U	4.07 U	3.96 U	4.19 U	4.18 U	4.04 U	4.7 U	3.96 U
1,4-DICHLOROBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
1,4-DIOXANE	NA	109 U	102 U	99.1 U	105 U	104 U	101 U	118 U	99 U
2,2-DICHLOROPROPANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
2-BUTANONE	NA	8.72 U	2.14 J	7.39 J	5.33 J	4.17 J	8.08 U	9.41 U	7.92 U
2-CHLOROETHYL VINYL ETHER	NA	2.2 UR	2 UR	2 UR	2.1 UR	2.1 UR	2 UR	2.4 UR	2 UR
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	8.72 U	8.14 U	7.92 U	8.38 U	8.35 U	8.08 U	9.41 U	7.92 U
4-CHLOROTOLUENE	NA	2.18 U	2.04 U	1.98 U	2.1 U	2.09 U	2.02 U	2.35 U	1.98 U
4-ISOPROPYLTOLUENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
4-METHYL-2-PENTANONE	NA	8.7 U	8.1 U	7.9 U	8.4 U	8.4 U	8.1 U	9.4 U	7.9 U
ACETONE	NA	12.8 J	12.7 J	111 J	63 J	78 J	4.4 J	9.3 J	30 J
BENZENE	NA	2.18 U	2.04 U	1.98 U	2.1 U	2.09 U	2.02 U	2.35 U	1.98 U
BROMOBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
BROMOCHLOROMETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
BROMODICHLOROMETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
BROMOFORM	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
BROMOMETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
CARBON DISULFIDE	NA	2.2 U	0.68 J	1.9 J	2.1 U	2.1 U	2 U	2.4 U	2 U
CARBON TETRACHLORIDE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
CHLOROBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
CHLORODIBROMOMETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
CHLOROETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
CHLOROFORM	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
CHLOROMETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
CIS-1,2-DICHLOROETHENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
CIS-1,3-DICHLOROPROPENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
DIBROMOMETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
DICHLORODIFLUOROMETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
DIISOPROPYL ETHER	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
ETHYL TERT-BUTYL ETHER	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
ETHYLBENZENE	NA	2.2 U	1.2 J	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
FLUORODICHLOROMETHANE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
HEXACHLOROBUTADIENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
ISOPROPYLBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
M+P-XYLENES	NA	4.4 U	4.9	4 U	4.2 U	4.2 U	4 U	4.7 U	4 U
METHYL TERT-BUTYL ETHER	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
METHYLENE CHLORIDE	NA	4.4 U	4.1 U	4 U	3.8 J	4.2 U	4 U	4.7 U	2.4 J
NAPHTHALENE	NA	28.1	66.4	0.56 J	2.1 U	2.1 U	2 U	2.4 U	2 U
N-BUTYLBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
N-PROPYLBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
O-XYLENE	NA	2.2 U	1.2 J	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
SEC-BUTYLBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
STYRENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
TERT-AMYL METHYL ETHER	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
TERT-BUTYLBENZENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
TERTIARY-BUTYL ALCOHOL	NA	9 U	5 J	5 J	6 J	8 U	8 U	9 U	6 J
TETRACHLOROETHENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
TOLUENE	NA	2.2 U	3.8	1.5 J	7.6	6.4	5.7	5.4	5.3
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	6.5 U	6.2 U	5.9 U	6.3 U	6.3 U	6.1 U	7.1 U	5.9 U
TRANS-1,2-DICHLOROETHENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
TRANS-1,3-DICHLOROPROPENE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
TRICHLOROETHENE	NA	2.2 U	1.1 J	2 U	2.7	2.7	2.5	2.5	2.4
TRICHLOROFLUOROMETHANE	NA	2.2 U	2 U	2 U	2.1 U	0.74 J	0.74 J	2.4 U	2 U
VINYL ACETATE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U

LOCATION	MRC-MW08A	SB-200	SB-200	SB-201	SB-201	SB-202	SB-202	SB-203	SB-203
SAMPLE ID	MRC-MW08[0809]	SB-200-05	SB-200-10	SB-201-05	SB-201-10	SB-202-05	SB-202-10	SB-203-05	SB-203-10
SAMPLE DATE	20050524	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20050513
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	5	10	5	10	5	10
BOTTOM DEPTH	9	5	10	5	10	5	10	5	10
VINYL CHLORIDE	NA	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
1,2-DICHLOROBENZENE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
1,3-DICHLOROBENZENE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
1,4-DICHLOROBENZENE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
1,4-DIOXANE	NA	390 U	386 U	387 U	413 U	391 U	381 U	390 U	378 U
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	118 U	117 U	117 U	125 U	119 U	115 U	118 U	115 U
2,4,5-TRICHLOROPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
2,4,6-TRICHLOROPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
2,4-DICHLOROPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
2,4-DIMETHYLPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
2,4-DINITROPHENOL	NA	590 U	585 U	586 U	626 U	593 U	577 U	591 U	573 U
2,4-DINITROTOLUENE	NA	83 U	82 U	82 U	88 U	83 U	81 U	83 U	80 U
2,6-DINITROTOLUENE	NA	83 U	82 U	82 U	88 U	83 U	81 U	83 U	80 U
2-CHLORONAPHTHALENE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
2-CHLOROPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
2-METHYLPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
2-NITROANILINE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
2-NITROPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
3&4-METHYLPHENOL	NA	791 U	785 U	786 U	839 U	795 U	773 U	792 U	768 U
3,3'-DICHLOROBENZIDINE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
3-NITROANILINE	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
4,6-DINITRO-2-METHYLPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
4-BROMOPHENYL PHENYL ETHER	NA	118 U	117 U	117 U	125 U	119 U	115 U	118 U	115 U
4-CHLORO-3-METHYLPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
4-CHLOROANILINE	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
4-CHLOROPHENYL PHENYL ETHER	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	118 U	117 U	117 U	125 U	119 U	115 U	118 U	115 U
4-NITROPHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	791 U	785 U	786 U	839 U	795 UR	773 U	792 U	768 U
BENZOIC ACID	NA	791 U	785 U	48.7 J	51 J	795 U	773 U	43.1 J	43 J
BENZYL ALCOHOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
BIS(2-CHLOROETHOXY)METHANE	NA	118 U	117 U	117 U	125 U	119 U	115 U	118 U	115 U
BIS(2-CHLOROETHYL)ETHER	NA	118 U	117 U	117 U	125 U	119 U	115 U	118 U	115 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	83 U	82 U	82 U	88 U	83 U	81 U	83 U	80 U
BUTYL BENZYL PHTHALATE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
DIBENZOFURAN	NA	118 U	91 J	117 U	125 U	119 U	115 U	118 U	115 U
DIETHYL PHTHALATE	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
DIMETHYL PHTHALATE	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
DI-N-BUTYL PHTHALATE	NA	201 U	199 U	38 J	213 U	202 U	196 U	201 U	195 U
DI-N-OCTYL PHTHALATE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
HEXACHLOROBENZENE	NA	83 U	82 U	82 U	88 U	83 U	81 U	83 U	80 U
HEXACHLOROBUTADIENE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
HEXACHLOROCYCLOPENTADIENE	NA	401 U	398 U	399 U	426 U	403 UR	392 U	402 U	390 U
HEXACHLOROETHANE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
ISOPHORONE	NA	118 U	117 U	117 U	125 U	119 U	115 U	118 U	115 U
NITROBENZENE	NA	201 U	199 U	199 U	213 U	202 U	196 U	201 U	195 U
N-NITROSODIMETHYLAMINE	NA	118 U	117 U	117 U	125 U	119 U	115 U	118 U	115 U
N-NITROSO-DI-N-PROPYLAMINE	NA	118 U	117 U	117 U	125 U	119 U	115 U	118 U	115 U
N-NITROSODIPHENYLAMINE	NA	118 U	34 J	117 U	125 U	119 U	115 U	118 U	115 U
PENTACHLOROPHENOL	NA	991 U	984 U	985 U	1050 U	996 U	969 U	993 U	963 U
PHENOL	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
PYRIDINE	NA	401 U	398 U	399 U	426 U	403 U	392 U	402 U	390 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	41.7 J	452	82.1 U	87.7 U	83 U	80.8 U	82.7 U	80.3 U
2-METHYLNAPHTHALENE	NA	39 J	412	82 U	88 U	83 U	81 U	83 U	80 U
ACENAPHTHENE	NA	36 J	381	82 U	88 U	83 U	81 U	83 U	80 U
ACENAPHTHYLENE	NA	83 U	82 U	82 U	88 U	83 U	81 U	83 U	80 U
ANTHRACENE	NA	72 J	595	82 U	88 U	83 U	81 U	83 U	80 U
BAP EQUIVALENT-HALFND	NA	165	943	82 U	100	83 U	120	83 U	80 U
BAP EQUIVALENT-POS	NA	124	943	82 U	2.3	83 U	75	83 U	80 U
BENZO(A)ANTHRACENE	NA	111	752	82 U	23 J	83 U	54 J	83 U	80 U
BENZO(A)PYRENE	NA	100	671	82 U	88 U	83 U	63 J	83 U	80 U
BENZO(B)FLUORANTHENE	NA	61 J	435	82 U	88 U	83 U	61 J	83 U	80 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	69 J	337	82 U	88 U	83 U	81 U	83 U	80 U
BENZO(K)FLUORANTHENE	NA	78 J	536	82 U	88 U	83 U	55 J	83 U	80 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MRC-MW08A	SB-200	SB-200	SB-201	SB-201	SB-202	SB-202	SB-203	SB-203
SAMPLE ID	MRC-MW08[0809]	SB-200-05	SB-200-10	SB-201-05	SB-201-10	SB-202-05	SB-202-10	SB-203-05	SB-203-10
SAMPLE DATE	20050524	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20050513
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	5	10	5	10	5	10
BOTTOM DEPTH	9	5	10	5	10	5	10	5	10
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	118	819	82 U	30 J	83 U	63 J	83 U	80 U
DIBENZO(A,H)ANTHRACENE	NA	83 U	116	82 U	88 U	83 U	81 U	83 U	80 U
FLUORANTHENE	NA	253	1770	82 U	42 J	83 U	86	83 U	80 U
FLUORENE	NA	52 J	507	82 U	88 U	83 U	81 U	83 U	80 U
INDENO(1,2,3-CD)PYRENE	NA	55 J	311	82 U	88 U	83 U	81 U	83 U	80 U
NAPHTHALENE	NA	83 U	260	82 U	88 U	83 U	81 U	83 U	80 U
PHENANTHRENE	NA	329	2610	82 U	88 U	83 U	48 J	83 U	80 U
PYRENE	NA	269	1960	82 U	34 J	83 U	128	83 U	80 U
TOTAL PAHS	NA	1642	12472	0 U	129	0 U	558	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	39 U	38 U	38 U	42 U	39 U	38 U	39 U	38 U
AROCLOR-1221	NA	39 U	38 U	38 U	42 U	39 U	38 U	39 U	38 U
AROCLOR-1232	NA	39 U	38 U	38 U	42 U	39 U	38 U	39 U	38 U
AROCLOR-1242	NA	39 U	38 U	38 U	42 U	39 U	38 U	39 U	38 U
AROCLOR-1248	NA	39 U	38 U	38 U	42 U	39 U	38 U	39 U	38 U
AROCLOR-1254	NA	39 U	38 U	38 U	42 U	39 U	38 U	39 U	38 U
AROCLOR-1260	NA	39 U	38 U	38 U	42 U	39 U	38 U	39 U	38 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	0.3 U	0.4 U	0.9	0.2 U	0.4 U	0.3 U	0.3 U	0.8
ARSENIC	NA	5	4	3	1	4	2	3	4
BARIUM	NA	36	79	26	15	25	20	22	15
BERYLLIUM	NA	1.9	3.6	0.6	0.6	3.3	4.5	1.6	0.5
CADMIUM	NA	0.1	0.09	0.08	0.04 U	0.2	0.2	0.08	0.09
CHROMIUM	NA	39.4	38.9	18	14.4	31.8	32.1	31.9	20.6
COBALT	NA	27.1	10.8	2.4	8.1	14.9	10.4	30.8	8.3
COPPER	NA	14	17	10	6	12	10	23	12
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	14	17	4 B	5	17	11	13	5
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	0.02 L	0.01 L	0.24 L	0.17 L	0.002 UR	0.002 UR	0.02 L	0.03 L
MOLYBDENUM	NA	0.5 U	0.6 U	0.6 U	0.5 B	0.6 U	0.5 U	0.5 U	0.5 U
NICKEL	NA	22	27	5	10	35	33	44	19
SELENIUM	NA	2 U	3	2 U	3	2 U	2 U	2 U	2 U
SILVER	NA	0.2 B	0.3 B	0.06 U	0.3 B	0.06 U	0.05 U	0.3 B	0.05 U
THALLIUM	NA	0.9 U	1 U	1 U	0.8 U	1 U	1 U	1 U	1 U
VANADIUM	NA	45.9	52.9	33.9	25.7	52.2	39.7	49.2	39.2
ZINC	NA	44	62	25	30	51	68	55	26
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	MRC-MW08A	SB-200	SB-200	SB-201	SB-201	SB-202	SB-202	SB-203	SB-203
SAMPLE ID	MRC-MW08[0809]	SB-200-05	SB-200-10	SB-201-05	SB-201-10	SB-202-05	SB-202-10	SB-203-05	SB-203-10
SAMPLE DATE	20050524	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20050513
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	10	5	10	5	10	5	10
BOTTOM DEPTH	9	5	10	5	10	5	10	5	10
DIESEL RANGE ORGANICS	NA	64400	173000	11100	30000	3800 B	15900	13000	2400 B
GASOLINE RANGE ORGANICS	NA	13100 U	11800 U	11200 U	15200 U	12300 U	9550 U	10500 U	8550 U
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	0.4 U	0.4 U	NA	NA	0.4 U	0.3 U	0.78	NA
TOTAL ORGANIC CARBON	1350	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	4.9	5	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-282	SB-282	SB-283	SB-283	SB-284	SB-284	SB-285	SB-285	SB-286
SAMPLE ID	SB-282-0405	SB-282-0910	SB-283-0405	SB-283-0910	SB-284-0405	SB-284-0910	SB-285-0405	SB-285-0910	SB-286-0405
SAMPLE DATE	20051026	20051026	20051027	20051027	20051027	20051027	20051027	20051027	20051027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	4
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,1,1-TRICHLOROETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,1-DICHLOROETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,1-DICHLOROETHENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,1-DICHLOROPROPENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,2,3-TRICHLOROBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,2,3-TRICHLOROPROPANE	6 U	6 U	6 UJ	6 UJ	7 UJ	6 UJ	6 UJ	6 UJ	7 UJ
1,2,3-TRIMETHYLBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	0.8 J	6 U	7 U
1,2,4-TRICHLOROBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,2,4-TRIMETHYLBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,2-DIBROMO-3-CHLOROPROPANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,2-DIBROMOETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,2-DICHLOROBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,2-DICHLOROETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,2-DICHLOROPROPANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,3-DICHLOROPROPANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
2-BUTANONE	29 UR	29 UR	30 UR	30 UR	36 UR	30 UR	31 UR	30 UR	33 UR
2-CHLOROETHYL VINYL ETHER	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
2-CHLOROTOLUENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
2-HEXANONE	29 U	29 U	30 U	30 U	36 U	30 U	31 U	30 U	33 U
4-CHLOROTOLUENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
4-ISOPROPYLTOLUENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
4-METHYL-2-PENTANONE	29 U	29 U	30 U	30 U	36 U	30 U	31 U	30 U	33 U
ACETONE	15 B	6 B	14 J	30 UR	7 J	30 UR	13 J	12 J	70 J
BENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
BROMOBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
BROMOCHLOROMETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
BROMODICHLOROMETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
BROMOFORM	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
BROMOMETHANE	12 U	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U
CARBON DISULFIDE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
CARBON TETRACHLORIDE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
CHLOROBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
CHLORODIBROMOMETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
CHLOROETHANE	12 U	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U
CHLOROFORM	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
CHLOROMETHANE	12 U	11 U	12 U	12 U	14 U	12 UJ	12 UJ	12 UJ	13 UJ
CIS-1,2-DICHLOROETHENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
CIS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
DIBROMOMETHANE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
DICHLORODIFLUOROMETHANE	12 U	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U
DIISOPROPYL ETHER	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
ETHYL TERT-BUTYL ETHER	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
ETHYLBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
ISOPROPYLBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
M+P-XYLENES	12 U	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U
METHYL TERT-BUTYL ETHER	12 U	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U
METHYLENE CHLORIDE	6 B	9 B	3 B	6 U	4 B	4 B	7 B	6 B	8 B
NAPHTHALENE	6 U	6 U	6 U	6 U	3 J	5 J	130	34	12
N-BUTYLBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
N-PROPYLBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
O-XYLENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
SEC-BUTYLBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
STYRENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
TERT-AMYL METHYL ETHER	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
TERT-BUTYLBENZENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
TERTIARY-BUTYL ALCOHOL	12 UR	11 UR	12 UR	12 UR	14 UR	12 UR	12 UR	12 UR	13 UR
TETRACHLOROETHENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
TOLUENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
TOTAL 1,2-DICHLOROETHENE	12 U	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U
TOTAL XYLENES	17 U	17 U	18 U	18 U	22 U	18 U	18 U	18 U	20 U
TRANS-1,2-DICHLOROETHENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
TRICHLOROETHENE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U
TRICHLOROFLUOROMETHANE	12 U	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U
VINYL ACETATE	6 U	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U

LOCATION	SB-282	SB-282	SB-283	SB-283	SB-284	SB-284	SB-285	SB-285	SB-286
SAMPLE ID	SB-282-0405	SB-282-0910	SB-283-0405	SB-283-0910	SB-284-0405	SB-284-0910	SB-285-0405	SB-285-0910	SB-286-0405
SAMPLE DATE	20051026	20051026	20051027	20051027	20051027	20051027	20051027	20051027	20051027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	4
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5
VINYL CHLORIDE	12 U	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
1,2-DICHLOROBENZENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
1,3-DICHLOROBENZENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
1,4-DICHLOROBENZENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
1,4-DIOXANE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2,2'-OXYBIS(1-CHLOROPROPANE)	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2,4,5-TRICHLOROPHENOL	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
2,4,6-TRICHLOROPHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2,4-DICHLOROPHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2,4-DIMETHYLPHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2,4-DINITROPHENOL	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
2,4-DINITROTOLUENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2,6-DINITROTOLUENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2-CHLORONAPHTHALENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2-CHLOROPHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2-METHYLPHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
2-NITROANILINE	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
2-NITROPHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
3&4-METHYLPHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
3,3'-DICHLOROBENZIDINE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
3-NITROANILINE	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
4,6-DINITRO-2-METHYLPHENOL	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
4-BROMOPHENYL PHENYL ETHER	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
4-CHLORO-3-METHYLPHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
4-CHLOROANILINE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
4-CHLOROPHENYL PHENYL ETHER	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
4-NITROPHENOL	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
BENZOIC ACID	960 UJ	940 UJ	990 UJ	970 UJ	1200 UJ	970 UJ	1000 U	980 U	1100 U
BENZYL ALCOHOL	380 UJ	380 UJ	400 UJ	390 UJ	470 UJ	390 UJ	410 UR	390 UR	440 U
BIS(2-CHLOROETHOXY)METHANE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
BIS(2-CHLOROETHYL)ETHER	380 UJ	380 UJ	400 U	390 U	470 U	390 U	410 U	390 U	440 U
BIS(2-ETHYLHEXYL)PHTHALATE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
BUTYL BENZYL PHTHALATE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
DIBENZOFURAN	380 U	380 U	400 U	390 U	470 U	390 U	110 J	390 U	440 U
DIETHYL PHTHALATE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
DIMETHYL PHTHALATE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
DI-N-BUTYL PHTHALATE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
DI-N-OCTYL PHTHALATE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
HEXACHLOROBENZENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
HEXACHLOROBUTADIENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
HEXACHLOROCYCLOPENTADIENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
HEXACHLOROETHANE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
ISOPHORONE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
NITROBENZENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
N-NITROSODIMETHYLAMINE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
N-NITROSO-DI-N-PROPYLAMINE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
N-NITROSODIPHENYLAMINE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
PENTACHLOROPHENOL	960 U	940 U	990 U	970 U	1200 U	970 U	1000 U	980 U	1100 U
PHENOL	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
PYRIDINE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	380 U	380 U	400 U	390 U	340 J	390 U	700	340 J	440 U
2-METHYLNAPHTHALENE	380 U	380 U	400 U	390 U	260 J	390 U	1100	410	440 U
ACENAPHTHENE	380 U	380 U	400 U	390 U	140 J	390 U	430	240 J	440 U
ACENAPHTHYLENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
ANTHRACENE	380 U	70 J	400 U	390 U	120 J	390 U	580	310 J	440 U
BAP EQUIVALENT-HALFND	380 U	397	400 U	390 U	470 U	390 U	1415	899	440 U
BAP EQUIVALENT-POS	380 U	188	400 U	390 U	470 U	390 U	1210	704	440 U
BENZO(A)ANTHRACENE	380 U	200 J	400 U	390 U	470 U	390 U	900	520	440 U
BENZO(A)PYRENE	380 U	150 J	400 U	390 U	470 U	390 U	960	560	440 U
BENZO(B)FLUORANTHENE	380 U	170 J	400 U	390 U	470 U	390 U	960	570	440 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	380 U	380 U	400 U	390 U	470 U	390 U	650	340 J	440 U
BENZO(K)FLUORANTHENE	380 U	97 J	400 U	390 U	470 U	390 U	360 J	86 J	440 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-282	SB-282	SB-283	SB-283	SB-284	SB-284	SB-285	SB-285	SB-286
SAMPLE ID	SB-282-0405	SB-282-0910	SB-283-0405	SB-283-0910	SB-284-0405	SB-284-0910	SB-285-0405	SB-285-0910	SB-286-0405
SAMPLE DATE	20051026	20051026	20051027	20051027	20051027	20051027	20051027	20051027	20051027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	4
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	380 U	240 J	400 U	390 U	470 U	390 U	1200	650	440 U
DIBENZO(A,H)ANTHRACENE	380 U	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U
FLUORANTHENE	380 U	430	110 J	390 U	140 J	390 U	1400	820	440 U
FLUORENE	380 U	380 U	400 U	390 U	210 J	390 U	480	280 J	440 U
INDENO(1,2,3-CD)PYRENE	380 U	380 U	400 U	390 U	470 U	390 U	590	330 J	440 U
NAPHTHALENE	380 U	380 U	400 U	390 U	250 J	390 U	1200	460	440 U
PHENANTHRENE	380 U	530	120 J	390 U	570	390 U	2200	1300	440 U
PYRENE	380 U	720	180 J	390 U	220 J	390 U	2900	1700	440 U
TOTAL PAHS	0 U	2607	410	0 U	1910	0 U	15910	8576	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	20 U	8.6 U	20 U	20 U	24 U	20 U	21 U	20 U	23 U
AROCLOR-1221	20 U	10 U	20 U	20 U	24 U	20 U	21 U	20 U	23 U
AROCLOR-1232	20 U	6 U	20 U	20 U	24 U	20 U	21 U	20 U	23 U
AROCLOR-1242	20 U	7.7 U	20 U	20 U	24 U	20 U	21 U	20 U	23 U
AROCLOR-1248	20 U	6.6 U	20 U	20 U	24 U	20 U	21 U	20 U	23 U
AROCLOR-1254	20 U	15 U	20 U	20 U	24 U	20 U	21 U	20 U	23 U
AROCLOR-1260	20 U	4.8 U	20 U	20 U	24 U	20 U	21 U	20 U	23 U
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.67 UR	0.34 UR	0.65 UL	0.88 UL	1.18 UL	0.61 UL	1.29 UL	1.34 UL	0.46 UL
ARSENIC	3.5	5.2	1.6 B	7.4	5.3 B	1.9 B	4.9 B	5.2 B	0.54 B
BARIUM	11.6	2.8	22.7	19.7	20	46.6	13.8	41.2	28.9
BERYLLIUM	1.8	0.33 L	0.9	2.1	2.6	2	1.7	2.2	0.51
CADMIUM	0.07 U	0.03 U	0.06 U	0.09 U	0.12 U	0.06 U	0.13 U	0.13 U	0.05 U
CHROMIUM	18.5 K	19.6 K	39.2	27	28.9	24.5	31.4	27	90.4
COBALT	6.7	4	8.4	18.4	8.4	17.5	8.1	7.6	1.8
COPPER	23 K	6.7 K	5 K	14.5	16.2	10.7	14.8	18.2	4.1
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	5.7	3.6	5	9.4	9.3	7.1	6.6	8.9	5.9
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
MOLYBDENUM	0.43 B	0.53 B	0.16 U	0.34	0.19 U	0.15 U	0.33	0.74	0.23 U
NICKEL	17.7	6.8	13.5	43.1	37.2	23.5	22.2	30.9	5.9
SELENIUM	0.59 UL	0.3 UL	0.57 U	0.77 U	1.03 U	0.53 U	1.12 U	1.17 U	0.41 U
SILVER	0.08 U	0.09 U	0.08 UL	0.07 UL	0.1 UL	0.08 UL	0.07 UL	0.07 UL	0.12 UL
THALLIUM	1 U	0.51 U	1.5 B	2 B	2.6 B	1.6 B	1.92 U	1.99 U	1.1 B
VANADIUM	27.2 K	34.4 K	20.4	45.9	43.8	30.6	35.6	42.6	24.6
ZINC	28.1 K	9.5 K	40.2	83.1	65.5	47.3	45.1	79.2	11.8
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-282	SB-282	SB-283	SB-283	SB-284	SB-284	SB-285	SB-285	SB-286
SAMPLE ID	SB-282-0405	SB-282-0910	SB-283-0405	SB-283-0910	SB-284-0405	SB-284-0910	SB-285-0405	SB-285-0910	SB-286-0405
SAMPLE DATE	20051026	20051026	20051027	20051027	20051027	20051027	20051027	20051027	20051027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	4
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	2900 U	2900 U	2700 U	2700 U	3600	2900 U	2800 U	2800 U	2800 U
TPH (C09-C36)	4600 J	130000	19000	4900 B	8700 B	2200 B	200000	54000	4500 B
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	86	87	83	84	70	85	81	84	75
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-286	SB-293	SB-293	SB-294	SB-294	SB-462	SB-462	SB-462	SB-462
SAMPLE ID	SB-286-0910	SB-293-0405	SB-293-0910	SB-294-0405	SB-294-0910	SB-462-0203	SB-462-0304	SB-462-0506	SB-462-0708
SAMPLE DATE	20051027	20051028	20051028	20051028	20051028	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	4	9	4	9	2	3	5	7
BOTTOM DEPTH	10	5	10	5	10	3	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,1-DICHLOROETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,1-DICHLOROETHENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,1-DICHLOROPROPENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	6 UJ	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2-DIBROMOETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2-DICHLOROBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2-DICHLOROETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,2-DICHLOROPROPANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,3-DICHLOROPROPANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
2-BUTANONE	30 UR	30 UR	30 UR	30 UR	31 UR	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
2-CHLOROTOLUENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
2-HEXANONE	30 U	30 UJ	30 U	30 U	31 U	NA	NA	NA	NA
4-CHLOROTOLUENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
4-METHYL-2-PENTANONE	30 U	30 UJ	30 U	30 U	31 U	NA	NA	NA	NA
ACETONE	30 UR	32 J	17 J	37 L	16 J	NA	NA	NA	NA
BENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
BROMOBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
BROMOCHLOROMETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
BROMODICHLOROMETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
BROMOFORM	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
BROMOMETHANE	12 U	12 UJ	12 U	12 U	12 U	NA	NA	NA	NA
CARBON DISULFIDE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
CARBON TETRACHLORIDE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
CHLOROBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
CHLORODIBROMOMETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
CHLOROETHANE	12 U	12 UJ	12 U	12 U	12 U	NA	NA	NA	NA
CHLOROFORM	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
CHLOROMETHANE	12 UJ	12 UJ	12 U	12 U	12 U	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
DIBROMOMETHANE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	12 U	12 UJ	12 U	12 U	12 U	NA	NA	NA	NA
DIISOPROPYL ETHER	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
ETHYLBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
ISOPROPYLBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
M+P-XYLENES	12 U	12 UJ	12 U	12 U	12 U	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	12 U	12 UJ	12 U	12 U	12 U	NA	NA	NA	NA
METHYLENE CHLORIDE	6 B	11 B	9 B	10 B	5 B	NA	NA	NA	NA
NAPHTHALENE	6 J	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
N-BUTYLBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
N-PROPYLBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
O-XYLENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
SEC-BUTYLBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
STYRENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
TERT-BUTYLBENZENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	12 UR	12 UR	12 UR	12 UR	12 UR	NA	NA	NA	NA
TETRACHLOROETHENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
TOLUENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	12 U	12 UJ	12 U	12 U	12 U	NA	NA	NA	NA
TOTAL XYLENES	18 U	18 UJ	18 U	18 U	18 U	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
TRICHLOROETHENE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	12 U	2 J	12 U	12 U	12 U	NA	NA	NA	NA
VINYL ACETATE	6 U	6 UJ	6 U	6 U	6 U	NA	NA	NA	NA

LOCATION	SB-286	SB-293	SB-293	SB-294	SB-294	SB-462	SB-462	SB-462	SB-462
SAMPLE ID	SB-286-0910	SB-293-0405	SB-293-0910	SB-294-0405	SB-294-0910	SB-462-0203	SB-462-0304	SB-462-0506	SB-462-0708
SAMPLE DATE	20051027	20051028	20051028	20051028	20051028	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	4	9	4	9	2	3	5	7
BOTTOM DEPTH	10	5	10	5	10	3	4	6	8
VINYL CHLORIDE	12 U	12 UJ	12 U	12 U	12 U	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
1,2-DICHLOROBENZENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
1,3-DICHLOROBENZENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
1,4-DICHLOROBENZENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
1,4-DIOXANE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2,4-DICHLOROPHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2,4-DINITROPHENOL	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
2,4-DINITROTOLUENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2,6-DINITROTOLUENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2-CHLORONAPHTHALENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2-CHLOROPHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2-METHYLPHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2-NITROANILINE	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
2-NITROPHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
3&4-METHYLPHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
3-NITROANILINE	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
4-CHLOROANILINE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
4-NITROPHENOL	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
BENZOIC ACID	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
BENZYL ALCOHOL	400 UR	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DIBENZOFURAN	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DIETHYL PHTHALATE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
HEXACHLOROBENZENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
HEXACHLOROETHANE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
ISOPHORONE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
NITROBENZENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
PENTACHLOROPHENOL	1000 U	990 U	980 U	980 U	1000 U	NA	NA	NA	NA
PHENOL	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
PYRIDINE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	220 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
2-METHYLNAPHTHALENE	84 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
ACENAPHTHENE	190 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
ACENAPHTHYLENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
ANTHRACENE	290 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	635	400 U	390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	433	400 U	390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	400 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BENZO(A)PYRENE	340 J	400 U	390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	340 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	210 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-286	SB-293	SB-293	SB-294	SB-294	SB-462	SB-462	SB-462	SB-462
SAMPLE ID	SB-286-0910	SB-293-0405	SB-293-0910	SB-294-0405	SB-294-0910	SB-462-0203	SB-462-0304	SB-462-0506	SB-462-0708
SAMPLE DATE	20051027	20051028	20051028	20051028	20051028	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	4	9	4	9	2	3	5	7
BOTTOM DEPTH	10	5	10	5	10	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	490	400 U	390 U	390 U	400 U	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	400 U	400 U	390 U	390 U	400 U	NA	NA	NA	NA
FLUORANTHENE	620	400 U	390 U	390 U	400 U	NA	NA	NA	NA
FLUORENE	250 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	190 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
NAPHTHALENE	110 J	400 U	390 U	390 U	400 U	NA	NA	NA	NA
PHENANTHRENE	1300	400 U	390 U	390 U	400 U	NA	NA	NA	NA
PYRENE	1100	400 U	390 U	390 U	400 U	NA	NA	NA	NA
TOTAL PAHS	5914	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	21 U	20 U	20 UJ	20 U	21 U	NA	NA	NA	NA
AROCLOR-1221	21 U	20 U	20 UJ	20 U	21 U	NA	NA	NA	NA
AROCLOR-1232	21 U	20 U	20 UJ	20 U	21 U	NA	NA	NA	NA
AROCLOR-1242	21 U	20 U	20 UJ	20 U	21 U	NA	NA	NA	NA
AROCLOR-1248	21 U	20 U	20 UJ	20 U	21 U	NA	NA	NA	NA
AROCLOR-1254	21 U	20 U	20 UJ	20 U	21 U	NA	NA	NA	NA
AROCLOR-1260	21 U	20 U	20 UJ	20 U	21 U	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	0 U	0 U	0 U	0 U	0 U	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	0.37 UL	0.36 U	0.31 U	0.44 U	0.43 U	NA	NA	NA	NA
ARSENIC	0.77 B	2.7	1.7	2.4	3.4	NA	NA	NA	NA
BARIUM	17.5	11.7	2.9	8.7	11	NA	NA	NA	NA
BERYLLIUM	0.34	0.48	0.14 B	0.31 B	0.37 B	NA	NA	NA	NA
CADMIUM	0.04 U	0.38 U	0.33 U	0.46 U	0.45 U	NA	NA	NA	NA
CHROMIUM	54.1	12.6	7.5	9.4	16.6	NA	NA	NA	NA
COBALT	3	3.3	1.8	2.6	3	NA	NA	NA	NA
COPPER	2.3 B	8.3	6.6	5.3	9.3	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	1.8	3.7	1.6	2.6	3.5	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.01 U	0.02	0.01 U	0.01	0.01 U	0.21	0.019 U	0.021 U	0.02 U
MOLYBDENUM	0.28	0.46	0.17	0.3 K	1.2	NA	NA	NA	NA
NICKEL	2.7	5.2	3	3.4	5.1	NA	NA	NA	NA
SELENIUM	0.32 U	0.31 UL	0.27 UL	0.38 U	0.37 U	NA	NA	NA	NA
SILVER	0.09 UL	0.38 UL	0.44 L	0.47 UL	0.46 UL	NA	NA	NA	NA
THALLIUM	0.76 B	0.53 U	0.47 U	0.65 U	0.64 U	NA	NA	NA	NA
VANADIUM	5.7	28.6	13.7	17.8	26.3	NA	NA	NA	NA
ZINC	21	11.9	4	9	10.5	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-286	SB-293	SB-293	SB-294	SB-294	SB-462	SB-462	SB-462	SB-462
SAMPLE ID	SB-286-0910	SB-293-0405	SB-293-0910	SB-294-0405	SB-294-0910	SB-462-0203	SB-462-0304	SB-462-0506	SB-462-0708
SAMPLE DATE	20051027	20051028	20051028	20051028	20051028	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	4	9	4	9	2	3	5	7
BOTTOM DEPTH	10	5	10	5	10	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	6100	9000	2800 U	2800 U	2900 U	NA	NA	NA	NA
TPH (C09-C36)	110000	2900 J	3800 J	6000 U	6100 U	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	87.1	87.1	79.1	81.5
TOTAL SOLIDS	82	83	84	84	81	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-463	SB-463	SB-463	SB-463	SB-464	SB-464	SB-464	SB-464	SB-465
SAMPLE ID	SB-463-0203	SB-463-0304	SB-463-0506	SB-463-0708	SB-464-0203	SB-464-0304	SB-464-0506	SB-464-0708	SB-465-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-463	SB-463	SB-463	SB-463	SB-464	SB-464	SB-464	SB-464	SB-465
SAMPLE ID	SB-463-0203	SB-463-0304	SB-463-0506	SB-463-0708	SB-464-0203	SB-464-0304	SB-464-0506	SB-464-0708	SB-465-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.8 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U
BAP EQUIVALENT-POS	1.8 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.8 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-463	SB-463	SB-463	SB-463	SB-464	SB-464	SB-464	SB-464	SB-465
SAMPLE ID	SB-463-0203	SB-463-0304	SB-463-0506	SB-463-0708	SB-464-0203	SB-464-0304	SB-464-0506	SB-464-0708	SB-465-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.063	0.021 U	0.021 U	0.021 U	0.019 U	0.021 U	0.021 U	0.02 U	0.019 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-463	SB-463	SB-463	SB-463	SB-464	SB-464	SB-464	SB-464	SB-465
SAMPLE ID	SB-463-0203	SB-463-0304	SB-463-0506	SB-463-0708	SB-464-0203	SB-464-0304	SB-464-0506	SB-464-0708	SB-465-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	73.9	78.8	81.1	80	89.4	81	79.3	84.7	89.9
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-465	SB-465	SB-465	SB-466	SB-466	SB-466	SB-466	SB-467	SB-467
SAMPLE ID	SB-465-0304	SB-465-0506	SB-465-0708	SB-466-0203	SB-466-0304	SB-466-0506	SB-466-0708	SB-467-0203	SB-467-0304
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-465	SB-465	SB-465	SB-466	SB-466	SB-466	SB-466	SB-467	SB-467
SAMPLE ID	SB-465-0304	SB-465-0506	SB-465-0708	SB-466-0203	SB-466-0304	SB-466-0506	SB-466-0708	SB-467-0203	SB-467-0304
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1.5 U	1.4 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.6 U	1.5 U	1.4 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.6 UJ	1.5 U	1.4 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-465	SB-465	SB-465	SB-466	SB-466	SB-466	SB-466	SB-467	SB-467
SAMPLE ID	SB-465-0304	SB-465-0506	SB-465-0708	SB-466-0203	SB-466-0304	SB-466-0506	SB-466-0708	SB-467-0203	SB-467-0304
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 U	0.02 U	0.02 U	0.019 U	0.019 U	0.02 U	0.02 U	0.019 U	0.019 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-465	SB-465	SB-465	SB-466	SB-466	SB-466	SB-466	SB-467	SB-467
SAMPLE ID	SB-465-0304	SB-465-0506	SB-465-0708	SB-466-0203	SB-466-0304	SB-466-0506	SB-466-0708	SB-467-0203	SB-467-0304
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	84.7	83.9	84.2	89.8	88.6	82.9	84.4	88.6	88.5
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-467	SB-467	SB-468	SB-468	SB-468	SB-468	SB-469	SB-469	SB-469
SAMPLE ID	SB-467-0506	SB-467-0708	SB-468-0203	SB-468-0304	SB-468-0506	SB-468-0708	SB-469-0203	SB-469-0304	SB-469-0506
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-467	SB-467	SB-468	SB-468	SB-468	SB-468	SB-469	SB-469	SB-469
SAMPLE ID	SB-467-0506	SB-467-0708	SB-468-0203	SB-468-0304	SB-468-0506	SB-468-0708	SB-469-0203	SB-469-0304	SB-469-0506
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-467	SB-467	SB-468	SB-468	SB-468	SB-468	SB-469	SB-469	SB-469
SAMPLE ID	SB-467-0506	SB-467-0708	SB-468-0203	SB-468-0304	SB-468-0506	SB-468-0708	SB-469-0203	SB-469-0304	SB-469-0506
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-467	SB-467	SB-468	SB-468	SB-468	SB-468	SB-469	SB-469	SB-469
SAMPLE ID	SB-467-0506	SB-467-0708	SB-468-0203	SB-468-0304	SB-468-0506	SB-468-0708	SB-469-0203	SB-469-0304	SB-469-0506
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	83.6	86.4	85.5	85.1	83.9	84.6	87.4	82.2	83.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-469	SB-620	SB-620	SB-620	SB-620	SB-621	SB-621	SB-622	SB-622
SAMPLE ID	SB-469-0708	H-SB-620-5	H-SB-620-6	H-SB-620-6-AVG	H-SB-620-6-D	H-SB-621-5	H-SB-621-6	H-SB-622-5	H-SB-622-6
SAMPLE DATE	20071023	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	5	6	6	6	5	6	5	6
BOTTOM DEPTH	8	5	6	6	6	5	6	5	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-469	SB-620	SB-620	SB-620	SB-620	SB-621	SB-621	SB-622	SB-622
SAMPLE ID	SB-469-0708	H-SB-620-5	H-SB-620-6	H-SB-620-6-AVG	H-SB-620-6-D	H-SB-621-5	H-SB-621-6	H-SB-622-5	H-SB-622-6
SAMPLE DATE	20071023	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	5	6	6	6	5	6	5	6
BOTTOM DEPTH	8	5	6	6	6	5	6	5	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	23	1.5 U	1.5 U	1.5 U	22	1.5 U	3.5	1.5 U
BAP EQUIVALENT-POS	1.5 U	22	1.5 U	1.5 U	1.5 U	21	1.5 U	2.0	1.5 U
BENZO(A)ANTHRACENE	NA	21	1.1 U	1.1 U	1.1 U	17	1.1 U	11	1.1 U
BENZO(A)PYRENE	1.5 U	17	1.5 U	1.5 U	1.5 U	16	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	20	1.4 U	1.4 U	1.4 U	14	1.4 U	8.4	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	2 U	2 U	2 U	2 U	2 U	1.9 U	2 U	1.9 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-469	SB-620	SB-620	SB-620	SB-620	SB-621	SB-621	SB-622	SB-622
SAMPLE ID	SB-469-0708	H-SB-620-5	H-SB-620-6	H-SB-620-6-AVG	H-SB-620-6-D	H-SB-621-5	H-SB-621-6	H-SB-622-5	H-SB-622-6
SAMPLE DATE	20071023	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	5	6	6	6	5	6	5	6
BOTTOM DEPTH	8	5	6	6	6	5	6	5	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	24	1.1 U	1.05 U	1 U	18	1 U	11	1 U
DIBENZO(A,H)ANTHRACENE	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	7.9	1.8 U	1.75 U	1.7 U	18	1.7 U	1.7 U	1.7 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	89.9	0 U	0 U	0 U	83	0 U	30.4	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 U	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-469	SB-620	SB-620	SB-620	SB-620	SB-621	SB-621	SB-622	SB-622
SAMPLE ID	SB-469-0708	H-SB-620-5	H-SB-620-6	H-SB-620-6-AVG	H-SB-620-6-D	H-SB-621-5	H-SB-621-6	H-SB-622-5	H-SB-622-6
SAMPLE DATE	20071023	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	5	6	6	6	5	6	5	6
BOTTOM DEPTH	8	5	6	6	6	5	6	5	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	84.6	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-623	SB-623	SB-814	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815
SAMPLE ID	H-SB-623-5	H-SB-623-6	H-SB-814-03	H-SB-814-05	H-SB-814-07	H-SB-814-09	H-SB-815-03	H-SB-815-05	H-SB-815-07
SAMPLE DATE	20090928	20090928	20100826	20100826	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	3	5	7	9	3	5	7
BOTTOM DEPTH	5	6	3	5	7	9	3	5	7
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-623	SB-623	SB-814	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815
SAMPLE ID	H-SB-623-5	H-SB-623-6	H-SB-814-03	H-SB-814-05	H-SB-814-07	H-SB-814-09	H-SB-815-03	H-SB-815-05	H-SB-815-07
SAMPLE DATE	20090928	20090928	20100826	20100826	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	3	5	7	9	3	5	7
BOTTOM DEPTH	5	6	3	5	7	9	3	5	7
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	3.9 U	3.7 U	3.9 U	40	3.5 U	3.9 U	3.9 U
2-METHYLNAPHTHALENE	NA	NA	3.9 U	3.7 U	3.9 U	37	3.5 U	3.9 U	3.9 U
ACENAPHTHENE	NA	NA	3.9 U	3.7 U	3.9 U	34	3.5 U	3.9 U	3.9 U
ACENAPHTHYLENE	NA	NA	3.9 U	3.7 U	3.9 U	100	3.5 U	3.9 U	3.9 U
ANTHRACENE	NA	NA	3.9 U	3.7 U	3.9 U	170	3.5 U	3.9 U	3.9 U
BAP EQUIVALENT-HALFND	34	44	3.9 U	3.7 U	3.9 U	722	3.5 U	11	3.9 U
BAP EQUIVALENT-POS	33	43	3.9 U	3.7 U	3.9 U	722	3.5 U	8.7	3.9 U
BENZO(A)ANTHRACENE	22	26	3.9 U	3.7 U	3.9 U	470	3.5 U	3.9 U	3.9 U
BENZO(A)PYRENE	27	35	3.9 U	3.7 U	3.9 U	520	3.5 U	8.7	3.9 U
BENZO(B)FLUORANTHENE	25	34	3.9 U	3.7 U	3.9 U	480	3.5 U	3.9 U	3.9 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	3.9 U	3.7 U	3.9 U	360	3.5 U	3.9 U	3.9 U
BENZO(K)FLUORANTHENE	13	16	3.9 U	3.7 U	3.9 U	250	3.5 U	3.9 U	3.9 U
C1-CHRYSENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA

LOCATION	SB-623	SB-623	SB-814	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815
SAMPLE ID	H-SB-623-5	H-SB-623-6	H-SB-814-03	H-SB-814-05	H-SB-814-07	H-SB-814-09	H-SB-815-03	H-SB-815-05	H-SB-815-07
SAMPLE DATE	20090928	20090928	20100826	20100826	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	3	5	7	9	3	5	7
BOTTOM DEPTH	5	6	3	5	7	9	3	5	7
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	78 U	NA	NA	NA	NA
CHRYSENE	26	34	1.3 UJ	1.2 UJ	1.3 UJ	510	1.2 UJ	1.3 UJ	1.3 UJ
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	3.9 U	3.7 U	3.9 U	76	3.5 U	3.9 U	3.9 U
FLUORANTHENE	NA	NA	3.9 U	3.7 U	3.9 U	720	3.5 U	10	3.9 U
FLUORENE	NA	NA	3.9 U	3.7 U	3.9 U	63	3.5 U	3.9 U	3.9 U
INDENO(1,2,3-CD)PYRENE	15	21	3.9 U	3.7 U	3.9 U	280	3.5 U	3.9 U	3.9 U
NAPHTHALENE	NA	NA	3.9 U	3.7 U	3.9 U	28	3.5 U	3.9 U	3.9 U
PHENANTHRENE	NA	NA	3.9 U	3.7 U	3.9 U	460	3.5 U	3.9 U	3.9 U
PYRENE	NA	NA	3.9 U	3.7 U	3.9 U	1400	3.5 U	16	3.9 U
TOTAL PAHS	128	166	0 U	0 U	0 U	5958	0 U	34.7	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-623	SB-623	SB-814	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815
SAMPLE ID	H-SB-623-5	H-SB-623-6	H-SB-814-03	H-SB-814-05	H-SB-814-07	H-SB-814-09	H-SB-815-03	H-SB-815-05	H-SB-815-07
SAMPLE DATE	20090928	20090928	20100826	20100826	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	3	5	7	9	3	5	7
BOTTOM DEPTH	5	6	3	5	7	9	3	5	7
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-815	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-817	SB-817
SAMPLE ID	H-SB-815-09	H-SB-816-03	H-SB-816-03-AVG	H-SB-816-03-D	H-SB-816-05	H-SB-816-07	H-SB-816-09	H-SB-817-03	H-SB-817-05
SAMPLE DATE	20100826	20100827	20100827	20100827	20100827	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3	5
BOTTOM DEPTH	9	3	3	3	5	7	9	3	5
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-815	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-817	SB-817
SAMPLE ID	H-SB-815-09	H-SB-816-03	H-SB-816-03-AVG	H-SB-816-03-D	H-SB-816-05	H-SB-816-07	H-SB-816-09	H-SB-817-03	H-SB-817-05
SAMPLE DATE	20100826	20100827	20100827	20100827	20100827	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3	5
BOTTOM DEPTH	9	3	3	3	5	7	9	3	5
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	3.7 U	4 U
2-METHYLNAPHTHALENE	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	3.7 U	4 U
ACENAPHTHENE	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	30 J	3.7 UJ	4 UJ
ACENAPHTHYLENE	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	3.7 U	4 U
ANTHRACENE	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	34 J	3.7 UJ	4 UJ
BAP EQUIVALENT-HALFND	58	3.7 U	3.75 U	3.8 U	25	3.8 U	79	3.7 U	38
BAP EQUIVALENT-POS	56	3.7 U	3.75 U	3.8 U	23	3.8 U	77	3.7 U	36
BENZO(A)ANTHRACENE	38	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	42	3.7 U	16
BENZO(A)PYRENE	45	3.7 UJ	3.75 U	3.8 UJ	23 J	3.8 UJ	62 J	3.7 UJ	32 J
BENZO(B)FLUORANTHENE	45	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	61 J	3.7 UJ	21 J
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	40	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	56 J	3.7 UJ	4 UJ
BENZO(K)FLUORANTHENE	23	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	26 J	3.7 UJ	4 UJ
C1-CHRYSENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA

LOCATION	SB-815	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-817	SB-817
SAMPLE ID	H-SB-815-09	H-SB-816-03	H-SB-816-03-AVG	H-SB-816-03-D	H-SB-816-05	H-SB-816-07	H-SB-816-09	H-SB-817-03	H-SB-817-05
SAMPLE DATE	20100826	20100827	20100827	20100827	20100827	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3	5
BOTTOM DEPTH	9	3	3	3	5	7	9	3	5
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	77 U	NA	NA	NA
CHRYSENE	43 J	1.2 U	1.25 U	1.3 U	1.3 U	1.3 U	48	1.2 U	14
DIBENZO(A,H)ANTHRACENE	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	4.1 UJ	3.7 UJ	4 UJ
FLUORANTHENE	54	3.7 UJ	3.75 U	3.8 UJ	24 J	3.8 UJ	81 J	3.7 UJ	33 J
FLUORENE	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	32 J	3.7 UJ	4 UJ
INDENO(1,2,3-CD)PYRENE	27	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	47 J	3.7 UJ	4 UJ
NAPHTHALENE	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	3.7 U	4 U
PHENANTHRENE	28	3.7 UJ	3.75 U	3.8 UJ	16 J	3.8 UJ	77 J	3.7 UJ	4 UJ
PYRENE	88	3.7 U	3.75 U	3.8 U	15	3.8 U	110	3.7 U	36
TOTAL PAHS	431	0 U	0 U	0 U	78	0 U	706	0 U	152
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-815	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-817	SB-817
SAMPLE ID	H-SB-815-09	H-SB-816-03	H-SB-816-03-AVG	H-SB-816-03-D	H-SB-816-05	H-SB-816-07	H-SB-816-09	H-SB-817-03	H-SB-817-05
SAMPLE DATE	20100826	20100827	20100827	20100827	20100827	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3	5
BOTTOM DEPTH	9	3	3	3	5	7	9	3	5
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-817	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-817-07	H-SB-817-07-AVG	H-SB-817-07-D	H-SB-817-09
SAMPLE DATE	20100827	20100827	20100827	20100827
SAMPLE CODE	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	7	7	7	9
BOTTOM DEPTH	7	7	7	9
VOLATILES (UG/KG)				
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA

LOCATION	SB-817	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-817-07	H-SB-817-07-AVG	H-SB-817-07-D	H-SB-817-09
SAMPLE DATE	20100827	20100827	20100827	20100827
SAMPLE CODE	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	7	7	7	9
BOTTOM DEPTH	7	7	7	9
VINYL CHLORIDE	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)				
1,1-BIPHENYL	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	3.8 U	3.8 U	3.8 U	3.9 U
2-METHYLNAPHTHALENE	3.8 U	3.8 U	3.8 U	3.9 U
ACENAPHTHENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
ACENAPHTHYLENE	3.8 U	3.8 U	3.8 U	3.9 U
ANTHRACENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BAP EQUIVALENT-HALFND	3.8 U	3.8 U	3.8 U	3.9 U
BAP EQUIVALENT-POS	3.8 U	3.8 U	3.8 U	3.9 U
BENZO(A)ANTHRACENE	3.8 U	3.8 U	3.8 U	3.9 U
BENZO(A)PYRENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(B)FLUORANTHENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(K)FLUORANTHENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
C1-CHRYSENES	NA	NA	NA	NA

LOCATION	SB-817	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-817-07	H-SB-817-07-AVG	H-SB-817-07-D	H-SB-817-09
SAMPLE DATE	20100827	20100827	20100827	20100827
SAMPLE CODE	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	7	7	7	9
BOTTOM DEPTH	7	7	7	9
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
CHRYSENE	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
FLUORANTHENE	3.8 UJ	3.8 U	3.8 UJ	21 J
FLUORENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
INDENO(1,2,3-CD)PYRENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
NAPHTHALENE	3.8 U	3.8 U	3.8 U	3.9 U
PHENANTHRENE	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
PYRENE	3.8 U	3.8 U	3.8 U	11
TOTAL PAHS	0 U	0 U	0 U	32
PESTICIDES/PCBS (UG/KG)				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA
METALS (MG/KG)				
ANTIMONY	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA
COBALT	NA	NA	NA	NA
COPPER	NA	NA	NA	NA
IRON	NA	NA	NA	NA
LEAD	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA
SILVER	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA
ZINC	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)				

LOCATION	SB-817	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-817-07	H-SB-817-07-AVG	H-SB-817-07-D	H-SB-817-09
SAMPLE DATE	20100827	20100827	20100827	20100827
SAMPLE CODE	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	7	7	7	9
BOTTOM DEPTH	7	7	7	9
DIESEL RANGE ORGANICS	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)				
PH	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)				
ACTINIUM-228	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA

LOCATION	SB-470	SB-470	SB-470	SB-470	SB-471	SB-471	SB-471	SB-471	SB-472
SAMPLE ID	SB-470-0203	SB-470-0304	SB-470-0506	SB-470-0708	SB-471-0203	SB-471-0304	SB-471-0506	SB-471-0708	SB-472-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-470	SB-470	SB-470	SB-470	SB-471	SB-471	SB-471	SB-471	SB-472
SAMPLE ID	SB-470-0203	SB-470-0304	SB-470-0506	SB-470-0708	SB-471-0203	SB-471-0304	SB-471-0506	SB-471-0708	SB-472-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.5 U	1.6 U	1.6 U	21	1.6 U	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.5 U	1.6 U	1.6 U	21	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.5 U	1.6 U	1.6 U	21 J	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-470	SB-470	SB-470	SB-470	SB-471	SB-471	SB-471	SB-471	SB-472
SAMPLE ID	SB-470-0203	SB-470-0304	SB-470-0506	SB-470-0708	SB-471-0203	SB-471-0304	SB-471-0506	SB-471-0708	SB-472-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	21	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.023 L	0.019 UL	0.02 UL	0.02 UL	0.021 UL	0.021 UL	0.02 UL	0.02 UL	0.019 UL
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-470	SB-470	SB-470	SB-470	SB-471	SB-471	SB-471	SB-471	SB-472
SAMPLE ID	SB-470-0203	SB-470-0304	SB-470-0506	SB-470-0708	SB-471-0203	SB-471-0304	SB-471-0506	SB-471-0708	SB-472-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	88.5	86.8	82.3	83.7	81.1	80.7	82.7	83.7	86.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-472	SB-472	SB-472	SB-473	SB-473	SB-473	SB-473	SB-474	SB-474
SAMPLE ID	SB-472-0304	SB-472-0506	SB-472-0708	SB-473-0203	SB-473-0304	SB-473-0506	SB-473-0708	SB-474-0203	SB-474-0304
SAMPLE DATE	20071023	20071023	20071023	20071024	20071024	20071024	20071024	20071024	20071024
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-472	SB-472	SB-472	SB-473	SB-473	SB-473	SB-473	SB-474	SB-474
SAMPLE ID	SB-472-0304	SB-472-0506	SB-472-0708	SB-473-0203	SB-473-0304	SB-473-0506	SB-473-0708	SB-474-0203	SB-474-0304
SAMPLE DATE	20071023	20071023	20071023	20071024	20071024	20071024	20071024	20071024	20071024
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31	490
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31	490
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31 J	490
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-472	SB-472	SB-472	SB-473	SB-473	SB-473	SB-473	SB-474	SB-474
SAMPLE ID	SB-472-0304	SB-472-0506	SB-472-0708	SB-473-0203	SB-473-0304	SB-473-0506	SB-473-0708	SB-474-0203	SB-474-0304
SAMPLE DATE	20071023	20071023	20071023	20071024	20071024	20071024	20071024	20071024	20071024
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	31	490
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 UL	0.02 UL	0.02 UJ	0.019 UL	0.02 UL	0.022 UL	0.021 UL	0.025	0.095
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-472	SB-472	SB-472	SB-473	SB-473	SB-473	SB-473	SB-474	SB-474
SAMPLE ID	SB-472-0304	SB-472-0506	SB-472-0708	SB-473-0203	SB-473-0304	SB-473-0506	SB-473-0708	SB-474-0203	SB-474-0304
SAMPLE DATE	20071023	20071023	20071023	20071024	20071024	20071024	20071024	20071024	20071024
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	81.5	83.1	83.2	87.9	85.1	76.1	80.5	86	77.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-474	SB-474	SB-475	SB-475	SB-475	SB-475	SB-476	SB-476	SB-476
SAMPLE ID	SB-474-0506	SB-474-0708	SB-475-0203	SB-475-0304	SB-475-0506	SB-475-0708	SB-476-0203	SB-476-0304	SB-476-0506
SAMPLE DATE	20071024	20071024	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-474	SB-474	SB-475	SB-475	SB-475	SB-475	SB-476	SB-476	SB-476
SAMPLE ID	SB-474-0506	SB-474-0708	SB-475-0203	SB-475-0304	SB-475-0506	SB-475-0708	SB-476-0203	SB-476-0304	SB-476-0506
SAMPLE DATE	20071024	20071024	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.4 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	1.4 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.4 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-474	SB-474	SB-475	SB-475	SB-475	SB-475	SB-476	SB-476	SB-476
SAMPLE ID	SB-474-0506	SB-474-0708	SB-475-0203	SB-475-0304	SB-475-0506	SB-475-0708	SB-476-0203	SB-476-0304	SB-476-0506
SAMPLE DATE	20071024	20071024	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.018 U	0.019 U	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U	0.021 U	0.02 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-474	SB-474	SB-475	SB-475	SB-475	SB-475	SB-476	SB-476	SB-476
SAMPLE ID	SB-474-0506	SB-474-0708	SB-475-0203	SB-475-0304	SB-475-0506	SB-475-0708	SB-476-0203	SB-476-0304	SB-476-0506
SAMPLE DATE	20071024	20071024	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	90.9	86.3	87	81.8	81.4	83.3	85.8	79.9	83.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-476	SB-477	SB-477	SB-477	SB-477	SB-478	SB-478	SB-478	SB-478
SAMPLE ID	SB-476-0708	SB-477-0203	SB-477-0304	SB-477-0506	SB-477-0708	SB-478-0203	SB-478-0304	SB-478-0506	SB-478-0708
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-476	SB-477	SB-477	SB-477	SB-477	SB-478	SB-478	SB-478	SB-478
SAMPLE ID	SB-476-0708	SB-477-0203	SB-477-0304	SB-477-0506	SB-477-0708	SB-478-0203	SB-478-0304	SB-478-0506	SB-478-0708
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.7 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	1.6 U	1.7 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.7 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-476	SB-477	SB-477	SB-477	SB-477	SB-478	SB-478	SB-478	SB-478
SAMPLE ID	SB-476-0708	SB-477-0203	SB-477-0304	SB-477-0506	SB-477-0708	SB-478-0203	SB-478-0304	SB-478-0506	SB-478-0708
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 U	0.021 U	0.021 U	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

LOCATION	SB-476	SB-477	SB-477	SB-477	SB-477	SB-478	SB-478	SB-478	SB-478
SAMPLE ID	SB-476-0708	SB-477-0203	SB-477-0304	SB-477-0506	SB-477-0708	SB-478-0203	SB-478-0304	SB-478-0506	SB-478-0708
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	83.6	78.2	79.8	84.6	84.9	87.7	85.1	86.7	83.8
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-479	SB-479	SB-479	SB-479	SB-480	SB-480	SB-480	SB-480	SB-481
SAMPLE ID	SB-479-0203	SB-479-0304	SB-479-0506	SB-479-0708	SB-480-0203	SB-480-0304	SB-480-0506	SB-480-0708	SB-481-0203
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-479	SB-479	SB-479	SB-479	SB-480	SB-480	SB-480	SB-480	SB-481
SAMPLE ID	SB-479-0203	SB-479-0304	SB-479-0506	SB-479-0708	SB-480-0203	SB-480-0304	SB-480-0506	SB-480-0708	SB-481-0203
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-479	SB-479	SB-479	SB-479	SB-480	SB-480	SB-480	SB-480	SB-481
SAMPLE ID	SB-479-0203	SB-479-0304	SB-479-0506	SB-479-0708	SB-480-0203	SB-480-0304	SB-480-0506	SB-480-0708	SB-481-0203
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.019 U	0.02 U	0.02 U	0.019 U	0.019 U	0.019 U	0.02 U	0.019 U	0.21
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-479	SB-479	SB-479	SB-479	SB-480	SB-480	SB-480	SB-480	SB-481
SAMPLE ID	SB-479-0203	SB-479-0304	SB-479-0506	SB-479-0708	SB-480-0203	SB-480-0304	SB-480-0506	SB-480-0708	SB-481-0203
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	85.9	83.8	84.6	85.9	89.5	88.1	84.1	85.6	85.8
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-481	SB-481	SB-481	SB-482	SB-482	SB-482	SB-482	SB-483	SB-483
SAMPLE ID	SB-481-0304	SB-481-0506	SB-481-0708	SB-482-0203	SB-482-0304	SB-482-0506	SB-482-0708	SB-483-0203	SB-483-0304
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-481	SB-481	SB-481	SB-482	SB-482	SB-482	SB-482	SB-483	SB-483
SAMPLE ID	SB-481-0304	SB-481-0506	SB-481-0708	SB-482-0203	SB-482-0304	SB-482-0506	SB-482-0708	SB-483-0203	SB-483-0304
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	10	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	28	1.6 U
BAP EQUIVALENT-POS	10	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	28	1.6 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	10 J	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.6 U	28 J	1.6 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-481	SB-481	SB-481	SB-482	SB-482	SB-482	SB-482	SB-483	SB-483
SAMPLE ID	SB-481-0304	SB-481-0506	SB-481-0708	SB-482-0203	SB-482-0304	SB-482-0506	SB-482-0708	SB-483-0203	SB-483-0304
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	10	0 U	0 U	0 U	0 U	0 U	0 U	28	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.035	0.02 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-481	SB-481	SB-481	SB-482	SB-482	SB-482	SB-482	SB-483	SB-483
SAMPLE ID	SB-481-0304	SB-481-0506	SB-481-0708	SB-482-0203	SB-482-0304	SB-482-0506	SB-482-0708	SB-483-0203	SB-483-0304
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	84.3	82.2	82.6	82.7	85.1	84	82.7	82.9	81.6
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-483	SB-483	SB-484	SB-484	SB-484	SB-484	SB-485	SB-485	SB-485
SAMPLE ID	SB-483-0506	SB-483-0708	SB-484-0203	SB-484-0304	SB-484-0506	SB-484-0708	SB-485-0203	SB-485-0304	SB-485-0506
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-483	SB-483	SB-484	SB-484	SB-484	SB-484	SB-485	SB-485	SB-485
SAMPLE ID	SB-483-0506	SB-483-0708	SB-484-0203	SB-484-0304	SB-484-0506	SB-484-0708	SB-485-0203	SB-485-0304	SB-485-0506
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	43	1.5 U	1.5 U
BAP EQUIVALENT-POS	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	43	1.5 U	1.5 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	43 J	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-483	SB-483	SB-484	SB-484	SB-484	SB-484	SB-485	SB-485	SB-485
SAMPLE ID	SB-483-0506	SB-483-0708	SB-484-0203	SB-484-0304	SB-484-0506	SB-484-0708	SB-485-0203	SB-485-0304	SB-485-0506
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	43	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U	0.02 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-483	SB-483	SB-484	SB-484	SB-484	SB-484	SB-485	SB-485	SB-485
SAMPLE ID	SB-483-0506	SB-483-0708	SB-484-0203	SB-484-0304	SB-484-0506	SB-484-0708	SB-485-0203	SB-485-0304	SB-485-0506
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	83.5	82.9	86.2	82.7	86.5	84.2	88.7	84.4	85
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-485	SB-486	SB-486	SB-486	SB-486	SB-487	SB-487	SB-487	SB-487
SAMPLE ID	SB-485-0708	SB-486-0203	SB-486-0304	SB-486-0506	SB-486-0708	SB-487-0203	SB-487-0304	SB-487-0506	SB-487-0708
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-485	SB-486	SB-486	SB-486	SB-486	SB-487	SB-487	SB-487	SB-487
SAMPLE ID	SB-485-0708	SB-486-0203	SB-486-0304	SB-486-0506	SB-486-0708	SB-487-0203	SB-487-0304	SB-487-0506	SB-487-0708
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U	390 U	390 U
BAP EQUIVALENT-POS	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U	390 U	390 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U	390 U	390 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-485	SB-486	SB-486	SB-486	SB-486	SB-487	SB-487	SB-487	SB-487
SAMPLE ID	SB-485-0708	SB-486-0203	SB-486-0304	SB-486-0506	SB-486-0708	SB-487-0203	SB-487-0304	SB-487-0506	SB-487-0708
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	0.02 U	0.019 U	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U	0.02 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-485	SB-486	SB-486	SB-486	SB-486	SB-487	SB-487	SB-487	SB-487
SAMPLE ID	SB-485-0708	SB-486-0203	SB-486-0304	SB-486-0506	SB-486-0708	SB-487-0203	SB-487-0304	SB-487-0506	SB-487-0708
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	84.8	86.3	84.9	81.3	85.6	82.4	88	83.8	85.3
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-488	SB-488	SB-488	SB-488
SAMPLE ID	SB-488-0203	SB-488-0304	SB-488-0506	SB-488-0708
SAMPLE DATE	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
VOLATILES (UG/KG)				
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA

LOCATION	SB-488	SB-488	SB-488	SB-488
SAMPLE ID	SB-488-0203	SB-488-0304	SB-488-0506	SB-488-0708
SAMPLE DATE	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
VINYL CHLORIDE	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)				
1,1-BIPHENYL	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	370 U	380 U	400 U	390 U
BAP EQUIVALENT-POS	370 U	380 U	400 U	390 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA
BENZO(A)PYRENE	370 U	380 U	400 U	390 UR
BENZO(B)FLUORANTHENE	NA	NA	NA	NA
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA
C1-CHRYSENES	NA	NA	NA	NA

LOCATION	SB-488	SB-488	SB-488	SB-488
SAMPLE ID	SB-488-0203	SB-488-0304	SB-488-0506	SB-488-0708
SAMPLE DATE	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	0 U	0 U
PESTICIDES/PCBS (UG/KG)				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA
METALS (MG/KG)				
ANTIMONY	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA
COBALT	NA	NA	NA	NA
COPPER	NA	NA	NA	NA
IRON	NA	NA	NA	NA
LEAD	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA
MERCURY	0.019 U	0.019 U	0.02 U	0.02 U
MOLYBDENUM	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA
SILVER	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA
ZINC	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)				

LOCATION	SB-488	SB-488	SB-488	SB-488
SAMPLE ID	SB-488-0203	SB-488-0304	SB-488-0506	SB-488-0708
SAMPLE DATE	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
DIESEL RANGE ORGANICS	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	88.5	86.3	82.1	85.2
TOTAL SOLIDS	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)				
PH	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)				
ACTINIUM-228	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA

Table A-27
Summary of Analytical Results for Subsurface Soils, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282
SAMPLE ID				H-SB-282RE-10	H-SB-282RE-3	H-SB-282RE-4	H-SB-282RE-5	H-SB-282RE-6	H-SB-282RE-7	H-SB-282RE-7-AVG	H-SB-282RE-7-D	H-SB-282RE-8	H-SB-282RE-9
SAMPLE DATE				20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				10	3	4	5	6	7	7	7	8	9
BOTTOM DEPTH				10	3	4	5	6	7	7	7	8	9
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1080	149	182	1063	539	180	105	30	71	3534
BAP EQUIVALENT-POS	22	15	C	1080	149	182	1063	539	180	105	30	71	3534
BENZO(A)ANTHRACENE	220	150	C	810	110	140	910	470	160 J	95.5	31 J	58	3300
BENZO(A)PYRENE	22	15	C	700	88	110	670	330	100 J	60.5	21 J	38	2300
BENZO(B)FLUORANTHENE	220	150	C	920	110	120	840	470	160 J	94	28 J	62	3200
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	300	41	68	270	150	60 J	35.5	11 J	12	980
CHRYSENE	22000	15000	C	960	110	160	1000	520	170 J	102.5	35 J	70	3900
DIBENZO(A,H)ANTHRACENE	22	15	C	160	32	37	170	91	39 J	19.875	1.5 UJ	18	430
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	430	64	82	440	220	84 J	54.5	25 J	31	1400
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		4280	555	717	4300	2251	773	462	151	289	15510
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B	SB-282B	SB-282B
SAMPLE ID				H-SB-282REA-3	H-SB-282REA-5	H-SB-282REA-7	H-SB-282REA-9	H-SB-282REA-9-AVG	H-SB-282REA-9-D	H-SB-282REB-3	H-SB-282REB-5	H-SB-282REB-7	H-SB-282REB-9
SAMPLE DATE				20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	9	9	3	5	7	9
BOTTOM DEPTH				3	5	7	9	9	9	3	5	7	9
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	24	1.5 U	1.5 U	1.5 U	1.5 U	3.5	1.6 U	1.5 U	1658
BAP EQUIVALENT-POS	22	15	C	1.5 U	24	1.5 U	1.5 U	1.5 U	1.5 U	1.9	1.6 U	1.5 U	1657
BENZO(A)ANTHRACENE	220	150	C	1.1 U	15	1.1 U	1.1 U	1.1 U	1.1 U	11	1.2 U	1.1 U	2000
BENZO(A)PYRENE	22	15	C	1.5 U	18	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1200
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	18	1.4 U	1.4 U	1.35 U	1.3 U	7.9	1.5 U	1.4 U	1700
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	1.9 U	1.9 U	1.9 U	2 U	2.1 U	2 U	740
CHRYSENE	22000	15000	C	1 U	13	1.1 U	1 U	1 U	1 U	10	1.1 U	1.1 U	2300
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	3.4 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	24	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	1.8 U	770
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	88	0 U	0 U	0 U	0 U	28.9	0 U	0 U	8710
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282D	SB-282D	SB-282D	SB-282D
SAMPLE ID				H-SB-282REC-3	H-SB-282REC-5	H-SB-282REC-7	H-SB-282REC-9	H-SB-282REC-9-AVG	H-SB-282REC-9-D	H-SB-282RED-3	H-SB-282RED-5	H-SB-282RED-7	H-SB-282RED-9
SAMPLE DATE				20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	9	9	9	3	5	7	9
BOTTOM DEPTH				3	5	7	9	9	9	3	5	7	9
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	307
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	307
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	220
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	210
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	210
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	1.9 U	2 U	1.9 U	1.95 U	2 U	1.9 U	2 U	2.1 U	90
CHRYSENE	22000	15000	C	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	230
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	42
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	110
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1112
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-283	SB-283	SB-284	SB-284	SB-474	SB-474	SB-604	SB-604	SB-604	SB-604
SAMPLE ID				H-SB-283RE-3	H-SB-283RE-4	H-SB-284RE-3	H-SB-284RE-4	H-SB-474RE-5	H-SB-474RE-6	H-SB-604-3	H-SB-604-4	H-SB-604-5	H-SB-604-6
SAMPLE DATE				20090924	20090924	20090925	20090925	20090928	20090928	20090924	20090924	20090924	20090924
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	4	3	4	5	6	3	4	5	6
BOTTOM DEPTH				3	4	3	4	5	6	3	4	5	6
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.6 U	13	16	1.5 U	195	1.6 U	364	125
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.6 U	12	15	1.5 U	195	1.6 U	364	124
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.2 U	12	13	1.1 U	130	1.2 U	270	110
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.6 U	10	11	1.5 U	130	1.6 U	260	98
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.5 U	11	8.6	1.4 U	110	1.5 U	260	100
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2 U	2.1 U	2.1 U	7.8	1.9 U	64	2.1 U	91	36
CHRYSENE	22000	15000	C	1 U	1.1 U	1.1 U	12	11	1 U	150	1.1 U	270	110
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	33	1.6 U	37	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	1.9 U	1.8 U	18	1.7 U	68	1.8 U	130	49
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	45	69.4	0 U	685	0 U	1318	503
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-604	SB-604A	SB-604A	SB-604A	SB-604B	SB-604B	SB-604B	SB-604D	SB-604D	SB-604D
SAMPLE ID				H-SB-604-7	H-SB-604A-3	H-SB-604A-5	H-SB-604A-7	H-SB-604B-3	H-SB-604B-5	H-SB-604B-7	H-SB-604D-3	H-SB-604D-3-AVG	H-SB-604D-3-D
SAMPLE DATE				20090924	20091109	20091109	20091109	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	3	5	7	3	5	7	3	3	3
BOTTOM DEPTH				7	3	5	7	3	5	7	3	3	3
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	34	1.6 U	1.5 U	1728	1.5 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	34	1.6 U	1.5 U	1728	1.5 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.2 U	19	1.1 U	1.1 U	1400	1.1 U	1.2 U	1.2 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	28	1.6 U	1.5 U	1200	1.5 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.5 U	16	1.4 U	1.4 U	1200	1.4 U	1.5 U	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.1 U	11	2 U	2 U	530	2 U	2.1 U	2.1 U	2.1 U
CHRYSENE	22000	15000	C	1.1 U	1.1 U	21	1.1 U	1 U	1300	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	210	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.9 U	19	1.8 U	1.7 U	510	1.8 U	1.9 U	1.9 U	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	114	0 U	0 U	6350	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-604D	SB-604D	SB-605	SB-605	SB-606	SB-606	SB-607	SB-607	SB-608	SB-608
SAMPLE ID			H-SB-604D-5	H-SB-604D-7	H-SB-605-3	H-SB-605-4	H-SB-606-3	H-SB-606-4	H-SB-607-3	H-SB-607-4	H-SB-608-3	H-SB-608-4
SAMPLE DATE			20091110	20091110	20090924	20090924	20090924	20090924	20090924	20090924	20090925	20090925
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	7	3	4	3	4	3	4	3	4
BOTTOM DEPTH			5	7	3	4	3	4	3	4	3	4
VOLATILES (UG/KG)												
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.7 U	1.7 U	23	1.5 U	2.6	1.5 U	1.6 U	1.6 U	1.6 U	2.7
BAP EQUIVALENT-POS	22	15 C	1.7 U	1.7 U	23	1.5 U	0.9	1.5 U	1.6 U	1.6 U	1.6 U	0.9
BENZO(A)ANTHRACENE	220	150 C	1.2 U	1.3 U	21	1.1 U	9	1.1 U	1.2 U	1.1 U	1.2 U	9
BENZO(A)PYRENE	22	15 C	1.7 U	1.7 U	17	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	1.6 U	1.6 U	15	1.3 U	1.4 U	1.4 U	1.5 U	1.4 U	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2.2 U	2.3 U	8.3	1.9 U	1.9 U	2 U	2.1 U	2 U	2.1 U	2.1 U
CHRYSENE	22000	15000 C	1.2 U	1.2 U	21	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	1.9 U	2 U	19	1.7 U	1.7 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	101.3	0 U	9	0 U	0 U	0 U	0 U	9
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (8)	12000 N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (9)	2.3 N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23	0.29 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-608	SB-608	SB-609	SB-609	SB-610	SB-610	SB-610	SB-610	SB-610	SB-610B
SAMPLE ID				H-SB-608-4-AVG	H-SB-608-4-D	H-SB-609-3	H-SB-609-4	H-SB-610-3	H-SB-610-4	H-SB-610-5	H-SB-610-6	H-SB-610-7	H-SB-610B-3
SAMPLE DATE				20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20091109
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	4	3	4	3	4	5	6	7	3
BOTTOM DEPTH				4	4	3	4	3	4	5	6	7	3
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.8	1.7 U	20	47	477	62	20	1.6 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	0.9	1.7 U	20	46	477	61	19	1.6 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	4.8	1.2 U	19	44	410	54	22 J	1.1 UJ	1.1 UJ	1.2 U
BENZO(A)PYRENE	22	15	C	1.65 U	1.7 U	16	36	320	47	15 J	1.6 UJ	1.5 UJ	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	16	37	320	50	15 J	1.4 UJ	1.4 UJ	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.15 U	2.2 U	2.1 U	20	140	17	8.7 J	2 UJ	2 UJ	2.1 U
CHRYSENE	22000	15000	C	1.1 U	1.1 U	20	46	400	59	23 J	1.1 UJ	1.1 UJ	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.65 U	1.7 U	1.6 U	1.6 U	66	1.6 U	1.5 UJ	1.6 UJ	1.5 UJ	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.9 U	1.9 U	16	160	37	1.8 UJ	1.8 UJ	1.8 UJ	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		4.5	0 U	71	199	1816	264	83.7	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	36 J	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-610B	SB-610B	SB-610B	SB-610C	SB-610C	SB-610D	SB-610D	SB-611	SB-611	SB-611
SAMPLE ID				H-SB-610B-5	H-SB-610B-5-AVG	H-SB-610B-5-D	H-SB-610C-3	H-SB-610C-5	H-SB-610D-3	H-SB-610D-5	H-SB-611-3	H-SB-611-4	H-SB-611-5
SAMPLE DATE				20091109	20091109	20091109	20091109	20091109	20091109	20091109	20090925	20090925	20090925
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	5	5	3	5	3	5	3	4	5
BOTTOM DEPTH				5	5	5	3	5	3	5	3	4	5
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.55 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	736	1.6 U	10
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.55 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	736	1.6 U	9.3
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.15 U	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	570	1.2 U	11
BENZO(A)PYRENE	22	15	C	1.5 U	1.55 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	520	1.6 U	8.2
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.45 U	1.5 U	1.5 U	1.4 U	1.5 U	1.4 U	520	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.05 U	2.1 U	2.1 U	2 U	2.1 U	2 U	190	2.1 U	2.1 U
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	600	1.1 U	11
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.55 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	80	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	240	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	2720	0 U	30.2
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-611	SB-611	SB-611A	SB-611A	SB-611D	SB-611D	SB-611D	SB-611D	SB-614
SAMPLE ID				H-SB-611-6	H-SB-611-7	H-SB-611A-3	H-SB-611A-5	H-SB-611D-3	H-SB-611D-5	H-SB-611D-5-AVG	H-SB-611D-5-D	H-SB-614-10
SAMPLE DATE				20090925	20090925	20091109	20091109	20091109	20091109	20091109	20091109	20090925
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				6	7	3	5	3	5	5	5	10
BOTTOM DEPTH				6	7	3	5	3	5	5	5	10
VOLATILES (UG/KG)												
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	30	323	1.5 U	1.6 U	1.6 U	1.6 U	5337
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	29	323	1.5 U	1.6 U	1.6 U	1.6 U	5330
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.1 U	17	310	1.1 U	1.2 U	1.2 U	1.2 U	3900
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	24	210	1.5 U	1.6 U	1.6 U	1.6 U	4300
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.4 U	14	270	1.4 U	1.5 U	1.5 U	1.5 U	4100
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2 U	11	90	2 U	2.1 U	2.1 U	2.1 U	1600
CHRYSENE	22000	15000	C	1.1 U	1.1 U	18	330	1.1 U	1.1 U	1.1 U	1.1 U	3600
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.6 U	43	1.5 U	1.6 U	1.6 U	1.6 U	15 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	18	110	1.8 U	1.8 U	1.8 U	1.8 U	2100
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	102	1363	0 U	0 U	0 U	0 U	19600
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		MRC-MW08A	SB-200	SB-200	SB-201	SB-201	SB-202	SB-202	SB-203	SB-203	SB-282
SAMPLE ID				MRC-MW08[0809]	SB-200-05	SB-200-10	SB-201-05	SB-201-10	SB-202-05	SB-202-10	SB-203-05	SB-203-10	SB-282-0405
SAMPLE DATE				20050524	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20051026
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	5	10	5	10	5	10	5	10	4
BOTTOM DEPTH				9	5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	1.1 B	3.3	0.62 B	1.7 B	0.81 B	0.55 B	0.8 B	1.3 B	6 U
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	2.18 U	0.94 J	1.98 U	2.1 U	2.09 U	2.02 U	2.35 U	1.98 U	NA
2-BUTANONE	4700000	2800000	N	NA	8.72 U	2.14 J	7.39 J	5.33 J	4.17 J	8.08 U	9.41 U	7.92 U	29 UR
ACETONE	7000000	6100000	N	NA	12.8 J	12.7 J	111 J	63 J	78 J	4.4 J	9.3 J	30 J	15 B
CARBON DISULFIDE	780000	82000	N	NA	2.2 U	0.68 J	1.9 J	2.1 U	2.1 U	2 U	2.4 U	2 U	6 U
ETHYLBENZENE	780000	5400	C	NA	2.2 U	1.2 J	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U	6 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	4.4 U	4.9	4 U	4.2 U	4.2 U	4 U	4.7 U	4 U	12 U
METHYLENE CHLORIDE	85000	11000	C	NA	4.4 U	4.1 U	4 U	3.8 J	4.2 U	4 U	4.7 U	2.4 J	6 B
NAPHTHALENE	160000	3600	C	NA	28.1	66.4	0.56 J	2.1 U	2.1 U	2 U	2.4 U	2 U	6 U
O-XYLENE	1600000 [4]	380000	N	NA	2.2 U	1.2 J	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U	6 U
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	9 U	5 J	5 J	6 J	8 U	8 U	9 U	6 J	12 UR
TOLUENE	630000	500000	N	NA	2.2 U	3.8	1.5 J	7.6	6.4	5.7	5.4	5.3	6 U
TRICHLOROETHENE	1600	2800	C	NA	2.2 U	1.1 J	2 U	2.7	2.7	2.5	2.5	2.4	6 U
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	2.2 U	2 U	2 U	2.1 U	0.74 J	0.74 J	2.4 U	2 U	12 U
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	791 U	785 U	48.7 J	51 J	795 U	773 U	43.1 J	43 J	960 UJ
DIBENZOFURAN	7800	7800	N	NA	118 U	91 J	117 U	125 U	119 U	115 U	118 U	115 U	380 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	201 U	199 U	38 J	213 U	202 U	196 U	201 U	195 U	380 U
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	118 U	34 J	117 U	125 U	119 U	115 U	118 U	115 U	380 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	41.7 J	452	82.1 U	87.7 U	83 U	80.8 U	82.7 U	80.3 U	380 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	39 J	412	82 U	88 U	83 U	81 U	83 U	80 U	380 U
ACENAPHTHENE	470000	340000	N	NA	36 J	381	82 U	88 U	83 U	81 U	83 U	80 U	380 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	83 U	82 U	82 U	88 U	83 U	81 U	83 U	80 U	380 U
ANTHRACENE	2300000	1700000	N	NA	72 J	595	82 U	88 U	83 U	81 U	83 U	80 U	380 U
BAP EQUIVALENT-HALFND	22	15		NA	165	943	82 U	100	83 U	120	83 U	80 U	380 U
BAP EQUIVALENT-POS	22	15	C	NA	124	943	82 U	2.3	83 U	75	83 U	80 U	380 U
BENZO(A)ANTHRACENE	220	150	C	NA	111	752	82 U	23 J	83 U	54 J	83 U	80 U	380 U
BENZO(A)PYRENE	22	15	C	NA	100	671	82 U	88 U	83 U	63 J	83 U	80 U	380 U
BENZO(B)FLUORANTHENE	220	150	C	NA	61 J	435	82 U	88 U	83 U	61 J	83 U	80 U	380 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	69 J	337	82 U	88 U	83 U	81 U	83 U	80 U	380 U
BENZO(K)FLUORANTHENE	2200	1500	C	NA	78 J	536	82 U	88 U	83 U	55 J	83 U	80 U	380 U
CHRYSENE	22000	15000	C	NA	118	819	82 U	30 J	83 U	63 J	83 U	80 U	380 U
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	83 U	116	82 U	88 U	83 U	81 U	83 U	80 U	380 U
FLUORANTHENE	310000	230000	N	NA	253	1770	82 U	42 J	83 U	86	83 U	80 U	380 U
FLUORENE	310000	230000	N	NA	52 J	507	82 U	88 U	83 U	81 U	83 U	80 U	380 U
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	55 J	311	82 U	88 U	83 U	81 U	83 U	80 U	380 U
NAPHTHALENE	160000	3600	C	NA	83 U	260	82 U	88 U	83 U	81 U	83 U	80 U	380 U
PHENANTHRENE	2300000	170000	N[7]	NA	329	2610	82 U	88 U	83 U	48 J	83 U	80 U	380 U
PYRENE	230000	170000	N	NA	269	1960	82 U	34 J	83 U	128	83 U	80 U	380 U
TOTAL PAHS	NC	NC		NA	1642	12472	0 U	129	0 U	558	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	0.3 U	0.4 U	0.9	0.2 U	0.4 U	0.3 U	0.3 U	0.8	0.67 UR
ARSENIC	0.43	0.39	C	NA	5	4	3	1	4	2	3	4	3.5
BARIUM	1600	1500	N	NA	36	79	26	15	25	20	22	15	11.6
BERYLLIUM	16	16	N	NA	1.9	3.6	0.6	0.6	3.3	4.5	1.6	0.5	1.8
CADMIUM	3.9	7	N	NA	0.1	0.09	0.08	0.04 U	0.2	0.2	0.08	0.09	0.07 U
CHROMIUM	12000 [8]	12000	N[8]	NA	39.4	38.9	18	14.4	31.8	32.1	31.9	20.6	18.5 K
COBALT	NC	2.3	N	NA	27.1	10.8	2.4	8.1	14.9	10.4	30.8	8.3	6.7
COPPER	310	310	N	NA	14	17	10	6	12	10	23	12	23 K
LEAD	400	400		NA	14	17	4 B	5	17	11	13	5	5.7
MERCURY	2.3 [9]	2.3	N[10]	NA	0.02 L	0.01 L	0.24 L	0.17 L	0.002 UR	0.002 UR	0.02 L	0.03 L	0.01 U
MOLYBDENUM	NC	39	N	NA	0.5 U	0.6 U	0.6 U	0.5 B	0.6 U	0.5 U	0.5 U	0.5 U	0.43 B
NICKEL	160	150	N	NA	22	27	5	10	35	33	44	19	17.7
SELENIUM	39	39	N	NA	2 U	3	2 U	3	2 U	2 U	2 U	2 U	0.59 UL
SILVER	39	39	N	NA	0.2 B	0.3 B	0.06 U	0.3 B	0.06 U	0.05 U	0.3 B	0.05 U	0.08 U
VANADIUM	7.8	39	N[11]	NA	45.9	52.9	33.9	25.7	52.2	39.7	49.2	39.2	27.2 K
ZINC	2300	2300	N	NA	44	62	25	30	51	68	55	26	28.1 K
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	64400	173000	11100	30000	3800 B	15900	13000	2400 B	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	13100 U	11800 U	11200 U	15200 U	12300 U	9550 U	10500 U	8550 U	2900 U
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	4600 J
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	86
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	0.4 U	0.4 U	NA	NA	0.4 U	0.3 U	0.78	NA	NA
TOTAL ORGANIC CARBON	NC	NC		1350	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	4.9	5	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282	SB-283	SB-283	SB-284	SB-284	SB-285	SB-285	SB-286	SB-286	SB-293
SAMPLE ID				SB-282-0910	SB-283-0405	SB-283-0910	SB-284-0405	SB-284-0910	SB-285-0405	SB-285-0910	SB-286-0405	SB-286-0910	SB-293-0405
SAMPLE DATE				20051026	20051027	20051027	20051027	20051027	20051027	20051027	20051027	20051027	20051028
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	4	9	4	9	4	9	4	9	4
BOTTOM DEPTH				10	5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		6 U	6 U	6 U	7 U	6 U	0.8 J	6 U	7 U	6 U	6 UJ
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	29 UR	30 UR	30 UR	36 UR	30 UR	31 UR	30 UR	33 UR	30 UR	30 UR
ACETONE	7000000	6100000	N	6 B	14 J	30 UR	7 J	30 UR	13 J	12 J	70 J	30 UR	32 J
CARBON DISULFIDE	780000	82000	N	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
ETHYLBENZENE	780000	5400	C	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
M+P-XYLENES	1600000 [4]	63000	N[5]	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U	12 U	12 UJ
METHYLENE CHLORIDE	85000	11000	C	9 B	3 B	6 U	4 B	4 B	7 B	6 B	8 B	6 B	11 B
NAPHTHALENE	160000	3600	C	6 U	6 U	6 U	3 J	5 J	130	34	12	6 J	6 UJ
O-XYLENE	1600000 [4]	380000	N	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
TERTIARY-BUTYL ALCOHOL	NC	NC		11 UR	12 UR	12 UR	14 UR	12 UR	12 UR	12 UR	13 UR	12 UR	12 UR
TOLUENE	630000	500000	N	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
TRICHLOROETHENE	1600	2800	C	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
TRICHLOROFLUOROMETHANE	NC	79000	N	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U	12 U	2 J
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	940 UJ	990 UJ	970 UJ	1200 UJ	970 UJ	1000 U	980 U	1100 U	1000 U	990 U
DIBENZOFURAN	7800	7800	N	380 U	400 U	390 U	470 U	390 U	110 J	390 U	440 U	400 U	400 U
DI-N-BUTYL PHTHALATE	780000	610000	N	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U	400 U	400 U
N-NITROSODIPHENYLAMINE	130000	99000	C	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U	400 U	400 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	380 U	400 U	390 U	340 J	390 U	700	340 J	440 U	220 J	400 U
2-METHYLNAPHTHALENE	31000	31000	N	380 U	400 U	390 U	260 J	390 U	1100	410	440 U	84 J	400 U
ACENAPHTHENE	470000	340000	N	380 U	400 U	390 U	140 J	390 U	430	240 J	440 U	190 J	400 U
ACENAPHTHYLENE	470000	340000	N[5]	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U	400 U	400 U
ANTHRACENE	2300000	1700000	N	70 J	400 U	390 U	120 J	390 U	580	310 J	440 U	290 J	400 U
BAP EQUIVALENT-HALFND	22	15		397	400 U	390 U	470 U	390 U	1415	899	440 U	635	400 U
BAP EQUIVALENT-POS	22	15	C	188	400 U	390 U	470 U	390 U	1210	704	440 U	433	400 U
BENZO(A)ANTHRACENE	220	150	C	200 J	400 U	390 U	470 U	390 U	900	520	440 U	400 J	400 U
BENZO(A)PYRENE	22	15	C	150 J	400 U	390 U	470 U	390 U	960	560	440 U	340 J	400 U
BENZO(B)FLUORANTHENE	220	150	C	170 J	400 U	390 U	470 U	390 U	960	570	440 U	340 J	400 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	380 U	400 U	390 U	470 U	390 U	650	340 J	440 U	210 J	400 U
BENZO(K)FLUORANTHENE	2200	1500	C	97 J	400 U	390 U	470 U	390 U	360 J	86 J	440 U	400 U	400 U
CHRYSENE	22000	15000	C	240 J	400 U	390 U	470 U	390 U	1200	650	440 U	490	400 U
DIBENZO(A,H)ANTHRACENE	22	15	C	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U	400 U	400 U
FLUORANTHENE	310000	230000	N	430	110 J	390 U	140 J	390 U	1400	820	440 U	620	400 U
FLUORENE	310000	230000	N	380 U	400 U	390 U	210 J	390 U	480	280 J	440 U	250 J	400 U
INDENO(1,2,3-CD)PYRENE	220	150	C	380 U	400 U	390 U	470 U	390 U	590	330 J	440 U	190 J	400 U
NAPHTHALENE	160000	3600	C	380 U	400 U	390 U	250 J	390 U	1200	460	440 U	110 J	400 U
PHENANTHRENE	2300000	170000	N[7]	530	120 J	390 U	570	390 U	2200	1300	440 U	1300	400 U
PYRENE	230000	170000	N	720	180 J	390 U	220 J	390 U	2900	1700	440 U	1100	400 U
TOTAL PAHS	NC	NC		2607	410	0 U	1910	0 U	15910	8576	0 U	5914	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.34 UR	0.65 UL	0.88 UL	1.18 UL	0.61 UL	1.29 UL	1.34 UL	0.46 UL	0.37 UL	0.36 U
ARSENIC	0.43	0.39	C	5.2	1.6 B	7.4	5.3 B	1.9 B	4.9 B	5.2 B	0.54 B	0.77 B	2.7
BARIUM	1600	1500	N	2.8	22.7	19.7	20	46.6	13.8	41.2	28.9	17.5	11.7
BERYLLIUM	16	16	N	0.33 L	0.9	2.1	2.6	2	1.7	2.2	0.51	0.34	0.48
CADMIUM	3.9	7	N	0.03 U	0.06 U	0.09 U	0.12 U	0.06 U	0.13 U	0.13 U	0.05 U	0.04 U	0.38 U
CHROMIUM	12000 [8]	12000	N[8]	19.6 K	39.2	27	28.9	24.5	31.4	27	90.4	54.1	12.6
COBALT	NC	2.3	N	4	8.4	18.4	8.4	17.5	8.1	7.6	1.8	3	3.3
COPPER	310	310	N	6.7 K	5 K	14.5	16.2	10.7	14.8	18.2	4.1	2.3 B	8.3
LEAD	400	400		3.6	5	9.4	9.3	7.1	6.6	8.9	5.9	1.8	3.7
MERCURY	2.3 [9]	2.3	N[10]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.02
MOLYBDENUM	NC	39	N	0.53 B	0.16 U	0.34	0.19 U	0.15 U	0.33	0.74	0.23 U	0.28	0.46
NICKEL	160	150	N	6.8	13.5	43.1	37.2	23.5	22.2	30.9	5.9	2.7	5.2
SELENIUM	39	39	N	0.3 UL	0.57 U	0.77 U	1.03 U	0.53 U	1.12 U	1.17 U	0.41 U	0.32 U	0.31 UL
SILVER	39	39	N	0.09 U	0.08 UL	0.07 UL	0.1 UL	0.08 UL	0.07 UL	0.07 UL	0.12 UL	0.09 UL	0.38 UL
VANADIUM	7.8	39	N[11]	34.4 K	20.4	45.9	43.8	30.6	35.6	42.6	24.6	5.7	28.6
ZINC	2300	2300	N	9.5 K	40.2	83.1	65.5	47.3	45.1	79.2	11.8	21	11.9
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		2900 U	2700 U	2700 U	3600	2900 U	2800 U	2800 U	2800 U	6100	9000
TPH (C09-C36)	NC	NC		130000	19000	4900 B	8700 B	2200 B	200000	54000	4500 B	110000	2900 J
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		87	83	84	70	85	81	84	75	82	83
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-293	SB-294	SB-294	SB-462	SB-462	SB-462	SB-462	SB-463	SB-463	SB-463
SAMPLE ID				SB-293-0910	SB-294-0405	SB-294-0910	SB-462-0203	SB-462-0304	SB-462-0506	SB-462-0708	SB-463-0203	SB-463-0304	SB-463-0506
SAMPLE DATE				20051028	20051028	20051028	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	4	9	2	3	5	7	2	3	5
BOTTOM DEPTH				10	5	10	3	4	6	8	3	4	6
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	30 UR	30 UR	31 UR	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	17 J	37 L	16 J	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	12 U	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	9 B	10 B	5 B	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		12 UR	12 UR	12 UR	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	12 U	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	980 U	980 U	1000 U	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U	1.8 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U	1.8 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U	1.8 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.31 U	0.44 U	0.43 U	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	1.7	2.4	3.4	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	2.9	8.7	11	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	0.14 B	0.31 B	0.37 B	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	0.33 U	0.46 U	0.45 U	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	7.5	9.4	16.6	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	1.8	2.6	3	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	6.6	5.3	9.3	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		1.6	2.6	3.5	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.01 U	0.01	0.01 U	0.21	0.019 U	0.021 U	0.02 U	0.063	0.021 U	0.021 U
MOLYBDENUM	NC	39	N	0.17	0.3 K	1.2	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	3	3.4	5.1	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	0.27 UL	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	0.44 L	0.47 UL	0.46 UL	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	13.7	17.8	26.3	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	4	9	10.5	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		2800 U	2800 U	2900 U	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		3800 J	6000 U	6100 U	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	87.1	87.1	79.1	81.5	73.9	78.8	81.1
TOTAL SOLIDS	NC	NC		84	84	81	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-463	SB-464	SB-464	SB-464	SB-464	SB-465	SB-465	SB-465	SB-465	SB-466
SAMPLE ID				SB-463-0708	SB-464-0203	SB-464-0304	SB-464-0506	SB-464-0708	SB-465-0203	SB-465-0304	SB-465-0506	SB-465-0708	SB-466-0203
SAMPLE DATE				20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH				8	3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U	1.5 U	1.6 U	1.5 U	1.4 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U	1.5 U	1.6 U	1.5 U	1.4 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U	1.5 U	1.6 UJ	1.5 U	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.021 U	0.019 U	0.021 U	0.021 U	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		80	89.4	81	79.3	84.7	89.9	84.7	83.9	84.2	89.8
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-466	SB-466	SB-466	SB-467	SB-467	SB-467	SB-467	SB-468	SB-468	SB-468
SAMPLE ID				SB-466-0304	SB-466-0506	SB-466-0708	SB-467-0203	SB-467-0304	SB-467-0506	SB-467-0708	SB-468-0203	SB-468-0304	SB-468-0506
SAMPLE DATE				20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH				4	6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.019 U	0.02 U	0.02 U	0.019 U	0.019 U	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		88.6	82.9	84.4	88.6	88.5	83.6	86.4	85.5	85.1	83.9
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-468	SB-469	SB-469	SB-469	SB-469	SB-620	SB-620	SB-620	SB-620	SB-621
SAMPLE ID				SB-468-0708	SB-469-0203	SB-469-0304	SB-469-0506	SB-469-0708	H-SB-620-5	H-SB-620-6	H-SB-620-6-AVG	H-SB-620-6-D	H-SB-621-5
SAMPLE DATE				20071023	20071023	20071023	20071023	20071023	20090928	20090928	20090928	20090928	20090928
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	3	5	7	5	6	6	6	5
BOTTOM DEPTH				8	3	4	6	8	5	6	6	6	5
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	**23**	1.5 U	1.5 U	1.5 U	**22**
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	**22**	1.5 U	1.5 U	1.5 U	**21**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	21	1.1 U	1.1 U	1.1 U	17
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	**17**	1.5 U	1.5 U	1.5 U	**16**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	20	1.4 U	1.4 U	1.4 U	14
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	24	1.1 U	1.05 U	1 U	18
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	7.9	1.8 U	1.75 U	1.7 U	18
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	89.9	0 U	0 U	0 U	83
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		84.6	87.4	82.2	83.6	84.6	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-621	SB-622	SB-622	SB-623	SB-623	SB-814	SB-814	SB-814	SB-814	SB-815
SAMPLE ID				H-SB-621-6	H-SB-622-5	H-SB-622-6	H-SB-623-5	H-SB-623-6	H-SB-814-03	H-SB-814-05	H-SB-814-07	H-SB-814-09	H-SB-815-03
SAMPLE DATE				20090928	20090928	20090928	20090928	20090928	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				6	5	6	5	6	3	5	7	9	3
BOTTOM DEPTH				6	5	6	5	6	3	5	7	9	3
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	40	3.5 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	37	3.5 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	34	3.5 U
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	100	3.5 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	170	3.5 U
BAP EQUIVALENT-HALFND	22	15		1.5 U	3.546	1.5 U	34	44	3.9 U	3.7 U	3.9 U	722	3.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.951	1.5 U	33	43	3.9 U	3.7 U	3.9 U	722	3.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	11	1.1 U	22	26	3.9 U	3.7 U	3.9 U	470	3.5 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	27	35	3.9 U	3.7 U	3.9 U	520	3.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	8.4	1.4 U	25	34	3.9 U	3.7 U	3.9 U	480	3.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	360	3.5 U
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2 U	1.9 U	13	16	3.9 U	3.7 U	3.9 U	250	3.5 U
CHRYSENE	22000	15000	C	1 U	11	1 U	26	34	1.3 UJ	1.2 UJ	1.3 UJ	510	1.2 UJ
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.9 U	3.7 U	3.9 U	76	3.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	720	3.5 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	63	3.5 U
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	1.7 U	15	21	3.9 U	3.7 U	3.9 U	280	3.5 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	28	3.5 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	460	3.5 U
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	1400	3.5 U
TOTAL PAHS	NC	NC		0 U	30.4	0 U	128	166	0 U	0 U	0 U	5958	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-815	SB-815	SB-815	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-817
SAMPLE ID			H-SB-815-05	H-SB-815-07	H-SB-815-09	H-SB-816-03	H-SB-816-03-AVG	H-SB-816-03-D	H-SB-816-05	H-SB-816-07	H-SB-816-09	H-SB-817-03
SAMPLE DATE			20100826	20100826	20100826	20100827	20100827	20100827	20100827	20100827	20100827	20100827
SAMPLE CODE			NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	7	9	3	3	3	5	7	9	3
BOTTOM DEPTH			5	7	9	3	3	3	5	7	9	3
VOLATILES (UG/KG)												
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	3.9 U	3.9 U	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	3.7 U
2-METHYLNAPHTHALENE	31000	31000 N	3.9 U	3.9 U	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	3.7 U
ACENAPHTHENE	470000	340000 N	3.9 U	3.9 U	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	30 J	3.7 UJ
ACENAPHTHYLENE	470000	340000 N(9)	3.9 U	3.9 U	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	3.7 U
ANTHRACENE	2300000	1700000 N	3.9 U	3.9 U	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	34 J	3.7 UJ
BAP EQUIVALENT-HALFND	22	15	11	3.9 U	58	3.7 U	3.75 U	3.8 U	25	3.8 U	79	3.7 U
BAP EQUIVALENT-POS	22	15 C	8.7	3.9 U	56	3.7 U	3.75 U	3.8 U	23	3.8 U	77	3.7 U
BENZO(A)ANTHRACENE	220	150 C	3.9 U	3.9 U	38	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	42	3.7 U
BENZO(A)PYRENE	22	15 C	8.7	3.9 U	45	3.7 UJ	3.75 U	3.8 UJ	23 J	3.8 UJ	62 J	3.7 UJ
BENZO(B)FLUORANTHENE	220	150 C	3.9 U	3.9 U	45	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	61 J	3.7 UJ
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	3.9 U	3.9 U	40	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	56 J	3.7 UJ
BENZO(K)FLUORANTHENE	2200	1500 C	3.9 U	3.9 U	23	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	26 J	3.7 UJ
CHRYSENE	22000	15000 C	1.3 UJ	1.3 UJ	43 J	1.2 U	1.25 U	1.3 U	1.3 U	1.3 U	48	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15 C	3.9 U	3.9 U	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	4.1 UJ	3.7 UJ
FLUORANTHENE	310000	230000 N	10	3.9 U	54	3.7 UJ	3.75 U	3.8 UJ	24 J	3.8 UJ	81 J	3.7 UJ
FLUORENE	310000	230000 N	3.9 U	3.9 U	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	32 J	3.7 UJ
INDENO(1,2,3-CD)PYRENE	220	150 C	3.9 U	3.9 U	27	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	47 J	3.7 UJ
NAPHTHALENE	160000	3600 C	3.9 U	3.9 U	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	3.7 U
PHENANTHRENE	2300000	170000 N(7)	3.9 U	3.9 U	28	3.7 UJ	3.75 U	3.8 UJ	16 J	3.8 UJ	77 J	3.7 UJ
PYRENE	230000	170000 N	16	3.9 U	88	3.7 U	3.75 U	3.8 U	15	3.8 U	110	3.7 U
TOTAL PAHS	NC	NC	34.7	0 U	431	0 U	0 U	0 U	78	0 U	706	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (8)	12000 N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (9)	2.3 N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23	0.29 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-817	SB-817	SB-817	SB-817	SB-817
SAMPLE ID				H-SB-817-05	H-SB-817-07	H-SB-817-07-AVG	H-SB-817-07-D	H-SB-817-09
SAMPLE DATE				20100827	20100827	20100827	20100827	20100827
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	7	7	7	9
BOTTOM DEPTH				5	7	7	7	9
VOLATILES (UG/KG)								
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	4 U	3.8 U	3.8 U	3.8 U	3.9 U
2-METHYLNAPHTHALENE	31000	31000	N	4 U	3.8 U	3.8 U	3.8 U	3.9 U
ACENAPHTHENE	470000	340000	N	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
ACENAPHTHYLENE	470000	340000	N[6]	4 U	3.8 U	3.8 U	3.8 U	3.9 U
ANTHRACENE	2300000	1700000	N	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BAP EQUIVALENT-HALFND	22	15		38	3.8 U	3.8 U	3.8 U	3.9 U
BAP EQUIVALENT-POS	22	15	C	36	3.8 U	3.8 U	3.8 U	3.9 U
BENZO(A)ANTHRACENE	220	150	C	16	3.8 U	3.8 U	3.8 U	3.9 U
BENZO(A)PYRENE	22	15	C	32 J	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(B)FLUORANTHENE	220	150	C	21 J	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(K)FLUORANTHENE	2200	1500	C	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
CHRYSENE	22000	15000	C	14	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
FLUORANTHENE	310000	230000	N	33 J	3.8 UJ	3.8 U	3.8 UJ	21 J
FLUORENE	310000	230000	N	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
INDENO(1,2,3-CD)PYRENE	220	150	C	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
NAPHTHALENE	160000	3600	C	4 U	3.8 U	3.8 U	3.8 U	3.9 U
PHENANTHRENE	2300000	170000	N[7]	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
PYRENE	230000	170000	N	36	3.8 U	3.8 U	3.8 U	11
TOTAL PAHS	NC	NC		152	0 U	0 U	0 U	32
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NC	NC		NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-470	SB-470	SB-470	SB-470	SB-471	SB-471	SB-471	SB-471	SB-472	SB-472
SAMPLE ID				SB-470-0203	SB-470-0304	SB-470-0506	SB-470-0708	SB-471-0203	SB-471-0304	SB-471-0506	SB-471-0708	SB-472-0203	SB-472-0304
SAMPLE DATE				20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.6 U	1.6 U	**21**	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	**21**	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	**21 J**	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	21	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.023 L	0.019 UL	0.02 UL	0.02 UL	0.021 UL	0.021 UL	0.02 UL	0.02 UL	0.019 UL	0.02 UL
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		88.5	86.8	82.3	83.7	81.1	80.7	82.7	83.7	86.6	81.5
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-472	SB-472	SB-473	SB-473	SB-473	SB-473	SB-474	SB-474	SB-474	SB-474
SAMPLE ID			SB-472-0506	SB-472-0708	SB-473-0203	SB-473-0304	SB-473-0506	SB-473-0708	SB-474-0203	SB-474-0304	SB-474-0506	SB-474-0708
SAMPLE DATE			20071023	20071023	20071024	20071024	20071024	20071024	20071024	20071024	20071024	20071024
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH			6	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)												
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N(6)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31	490	1.4 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31	490	1.4 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31 J	490	1.4 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N(7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	0 U	31	490	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (8)	12000 N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (9)	2.3 N(10)	0.02 UL	0.02 UJ	0.019 UL	0.02 UL	0.022 UL	0.021 UL	0.025	0.095	0.018 U	0.019 U
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	83.1	83.2	87.9	85.1	76.1	80.5	86	77.6	90.9	86.3
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23	0.29 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-475	SB-475	SB-475	SB-475	SB-476	SB-476	SB-476	SB-476	SB-477	SB-477
SAMPLE ID				SB-475-0203	SB-475-0304	SB-475-0506	SB-475-0708	SB-476-0203	SB-476-0304	SB-476-0506	SB-476-0708	SB-477-0203	SB-477-0304
SAMPLE DATE				20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U	0.021 U	0.02 U	0.02 U	0.021 U	0.021 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		87	81.8	81.4	83.3	85.8	79.9	83.3	83.6	78.2	79.8
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-477	SB-477	SB-478	SB-478	SB-478	SB-478	SB-479	SB-479	SB-479	SB-479
SAMPLE ID				SB-477-0506	SB-477-0708	SB-478-0203	SB-478-0304	SB-478-0506	SB-478-0708	SB-479-0203	SB-479-0304	SB-479-0506	SB-479-0708
SAMPLE DATE				20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U	0.02 U	0.019 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		84.6	84.9	87.7	85.1	86.7	83.8	85.9	83.8	84.6	85.9
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-480	SB-480	SB-480	SB-480	SB-481	SB-481	SB-481	SB-481	SB-482	SB-482
SAMPLE ID			SB-480-0203	SB-480-0304	SB-480-0506	SB-480-0708	SB-481-0203	SB-481-0304	SB-481-0506	SB-481-0708	SB-482-0203	SB-482-0304
SAMPLE DATE			20071025	20071025	20071025	20071025	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH			3	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)												
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10	1.6 U	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15 C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15 C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10 J	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	0 U	0 U	0 U	0 U	0 U	10	0 U	0 U	0 U	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000 N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3 N[10]	0.019 U	0.019 U	0.02 U	0.019 U	0.21	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	89.5	88.1	84.1	85.6	85.8	84.3	82.2	82.6	82.7	85.1
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23	0.29 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-482	SB-482	SB-483	SB-483	SB-483	SB-483	SB-484	SB-484	SB-484	SB-484
SAMPLE ID				SB-482-0506	SB-482-0708	SB-483-0203	SB-483-0304	SB-483-0506	SB-483-0708	SB-484-0203	SB-484-0304	SB-484-0506	SB-484-0708
SAMPLE DATE				20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	28	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	28	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	28 J	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	28	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.02 U	0.02 U	0.035	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		84	82.7	82.9	81.6	83.5	82.9	86.2	82.7	86.5	84.2
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-485	SB-485	SB-485	SB-485	SB-486	SB-486	SB-486	SB-486	SB-487	SB-487
SAMPLE ID				SB-485-0203	SB-485-0304	SB-485-0506	SB-485-0708	SB-486-0203	SB-486-0304	SB-486-0506	SB-486-0708	SB-487-0203	SB-487-0304
SAMPLE DATE				20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		43	1.5 U	1.5 U	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U
BAP EQUIVALENT-POS	22	15	C	43	1.5 U	1.5 U	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	43 J	1.5 U	1.5 U	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		43	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		88.7	84.4	85	84.8	86.3	84.9	81.3	85.6	82.4	88
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-487	SB-487	SB-488	SB-488	SB-488	SB-488
SAMPLE ID				SB-487-0506	SB-487-0708	SB-488-0203	SB-488-0304	SB-488-0506	SB-488-0708
SAMPLE DATE				20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7
BOTTOM DEPTH				6	8	3	4	6	8
VOLATILES (UG/KG)									
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		390 U	390 U	370 U	380 U	400 U	390 U
BAP EQUIVALENT-POS	22	15	C	390 U	390 U	370 U	380 U	400 U	390 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	390 U	390 U	370 U	380 U	400 U	390 UR
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)									
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.02 U	0.02 U	0.019 U	0.019 U	0.02 U	0.02 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NC	NC		83.8	85.3	88.5	86.3	82.1	85.2
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NC	NC		NA	NA	NA	NA	NA	NA

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value is for xylenes.
5 - The value is for xylene, mixture.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - The value is for trivalent chromium.
9 - The value is for mercury (inorganic/mercuric dichloride).
10 - The value is for mercuric chloride.
11 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282 H-SB-282RE-10 20090929 NORMAL SO NORMAL SB 10 10	SB-282 H-SB-282RE-3 20090929 NORMAL SO NORMAL SB 3 3	SB-282 H-SB-282RE-4 20090929 NORMAL SO NORMAL SB 4 4	SB-282 H-SB-282RE-5 20090929 NORMAL SO NORMAL SB 5 5	SB-282 H-SB-282RE-6 20090929 NORMAL SO NORMAL SB 6 6	SB-282 H-SB-282RE-7 20090929 ORIG SO NORMAL SB 7 7	SB-282 H-SB-282RE-7-AVG 20090929 AVG SO NORMAL SB 7 7	SB-282 H-SB-282RE-7-D 20090929 DUP SO NORMAL SB 7 7	SB-282 H-SB-282RE-8 20090929 NORMAL SO NORMAL SB 8 8	SB-282 H-SB-282RE-9 20090929 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1080	149	182	1063	539	180	105	30	71	3534
BAP EQUIVALENT-POS	22	15	C	1080	149	182	1063	539	180	105	30	71	3534
BENZO(A)ANTHRACENE	220	150	C	810	110	140	910	470	160 J	95.5	31 J	58	3300
BENZO(A)PYRENE	22	15	C	700	88	110	670	330	100 J	60.5	21 J	38	2300
BENZO(B)FLUORANTHENE	220	150	C	920	110	120	840	470	160 J	94	28 J	62	3200
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	300	41	68	270	150	60 J	35.5	11 J	12	980
CHRYSENE	22000	15000	C	960	110	160	1000	520	170 J	102.5	35 J	70	3900
DIBENZO(A,H)ANTHRACENE	22	15	C	160	32	37	170	91	39 J	19.875	1.5 UJ	18	430
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	430	64	82	440	220	84 J	54.5	25 J	31	1400
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		4280	555	717	4300	2251	773	462	151	289	15510
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282A H-SB-282REA-3 20091110 NORMAL SO NORMAL SB 3 3	SB-282A H-SB-282REA-5 20091110 NORMAL SO NORMAL SB 5 5	SB-282A H-SB-282REA-7 20091110 NORMAL SO NORMAL SB 7 7	SB-282A H-SB-282REA-9 20091110 ORIG SO NORMAL SB 9 9	SB-282A H-SB-282REA-9-AVG 20091110 AVG SO NORMAL SB 9 9	SB-282A H-SB-282REA-9-D 20091110 DUP SO NORMAL SB 9 9	SB-282B H-SB-282REB-3 20091110 NORMAL SO NORMAL SB 3 3	SB-282B H-SB-282REB-5 20091110 NORMAL SO NORMAL SB 5 5	SB-282B H-SB-282REB-7 20091110 NORMAL SO NORMAL SB 7 7	SB-282B H-SB-282REB-9 20091110 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	24	1.5 U	1.5 U	1.5 U	1.5 U	3.5	1.6 U	1.5 U	1658
BAP EQUIVALENT-POS	22	15	C	1.5 U	24	1.5 U	1.5 U	1.5 U	1.5 U	1.9	1.6 U	1.5 U	1657
BENZO(A)ANTHRACENE	220	150	C	1.1 U	15	1.1 U	1.1 U	1.1 U	1.1 U	11	1.2 U	1.1 U	2000
BENZO(A)PYRENE	22	15	C	1.5 U	18	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1200
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	18	1.4 U	1.4 U	1.35 U	1.3 U	7.9	1.5 U	1.4 U	1700
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	1.9 U	1.9 U	1.9 U	2 U	2.1 U	2 U	740
CHRYSENE	22000	15000	C	1 U	13	1.1 U	1 U	1 U	1 U	10	1.1 U	1.1 U	2300
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	3.4 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	24	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	1.8 U	770
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	88	0 U	0 U	0 U	0 U	28.9	0 U	0 U	8710
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282C H-SB-282REC-3 20091110 NORMAL SO NORMAL SB 3 3	SB-282C H-SB-282REC-5 20091110 NORMAL SO NORMAL SB 5 5	SB-282C H-SB-282REC-7 20091110 NORMAL SO NORMAL SB 7 7	SB-282C H-SB-282REC-9 20091110 ORIG SO NORMAL SB 9 9	SB-282C H-SB-282REC-9-AVG 20091110 AVG SO NORMAL SB 9 9	SB-282C H-SB-282REC-9-D 20091110 DUP SO NORMAL SB 9 9	SB-282D H-SB-282RED-3 20091110 NORMAL SO NORMAL SB 3 3	SB-282D H-SB-282RED-5 20091110 NORMAL SO NORMAL SB 5 5	SB-282D H-SB-282RED-7 20091110 NORMAL SO NORMAL SB 7 7	SB-282D H-SB-282RED-9 20091110 NORMAL SO NORMAL SB 9 9
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	307
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	307
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	220
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	210
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	210
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	1.9 U	2 U	1.9 U	1.95 U	2 U	1.9 U	2 U	2.1 U	90
CHRYSENE	22000	15000	C	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	230
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	42
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	110
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	1112
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-283	SB-283	SB-284	SB-284	SB-474	SB-474	SB-604	SB-604	SB-604	SB-604
SAMPLE ID				H-SB-283RE-3	H-SB-283RE-4	H-SB-284RE-3	H-SB-284RE-4	H-SB-474RE-5	H-SB-474RE-6	H-SB-604-3	H-SB-604-4	H-SB-604-5	H-SB-604-6
SAMPLE DATE				20090924	20090924	20090925	20090925	20090928	20090928	20090924	20090924	20090924	20090924
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	4	3	4	5	6	3	4	5	6
BOTTOM DEPTH				3	4	3	4	5	6	3	4	5	6
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.6 U	13	16	1.5 U	195	1.6 U	364	125
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.6 U	12	15	1.5 U	195	1.6 U	364	124
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	1.2 U	12	13	1.1 U	130	1.2 U	270	110
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.6 U	10	11	1.5 U	130	1.6 U	260	98
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	1.5 U	11	8.6	1.4 U	110	1.5 U	260	100
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2 U	2.1 U	2.1 U	7.8	1.9 U	64	2.1 U	91	36
CHRYSENE	22000	15000	C	1 U	1.1 U	1.1 U	12	11	1 U	150	1.1 U	270	110
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	1.5 U	33	1.6 U	37	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.8 U	1.9 U	1.8 U	18	1.7 U	68	1.8 U	130	49
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	45	69.4	0 U	685	0 U	1318	503
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-604 H-SB-604-7 20090924 NORMAL SO NORMAL SB 7 7	SB-604A H-SB-604A-3 20091109 NORMAL SO NORMAL SB 3 3	SB-604A H-SB-604A-5 20091109 NORMAL SO NORMAL SB 5 5	SB-604A H-SB-604A-7 20091109 NORMAL SO NORMAL SB 7 7	SB-604B H-SB-604B-3 20091110 NORMAL SO NORMAL SB 3 3	SB-604B H-SB-604B-5 20091110 NORMAL SO NORMAL SB 5 5	SB-604B H-SB-604B-7 20091110 NORMAL SO NORMAL SB 7 7	SB-604D H-SB-604D-3 20091110 ORIG SO NORMAL SB 3 3	SB-604D H-SB-604D-3-AVG 20091110 AVG SO NORMAL SB 3 3	SB-604D H-SB-604D-3-D 20091110 DUP SO NORMAL SB 3 3
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	34	1.6 U	1.5 U	1728	1.5 U	1.6 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	34	1.6 U	1.5 U	1728	1.5 U	1.6 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.2 U	19	1.1 U	1.1 U	1400	1.1 U	1.2 U	1.2 U	1.2 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	28	1.6 U	1.5 U	1200	1.5 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.5 U	16	1.4 U	1.4 U	1200	1.4 U	1.5 U	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.1 U	11	2 U	2 U	530	2 U	2.1 U	2.1 U	2.1 U
CHRYSENE	22000	15000	C	1.1 U	1.1 U	21	1.1 U	1 U	1300	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	210	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.9 U	19	1.8 U	1.7 U	510	1.8 U	1.9 U	1.9 U	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	114	0 U	0 U	6350	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-604D	SB-604D	SB-605	SB-605	SB-606	SB-606	SB-607	SB-607	SB-608	SB-608
SAMPLE ID				H-SB-604D-5	H-SB-604D-7	H-SB-605-3	H-SB-605-4	H-SB-606-3	H-SB-606-4	H-SB-607-3	H-SB-607-4	H-SB-608-3	H-SB-608-4
SAMPLE DATE				20091110	20091110	20090924	20090924	20090924	20090924	20090924	20090924	20090925	20090925
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	3	4	3	4	3	4	3	4
BOTTOM DEPTH				5	7	3	4	3	4	3	4	3	4
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.7 U	1.7 U	23	1.5 U	2.6	1.5 U	1.6 U	1.6 U	1.6 U	2.7
BAP EQUIVALENT-POS	22	15	C	1.7 U	1.7 U	23	1.5 U	0.9	1.5 U	1.6 U	1.6 U	1.6 U	0.9
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.3 U	21	1.1 U	9	1.1 U	1.2 U	1.1 U	1.2 U	9
BENZO(A)PYRENE	22	15	C	1.7 U	1.7 U	17	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.6 U	1.6 U	15	1.3 U	1.4 U	1.4 U	1.5 U	1.4 U	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.2 U	2.3 U	8.3	1.9 U	1.9 U	2 U	2.1 U	2 U	2.1 U	2.1 U
CHRYSENE	22000	15000	C	1.2 U	1.2 U	21	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.7 U	1.7 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	2 U	19	1.7 U	1.7 U	1.7 U	1.9 U	1.8 U	1.9 U	1.9 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	101.3	0 U	9	0 U	0 U	0 U	0 U	9
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-608	SB-608	SB-609	SB-609	SB-610	SB-610	SB-610	SB-610	SB-610	SB-610B
SAMPLE ID				H-SB-608-4-AVG	H-SB-608-4-D	H-SB-609-3	H-SB-609-4	H-SB-610-3	H-SB-610-4	H-SB-610-5	H-SB-610-6	H-SB-610-7	H-SB-610B-3
SAMPLE DATE				20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20091109
SAMPLE CODE				AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				4	4	3	4	3	4	5	6	7	3
BOTTOM DEPTH				4	4	3	4	3	4	5	6	7	3
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.8	1.7 U	20	47	477	62	20	1.6 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	0.9	1.7 U	20	46	477	61	19	1.6 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	4.8	1.2 U	19	44	410	54	22 J	1.1 UJ	1.1 UJ	1.2 U
BENZO(A)PYRENE	22	15	C	1.65 U	1.7 U	16	36	320	47	15 J	1.6 UJ	1.5 UJ	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.5 U	16	37	320	50	15 J	1.4 UJ	1.4 UJ	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.15 U	2.2 U	2.1 U	20	140	17	8.7 J	2 UJ	2 UJ	2.1 U
CHRYSENE	22000	15000	C	1.1 U	1.1 U	20	46	400	59	23 J	1.1 UJ	1.1 UJ	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.65 U	1.7 U	1.6 U	1.6 U	66	1.6 U	1.5 UJ	1.6 UJ	1.5 UJ	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.9 U	1.9 U	1.9 U	16	160	37	1.8 UJ	1.8 UJ	1.8 UJ	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		4.5	0 U	71	199	1816	264	83.7	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	36 J	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-610B	SB-610B	SB-610B	SB-610C	SB-610C	SB-610D	SB-610D	SB-611	SB-611	SB-611
SAMPLE ID				H-SB-610B-5	H-SB-610B-5-AVG	H-SB-610B-5-D	H-SB-610C-3	H-SB-610C-5	H-SB-610D-3	H-SB-610D-5	H-SB-611-3	H-SB-611-4	H-SB-611-5
SAMPLE DATE				20091109	20091109	20091109	20091109	20091109	20091109	20091109	20090925	20090925	20090925
SAMPLE CODE				ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	5	5	3	5	3	5	3	4	5
BOTTOM DEPTH				5	5	5	3	5	3	5	3	4	5
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.55 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	736	1.6 U	10
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.55 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	736	1.6 U	9.3
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.15 U	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	570	1.2 U	11
BENZO(A)PYRENE	22	15	C	1.5 U	1.55 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	520	1.6 U	8.2
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.45 U	1.5 U	1.5 U	1.4 U	1.5 U	1.4 U	520	1.5 U	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.05 U	2.1 U	2.1 U	2 U	2.1 U	2 U	190	2.1 U	2.1 U
CHRYSENE	22000	15000	C	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	600	1.1 U	11
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.55 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	80	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	240	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	2720	0 U	30.2
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-611	SB-611	SB-611A	SB-611A	SB-611D	SB-611D	SB-611D	SB-611D	SB-614
SAMPLE ID				H-SB-611-6	H-SB-611-7	H-SB-611A-3	H-SB-611A-5	H-SB-611D-3	H-SB-611D-5	H-SB-611D-5-AVG	H-SB-611D-5-D	H-SB-614-10
SAMPLE DATE				20090925	20090925	20091109	20091109	20091109	20091109	20091109	20091109	20090925
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				6	7	3	5	3	5	5	5	10
BOTTOM DEPTH				6	7	3	5	3	5	5	5	10
VOLATILES (UG/KG)												
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	30	323	1.5 U	1.6 U	1.6 U	1.6 U	5337
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	29	323	1.5 U	1.6 U	1.6 U	1.6 U	5330
BENZO(A)ANTHRACENE	220	150	C	1.2 U	1.1 U	17	310	1.1 U	1.2 U	1.2 U	1.2 U	3900
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	24	210	1.5 U	1.6 U	1.6 U	1.6 U	4300
BENZO(B)FLUORANTHENE	220	150	C	1.5 U	1.4 U	14	270	1.4 U	1.5 U	1.5 U	1.5 U	4100
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2.1 U	2 U	11	90	2 U	2.1 U	2.1 U	2.1 U	1600
CHRYSENE	22000	15000	C	1.1 U	1.1 U	18	330	1.1 U	1.1 U	1.1 U	1.1 U	3600
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.6 U	43	1.5 U	1.6 U	1.6 U	1.6 U	15 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	18	110	1.8 U	1.8 U	1.8 U	1.8 U	2100
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	102	1363	0 U	0 U	0 U	0 U	19600
METALS (MG/KG)												
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		MRC-MW08A	SB-200	SB-200	SB-201	SB-201	SB-202	SB-202	SB-203	SB-203	SB-282
SAMPLE ID				MRC-MW08[0809]	SB-200-05	SB-200-10	SB-201-05	SB-201-10	SB-202-05	SB-202-10	SB-203-05	SB-203-10	SB-282-0405
SAMPLE DATE				20050524	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20051026
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				8	5	10	5	10	5	10	5	10	4
BOTTOM DEPTH				9	5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	6 U
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	1.1 B	3.3	0.62 B	1.7 B	0.81 B	0.55 B	0.8 B	1.3 B	6 U
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	2.18 U	0.94 J	1.98 U	2.1 U	2.09 U	2.02 U	2.35 U	1.98 U	NA
2-BUTANONE	4700000	2800000	N	NA	8.72 U	2.14 J	7.39 J	5.33 J	4.17 J	8.08 U	9.41 U	7.92 U	29 UR
ACETONE	7000000	6100000	N	NA	12.8 J	12.7 J	111 J	63 J	78 J	4.4 J	9.3 J	30 J	15 B
CARBON DISULFIDE	780000	82000	N	NA	2.2 U	0.68 J	1.9 J	2.1 U	2.1 U	2 U	2.4 U	2 U	6 U
ETHYLBENZENE	780000	5400	C	NA	2.2 U	1.2 J	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U	6 U
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	4.4 U	4.9	4 U	4.2 U	4.2 U	4 U	4.7 U	4 U	12 U
METHYLENE CHLORIDE	85000	11000	C	NA	4.4 U	4.1 U	4 U	3.8 J	4.2 U	4 U	4.7 U	2.4 J	6 B
NAPHTHALENE	160000	3600	C	NA	28.1	66.4	0.56 J	2.1 U	2.1 U	2 U	2.4 U	2 U	6 U
O-XYLENE	1600000 [4]	380000	N	NA	2.2 U	1.2 J	2 U	2.1 U	2.1 U	2 U	2.4 U	2 U	6 U
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	9 U	5 J	5 J	6 J	8 U	8 U	9 U	6 J	12 UR
TOLUENE	630000	500000	N	NA	2.2 U	3.8	1.5 J	7.6	6.4	5.7	5.4	5.3	6 U
TRICHLOROETHENE	1600	2800	C	NA	2.2 U	1.1 J	2 U	2.7	2.7	2.5	2.5	2.4	6 U
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	2.2 U	2 U	2 U	2.1 U	0.74 J	0.74 J	2.4 U	2 U	12 U
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	791 U	785 U	48.7 J	51 J	795 U	773 U	43.1 J	43 J	960 UJ
DIBENZOFURAN	7800	7800	N	NA	118 U	91 J	117 U	125 U	119 U	115 U	118 U	115 U	380 U
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	201 U	199 U	38 J	213 U	202 U	196 U	201 U	195 U	380 U
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	118 U	34 J	117 U	125 U	119 U	115 U	118 U	115 U	380 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	41.7 J	452	82.1 U	87.7 U	83 U	80.8 U	82.7 U	80.3 U	380 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	39 J	412	82 U	88 U	83 U	81 U	83 U	80 U	380 U
ACENAPHTHENE	470000	340000	N	NA	36 J	381	82 U	88 U	83 U	81 U	83 U	80 U	380 U
ACENAPHTHYLENE	470000	340000	N[6]	NA	83 U	82 U	82 U	88 U	83 U	81 U	83 U	80 U	380 U
ANTHRACENE	2300000	1700000	N	NA	72 J	595	82 U	88 U	83 U	81 U	83 U	80 U	380 U
BAP EQUIVALENT-HALFND	22	15		NA	165	943	82 U	100	83 U	120	83 U	80 U	380 U
BAP EQUIVALENT-POS	22	15	C	NA	124	943	82 U	2.3	83 U	75	83 U	80 U	380 U
BENZO(A)ANTHRACENE	220	150	C	NA	111	752	82 U	23 J	83 U	54 J	83 U	80 U	380 U
BENZO(A)PYRENE	22	15	C	NA	100	671	82 U	88 U	83 U	63 J	83 U	80 U	380 U
BENZO(B)FLUORANTHENE	220	150	C	NA	61 J	435	82 U	88 U	83 U	61 J	83 U	80 U	380 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	69 J	337	82 U	88 U	83 U	81 U	83 U	80 U	380 U
BENZO(K)FLUORANTHENE	2200	1500	C	NA	78 J	536	82 U	88 U	83 U	55 J	83 U	80 U	380 U
CHRYSENE	22000	15000	C	NA	118	819	82 U	30 J	83 U	63 J	83 U	80 U	380 U
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	83 U	116	82 U	88 U	83 U	81 U	83 U	80 U	380 U
FLUORANTHENE	310000	230000	N	NA	253	1770	82 U	42 J	83 U	86	83 U	80 U	380 U
FLUORENE	310000	230000	N	NA	52 J	507	82 U	88 U	83 U	81 U	83 U	80 U	380 U
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	55 J	311	82 U	88 U	83 U	81 U	83 U	80 U	380 U
NAPHTHALENE	160000	3600	C	NA	83 U	260	82 U	88 U	83 U	81 U	83 U	80 U	380 U
PHENANTHRENE	2300000	170000	N[7]	NA	329	2610	82 U	88 U	83 U	48 J	83 U	80 U	380 U
PYRENE	230000	170000	N	NA	269	1960	82 U	34 J	83 U	128	83 U	80 U	380 U
TOTAL PAHS	NC	NC		NA	1642	12472	0 U	129	0 U	558	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	0.3 U	0.4 U	0.9	0.2 U	0.4 U	0.3 U	0.3 U	0.8	0.67 UR
ARSENIC	0.43	0.39	C	NA	5	4	3	1	4	2	3	4	3.5
BARIUM	1600	1500	N	NA	36	79	26	15	25	20	22	15	11.6
BERYLLIUM	16	16	N	NA	1.9	3.6	0.6	0.6	3.3	4.5	1.6	0.5	1.8
CADMIUM	3.9	7	N	NA	0.1	0.09	0.08	0.04 U	0.2	0.2	0.08	0.09	0.07 U
CHROMIUM	12000 [8]	12000	N[8]	NA	39.4	38.9	18	14.4	31.8	32.1	31.9	20.6	18.5 K
COBALT	NC	2.3	N	NA	27.1	10.8	2.4	8.1	14.9	10.4	30.8	8.3	6.7
COPPER	310	310	N	NA	14	17	10	6	12	10	23	12	23 K
LEAD	400	400		NA	14	17	4 B	5	17	11	13	5	5.7
MERCURY	2.3 [9]	2.3	N[10]	NA	0.02 L	0.01 L	0.24 L	0.17 L	0.002 UR	0.002 UR	0.02 L	0.03 L	0.01 U
MOLYBDENUM	NC	39	N	NA	0.5 U	0.6 U	0.6 U	0.5 B	0.6 U	0.5 U	0.5 U	0.5 U	0.43 B
NICKEL	160	150	N	NA	22	27	5	10	35	33	44	19	17.7
SELENIUM	39	39	N	NA	2 U	3	2 U	3	2 U	2 U	2 U	2 U	0.59 UL
SILVER	39	39	N	NA	0.2 B	0.3 B	0.06 U	0.3 B	0.06 U	0.05 U	0.3 B	0.05 U	0.08 U
VANADIUM	7.8	39	N[11]	NA	45.9	52.9	33.9	25.7	52.2	39.7	49.2	39.2	27.2 K
ZINC	2300	2300	N	NA	44	62	25	30	51	68	55	26	28.1 K
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	64400	173000	11100	30000	3800 B	15900	13000	2400 B	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	13100 U	11800 U	11200 U	15200 U	12300 U	9550 U	10500 U	8550 U	2900 U
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	4600 J
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	86
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	0.4 U	0.4 U	NA	NA	0.4 U	0.3 U	0.78	NA	NA
TOTAL ORGANIC CARBON	NC	NC		1350	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	4.9	5	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282	SB-283	SB-283	SB-284	SB-284	SB-285	SB-285	SB-286	SB-286	SB-293
SAMPLE ID				SB-282-0910	SB-283-0405	SB-283-0910	SB-284-0405	SB-284-0910	SB-285-0405	SB-285-0910	SB-286-0405	SB-286-0910	SB-293-0405
SAMPLE DATE				20051026	20051027	20051027	20051027	20051027	20051027	20051027	20051027	20051027	20051028
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	4	9	4	9	4	9	4	9	4
BOTTOM DEPTH				10	5	10	5	10	5	10	5	10	5
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		6 U	6 U	6 U	7 U	6 U	0.8 J	6 U	7 U	6 U	6 UJ
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	29 UR	30 UR	30 UR	36 UR	30 UR	31 UR	30 UR	33 UR	30 UR	30 UR
ACETONE	7000000	6100000	N	6 B	14 J	30 UR	7 J	30 UR	13 J	12 J	70 J	30 UR	32 J
CARBON DISULFIDE	780000	82000	N	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
ETHYLBENZENE	780000	5400	C	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
M+P-XYLENES	1600000 [4]	63000	N[5]	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U	12 U	12 UJ
METHYLENE CHLORIDE	85000	11000	C	9 B	3 B	6 U	4 B	4 B	7 B	6 B	8 B	6 B	11 B
NAPHTHALENE	160000	3600	C	6 U	6 U	6 U	3 J	5 J	130	34	12	6 J	6 UJ
O-XYLENE	1600000 [4]	380000	N	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
TERTIARY-BUTYL ALCOHOL	NC	NC		11 UR	12 UR	12 UR	14 UR	12 UR	12 UR	12 UR	13 UR	12 UR	12 UR
TOLUENE	630000	500000	N	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
TRICHLOROETHENE	1600	2800	C	6 U	6 U	6 U	7 U	6 U	6 U	6 U	7 U	6 U	6 UJ
TRICHLOROFLUOROMETHANE	NC	79000	N	11 U	12 U	12 U	14 U	12 U	12 U	12 U	13 U	12 U	2 J
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	940 UJ	990 UJ	970 UJ	1200 UJ	970 UJ	1000 U	980 U	1100 U	1000 U	990 U
DIBENZOFURAN	7800	7800	N	380 U	400 U	390 U	470 U	390 U	110 J	390 U	440 U	400 U	400 U
DI-N-BUTYL PHTHALATE	780000	610000	N	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U	400 U	400 U
N-NITROSODIPHENYLAMINE	130000	99000	C	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U	400 U	400 U
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	380 U	400 U	390 U	340 J	390 U	700	340 J	440 U	220 J	400 U
2-METHYLNAPHTHALENE	31000	31000	N	380 U	400 U	390 U	260 J	390 U	1100	410	440 U	84 J	400 U
ACENAPHTHENE	470000	340000	N	380 U	400 U	390 U	140 J	390 U	430	240 J	440 U	190 J	400 U
ACENAPHTHYLENE	470000	340000	N[5]	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U	400 U	400 U
ANTHRACENE	2300000	1700000	N	70 J	400 U	390 U	120 J	390 U	580	310 J	440 U	290 J	400 U
BAP EQUIVALENT-HALFND	22	15		397	400 U	390 U	470 U	390 U	1415	899	440 U	635	400 U
BAP EQUIVALENT-POS	22	15	C	188	400 U	390 U	470 U	390 U	1210	704	440 U	433	400 U
BENZO(A)ANTHRACENE	220	150	C	200 J	400 U	390 U	470 U	390 U	900	520	440 U	400 J	400 U
BENZO(A)PYRENE	22	15	C	150 J	400 U	390 U	470 U	390 U	960	560	440 U	340 J	400 U
BENZO(B)FLUORANTHENE	220	150	C	170 J	400 U	390 U	470 U	390 U	960	570	440 U	340 J	400 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	380 U	400 U	390 U	470 U	390 U	650	340 J	440 U	210 J	400 U
BENZO(K)FLUORANTHENE	2200	1500	C	97 J	400 U	390 U	470 U	390 U	360 J	86 J	440 U	400 U	400 U
CHRYSENE	22000	15000	C	240 J	400 U	390 U	470 U	390 U	1200	650	440 U	490	400 U
DIBENZO(A,H)ANTHRACENE	22	15	C	380 U	400 U	390 U	470 U	390 U	410 U	390 U	440 U	400 U	400 U
FLUORANTHENE	310000	230000	N	430	110 J	390 U	140 J	390 U	1400	820	440 U	620	400 U
FLUORENE	310000	230000	N	380 U	400 U	390 U	210 J	390 U	480	280 J	440 U	250 J	400 U
INDENO(1,2,3-CD)PYRENE	220	150	C	380 U	400 U	390 U	470 U	390 U	590	330 J	440 U	190 J	400 U
NAPHTHALENE	160000	3600	C	380 U	400 U	390 U	250 J	390 U	1200	460	440 U	110 J	400 U
PHENANTHRENE	2300000	170000	N[7]	530	120 J	390 U	570	390 U	2200	1300	440 U	1300	400 U
PYRENE	230000	170000	N	720	180 J	390 U	220 J	390 U	2900	1700	440 U	1100	400 U
TOTAL PAHS	NC	NC		2607	410	0 U	1910	0 U	15910	8576	0 U	5914	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.34 UR	0.65 UL	0.88 UL	1.18 UL	0.61 UL	1.29 UL	1.34 UL	0.46 UL	0.37 UL	0.36 U
ARSENIC	0.43	0.39	C	5.2	1.6 B	7.4	5.3 B	1.9 B	4.9 B	5.2 B	0.54 B	0.77 B	2.7
BARIUM	1600	1500	N	2.8	22.7	19.7	20	46.6	13.8	41.2	28.9	17.5	11.7
BERYLLIUM	16	16	N	0.33 L	0.9	2.1	2.6	2	1.7	2.2	0.51	0.34	0.48
CADMIUM	3.9	7	N	0.03 U	0.06 U	0.09 U	0.12 U	0.06 U	0.13 U	0.13 U	0.05 U	0.04 U	0.38 U
CHROMIUM	12000 [8]	12000	N[8]	19.6 K	39.2	27	28.9	24.5	31.4	27	90.4	54.1	12.6
COBALT	NC	2.3	N	4	8.4	18.4	8.4	17.5	8.1	7.6	1.8	3	3.3
COPPER	310	310	N	6.7 K	5 K	14.5	16.2	10.7	14.8	18.2	4.1	2.3 B	8.3
LEAD	400	400		3.6	5	9.4	9.3	7.1	6.6	8.9	5.9	1.8	3.7
MERCURY	2.3 [9]	2.3	N[10]	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.02
MOLYBDENUM	NC	39	N	0.53 B	0.16 U	0.34	0.19 U	0.15 U	0.33	0.74	0.23 U	0.28	0.46
NICKEL	160	150	N	6.8	13.5	43.1	37.2	23.5	22.2	30.9	5.9	2.7	5.2
SELENIUM	39	39	N	0.3 UL	0.57 U	0.77 U	1.03 U	0.53 U	1.12 U	1.17 U	0.41 U	0.32 U	0.31 UL
SILVER	39	39	N	0.09 U	0.08 UL	0.07 UL	0.1 UL	0.08 UL	0.07 UL	0.07 UL	0.12 UL	0.09 UL	0.38 UL
VANADIUM	7.8	39	N[11]	34.4 K	20.4	45.9	43.8	30.6	35.6	42.6	24.6	5.7	28.6
ZINC	2300	2300	N	9.5 K	40.2	83.1	65.5	47.3	45.1	79.2	11.8	21	11.9
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		2900 U	2700 U	2700 U	3600	2900 U	2800 U	2800 U	2800 U	6100	9000
TPH (C09-C36)	NC	NC		130000	19000	4900 B	8700 B	2200 B	200000	54000	4500 B	110000	2900 J
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		87	83	84	70	85	81	84	75	82	83
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-293	SB-294	SB-294	SB-462	SB-462	SB-462	SB-462	SB-463	SB-463	SB-463
SAMPLE ID				SB-293-0910	SB-294-0405	SB-294-0910	SB-462-0203	SB-462-0304	SB-462-0506	SB-462-0708	SB-463-0203	SB-463-0304	SB-463-0506
SAMPLE DATE				20051028	20051028	20051028	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				9	4	9	2	3	5	7	2	3	5
BOTTOM DEPTH				10	5	10	3	4	6	8	3	4	6
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	30 UR	30 UR	31 UR	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	17 J	37 L	16 J	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	12 U	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	9 B	10 B	5 B	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		12 UR	12 UR	12 UR	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	6 U	6 U	6 U	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	12 U	12 U	12 U	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	980 U	980 U	1000 U	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U	1.8 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U	1.8 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	390 U	390 U	400 U	1.5 U	1.5 U	1.6 U	1.6 U	1.8 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	390 U	390 U	400 U	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	0.31 U	0.44 U	0.43 U	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	1.7	2.4	3.4	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	2.9	8.7	11	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	0.14 B	0.31 B	0.37 B	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	0.33 U	0.46 U	0.45 U	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	7.5	9.4	16.6	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	1.8	2.6	3	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	6.6	5.3	9.3	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		1.6	2.6	3.5	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.01 U	0.01	0.01 U	0.21	0.019 U	0.021 U	0.02 U	0.063	0.021 U	0.021 U
MOLYBDENUM	NC	39	N	0.17	0.3 K	1.2	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	3	3.4	5.1	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	0.27 UL	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	0.44 L	0.47 UL	0.46 UL	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	13.7	17.8	26.3	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	4	9	10.5	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		2800 U	2800 U	2900 U	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		3800 J	6000 U	6100 U	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	87.1	87.1	79.1	81.5	73.9	78.8	81.1
TOTAL SOLIDS	NC	NC		84	84	81	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-463	SB-464	SB-464	SB-464	SB-464	SB-465	SB-465	SB-465	SB-465	SB-466
SAMPLE ID				SB-463-0708	SB-464-0203	SB-464-0304	SB-464-0506	SB-464-0708	SB-465-0203	SB-465-0304	SB-465-0506	SB-465-0708	SB-466-0203
SAMPLE DATE				20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH				8	3	4	6	8	3	4	6	8	3
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U	1.5 U	1.6 U	1.5 U	1.4 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U	1.5 U	1.6 U	1.5 U	1.4 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.4 U	1.5 U	1.6 UJ	1.5 U	1.4 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.021 U	0.019 U	0.021 U	0.021 U	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		80	89.4	81	79.3	84.7	89.9	84.7	83.9	84.2	89.8
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-466	SB-466	SB-466	SB-467	SB-467	SB-467	SB-467	SB-468	SB-468	SB-468
SAMPLE ID				SB-466-0304	SB-466-0506	SB-466-0708	SB-467-0203	SB-467-0304	SB-467-0506	SB-467-0708	SB-468-0203	SB-468-0304	SB-468-0506
SAMPLE DATE				20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH				4	6	8	3	4	6	8	3	4	6
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.019 U	0.02 U	0.02 U	0.019 U	0.019 U	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		88.6	82.9	84.4	88.6	88.5	83.6	86.4	85.5	85.1	83.9
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-468	SB-469	SB-469	SB-469	SB-469	SB-620	SB-620	SB-620	SB-620	SB-621
SAMPLE ID				SB-468-0708	SB-469-0203	SB-469-0304	SB-469-0506	SB-469-0708	H-SB-620-5	H-SB-620-6	H-SB-620-6-AVG	H-SB-620-6-D	H-SB-621-5
SAMPLE DATE				20071023	20071023	20071023	20071023	20071023	20090928	20090928	20090928	20090928	20090928
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				7	2	3	5	7	5	6	6	6	5
BOTTOM DEPTH				8	3	4	6	8	5	6	6	6	5
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	**23**	1.5 U	1.5 U	1.5 U	**22**
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	**22**	1.5 U	1.5 U	1.5 U	**21**
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	21	1.1 U	1.1 U	1.1 U	17
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U	**17**	1.5 U	1.5 U	1.5 U	**16**
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	20	1.4 U	1.4 U	1.4 U	14
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	2 U	2 U	2 U	2 U	2 U
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	24	1.1 U	1.05 U	1 U	18
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	7.9	1.8 U	1.75 U	1.7 U	18
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	89.9	0 U	0 U	0 U	83
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.02 U	0.019 U	0.02 U	0.02 U	0.02 U	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		84.6	87.4	82.2	83.6	84.6	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-621	SB-622	SB-622	SB-623	SB-623	SB-814	SB-814	SB-814	SB-814	SB-815
SAMPLE ID				H-SB-621-6	H-SB-622-5	H-SB-622-6	H-SB-623-5	H-SB-623-6	H-SB-814-03	H-SB-814-05	H-SB-814-07	H-SB-814-09	H-SB-815-03
SAMPLE DATE				20090928	20090928	20090928	20090928	20090928	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				6	5	6	5	6	3	5	7	9	3
BOTTOM DEPTH				6	5	6	5	6	3	5	7	9	3
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	40	3.5 U
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	37	3.5 U
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	34	3.5 U
ACENAPHTHYLENE	470000	340000	N[5]	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	100	3.5 U
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	170	3.5 U
BAP EQUIVALENT-HALFND	22	15		1.5 U	3.546	1.5 U	34	44	3.9 U	3.7 U	3.9 U	722	3.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.951	1.5 U	33	43	3.9 U	3.7 U	3.9 U	722	3.5 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	11	1.1 U	22	26	3.9 U	3.7 U	3.9 U	470	3.5 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	27	35	3.9 U	3.7 U	3.9 U	520	3.5 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	8.4	1.4 U	25	34	3.9 U	3.7 U	3.9 U	480	3.5 U
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	360	3.5 U
BENZO(K)FLUORANTHENE	2200	1500	C	1.9 U	2 U	1.9 U	13	16	3.9 U	3.7 U	3.9 U	250	3.5 U
CHRYSENE	22000	15000	C	1 U	11	1 U	26	34	1.3 UJ	1.2 UJ	1.3 UJ	510	1.2 UJ
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3.9 U	3.7 U	3.9 U	76	3.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	720	3.5 U
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	63	3.5 U
INDENO(1,2,3-CD)PYRENE	220	150	C	1.7 U	1.7 U	1.7 U	15	21	3.9 U	3.7 U	3.9 U	280	3.5 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	28	3.5 U
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	460	3.5 U
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	3.9 U	3.7 U	3.9 U	1400	3.5 U
TOTAL PAHS	NC	NC		0 U	30.4	0 U	128	166	0 U	0 U	0 U	5958	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION			SB-815	SB-815	SB-815	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-817
SAMPLE ID			H-SB-815-05	H-SB-815-07	H-SB-815-09	H-SB-816-03	H-SB-816-03-AVG	H-SB-816-03-D	H-SB-816-05	H-SB-816-07	H-SB-816-09	H-SB-817-03
SAMPLE DATE			20100826	20100826	20100826	20100827	20100827	20100827	20100827	20100827	20100827	20100827
SAMPLE CODE			NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			5	7	9	3	3	3	5	7	9	3
BOTTOM DEPTH			5	7	9	3	3	3	5	7	9	3
VOLATILES (UG/KG)												
1,2,3-TRIMETHYLBENZENE	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 (4)	63000 N(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 (4)	380000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)												
BENZOIC ACID	NC	24000000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)												
1-METHYLNAPHTHALENE	NC	22000 C	3.9 U	3.9 U	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	3.7 U
2-METHYLNAPHTHALENE	31000	31000 N	3.9 U	3.9 U	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	3.7 U
ACENAPHTHENE	470000	340000 N	3.9 U	3.9 U	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	30 J	3.7 UJ
ACENAPHTHYLENE	470000	340000 N(9)	3.9 U	3.9 U	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	3.7 U
ANTHRACENE	2300000	1700000 N	3.9 U	3.9 U	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	34 J	3.7 UJ
BAP EQUIVALENT-HALFND	22	15	11	3.9 U	58	3.7 U	3.75 U	3.8 U	25	3.8 U	79	3.7 U
BAP EQUIVALENT-POS	22	15 C	8.7	3.9 U	56	3.7 U	3.75 U	3.8 U	23	3.8 U	77	3.7 U
BENZO(A)ANTHRACENE	220	150 C	3.9 U	3.9 U	38	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	42	3.7 U
BENZO(A)PYRENE	22	15 C	8.7	3.9 U	45	3.7 UJ	3.75 U	3.8 UJ	23 J	3.8 UJ	62 J	3.7 UJ
BENZO(B)FLUORANTHENE	220	150 C	3.9 U	3.9 U	45	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	61 J	3.7 UJ
BENZO(G,H,I)PERYLENE	230000	170000 N(7)	3.9 U	3.9 U	40	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	56 J	3.7 UJ
BENZO(K)FLUORANTHENE	2200	1500 C	3.9 U	3.9 U	23	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	26 J	3.7 UJ
CHRYSENE	22000	15000 C	1.3 UJ	1.3 UJ	43 J	1.2 U	1.25 U	1.3 U	1.3 U	1.3 U	48	1.2 U
DIBENZO(A,H)ANTHRACENE	22	15 C	3.9 U	3.9 U	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	4.1 UJ	3.7 UJ
FLUORANTHENE	310000	230000 N	10	3.9 U	54	3.7 UJ	3.75 U	3.8 UJ	24 J	3.8 UJ	81 J	3.7 UJ
FLUORENE	310000	230000 N	3.9 U	3.9 U	4.1 U	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	32 J	3.7 UJ
INDENO(1,2,3-CD)PYRENE	220	150 C	3.9 U	3.9 U	27	3.7 UJ	3.75 U	3.8 UJ	3.8 UJ	3.8 UJ	47 J	3.7 UJ
NAPHTHALENE	160000	3600 C	3.9 U	3.9 U	4.1 U	3.7 U	3.75 U	3.8 U	3.8 U	3.8 U	4.1 U	3.7 U
PHENANTHRENE	2300000	170000 N(7)	3.9 U	3.9 U	28	3.7 UJ	3.75 U	3.8 UJ	16 J	3.8 UJ	77 J	3.7 UJ
PYRENE	230000	170000 N	16	3.9 U	88	3.7 U	3.75 U	3.8 U	15	3.8 U	110	3.7 U
TOTAL PAHS	NC	NC	34.7	0 U	431	0 U	0 U	0 U	78	0 U	706	0 U
METALS (MG/KG)												
ANTIMONY	3.1	3.1 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 (8)	12000 N(8)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 (9)	2.3 N(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39 N(11)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300 N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)												
DIESEL RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)												
PERCENT SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)												
HEXAVALENT CHROMIUM	23	0.29 C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)												
PH	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-817	SB-817	SB-817	SB-817	SB-817
SAMPLE ID				H-SB-817-05	H-SB-817-07	H-SB-817-07-AVG	H-SB-817-07-D	H-SB-817-09
SAMPLE DATE				20100827	20100827	20100827	20100827	20100827
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX				SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB
TOP DEPTH				5	7	7	7	9
BOTTOM DEPTH				5	7	7	7	9
VOLATILES (UG/KG)								
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)								
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)								
1-METHYLNAPHTHALENE	NC	22000	C	4 U	3.8 U	3.8 U	3.8 U	3.9 U
2-METHYLNAPHTHALENE	31000	31000	N	4 U	3.8 U	3.8 U	3.8 U	3.9 U
ACENAPHTHENE	470000	340000	N	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
ACENAPHTHYLENE	470000	340000	N[6]	4 U	3.8 U	3.8 U	3.8 U	3.9 U
ANTHRACENE	2300000	1700000	N	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BAP EQUIVALENT-HALFND	22	15		38	3.8 U	3.8 U	3.8 U	3.9 U
BAP EQUIVALENT-POS	22	15	C	36	3.8 U	3.8 U	3.8 U	3.9 U
BENZO(A)ANTHRACENE	220	150	C	16	3.8 U	3.8 U	3.8 U	3.9 U
BENZO(A)PYRENE	22	15	C	32 J	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(B)FLUORANTHENE	220	150	C	21 J	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
BENZO(K)FLUORANTHENE	2200	1500	C	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
CHRYSENE	22000	15000	C	14	1.3 U	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
FLUORANTHENE	310000	230000	N	33 J	3.8 UJ	3.8 U	3.8 UJ	21 J
FLUORENE	310000	230000	N	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
INDENO(1,2,3-CD)PYRENE	220	150	C	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
NAPHTHALENE	160000	3600	C	4 U	3.8 U	3.8 U	3.8 U	3.9 U
PHENANTHRENE	2300000	170000	N[7]	4 UJ	3.8 UJ	3.8 U	3.8 UJ	3.9 UJ
PYRENE	230000	170000	N	36	3.8 U	3.8 U	3.8 U	11
TOTAL PAHS	NC	NC		152	0 U	0 U	0 U	32
METALS (MG/KG)								
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	NA	NA	NA	NA	NA
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)								
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)								
PERCENT SOLIDS	NC	NC		NA	NA	NA	NA	NA
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)								
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)								
PH	NC	NC		NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-470	SB-470	SB-470	SB-470	SB-471	SB-471	SB-471	SB-471	SB-472	SB-472
SAMPLE ID				SB-470-0203	SB-470-0304	SB-470-0506	SB-470-0708	SB-471-0203	SB-471-0304	SB-471-0506	SB-471-0708	SB-472-0203	SB-472-0304
SAMPLE DATE				20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.6 U	1.6 U	**21**	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	**21**	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.6 U	1.6 U	**21 J**	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	21	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.023 L	0.019 UL	0.02 UL	0.02 UL	0.021 UL	0.021 UL	0.02 UL	0.02 UL	0.019 UL	0.02 UL
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		88.5	86.8	82.3	83.7	81.1	80.7	82.7	83.7	86.6	81.5
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland
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LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-472	SB-472	SB-473	SB-473	SB-473	SB-473	SB-474	SB-474	SB-474	SB-474
SAMPLE ID				SB-472-0506	SB-472-0708	SB-473-0203	SB-473-0304	SB-473-0506	SB-473-0708	SB-474-0203	SB-474-0304	SB-474-0506	SB-474-0708
SAMPLE DATE				20071023	20071023	20071024	20071024	20071024	20071024	20071024	20071024	20071024	20071024
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31	490	1.4 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31	490	1.4 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U	1.6 U	31 J	490	1.4 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	31	490	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.02 UL	0.02 UJ	0.019 UL	0.02 UL	0.022 UL	0.021 UL	0.025	0.095	0.018 U	0.019 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		83.1	83.2	87.9	85.1	76.1	80.5	86	77.6	90.9	86.3
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-475	SB-475	SB-475	SB-475	SB-476	SB-476	SB-476	SB-476	SB-477	SB-477
SAMPLE ID				SB-475-0203	SB-475-0304	SB-475-0506	SB-475-0708	SB-476-0203	SB-476-0304	SB-476-0506	SB-476-0708	SB-477-0203	SB-477-0304
SAMPLE DATE				20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U	0.021 U	0.02 U	0.02 U	0.021 U	0.021 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		87	81.8	81.4	83.3	85.8	79.9	83.3	83.6	78.2	79.8
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-477	SB-477	SB-478	SB-478	SB-478	SB-478	SB-479	SB-479	SB-479	SB-479
SAMPLE ID				SB-477-0506	SB-477-0708	SB-478-0203	SB-478-0304	SB-478-0506	SB-478-0708	SB-479-0203	SB-479-0304	SB-479-0506	SB-479-0708
SAMPLE DATE				20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U	0.02 U	0.019 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		84.6	84.9	87.7	85.1	86.7	83.8	85.9	83.8	84.6	85.9
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-480	SB-480	SB-480	SB-480	SB-481	SB-481	SB-481	SB-481	SB-482	SB-482
SAMPLE ID				SB-480-0203	SB-480-0304	SB-480-0506	SB-480-0708	SB-481-0203	SB-481-0304	SB-481-0506	SB-481-0708	SB-482-0203	SB-482-0304
SAMPLE DATE				20071025	20071025	20071025	20071025	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10	1.6 U	1.6 U	1.6 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	10 J	1.6 U	1.6 U	1.6 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	10	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.019 U	0.019 U	0.02 U	0.019 U	0.21	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		89.5	88.1	84.1	85.6	85.8	84.3	82.2	82.6	82.7	85.1
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland
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LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-482	SB-482	SB-483	SB-483	SB-483	SB-483	SB-484	SB-484	SB-484	SB-484
SAMPLE ID				SB-482-0506	SB-482-0708	SB-483-0203	SB-483-0304	SB-483-0506	SB-483-0708	SB-484-0203	SB-484-0304	SB-484-0506	SB-484-0708
SAMPLE DATE				20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH				6	8	3	4	6	8	3	4	6	8
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	28	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	28	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	28 J	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	28	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.02 U	0.02 U	0.035	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U	0.02 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		84	82.7	82.9	81.6	83.5	82.9	86.2	82.7	86.5	84.2
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-485	SB-485	SB-485	SB-485	SB-486	SB-486	SB-486	SB-486	SB-487	SB-487
SAMPLE ID				SB-485-0203	SB-485-0304	SB-485-0506	SB-485-0708	SB-486-0203	SB-486-0304	SB-486-0506	SB-486-0708	SB-487-0203	SB-487-0304
SAMPLE DATE				20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH				3	4	6	8	3	4	6	8	3	4
VOLATILES (UG/KG)													
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)													
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)													
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		43	1.5 U	1.5 U	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U
BAP EQUIVALENT-POS	22	15	C	43	1.5 U	1.5 U	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	43 J	1.5 U	1.5 U	1.5 U	380 U	390 U	410 U	390 U	400 U	380 U
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		43	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)													
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.019 U	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U	0.019 U	0.02 U	0.019 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)													
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)													
PERCENT SOLIDS	NC	NC		88.7	84.4	85	84.8	86.3	84.9	81.3	85.6	82.4	88
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)													
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)													
PH	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-487	SB-487	SB-488	SB-488	SB-488	SB-488
SAMPLE ID				SB-487-0506	SB-487-0708	SB-488-0203	SB-488-0304	SB-488-0506	SB-488-0708
SAMPLE DATE				20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB
TOP DEPTH				5	7	2	3	5	7
BOTTOM DEPTH				6	8	3	4	6	8
VOLATILES (UG/KG)									
1,2,3-TRIMETHYLBENZENE	NC	NC		NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NC	6200	N	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NC	78000	N	NA	NA	NA	NA	NA	NA
2-BUTANONE	4700000	2800000	N	NA	NA	NA	NA	NA	NA
ACETONE	7000000	6100000	N	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	780000	82000	N	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	780000	5400	C	NA	NA	NA	NA	NA	NA
M+P-XYLENES	1600000 [4]	63000	N[5]	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	85000	11000	C	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA
O-XYLENE	1600000 [4]	380000	N	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NC	NC		NA	NA	NA	NA	NA	NA
TOLUENE	630000	500000	N	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	1600	2800	C	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NC	79000	N	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
BENZOIC ACID	NC	24000000	N	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	7800	7800	N	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	780000	610000	N	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	130000	99000	C	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[6]	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		390 U	390 U	370 U	380 U	400 U	390 U
BAP EQUIVALENT-POS	22	15	C	390 U	390 U	370 U	380 U	400 U	390 U
BENZO(A)ANTHRACENE	220	150	C	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	22	15	C	390 U	390 U	370 U	380 U	400 U	390 UR
BENZO(B)FLUORANTHENE	220	150	C	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	230000	170000	N[7]	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	22	15	C	NA	NA	NA	NA	NA	NA
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	NA	NA	NA	NA	NA	NA
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[7]	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	0 U	0 U	0 U	0 U
METALS (MG/KG)									
ANTIMONY	3.1	3.1	N	NA	NA	NA	NA	NA	NA
ARSENIC	0.43	0.39	C	NA	NA	NA	NA	NA	NA
BARIUM	1600	1500	N	NA	NA	NA	NA	NA	NA
BERYLLIUM	16	16	N	NA	NA	NA	NA	NA	NA
CADMIUM	3.9	7	N	NA	NA	NA	NA	NA	NA
CHROMIUM	12000 [8]	12000	N[8]	NA	NA	NA	NA	NA	NA
COBALT	NC	2.3	N	NA	NA	NA	NA	NA	NA
COPPER	310	310	N	NA	NA	NA	NA	NA	NA
LEAD	400	400		NA	NA	NA	NA	NA	NA
MERCURY	2.3 [9]	2.3	N[10]	0.02 U	0.02 U	0.019 U	0.019 U	0.02 U	0.02 U
MOLYBDENUM	NC	39	N	NA	NA	NA	NA	NA	NA
NICKEL	160	150	N	NA	NA	NA	NA	NA	NA
SELENIUM	39	39	N	NA	NA	NA	NA	NA	NA
SILVER	39	39	N	NA	NA	NA	NA	NA	NA
VANADIUM	7.8	39	N[11]	NA	NA	NA	NA	NA	NA
ZINC	2300	2300	N	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	230000	NC		NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NC	NC		NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NC	NC		83.8	85.3	88.5	86.3	82.1	85.2
TOTAL SOLIDS	NC	NC		NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	23	0.29	C	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NC	NC		NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NC	NC		NA	NA	NA	NA	NA	NA

Table A-28
Detected Concentrations Table for Subsurface Soil, 2-10 feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value is for xylenes.
5 - The value is for xylene, mixture.
6 - The value for acenaphthene is used as a surrogate for acenaphthylene.
7 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
8 - The value is for trivalent chromium.
9 - The value is for mercury (inorganic/mercuric dichloride).
10 - The value is for mercuric chloride.
11 - The value is for vanadium and compounds.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-200RE-11	H-SB-200RE-12	H-SB-200RE-13	H-SB-200RE-14	H-SB-200RE-15	H-SB-282RE-11	H-SB-282RE-12	H-SB-282RE-13	H-SB-282RE-14
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	14
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-200RE-11	H-SB-200RE-12	H-SB-200RE-13	H-SB-200RE-14	H-SB-200RE-15	H-SB-282RE-11	H-SB-282RE-12	H-SB-282RE-13	H-SB-282RE-14
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	14
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	67	165	848	14	120	1.6 U	16	1462	5.3
BAP EQUIVALENT-POS	66	165	848	13	119	1.6 U	15	1462	3.8
BENZO(A)ANTHRACENE	59	140	700	13	110	1.2 U	15	1400	10
BENZO(A)PYRENE	53	120	680	11	95	1.6 U	10	930	1.5 U
BENZO(B)FLUORANTHENE	46	110	630	9.5	82	1.5 U	13	1200	9.4
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	31	44	290	2 U	46	2.1 U	2 U	470	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-200RE-11	H-SB-200RE-12	H-SB-200RE-13	H-SB-200RE-14	H-SB-200RE-15	H-SB-282RE-11	H-SB-282RE-12	H-SB-282RE-13	H-SB-282RE-14
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	14
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	63	140	730	12	110	1.1 U	15	1600	11
DIBENZO(A,H)ANTHRACENE	1.6 U	14	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	210	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	22	52	310	1.8 U	42	1.9 U	19	560	18
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	274	620	3340	45.5	485	0 U	72	6370	48.4
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-200RE-11	H-SB-200RE-12	H-SB-200RE-13	H-SB-200RE-14	H-SB-200RE-15	H-SB-282RE-11	H-SB-282RE-12	H-SB-282RE-13	H-SB-282RE-14
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	13	14	15	11	12	13	14
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B	SB-282B	SB-282C	SB-282C
SAMPLE ID	H-SB-282RE-15	H-SB-282REA-11	H-SB-282REA-13	H-SB-282REA-15	H-SB-282REB-11	H-SB-282REB-13	H-SB-282REB-15	H-SB-282REC-11	H-SB-282REC-13
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B	SB-282B	SB-282C	SB-282C
SAMPLE ID	H-SB-282RE-15	H-SB-282REA-11	H-SB-282REA-13	H-SB-282REA-15	H-SB-282REB-11	H-SB-282REB-13	H-SB-282REB-15	H-SB-282REC-11	H-SB-282REC-13
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	1.6 U	1.6 U	409	33	49	373	1.6 U	2123	1250
BAP EQUIVALENT-POS	1.6 U	1.6 U	409	32	48	373	1.6 U	2121	1249
BENZO(A)ANTHRACENE	1.1 U	1.1 U	250	14	53	350	1.2 U	1800	1100
BENZO(A)PYRENE	1.6 U	1.6 U	290	27	35	240	1.6 U	1700	990
BENZO(B)FLUORANTHENE	1.5 U	1.4 U	230	17	50	290	1.5 U	1500	970
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2.1 U	2.1 U	150	9.8	25	120	2.1 U	620	440
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B	SB-282B	SB-282C	SB-282C
SAMPLE ID	H-SB-282RE-15	H-SB-282REA-11	H-SB-282REA-13	H-SB-282REA-15	H-SB-282REB-11	H-SB-282REB-13	H-SB-282REB-15	H-SB-282REC-11	H-SB-282REC-13
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	1.1 U	230	14	63	400	1.1 U	2000	1100
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	54	1.4 U	1.5 U	51	1.6 U	3.2 U	3.3 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	150	20	22	160	1.8 U	830	460
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	0 U	0 U	1354	101.8	248	1611	0 U	8450	5060
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-282	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B	SB-282B	SB-282C	SB-282C
SAMPLE ID	H-SB-282RE-15	H-SB-282REA-11	H-SB-282REA-13	H-SB-282REA-15	H-SB-282REB-11	H-SB-282REB-13	H-SB-282REB-15	H-SB-282REC-11	H-SB-282REC-13
SAMPLE DATE	20090929	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-282C	SB-282D	SB-282D	SB-282D	SB-285	SB-285	SB-286RE	SB-286RE	SB-286RE
SAMPLE ID	H-SB-282REC-15	H-SB-282RED-11	H-SB-282RED-13	H-SB-282RED-15	H-SB-285RE-11	H-SB-285RE-12	H-SB-286RE-11	H-SB-286RE-12	H-SB-286RE-15
SAMPLE DATE	20091110	20091110	20091110	20091110	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	12	11	12	15
BOTTOM DEPTH	15	11	13	15	11	12	11	12	15
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-282C	SB-282D	SB-282D	SB-282D	SB-285	SB-285	SB-286RE	SB-286RE	SB-286RE
SAMPLE ID	H-SB-282REC-15	H-SB-282RED-11	H-SB-282RED-13	H-SB-282RED-15	H-SB-285RE-11	H-SB-285RE-12	H-SB-286RE-11	H-SB-286RE-12	H-SB-286RE-15
SAMPLE DATE	20091110	20091110	20091110	20091110	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	12	11	12	15
BOTTOM DEPTH	15	11	13	15	11	12	11	12	15
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	289	1.5 U	225	1.5 U	1.5 U	1.5 U	34	33 U	1.6 U
BAP EQUIVALENT-POS	288	1.5 U	225	1.5 U	1.5 U	1.5 U	32	33 U	1.6 U
BENZO(A)ANTHRACENE	250	1.1 U	160	1.1 U	1.1 U	1.1 U	1.2 U	24 U	1.2 U
BENZO(A)PYRENE	230	1.5 U	150	1.5 U	1.5 U	1.5 U	1.6 U	33 U	1.6 U
BENZO(B)FLUORANTHENE	210	1.4 U	150	1.4 U	1.4 U	1.4 U	220	31 U	1.5 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	94	2 U	61	1.9 U	2 U	2 U	140	44 U	2.1 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-282C	SB-282D	SB-282D	SB-282D	SB-285	SB-285	SB-286RE	SB-286RE	SB-286RE
SAMPLE ID	H-SB-282REC-15	H-SB-282RED-11	H-SB-282RED-13	H-SB-282RED-15	H-SB-285RE-11	H-SB-285RE-12	H-SB-286RE-11	H-SB-286RE-12	H-SB-286RE-15
SAMPLE DATE	20091110	20091110	20091110	20091110	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	12	11	12	15
BOTTOM DEPTH	15	11	13	15	11	12	11	12	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	270	1 U	180	1 U	1.1 U	1.1 U	13	23 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.5 U	1.5 U	35	1.5 U	1.5 U	1.5 U	1.6 U	33 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	110	1.7 U	79	1.7 U	1.8 U	1.8 U	88	39 U	1.9 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1164	0 U	815	0 U	0 U	0 U	461	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-282C	SB-282D	SB-282D	SB-282D	SB-285	SB-285	SB-286RE	SB-286RE	SB-286RE
SAMPLE ID	H-SB-282REC-15	H-SB-282RED-11	H-SB-282RED-13	H-SB-282RED-15	H-SB-285RE-11	H-SB-285RE-12	H-SB-286RE-11	H-SB-286RE-12	H-SB-286RE-15
SAMPLE DATE	20091110	20091110	20091110	20091110	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	15	11	13	15	11	12	11	12	15
BOTTOM DEPTH	15	11	13	15	11	12	11	12	15
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-596	SB-596	SB-597	SB-597	SB-598	SB-598	SB-599	SB-599	SB-612
SAMPLE ID	H-SB-596-11	H-SB-596-12	H-SB-597-11	H-SB-597-12	H-SB-598-11	H-SB-598-12	H-SB-599-11	H-SB-599-12	H-SB-612-11
SAMPLE DATE	20090929	20090929	20090928	20090928	20090929	20090929	20090929	20090929	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	11	12	11	12	11	12	11
BOTTOM DEPTH	11	12	11	12	11	12	11	12	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-596	SB-596	SB-597	SB-597	SB-598	SB-598	SB-599	SB-599	SB-612
SAMPLE ID	H-SB-596-11	H-SB-596-12	H-SB-597-11	H-SB-597-12	H-SB-598-11	H-SB-598-12	H-SB-599-11	H-SB-599-12	H-SB-612-11
SAMPLE DATE	20090929	20090929	20090928	20090928	20090929	20090929	20090929	20090929	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	11	12	11	12	11	12	11
BOTTOM DEPTH	11	12	11	12	11	12	11	12	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	2.6	130	1.5 U	1.6 U	1.6 U	1.6 U	15	36	9.4
BAP EQUIVALENT-POS	0.96	130	1.5 U	1.6 U	1.6 U	1.6 U	14	35	8.4
BENZO(A)ANTHRACENE	9.6	120	1.1 U	1.1 U	1.1 U	1.1 U	12	30	1.1 UJ
BENZO(A)PYRENE	1.5 U	83	1.5 U	1.6 U	1.6 U	1.6 U	10	27	8.4 J
BENZO(B)FLUORANTHENE	1.4 U	80	1.4 U	1.4 U	1.4 U	1.4 U	9.6	24	1.5 UJ
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2 U	37	2 U	2 U	2 U	2 U	2.2 U	13	2.1 UJ
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-596	SB-596	SB-597	SB-597	SB-598	SB-598	SB-599	SB-599	SB-612
SAMPLE ID	H-SB-596-11	H-SB-596-12	H-SB-597-11	H-SB-597-12	H-SB-598-11	H-SB-598-12	H-SB-599-11	H-SB-599-12	H-SB-612-11
SAMPLE DATE	20090929	20090929	20090928	20090928	20090929	20090929	20090929	20090929	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	11	12	11	12	11	12	11
BOTTOM DEPTH	11	12	11	12	11	12	11	12	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	1.1 U	120	1.1 U	1.1 U	1.1 U	1.1 U	11	32	12 J
DIBENZO(A,H)ANTHRACENE	1.5 U	22	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	45	1.8 U	1.8 U	1.8 U	1.8 U	18	23	1.8 UJ
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	9.6	507	0 U	0 U	0 U	0 U	60.6	149	20.4
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-596	SB-596	SB-597	SB-597	SB-598	SB-598	SB-599	SB-599	SB-612
SAMPLE ID	H-SB-596-11	H-SB-596-12	H-SB-597-11	H-SB-597-12	H-SB-598-11	H-SB-598-12	H-SB-599-11	H-SB-599-12	H-SB-612-11
SAMPLE DATE	20090929	20090929	20090928	20090928	20090929	20090929	20090929	20090929	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	12	11	12	11	12	11	12	11
BOTTOM DEPTH	11	12	11	12	11	12	11	12	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-612	SB-612	SB-612	SB-613	SB-613	SB-614	SB-614	SB-615	SB-615
SAMPLE ID	H-SB-612-11-AVG	H-SB-612-11-D	H-SB-612-12	H-SB-613-11	H-SB-613-12	H-SB-614-11	H-SB-614-12	H-SB-615-11	H-SB-615-12
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090925	20090925	20090925	20090925
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	12	11	12	11	12	11	12
BOTTOM DEPTH	11	11	12	11	12	11	12	11	12
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-612	SB-612	SB-612	SB-613	SB-613	SB-614	SB-614	SB-615	SB-615
SAMPLE ID	H-SB-612-11-AVG	H-SB-612-11-D	H-SB-612-12	H-SB-613-11	H-SB-613-12	H-SB-614-11	H-SB-614-12	H-SB-615-11	H-SB-615-12
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090925	20090925	20090925	20090925
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	12	11	12	11	12	11	12
BOTTOM DEPTH	11	11	12	11	12	11	12	11	12
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	59	108	1.6 U	89	43	35	100	11	21
BAP EQUIVALENT-POS	58	107	1.6 U	88	42	34	99	10	21
BENZO(A)ANTHRACENE	50.275	100 J	1.1 U	77	41	22	53	13	20
BENZO(A)PYRENE	46.2	84 J	1.6 U	68	33	28	81	9.1	17
BENZO(B)FLUORANTHENE	43.375	86 J	1.4 U	84	34	25	83	1.4 U	16
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	25.025	49 J	2 U	29	15	14	37	2 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-612	SB-612	SB-612	SB-613	SB-613	SB-614	SB-614	SB-615	SB-615
SAMPLE ID	H-SB-612-11-AVG	H-SB-612-11-D	H-SB-612-12	H-SB-613-11	H-SB-613-12	H-SB-614-11	H-SB-614-12	H-SB-615-11	H-SB-615-12
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090925	20090925	20090925	20090925
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	12	11	12	11	12	11	12
BOTTOM DEPTH	11	11	12	11	12	11	12	11	12
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	54.5	97 J	1.1 U	87	39	24	73	11	22
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	19.45	38 J	1.8 U	35	17	16	44	1.7 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	237.2	454	0 U	380	179	129	371	33.1	75
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-612	SB-612	SB-612	SB-613	SB-613	SB-614	SB-614	SB-615	SB-615
SAMPLE ID	H-SB-612-11-AVG	H-SB-612-11-D	H-SB-612-12	H-SB-613-11	H-SB-613-12	H-SB-614-11	H-SB-614-12	H-SB-615-11	H-SB-615-12
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090925	20090925	20090925	20090925
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	12	11	12	11	12	11	12
BOTTOM DEPTH	11	11	12	11	12	11	12	11	12
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-616	SB-616	SB-616	SB-616	SB-617	SB-617	SB-617	SB-617	SB-618
SAMPLE ID	H-SB-616-11	H-SB-616-11-AVG	H-SB-616-11-D	H-SB-616-12	H-SB-617-11	H-SB-617-11-AVG	H-SB-617-11-D	H-SB-617-12	H-SB-618-11
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	12	11	11	11	12	11
BOTTOM DEPTH	11	11	11	12	11	11	11	12	11
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-616	SB-616	SB-616	SB-616	SB-617	SB-617	SB-617	SB-617	SB-618
SAMPLE ID	H-SB-616-11	H-SB-616-11-AVG	H-SB-616-11-D	H-SB-616-12	H-SB-617-11	H-SB-617-11-AVG	H-SB-617-11-D	H-SB-617-12	H-SB-618-11
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	12	11	11	11	12	11
BOTTOM DEPTH	11	11	11	12	11	11	11	12	11
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	116	60	3.9	1.5 U	1.6 U	6.7	13	31 U	1.5 U
BAP EQUIVALENT-POS	115	58	2.2	1.5 U	1.6 U	6.3	12	31 U	1.5 U
BENZO(A)ANTHRACENE	1.1 U	5.775	11	1.1 U	1.1 U	6.775	13	22 U	1.1 U
BENZO(A)PYRENE	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	5.15	9.5	31 U	1.5 U
BENZO(B)FLUORANTHENE	1100 J	555.5	11 J	1.4 U	1.4 U	4.8	8.9	28 U	1.4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	470 J	235.525	2.1 UJ	2 U	2 U	2 U	2 U	40 U	2 U
C1-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-616	SB-616	SB-616	SB-616	SB-617	SB-617	SB-617	SB-617	SB-618
SAMPLE ID	H-SB-616-11	H-SB-616-11-AVG	H-SB-616-11-D	H-SB-616-12	H-SB-617-11	H-SB-617-11-AVG	H-SB-617-11-D	H-SB-617-12	H-SB-618-11
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	12	11	11	11	12	11
BOTTOM DEPTH	11	11	11	12	11	11	11	12	11
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	47 J	30	13 J	1.1 U	1.1 U	6.275	12	21 U	1.1 U
DIBENZO(A,H)ANTHRACENE	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	31 U	1.5 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	35 U	1.8 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	1617	826	35	0 U	0 U	21.7	43.4	0 U	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-616	SB-616	SB-616	SB-616	SB-617	SB-617	SB-617	SB-617	SB-618
SAMPLE ID	H-SB-616-11	H-SB-616-11-AVG	H-SB-616-11-D	H-SB-616-12	H-SB-617-11	H-SB-617-11-AVG	H-SB-617-11-D	H-SB-617-12	H-SB-618-11
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	11	11	11	12	11	11	11	12	11
BOTTOM DEPTH	11	11	11	12	11	11	11	12	11
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-618	SB-619	SB-619	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815
SAMPLE ID	H-SB-618-12	H-SB-619-11	H-SB-619-12	H-SB-814-11	H-SB-814-13	H-SB-814-15	H-SB-815-11	H-SB-815-13	H-SB-815-15
SAMPLE DATE	20090925	20090925	20090925	20100826	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	11	13	15	11	13	15
BOTTOM DEPTH	12	11	12	11	13	15	11	13	15
VOLATILES (UG/KG)									
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-618	SB-619	SB-619	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815
SAMPLE ID	H-SB-618-12	H-SB-619-11	H-SB-619-12	H-SB-814-11	H-SB-814-13	H-SB-814-15	H-SB-815-11	H-SB-815-13	H-SB-815-15
SAMPLE DATE	20090925	20090925	20090925	20100826	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	11	13	15	11	13	15
BOTTOM DEPTH	12	11	12	11	13	15	11	13	15
VINYL CHLORIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)									
1,1-BIPHENYL	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)									
1-METHYLNAPHTHALENE	NA	NA	NA	4 U	4.1 U	3.9 U	3.9 U	4.2 U	4 U
2-METHYLNAPHTHALENE	NA	NA	NA	4 U	4.1 U	3.9 U	3.9 U	4.2 U	4 U
ACENAPHTHENE	NA	NA	NA	4 U	4.1 U	3.9 U	3.9 U	10	4 U
ACENAPHTHYLENE	NA	NA	NA	4 U	4.1 U	8	3.9 U	9	4 U
ANTHRACENE	NA	NA	NA	4 U	4.1 U	12	3.9 U	45	4 U
BAP EQUIVALENT-HALFND	2.9	1.6 U	1.5 U	4 U	48	16	15	268	4 U
BAP EQUIVALENT-POS	0.98	1.6 U	1.5 U	4 U	46	14	13	268	4 U
BENZO(A)ANTHRACENE	9.7	1.1 U	1.1 U	4 U	27	11	3.9 U	140	4 U
BENZO(A)PYRENE	1.7 U	1.6 U	1.5 U	4 U	38	11	12	190	4 U
BENZO(B)FLUORANTHENE	1.6 U	1.4 U	1.4 U	4 U	34	9.2	11	180	4 U
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	4 U	29	9	9.9	160	4 U
BENZO(K)FLUORANTHENE	2.2 U	2 U	2 U	4 U	14	14	3.9 U	79	4 U
C1-CHRYSENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA

LOCATION	SB-618	SB-619	SB-619	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815
SAMPLE ID	H-SB-618-12	H-SB-619-11	H-SB-619-12	H-SB-814-11	H-SB-814-13	H-SB-814-15	H-SB-815-11	H-SB-815-13	H-SB-815-15
SAMPLE DATE	20090925	20090925	20090925	20100826	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	11	13	15	11	13	15
BOTTOM DEPTH	12	11	12	11	13	15	11	13	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C1-FLUORENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C2-CHRYSENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-FLUORENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C2-NAPHTHALENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C3-CHRYSENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-FLUORENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C3-NAPHTHALENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C4-CHRYSENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA	NA	NA	NA	NA	NA
C4-NAPHTHALENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	NA	NA	NA	NA	NA	78 U	NA	NA	NA
CHRYSENE	9	1.1 U	1.1 U	1.3 UJ	26 J	1.3 UJ	1.3 UJ	170	1.3 UJ
DIBENZO(A,H)ANTHRACENE	1.7 U	1.6 U	1.5 U	4 U	4.1 U	3.9 U	3.9 U	33	4 U
FLUORANTHENE	NA	NA	NA	4 U	42	12	9.7	210	4 U
FLUORENE	NA	NA	NA	4 U	4.1 U	8.7	3.9 U	16	4 U
INDENO(1,2,3-CD)PYRENE	1.9 U	1.8 U	1.8 U	4 U	20	13	3.9 U	120	4 U
NAPHTHALENE	NA	NA	NA	4 U	4.1 U	3.9 U	3.9 U	10	4 U
PHENANTHRENE	NA	NA	NA	4 U	19	11	3.9 U	120	4 U
PYRENE	NA	NA	NA	4 U	82	12	17	320	4 U
TOTAL PAHS	18.7	0 U	0 U	0 U	331	130.9	59.6	1812	0 U
PESTICIDES/PCBS (UG/KG)									
4,4'-DDD	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA	NA	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS (MG/KG)									
ANTIMONY	NA	NA	NA	NA	NA	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT	NA	NA	NA	NA	NA	NA	NA	NA	NA
COPPER	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA	NA	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA	NA	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA	NA	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-618	SB-619	SB-619	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815
SAMPLE ID	H-SB-618-12	H-SB-619-11	H-SB-619-12	H-SB-814-11	H-SB-814-13	H-SB-814-15	H-SB-815-11	H-SB-815-13	H-SB-815-15
SAMPLE DATE	20090925	20090925	20090925	20100826	20100826	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	12	11	12	11	13	15	11	13	15
BOTTOM DEPTH	12	11	12	11	13	15	11	13	15
PETROLEUM HYDROCARBONS (UG/KG)									
DIESEL RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)									
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)									
HEXAVALENT CHROMIUM	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)									
PH	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)									
MERCURY (METHYL)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)									
ACTINIUM-228	NA	NA	NA	NA	NA	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA	NA	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA	NA	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA	NA	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA	NA	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA	NA	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA	NA	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA	NA	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA	NA	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA	NA	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA	NA	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA	NA	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA	NA	NA	NA	NA	NA

LOCATION	SB-816	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-816-11	H-SB-817-11	H-SB-817-13	H-SB-817-15
SAMPLE DATE	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	11	11	13	15
BOTTOM DEPTH	11	11	13	15
VOLATILES (UG/KG)				
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHANE	NA	NA	NA	NA
1,1-DICHLOROETHENE	NA	NA	NA	NA
1,1-DICHLOROPROPENE	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NA	NA	NA	NA
1,2-DIBROMOETHANE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROETHANE	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROPROPANE	NA	NA	NA	NA
1,3-DICHLOROPROPENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2-DICHLOROPROPANE	NA	NA	NA	NA
2-BUTANONE	NA	NA	NA	NA
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA
2-HEXANONE	NA	NA	NA	NA
4-CHLOROTOLUENE	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA
4-METHYL-2-PENTANONE	NA	NA	NA	NA
ACETONE	NA	NA	NA	NA
BENZENE	NA	NA	NA	NA
BROMOBENZENE	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA
BROMODICHLOROMETHANE	NA	NA	NA	NA
BROMOFORM	NA	NA	NA	NA
BROMOMETHANE	NA	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	NA
CARBON TETRACHLORIDE	NA	NA	NA	NA
CHLOROBENZENE	NA	NA	NA	NA
CHLORODIBROMOMETHANE	NA	NA	NA	NA
CHLOROETHANE	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA
CHLOROMETHANE	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NA	NA	NA	NA
DIISOPROPYL ETHER	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	NA	NA
FLUORODICHLOROMETHANE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
ISOPROPYLBENZENE	NA	NA	NA	NA
M+P-XYLENES	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA
METHYLENE CHLORIDE	NA	NA	NA	NA
NAPHTHALENE	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA
O-XYLENE	NA	NA	NA	NA
SEC-BUTYLBENZENE	NA	NA	NA	NA
STYRENE	NA	NA	NA	NA
TERT-AMYL METHYL ETHER	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA
TETRACHLOROETHENE	NA	NA	NA	NA
TOLUENE	NA	NA	NA	NA
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NA	NA	NA	NA
TRICHLOROETHENE	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NA	NA	NA	NA
VINYL ACETATE	NA	NA	NA	NA

LOCATION	SB-816	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-816-11	H-SB-817-11	H-SB-817-13	H-SB-817-15
SAMPLE DATE	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	11	11	13	15
BOTTOM DEPTH	11	11	13	15
VINYL CHLORIDE	NA	NA	NA	NA
SEMIVOLATILES (UG/KG)				
1,1-BIPHENYL	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	NA	NA	NA	NA
1,3-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DICHLOROBENZENE	NA	NA	NA	NA
1,4-DIOXANE	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NA	NA	NA	NA
2,4-DINITROPHENOL	NA	NA	NA	NA
2,4-DINITROTOLUENE	NA	NA	NA	NA
2,6-DINITROTOLUENE	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NA	NA	NA	NA
2-CHLOROPHENOL	NA	NA	NA	NA
2-METHYLPHENOL	NA	NA	NA	NA
2-NITROANILINE	NA	NA	NA	NA
2-NITROPHENOL	NA	NA	NA	NA
3&4-METHYLPHENOL	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NA	NA	NA	NA
3-NITROANILINE	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NA	NA	NA	NA
4-CHLOROANILINE	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA
4-NITROANILINE	NA	NA	NA	NA
4-NITROPHENOL	NA	NA	NA	NA
ACETOPHENONE	NA	NA	NA	NA
ANILINE	NA	NA	NA	NA
ATRAZINE	NA	NA	NA	NA
AZOBENZENE	NA	NA	NA	NA
BENZALDEHYDE	NA	NA	NA	NA
BENZIDINE	NA	NA	NA	NA
BENZOIC ACID	NA	NA	NA	NA
BENZYL ALCOHOL	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NA	NA	NA	NA
CAPROLACTAM	NA	NA	NA	NA
CARBAZOLE	NA	NA	NA	NA
DIBENZOFURAN	NA	NA	NA	NA
DIETHYL PHTHALATE	NA	NA	NA	NA
DIMETHYL PHTHALATE	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	NA	NA	NA	NA
HEXACHLOROBENZENE	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NA	NA	NA	NA
HEXACHLOROETHANE	NA	NA	NA	NA
ISOPHORONE	NA	NA	NA	NA
NITROBENZENE	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NA	NA	NA	NA
PENTACHLOROPHENOL	NA	NA	NA	NA
PHENOL	NA	NA	NA	NA
PYRIDINE	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)				
1-METHYLNAPHTHALENE	11	3.9 U	3.9 U	3.9 U
2-METHYLNAPHTHALENE	13	3.9 U	3.9 U	3.9 U
ACENAPHTHENE	38 J	3.9 UJ	3.9 UJ	3.9 UJ
ACENAPHTHYLENE	3.9 U	3.9 U	3.9 U	3.9 U
ANTHRACENE	58 J	3.9 UJ	3.9 UJ	3.9 UJ
BAP EQUIVALENT-HALFND	203	3.9 U	3.9 U	3.9 U
BAP EQUIVALENT-POS	201	3.9 U	3.9 U	3.9 U
BENZO(A)ANTHRACENE	140 J	3.9 U	3.9 U	3.9 U
BENZO(A)PYRENE	160 J	3.9 UJ	3.9 UJ	3.9 UJ
BENZO(B)FLUORANTHENE	170 J	3.9 UJ	3.9 UJ	3.9 UJ
BENZO(B+K)FLUORANTHENE	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	140 J	3.9 UJ	3.9 UJ	3.9 UJ
BENZO(K)FLUORANTHENE	68 J	3.9 UJ	3.9 UJ	3.9 UJ
C1-CHRYSENES	240 J	NA	NA	NA

Table A-29
Summary of Analytical Results for Deep Subsurface Soils, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	SB-816	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-816-11	H-SB-817-11	H-SB-817-13	H-SB-817-15
SAMPLE DATE	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	11	11	13	15
BOTTOM DEPTH	11	11	13	15
C1-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	290 J	NA	NA	NA
C1-FLUORENES	79 U	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	220 J	NA	NA	NA
C2-CHRYSENES	140 J	NA	NA	NA
C2-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C2-FLUORENES	79 U	NA	NA	NA
C2-NAPHTHALENES	79 U	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	180 J	NA	NA	NA
C3-CHRYSENES	79 U	NA	NA	NA
C3-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C3-FLUORENES	79 U	NA	NA	NA
C3-NAPHTHALENES	79 U	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	100 J	NA	NA	NA
C4-CHRYSENES	79 U	NA	NA	NA
C4-CHRYSENES/BENZO(A)ANTHRACENES	NA	NA	NA	NA
C4-NAPHTHALENES	79 U	NA	NA	NA
C4-PHENANTHRENES/ANTHRACENES	79 U	NA	NA	NA
CHRYSENE	140 J	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	3.9 UJ	3.9 UJ	3.9 UJ	3.9 UJ
FLUORANTHENE	200 J	17 J	3.9 UJ	3.9 UJ
FLUORENE	42 J	3.9 UJ	3.9 UJ	3.9 UJ
INDENO(1,2,3-CD)PYRENE	94 J	3.9 UJ	3.9 UJ	3.9 UJ
NAPHTHALENE	3.9 U	3.9 U	3.9 U	3.9 U
PHENANTHRENE	170 J	3.9 UJ	3.9 UJ	3.9 UJ
PYRENE	340 J	3.9 U	3.9 U	3.9 U
TOTAL PAHS	1773	17	0 U	0 U
PESTICIDES/PCBS (UG/KG)				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
ALDRIN	NA	NA	NA	NA
ALPHA-BHC	NA	NA	NA	NA
ALPHA-CHLORDANE	NA	NA	NA	NA
AROCLOR-1016	NA	NA	NA	NA
AROCLOR-1221	NA	NA	NA	NA
AROCLOR-1232	NA	NA	NA	NA
AROCLOR-1242	NA	NA	NA	NA
AROCLOR-1248	NA	NA	NA	NA
AROCLOR-1254	NA	NA	NA	NA
AROCLOR-1260	NA	NA	NA	NA
BETA-BHC	NA	NA	NA	NA
DELTA-BHC	NA	NA	NA	NA
DIELDRIN	NA	NA	NA	NA
ENDOSULFAN I	NA	NA	NA	NA
ENDOSULFAN II	NA	NA	NA	NA
ENDOSULFAN SULFATE	NA	NA	NA	NA
ENDRIN	NA	NA	NA	NA
ENDRIN ALDEHYDE	NA	NA	NA	NA
ENDRIN KETONE	NA	NA	NA	NA
GAMMA-BHC (LINDANE)	NA	NA	NA	NA
GAMMA-CHLORDANE	NA	NA	NA	NA
HEPTACHLOR	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NA	NA	NA	NA
METHOXYCHLOR	NA	NA	NA	NA
TOTAL AROCLOR	NA	NA	NA	NA
TOXAPHENE	NA	NA	NA	NA
METALS (MG/KG)				
ANTIMONY	NA	NA	NA	NA
ARSENIC	NA	NA	NA	NA
BARIUM	NA	NA	NA	NA
BERYLLIUM	NA	NA	NA	NA
CADMIUM	NA	NA	NA	NA
CHROMIUM	NA	NA	NA	NA
COBALT	NA	NA	NA	NA
COPPER	NA	NA	NA	NA
IRON	NA	NA	NA	NA
LEAD	NA	NA	NA	NA
MANGANESE	NA	NA	NA	NA
MERCURY	NA	NA	NA	NA
MOLYBDENUM	NA	NA	NA	NA
NICKEL	NA	NA	NA	NA
SELENIUM	NA	NA	NA	NA
SILVER	NA	NA	NA	NA
THALLIUM	NA	NA	NA	NA
VANADIUM	NA	NA	NA	NA
ZINC	NA	NA	NA	NA

LOCATION	SB-816	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-816-11	H-SB-817-11	H-SB-817-13	H-SB-817-15
SAMPLE DATE	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	11	11	13	15
BOTTOM DEPTH	11	11	13	15
PETROLEUM HYDROCARBONS (UG/KG)				
DIESEL RANGE ORGANICS	NA	NA	NA	NA
GASOLINE RANGE ORGANICS	NA	NA	NA	NA
TPH (C09-C36)	NA	NA	NA	NA
TPH (C10-C32)	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (%)				
PERCENT SOLIDS	NA	NA	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (MG/KG)				
HEXAVALENT CHROMIUM	NA	NA	NA	NA
TOTAL ORGANIC CARBON	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (S.U.)				
PH	NA	NA	NA	NA
MISCELLANEOUS PARAMETERS (UG/KG)				
MERCURY (METHYL)	NA	NA	NA	NA
RADIONUCLIDES (PCI/G)				
ACTINIUM-228	NA	NA	NA	NA
ALUMINUM-26	NA	NA	NA	NA
AMERICIUM-241	NA	NA	NA	NA
ANTIMONY-124	NA	NA	NA	NA
ANTIMONY-125	NA	NA	NA	NA
BERYLLIUM-7	NA	NA	NA	NA
BISMUTH-212	NA	NA	NA	NA
BISMUTH-214	NA	NA	NA	NA
CERIUM-139	NA	NA	NA	NA
CERIUM-144	NA	NA	NA	NA
CESIUM-134	NA	NA	NA	NA
CESIUM-137	NA	NA	NA	NA
CHROMIUM-51	NA	NA	NA	NA
COBALT-56	NA	NA	NA	NA
COBALT-57	NA	NA	NA	NA
COBALT-58	NA	NA	NA	NA
COBALT-60	NA	NA	NA	NA
EUROPIUM-152	NA	NA	NA	NA
EUROPIUM-154	NA	NA	NA	NA
EUROPIUM-155	NA	NA	NA	NA
IODINE-131	NA	NA	NA	NA
IRON-59	NA	NA	NA	NA
LEAD-212	NA	NA	NA	NA
LEAD-214	NA	NA	NA	NA
MANGANESE-54	NA	NA	NA	NA
NIOBIUM-94	NA	NA	NA	NA
NIOBIUM-95	NA	NA	NA	NA
POTASSIUM-40	NA	NA	NA	NA
PROTACTINIUM-234	NA	NA	NA	NA
RADIUM-226	NA	NA	NA	NA
RUTHENIUM-106	NA	NA	NA	NA
SCANDIUM-46	NA	NA	NA	NA
SILVER-110	NA	NA	NA	NA
SODIUM-22	NA	NA	NA	NA
THALLIUM-208	NA	NA	NA	NA
THORIUM-227	NA	NA	NA	NA
THORIUM-234	NA	NA	NA	NA
URANIUM-235	NA	NA	NA	NA
ZINC-65	NA	NA	NA	NA

Definitions:
B = Blank contamination
J = Estimated
K = Biased high
L = Biased low
NA = Not Applicable or Not Available
R = Rejected
U = Non-detected

Table A-30
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-282	SB-282	SB-282
SAMPLE ID				H-SB-200RE-11	H-SB-200RE-12	H-SB-200RE-13	H-SB-200RE-14	H-SB-200RE-15	H-SB-282RE-11	H-SB-282RE-12	H-SB-282RE-13
SAMPLE DATE				20090928	20090928	20090928	20090928	20090928	20090929	20090929	20090929
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	12	13	14	15	11	12	13
BOTTOM DEPTH				11	12	13	14	15	11	12	13
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		67	165	848	14	120	1.6 U	16	1462
BAP EQUIVALENT-POS	22	15	C	66	165	848	13	119	1.6 U	14.715	1462
BENZO(A)ANTHRACENE	220	150	C	59	140	700	13	110	1.2 U	15	1400
BENZO(A)PYRENE	22	15	C	53	120	680	11	95	1.6 U	10	930
BENZO(B)FLUORANTHENE	220	150	C	46	110	630	9.5	82	1.5 U	13	1200
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	31	44	290	2 U	46	2.1 U	2 U	470
C1-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	63	140	730	12	110	1.1 U	15	1600
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	14	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	210
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	22	52	310	1.8 U	42	1.9 U	19	560
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		274	620	3340	45.5	485	0 U	72	6370

Table A-30
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-282	SB-282	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B	SB-282B
SAMPLE ID			H-SB-282RE-14	H-SB-282RE-15	H-SB-282REA-11	H-SB-282REA-13	H-SB-282REA-15	H-SB-282REB-11	H-SB-282REB-13	H-SB-282REB-15
SAMPLE DATE			20090929	20090929	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			14	15	11	13	15	11	13	15
BOTTOM DEPTH			14	15	11	13	15	11	13	15
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000 C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000 N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000 N[4]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000 N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15	5.3	1.6 U	1.6 U	409	33	49	373	1.6 U
BAP EQUIVALENT-POS	22	15 C	3.8	1.6 U	1.6 U	409	32	48	373	1.6 U
BENZO(A)ANTHRACENE	220	150 C	10	1.1 U	1.1 U	250	14	53	350	1.2 U
BENZO(A)PYRENE	22	15 C	1.5 U	1.6 U	1.6 U	290	27	35	240	1.6 U
BENZO(B)FLUORANTHENE	220	150 C	9.4	1.5 U	1.4 U	230	17	50	290	1.5 U
BENZO(G,H,I)PERYLENE	230000	170000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	2.1 U	2.1 U	150	9.8	25	120	2.1 U
C1-CHRYSENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000 C	11	1.1 U	1.1 U	230	14	63	400	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	1.6 U	1.6 U	54	1.4 U	1.5 U	51	1.6 U
FLUORANTHENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000 N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150 C	18	1.8 U	1.8 U	150	20	22	160	1.8 U
NAPHTHALENE	160000	3600 C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000 N[5]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000 N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC	48.4	0 U	0 U	1354	101.8	248	1611	0 U

Table A-30
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-282C	SB-282C	SB-282C	SB-282D	SB-282D	SB-282D	SB-285	SB-285
SAMPLE ID				H-SB-282REC-11	H-SB-282REC-13	H-SB-282REC-15	H-SB-282RED-11	H-SB-282RED-13	H-SB-282RED-15	H-SB-285RE-11	H-SB-285RE-12
SAMPLE DATE				20091110	20091110	20091110	20091110	20091110	20091110	20090925	20090925
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	13	15	11	13	15	11	12
BOTTOM DEPTH				11	13	15	11	13	15	11	12
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		2123	1250	289	1.5 U	225	1.5 U	1.5 U	1.5 U
BAP EQUIVALENT-POS	22	15	C	2121	1249	288	1.5 U	225	1.5 U	1.5 U	1.5 U
BENZO(A)ANTHRACENE	220	150	C	1800	1100	250	1.1 U	160	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1700	990	230	1.5 U	150	1.5 U	1.5 U	1.5 U
BENZO(B)FLUORANTHENE	220	150	C	1500	970	210	1.4 U	150	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	620	440	94	2 U	61	1.9 U	2 U	2 U
C1-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	2000	1100	270	1 U	180	1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.2 U	3.3 U	1.5 U	1.5 U	35	1.5 U	1.5 U	1.5 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	830	460	110	1.7 U	79	1.7 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		8450	5060	1164	0 U	815	0 U	0 U	0 U

Table A-30
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-286RE	SB-286RE	SB-286RE	SB-596	SB-596	SB-597	SB-597	SB-598
SAMPLE ID				H-SB-286RE-11	H-SB-286RE-12	H-SB-286RE-15	H-SB-596-11	H-SB-596-12	H-SB-597-11	H-SB-597-12	H-SB-598-11
SAMPLE DATE				20090925	20090925	20090925	20090929	20090929	20090928	20090928	20090929
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				11	12	15	11	12	11	12	11
BOTTOM DEPTH				11	12	15	11	12	11	12	11
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		34	33 U	1.6 U	2.6	130	1.5 U	1.6 U	1.6 U
BAP EQUIVALENT-POS	22	15	C	32	33 U	1.6 U	0.96	130	1.5 U	1.6 U	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.2 U	24 U	1.2 U	9.6	120	1.1 U	1.1 U	1.1 U
BENZO(A)PYRENE	22	15	C	1.6 U	33 U	1.6 U	1.5 U	83	1.5 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	220	31 U	1.5 U	1.4 U	80	1.4 U	1.4 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	140	44 U	2.1 U	2 U	37	2 U	2 U	2 U
C1-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	13	23 U	1.1 U	1.1 U	120	1.1 U	1.1 U	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	33 U	1.6 U	1.5 U	22	1.5 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	88	39 U	1.9 U	1.8 U	45	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		461	0 U	0 U	9.6	507	0 U	0 U	0 U

Table A-30
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-598	SB-599	SB-599	SB-612	SB-612	SB-612	SB-612	SB-613
SAMPLE ID				H-SB-598-12	H-SB-599-11	H-SB-599-12	H-SB-612-11	H-SB-612-11-AVG	H-SB-612-11-D	H-SB-612-12	H-SB-613-11
SAMPLE DATE				20090929	20090929	20090929	20090928	20090928	20090928	20090928	20090928
SAMPLE CODE				NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				12	11	12	11	11	11	12	11
BOTTOM DEPTH				12	11	12	11	11	11	12	11
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.6 U	15	36	9.4	59	108	1.6 U	89
BAP EQUIVALENT-POS	22	15	C	1.6 U	14	35	8.4	58	107	1.6 U	88
BENZO(A)ANTHRACENE	220	150	C	1.1 U	12	30	1.1 UJ	50.275	100 J	1.1 U	77
BENZO(A)PYRENE	22	15	C	1.6 U	10	27	8.4 J	46.2	84 J	1.6 U	68
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	9.6	24	1.5 UJ	43.375	86 J	1.4 U	84
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2.2 U	13	2.1 UJ	25.025	49 J	2 U	29
C1-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	11	32	12 J	54.5	97 J	1.1 U	87
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	18	23	1.8 UJ	19.45	38 J	1.8 U	35
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	60.6	149	20.4	237.2	454	0 U	380

Table A-30
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-613	SB-614	SB-614	SB-615	SB-615	SB-616	SB-616	SB-616
SAMPLE ID				H-SB-613-12	H-SB-614-11	H-SB-614-12	H-SB-615-11	H-SB-615-12	H-SB-616-11	H-SB-616-11-AVG	H-SB-616-11-D
SAMPLE DATE				20090928	20090925	20090925	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				12	11	12	11	12	11	11	11
BOTTOM DEPTH				12	11	12	11	12	11	11	11
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		43	35	100	11	21	116	60	3.9
BAP EQUIVALENT-POS	22	15	C	42	34	99	10	21	115	58	2.2
BENZO(A)ANTHRACENE	220	150	C	41	22	53	13	20	1.1 U	5.775	11
BENZO(A)PYRENE	22	15	C	33	28	81	9.1	17	1.6 U	1.6 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	34	25	83	1.4 U	16	1100 J	555.5	11 J
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	15	14	37	2 U	2 U	470 J	235.525	2.1 UJ
C1-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	39	24	73	11	22	47 J	30	13 J
DIBENZO(A,H)ANTHRACENE	22	15	C	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	17	16	44	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		179	129	371	33.1	75	1617	826	35

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-616	SB-617	SB-617	SB-617	SB-617	SB-618	SB-618	SB-619
SAMPLE ID				H-SB-616-12	H-SB-617-11	H-SB-617-11-AVG	H-SB-617-11-D	H-SB-617-12	H-SB-618-11	H-SB-618-12	H-SB-619-11
SAMPLE DATE				20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE				NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH				12	11	11	11	12	11	12	11
BOTTOM DEPTH				12	11	11	11	12	11	12	11
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)											
1-METHYLNAPHTHALENE	NC	22000	C	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	31000	31000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	470000	340000	N	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	470000	340000	N[4]	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	2300000	1700000	N	NA	NA	NA	NA	NA	NA	NA	NA
BAP EQUIVALENT-HALFND	22	15		1.5 U	1.6 U	6.7	13	31 U	1.5 U	2.9	1.6 U
BAP EQUIVALENT-POS	22	15	C	1.5 U	1.6 U	6.3	12	31 U	1.5 U	0.98	1.6 U
BENZO(A)ANTHRACENE	220	150	C	1.1 U	1.1 U	6.775	13	22 U	1.1 U	9.7	1.1 U
BENZO(A)PYRENE	22	15	C	1.5 U	1.6 U	5.15	9.5	31 U	1.5 U	1.7 U	1.6 U
BENZO(B)FLUORANTHENE	220	150	C	1.4 U	1.4 U	4.8	8.9	28 U	1.4 U	1.6 U	1.4 U
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	2200	1500	C	2 U	2 U	2 U	2 U	40 U	2 U	2.2 U	2 U
C1-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-CHRYSENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	22000	15000	C	1.1 U	1.1 U	6.275	12	21 U	1.1 U	9	1.1 U
DIBENZO(A,H)ANTHRACENE	22	15	C	1.5 U	1.6 U	1.6 U	1.6 U	31 U	1.5 U	1.7 U	1.6 U
FLUORANTHENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	310000	230000	N	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	220	150	C	1.8 U	1.8 U	1.8 U	1.8 U	35 U	1.8 U	1.9 U	1.8 U
NAPHTHALENE	160000	3600	C	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	2300000	170000	N[5]	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	230000	170000	N	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL PAHS	NC	NC		0 U	0 U	21.7	43.4	0 U	0 U	18.7	0 U

Table A-30
Detected Concentrations Table for Deep Subsurface Soil, 10+ feet - Block H
Lockheed Martin, Middle River Complex
Middle River, Maryland

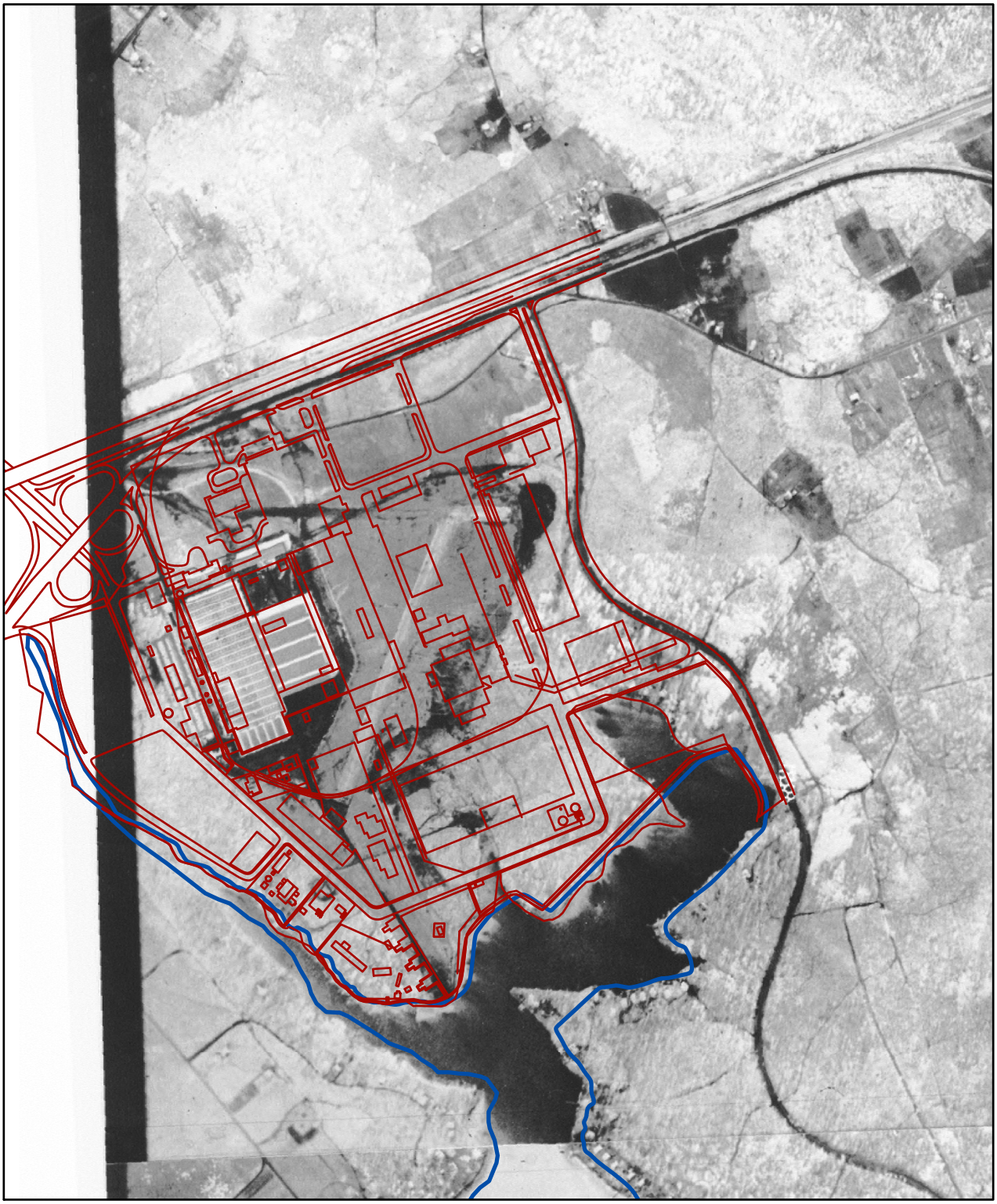
LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]	SB-619	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815	SB-816
SAMPLE ID			H-SB-619-12	H-SB-814-11	H-SB-814-13	H-SB-814-15	H-SB-815-11	H-SB-815-13	H-SB-815-15	H-SB-816-11
SAMPLE DATE			20090925	20100826	20100826	20100826	20100826	20100826	20100826	20100827
SAMPLE CODE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX			SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE			NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX			SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH			12	11	13	15	11	13	15	11
BOTTOM DEPTH			12	11	13	15	11	13	15	11
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)										
1-METHYLNAPHTHALENE	NC	22000 C	NA	4 U	4.1 U	3.9 U	3.9 U	4.2 U	4 U	11
2-METHYLNAPHTHALENE	31000	31000 N	NA	4 U	4.1 U	3.9 U	3.9 U	4.2 U	4 U	13
ACENAPHTHENE	470000	340000 N	NA	4 U	4.1 U	3.9 U	3.9 U	10	4 U	38 J
ACENAPHTHYLENE	470000	340000 N[4]	NA	4 U	4.1 U	8	3.9 U	9	4 U	3.9 U
ANTHRACENE	2300000	1700000 N	NA	4 U	4.1 U	12	3.9 U	45	4 U	58 J
BAP EQUIVALENT-HALFND	22	15	1.5 U	4 U	48	16	15	268	4 U	203
BAP EQUIVALENT-POS	22	15 C	1.5 U	4 U	46	14	13	268	4 U	201
BENZO(A)ANTHRACENE	220	150 C	1.1 U	4 U	27	11	3.9 U	140	4 U	140 J
BENZO(A)PYRENE	22	15 C	1.5 U	4 U	38	11	12	190	4 U	160 J
BENZO(B)FLUORANTHENE	220	150 C	1.4 U	4 U	34	9.2	11	180	4 U	170 J
BENZO(G,H,I)PERYLENE	230000	170000 N[5]	NA	4 U	29	9	9.9	160	4 U	140 J
BENZO(K)FLUORANTHENE	2200	1500 C	2 U	4 U	14	14	3.9 U	79	4 U	68 J
C1-CHRYSENES	NC	NC	NA	NA	NA	78 U	NA	NA	NA	240 J
C1-FLUORANTHENES/PYRENES	NC	NC	NA	NA	NA	78 U	NA	NA	NA	290 J
C1-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	78 U	NA	NA	NA	220 J
C2-CHRYSENES	NC	NC	NA	NA	NA	78 U	NA	NA	NA	140 J
C2-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	78 U	NA	NA	NA	180 J
C3-PHENANTHRENES/ANTHRACENES	NC	NC	NA	NA	NA	78 U	NA	NA	NA	100 J
CHRYSENE	22000	15000 C	1.1 U	1.3 UJ	26 J	1.3 UJ	1.3 UJ	170	1.3 UJ	140 J
DIBENZO(A,H)ANTHRACENE	22	15 C	1.5 U	4 U	4.1 U	3.9 U	3.9 U	33	4 U	3.9 UJ
FLUORANTHENE	310000	230000 N	NA	4 U	42	12	9.7	210	4 U	200 J
FLUORENE	310000	230000 N	NA	4 U	4.1 U	8.7	3.9 U	16	4 U	42 J
INDENO(1,2,3-CD)PYRENE	220	150 C	1.8 U	4 U	20	13	3.9 U	120	4 U	94 J
NAPHTHALENE	160000	3600 C	NA	4 U	4.1 U	3.9 U	3.9 U	10	4 U	3.9 U
PHENANTHRENE	2300000	170000 N[5]	NA	4 U	19	11	3.9 U	120	4 U	170 J
PYRENE	230000	170000 N	NA	4 U	82	12	17	320	4 U	340 J
TOTAL PAHS	NC	NC	0 U	0 U	331	130.9	59.6	1812	0 U	1773

LOCATION	MDE Cleanup Standards [1][3]	USEPA Regional Screening Levels (RSLs) [2][3]		SB-817	SB-817	SB-817
SAMPLE ID				H-SB-817-11	H-SB-817-13	H-SB-817-15
SAMPLE DATE				20100827	20100827	20100827
SAMPLE CODE				NORMAL	NORMAL	NORMAL
MATRIX				SO	SO	SO
SAMPLE TYPE				NORMAL	NORMAL	NORMAL
SUBMATRIX				SB	SB	SB
TOP DEPTH				11	13	15
BOTTOM DEPTH				11	13	15
POLYCYCLIC AROMATIC HYDROCARBONS (UG/KG)						
1-METHYLNAPHTHALENE	NC	22000	C	3.9 U	3.9 U	3.9 U
2-METHYLNAPHTHALENE	31000	31000	N	3.9 U	3.9 U	3.9 U
ACENAPHTHENE	470000	340000	N	3.9 UJ	3.9 UJ	3.9 UJ
ACENAPHTHYLENE	470000	340000	N[4]	3.9 U	3.9 U	3.9 U
ANTHRACENE	2300000	1700000	N	3.9 UJ	3.9 UJ	3.9 UJ
BAP EQUIVALENT-HALFND	22	15		3.9 U	3.9 U	3.9 U
BAP EQUIVALENT-POS	22	15	C	3.9 U	3.9 U	3.9 U
BENZO(A)ANTHRACENE	220	150	C	3.9 U	3.9 U	3.9 U
BENZO(A)PYRENE	22	15	C	3.9 UJ	3.9 UJ	3.9 UJ
BENZO(B)FLUORANTHENE	220	150	C	3.9 UJ	3.9 UJ	3.9 UJ
BENZO(G,H,I)PERYLENE	230000	170000	N[5]	3.9 UJ	3.9 UJ	3.9 UJ
BENZO(K)FLUORANTHENE	2200	1500	C	3.9 UJ	3.9 UJ	3.9 UJ
C1-CHRYSENES	NC	NC		NA	NA	NA
C1-FLUORANTHENES/PYRENES	NC	NC		NA	NA	NA
C1-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA
C2-CHRYSENES	NC	NC		NA	NA	NA
C2-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA
C3-PHENANTHRENES/ANTHRACENES	NC	NC		NA	NA	NA
CHRYSENE	22000	15000	C	1.3 U	1.3 U	1.3 U
DIBENZO(A,H)ANTHRACENE	22	15	C	3.9 UJ	3.9 UJ	3.9 UJ
FLUORANTHENE	310000	230000	N	17 J	3.9 UJ	3.9 UJ
FLUORENE	310000	230000	N	3.9 UJ	3.9 UJ	3.9 UJ
INDENO(1,2,3-CD)PYRENE	220	150	C	3.9 UJ	3.9 UJ	3.9 UJ
NAPHTHALENE	160000	3600	C	3.9 U	3.9 U	3.9 U
PHENANTHRENE	2300000	170000	N[5]	3.9 UJ	3.9 UJ	3.9 UJ
PYRENE	230000	170000	N	3.9 U	3.9 U	3.9 U
TOTAL PAHS	NC	NC		17	0 U	0 U

Notes:
1 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
2 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November 2010. Cancer (C) benchmark value = 1E-06, non-cancer (N) Hazard index (HI) = 0.1.
3 - Concentrations exceeding the MDE Cleanup Standard are shaded gray with black font. Concentrations exceeding the RSL for residential soil are shaded black with white font. Concentrations exceeding both the MDE Cleanup Standard and the RSL are shaded red with white font.
4 - The value for acenaphthene is used as a surrogate for acenaphthylene.
5 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.

C = Carcinogenic
N = Noncarcinogenic
NA = Not Applicable or Not Available
sat = Soil Saturation Concentration

APPENDIX B—HISTORIC AERIALS



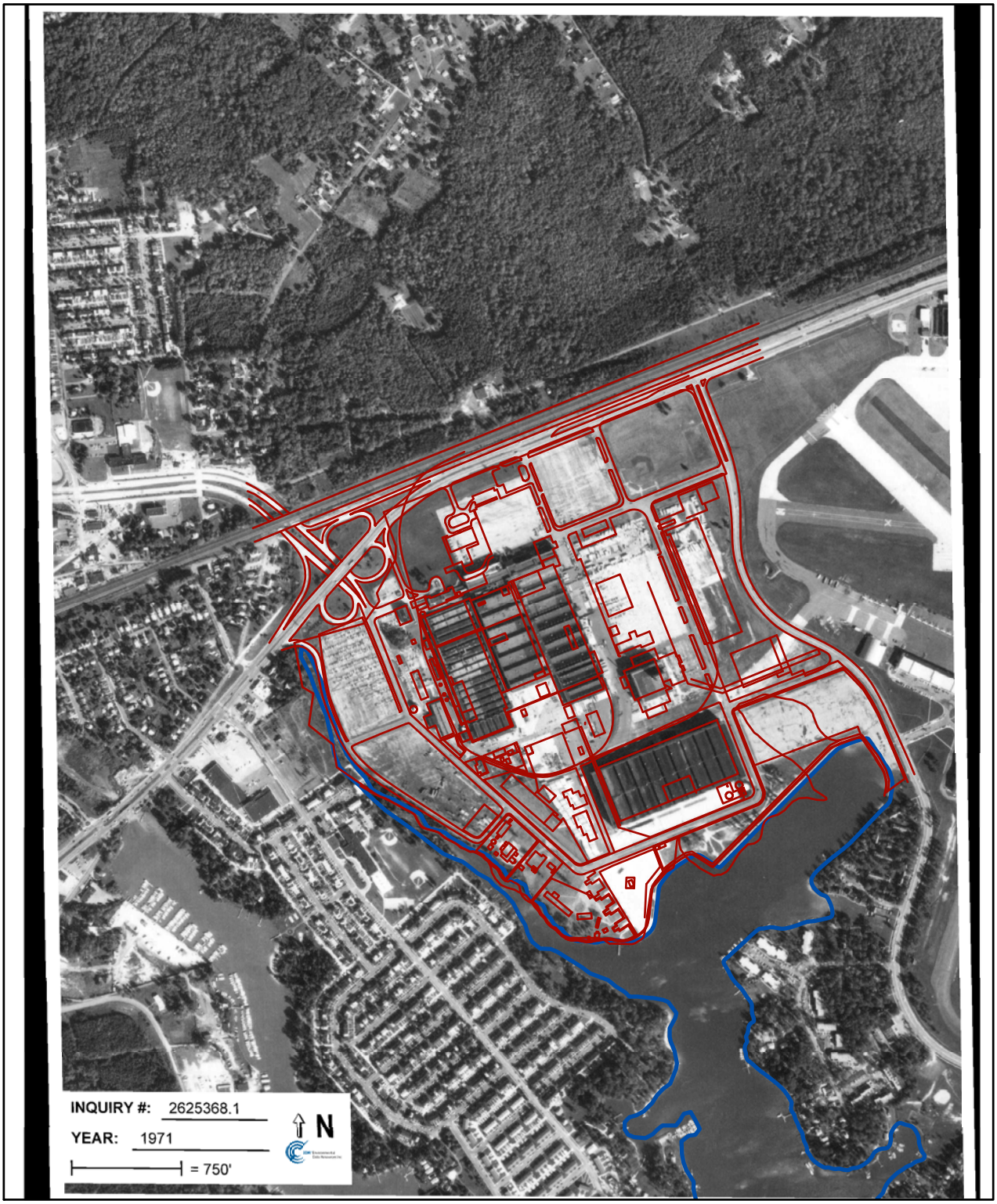
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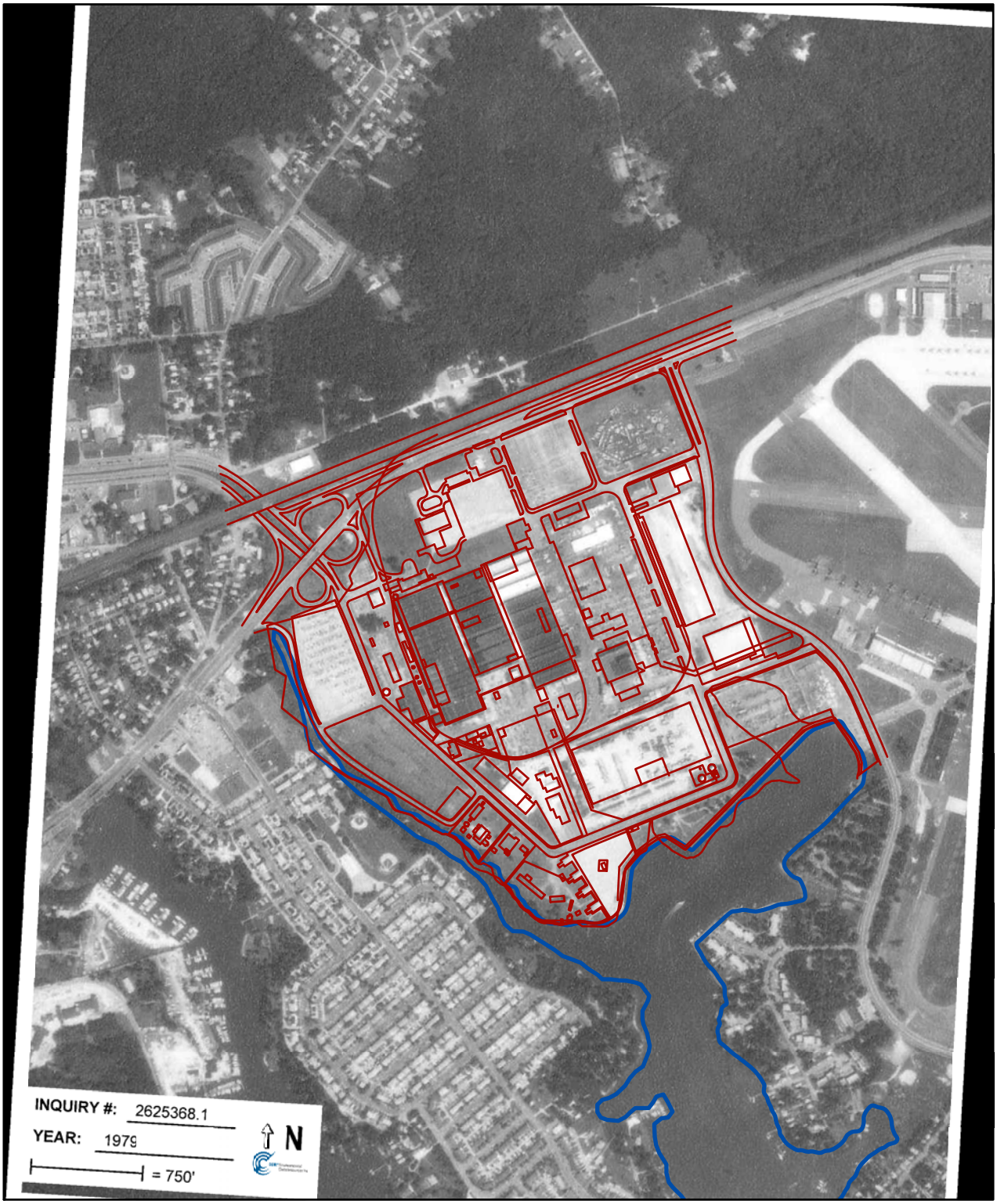
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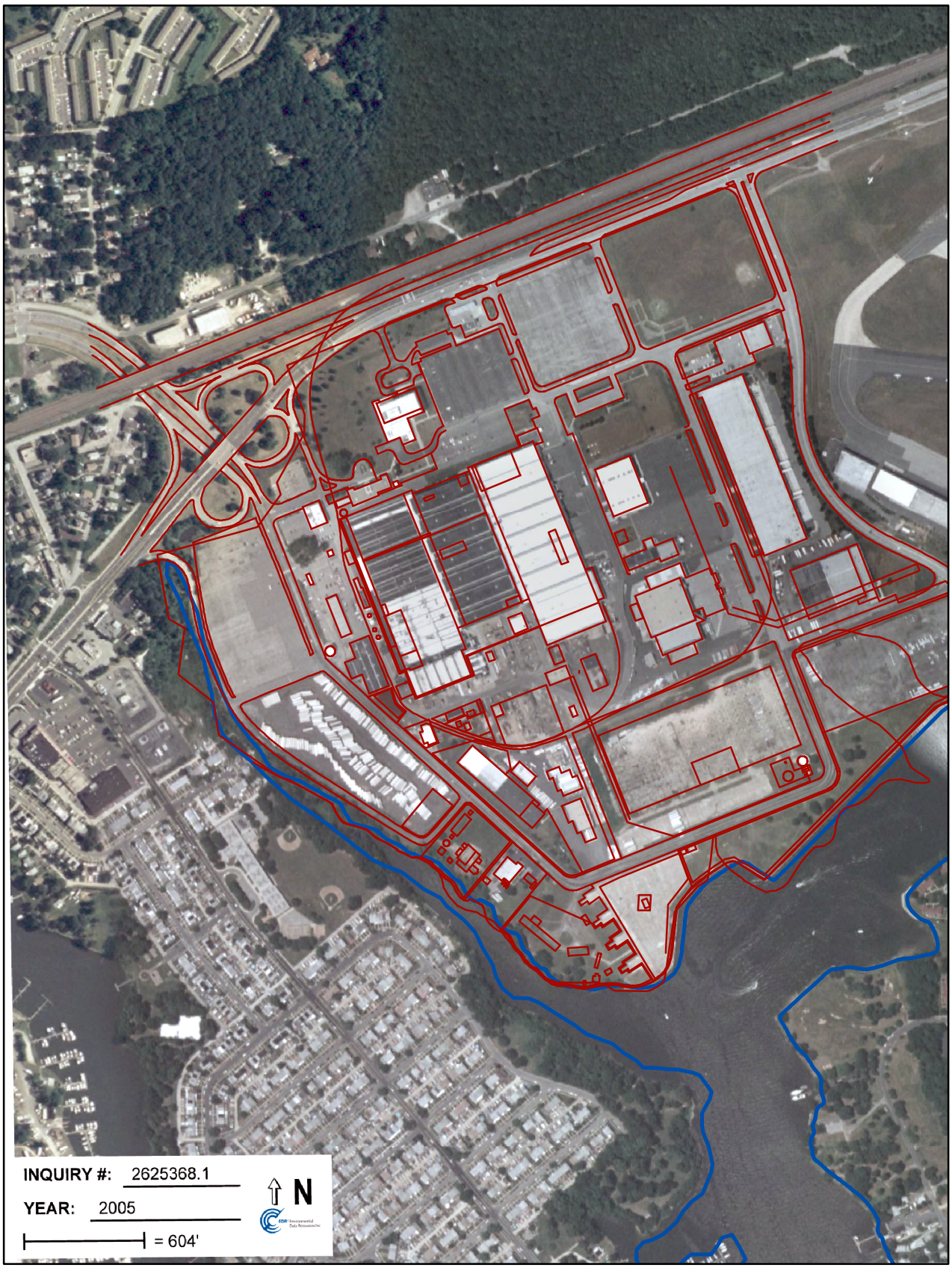
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APPENDIX C—STATE OF MARYLAND BACKGROUND DATA FOR ARSENIC

STATE OF MARYLAND

DEPARTMENT OF THE ENVIRONMENT

CLEANUP STANDARDS FOR SOIL AND GROUNDWATER

JUNE 2008

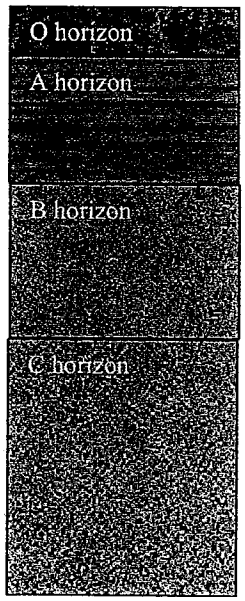
INTERIM FINAL GUIDANCE

(UPDATE No. 2.1)

Appendix 2

REFERENCE LEVELS OF METALS AND TRACE ELEMENTS IN SOILS OF MARYLAND

As Indicated by Background Soil Samples
Collected As Part of National Priorities List, Federal Facility,
And CERCLA Investigations Conducted
Throughout Maryland



INTRODUCTION

The 1980 Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) established a national process for investigating and remediating sites contaminated with hazardous substances. Since that time the environmental industry and government sectors have labored to establish cleanup standards that are practical and protective of human health and the environment.

One remediation approach commonly considered is clean up to "background." Many regulatory agencies define "background" as the concentration of a hazardous substance, if any, existing in the environment at the site prior to the release of a hazardous substance. The establishment of "background" as a cleanup standard results in the necessity of determining the concentration of a chemical prior to any releases. This approach is particularly significant when cleanup standards are being developed for naturally occurring metals and trace elements that are present in the soil.

The soil media is of particular concern during site investigations since it is commonly the first media that is impacted by a release of hazardous material. Soils also serve as the pathway to other environmental media, such as air (via dust) or groundwater (via seepage), or surface water (via runoff). As a result, establishing the "background" concentration for metals and trace elements in soils is one of the most critical components of a site investigation.

OBJECTIVE

The Annotated Code of Maryland § 7-501 defines "background level" as the level of a substance occurring naturally at the site prior to any manmade spill or release.

The objective of this study is to evaluate previously collected information on "background" concentrations of metals and trace elements in Maryland and use statistical methods to develop "reference levels" for metals and trace elements in the soil. The information generated from this study has been used by the MDE in developing cleanup standards for metals and trace elements in soil.

PROCESS

For the purpose of this study, the geographic area of the state has been divided into three provinces based upon broad differences in age, chemistry, and structure of the geologic units in each province. These provinces include Eastern Maryland, Central Maryland, and Western Maryland. Figure 1 depicts the boundaries of these provinces.

This study utilized laboratory derived analytical data collected on metals in soil from environmental investigations overseen by the MDE. The soil data used in this study were extracted from Federal Facility, National Priorities List, and CERCLA investigations completed throughout the state of Maryland. These soil samples were identified as "background" grab surface soil samples for the particular site subject to investigation by the MDE. A complete list of sites included in this study and the analytic results are provided in Attachment 1.

All soil samples were collected after 1990. The samples were analyzed using methods approved by the United States Environmental Protection Agency (EPA) and/or other approved methods for various programs within the MDE. Therefore, the data set used in this study is considered to be acceptable for the objectives identified.

STATISTICAL ANALYSIS

Statistical analyses were conducted on data for each analyte included in the investigation. The statistical analyses included the mean, standard deviation, and maximum and minimum values. Since each particular site investigation has specific sampling objectives, not all samples were analyzed for all metals included in this study. Analytes that were not analyzed were not included in the statistical analysis. If an analyte was not detected, then a value equivalent to half the detection limit was used in the statistical analysis unless otherwise noted. The results of the analysis are presented in Attachment 2.

Values defined as the "Anticipated Typical Concentration" represent "reference levels" for each analyte. The Anticipated Typical Concentration (ATC) represents the mean concentration plus one standard deviation. The ATC represents a value that either matches or exceeds the majority of background concentration samples. ATC values were calculated for metals and trace elements in each of the three provinces of the state of Maryland identified in this study.

SUMMARY TABLES

Background soil concentration data collected from environmental investigations overseen by the MDE for each geologic province is summarized in Attachment 1. Information present in Attachment 2 includes a statistical summary of metal species, the ATC, United States Geologic Survey (USGS) concentrations, and the proposed Maryland cleanup standards. The USGS concentrations represent the average concentrations of metals and trace elements in soils and other surficial material in the conterminous United States as reported by the USGS in 1984[1].

The proposed Maryland Cleanup Standards represent concentration levels at which no further remedial response action would be required based upon the potential threat posed by these substances to human health within the constraints of current knowledge. The soil concentration values for residential sites are intended for properties that are zoned for residential use, or have a projected future residential use.

RESULTS

Comparison of the ATC to the Proposed Maryland Cleanup Standards for Residential sites shows that the reference levels for the following elements exceed the Maryland Cleanup Standards:

	Anticipated Typical Concentration (ATC)			Proposed Maryland Cleanup Standards
Analyte	**Eastern Maryland**	**Central Maryland**	**Western Maryland**	**(residential)**
Aluminum	1.1 E+04	1.9 E+04	2.0 E+04	7.8 E+03
Arsenic	3.6 E+00	4.9 E+00	1.1 E+01	4.3 E-01
Chromium (total)	2.8 E+01	3.0 E+01	4.2 E+01	2.3 E+01
Iron	1.5 E+04	2.6 E+04	3.9 E+04	5.5 E+03
Manganese	4.8 E+02	1.4 E+03	1.5 E+03	1.6 E+02
Thallium	3.9 E+00	1.5 E+00	4.6 E+00	5.5 E-01
Vanadium	3.0 E+01	35 E+01	1.2 E+02	7.8 E+00

All values are reported in parts per million.

When an ATC concentration for a given province exceeds the "Proposed Maryland Cleanup Standards (Residential)", the ATC value for the appropriate province may be proposed as an acceptable alternative to the risk derived value presented in the "Proposed Maryland Cleanup Standards (Residential)."

DISCUSSION OF RESULTS

Several of the MDE derived reference levels for metals in soils exceed the proposed Maryland Cleanup Standards under a residential use setting. This result is a consequence of multiple factors and does not necessarily indicate that a hazard is posed to either human health or the environment in areas of the state where the reference levels exceed the proposed Residential Cleanup Standards.

The concentration of metals in soil under natural conditions are a result of both chemical and physical weathering processes on parent rock. The degree to which soils contain naturally occurring metals is dependent on the chemical make-up of the parent rock from which the soil was derived, and the degree of chemical and physical weathering and transport of eroded parent rock material to the soil media. This erosion and deposition relationship results in a high degree of variability with respect to the concentration of metals in soil.

All soil types contain metals. In most cases, the metals in the soil media are not present in their elemental form, but are present as ionic compounds. Ionic compounds are chemical combinations of metals (i.e. cations) and non-metals (i.e. anions) that bond together through a process of electron transfer. Metal compounds can form stable chemical complexes that exhibit markedly different characteristics from their elemental forms, and may pose less of a risk (i.e. lower bioavailability) to human health or the environment.

Metals that are bound up in relatively stable mineral complexes do not readily degrade and are not as readily bioavailable as metals in a pure form. Different valences of metals can produce dramatically different toxicities and different matrices may render them more or less bioavailable. These factors have ramifications for determining the potential health risks associated with metal reference concentrations that exceed soil Cleanup Standards. For example, property specific soil conditions such as moisture content, PH, cation exchange capacity, and total organic carbon content and the use of the land will affect the amount of metal species that are available to pose a health risk.

State and federal environmental regulatory programs routinely require the soil media to be tested by approved analytical laboratories for metal concentrations at properties subject to investigation. The laboratory analytical methods commonly used by regulatory programs do not, however, differentiate between metals that are in a pure form and metals that are bound up in chemical complexes. These analytical methods use acid digestions and other destructive methods to dissolve the soil, parent rock or organic complexes which results in the release of metals in a free state. The outcome of these analytical methods are concentrations that reflect the total amount of the elemental metal in the soil and do not typically consider the percentage of metal bound up in mineral or organic complexes.

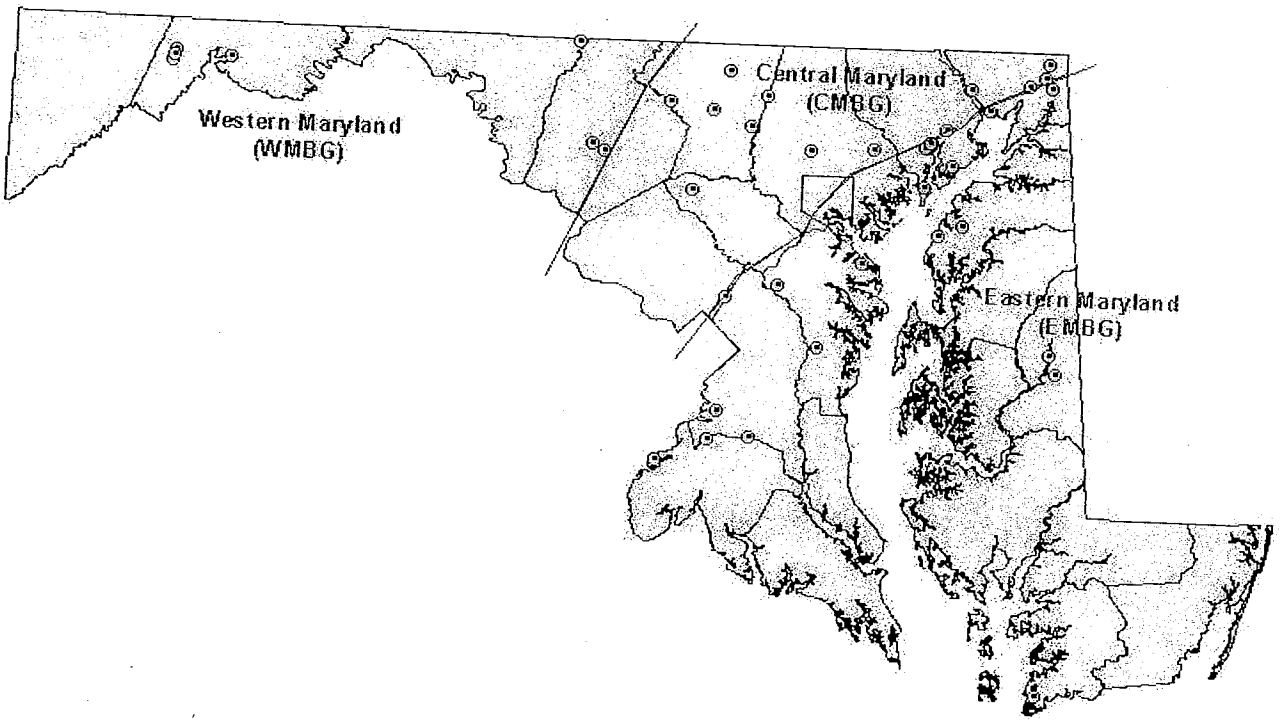
MDE derived reference levels for metals in the soil are intended to represent concentrations that exist in the natural environment absent anthropogenic effects. Comparison of the reference levels to USGS background metal concentrations in native soil for the Conterminous United States indicates a good correlation exists between the data sets. With the exception of Selenium and Antimony, all derived reference concentrations are within one order of magnitude of the USGS average concentrations. In many instances the reference concentrations are lower than the USGS background concentrations. In light of the conservative risk based approach used to derive the cleanup standards for metals (i.e. all metals present in soil are assumed to exist as bioavailable free metals), the option to use reference levels rather than the proposed Maryland Cleanup Standards is not expected to result in unacceptable levels of risk. This may be a viable alternative when analytical data indicates metal concentrations are above the standards.

STUDY LIMITATIONS

This investigation does not constitute a rigorous scientific analysis conducted in a controlled experimental setting. However, ATC reference levels can serve as general indicators of background levels of metals and trace elements in soil until a more rigorous and thorough background investigation can be completed.

REFERENCES

1) Shacklett, H.T. and Boerngenm, J.G., 1984: Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States; USGS Professional Paper 1270.



Appendix 2 – Figure 1

Location of hazardous substance properties used to derive reference levels for metals in Maryland. The State has been divided into three geological provinces for the purposes of developing regional reference levels.

APPENDIX 2 - ATTACHMENT 1

BACKGROUND SOIL METAL DATA FROM

MDE SITE INVESTIGATIONS USED IN THIS STUDY

EASTERN

Site Name	Province	Designation	Aluminum	Antimony	Arsenic	Barium
Aberdeen Proving Ground	EMBG	S-1	3.7E+03	*3.5E+00*	2.8E+00	1.8E+01
Aberdeen Proving Ground	EMBG	S-1 DUP	3.3E+03	*3.5E+00*	2.4E+00	2.1E+01
Aberdeen Proving Ground	EMBG	S-2	5.8E+03	*3.0E+00*	1.7E+00	2.7E+01
Aberdeen Proving Ground	EMBG	S-3	8.4E+03	*3.5E+00*	2.5E+00	6.5E+01
Aberdeen Proving Ground	EMBG	S-4	9.2E+03	*4.9E+00*	2.7E+00	4.7E+01
Aberdeen Proving Ground	EMBG	S-5	1.4E+03	*2.7E+00*	1.3E+00	1.1E+01
Aberdeen Proving Ground	EMBG	S-6	3.2E+03	*2.8E+00*	1.2E+00	1.0E+01
Aberdeen Proving Ground	EMBG	S-6 DUP	3.4E+03	*2.8E+00*	1.0E+00	1.1E+01
Aberdeen Proving Ground	EMBG	S-7	6.9E+03	*2.9E+00*	1.5E+00	5.7E+01
Aberdeen Proving Ground	EMBG	S-8	5.8E+03	*3.3E+00*	2.1E+00	4.2E+01
Aberdeen Proving Ground	EMBG	S-9	8.3E+03	*3.0E+00*	2.7E+00	4.4E+01
Aberdeen Proving Ground	EMBG	S-10	2.7E+03	*3.1E+00*	1.1E+00	1.2E+01
Aberdeen Proving Ground	EMBG	S-11	2.8E+03	*2.9E+00*	1.1E+00	1.7E+01
Aberdeen Proving Ground	EMBG	S-12	1.7E+04	*3.6E+00*	1.5E+00	9.0E+01
Aberdeen Proving Ground	EMBG	S-13	7.7E+03	*3.1E+00*	2.3E+00	5.6E+01
Aberdeen Proving Ground	EMBG	S-13 DUP	1.1E+04	*3.3E+00*	2.1E+00	6.4E+01
Aberdeen Proving Ground	EMBG	S-14	7.7E+03	*3.2E+00*	1.2E+00	9.0E+01
Aberdeen Proving Ground	EMBG	S-15	2.6E+03	*3.0E+00*	*1.2E-01*	9.8E+00
Aberdeen Proving Ground	EMBG	S-16	9.6E+03	*3.1E+00*	3.0E+00	3.6E+01
Aberdeen Proving Ground	EMBG	S-17	4.8E+03	*3.1E+00*	2.1E+00	3.3E+01
Aberdeen Proving Ground	EMBG	S-17 DUP	5.6E+03	*3.0E+00*	2.0E+00	3.5E+01
Aberdeen Proving Ground	EMBG	S-18	5.9E+03	*3.2E+00*	1.3E+00	2.0E+01
Aberdeen Proving Ground	EMBG	S-19	1.6E+04	*3.1E+00*	2.4E+00	7.4E+01
Aberdeen Proving Ground	EMBG	S-20	8.5E+03	*3.1E+00*	2.2E+00	3.4E+01
Aberdeen Proving Ground	EMBG	S-21	9.8E+03	*3.0E+00*	3.7E+00	4.5E+01
Aberdeen Proving Ground	EMBG	S-23	6.1E+03	*3.2E+00*	2.9E+00	5.4E+01
Aberdeen Proving Ground	EMBG	S-24	1.3E+04	*3.2E+00*	3.5E+00	6.3E+01
Aberdeen Proving Ground	EMBG	S-25	1.1E+04	*3.5E+00*	3.2E+00	8.1E+01
Aberdeen Proving Ground	EMBG	S-26	7.3E+03	*3.3E+00*	2.8E+00	6.2E+01
Aberdeen Proving Ground	EMBG	S-27	8.4E+03	*3.0E+00*	3.7E+00	4.4E+01
Aberdeen Proving Ground	EMBG	S-28	9.1E+03	*2.9E+00*	1.5E+00	4.7E+01
Aberdeen Proving Ground	EMBG	S-29	4.6E+03	*3.5E+00*	2.2E+00	1.8E+01
Aberdeen Proving Ground	EMBG	S-30	5.9E+03	*3.3E+00*	3.5E+00	2.4E+01
Indian Head	EMBG	BGDSS0010101	1.1E+04	*5.1E-01*	2.1E+00	5.2E+01
Indian Head	EMBG	BGDSS0020101	2.0E+03	*2.1E-01*	7.8E-01	1.3E+01
Indian Head	EMBG	BGDSS0030101	1.0E+04	*5.1E-01*	3.2E+00	6.7E+01
Indian Head	EMBG	BGDSS0040101	7.5E+03	*7.1E-01*	2.8E+00	4.8E+01
Indian Head	EMBG	BGDSS0050101	7.5E+03	*5.3E-01*	2.5E+00	3.6E+01

EASTERN

Indian Head	EMBG	BGDSS0060101	2.6E+03	*5.4E-01*	1.7E+00	1.9E+01
Indian Head	EMBG	BGDSS0070101	1.1E+04	*4.2E-01*	2.1E+00	3.7E+01
Indian Head	EMBG	BGDSS0080101	1.3E+04	*4.2E-01*	3.1E+00	4.6E+01
Indian Head	EMBG	BGDSS0090101	6.5E+03	*2.8E-01*	8.5E-01	3.4E+01
Indian Head	EMBG	BGDSS0100101	6.2E+03	*4.8E-01*	2.5E+00	3.1E+01
Indian Head	EMBG	S25-MW03-001	4.0E+03	*1.8E-01*	2.2E+00	3.0E+01
Indian Head	EMBG	S26-MW03-001	1.3E+04	*1.9E-01*	3.3E+00	8.5E+01
Fort Meade	EMBG	SSB-1	7.0E+03	*2.5E+00*	1.0E+00	*2.0E+01*
Fort Meade	EMBG	SSB-2	5.6E+03	*2.5E+00*	2.8E+00	*2.0E+01*
Fort Meade	EMBG	SSB-3	2.5E+03	*2.5E+00*	1.1E+00	*2.0E+01*
Fort Meade	EMBG	SSB-4	1.8E+03	*2.5E+00*	1.2E+00	*2.0E+01*
Fort Meade	EMBG	SSB-4X	1.8E+03	*2.5E+00*	1.3E+00	*2.0E+01*
Fort Meade	EMBG	SSB-5	3.0E+03	*2.5E+00*	1.3E+00	*2.0E+01*
Tolchester	EMBG	MCHT13-S-4	1.1E+04	*4.0E+00*	4.0E+00	7.9E+01
Crisfield City Dump	EMBG	Background Soil	1.1E+04	*6.0E+00*	1.5E+00	3.8E+01
Old Fort Road	EMBG	Background Soil	1.8E+04	*6.0E+00*	2.9E+00	5.0E+01
Nicholson Landfill	EMBG	Background Soil	5.5E+03	NA	2.7E+00	3.0E+01
Union Road	EMBG	Background Soil	8.4E+03	1.7E+00	3.9E+00	7.2E+01
Braxton Property	EMBG	Background Soil	1.6E+04	*6.0E+00*	6.1E+00	5.5E+01
Abingdon Landfill	EMBG	Background Soil	7.3E+03	*4.0E+00*	2.6E+00	3.9E+01
Waldorf Control	EMBG	Background Soil	6.3E+03	*6.0E+00*	4.0E+00	5.2E+01
Vicon	EMBG	Background Soil	5.0E+03	9.6E+00	2.6E+00	2.0E+01
Firestone Perryville	EMBG	Background Soil	4.6E+03	5.2E+00	2.2E+00	3.4E+01
SkipJack Chemicals	EMBG	Background Soil	6.8E+03	6.0E+00	*1.0E+00*	3.2E+01
Old West Denton Landfill	EMBG	Background Soil	2.4E+03	NA	*1.0E+00*	1.7E+01
Fort Smallwood Control	EMBG	Background Soil	1.9E+03	*6.0E+00*	*1.0E+00*	1.0E+01
Fort Smallwood Launch	EMBG	Background Soil	1.9E+03	*6.0E+00*	2.1E+00	1.1E+01
Davidsonville Launch	EMBG	Background Soil	1.1E+04	*1.6E+01*	6.9E+00	1.2E+02
US Naval Research Lab Waldorf	EMBG	SO 54A	2.3E+03	*6.0E+00*	*1.0E+00*	*2.0E+01*
US Naval Research Lab Waldorf	EMBG	SO 54B	3.4E+03	*6.0E+00*	*1.0E+00*	*2.0E+01*
US Naval Research Lab Waldorf	EMBG	SO 55A	7.3E+03	*6.0E+00*	*1.0E+00*	5.8E+01
US Naval Research Lab Waldorf	EMBG	SO 55B	4.5E+03	*6.0E+00*	2.5E+00	*2.0E+01*
US Naval Research Lab Waldorf	EMBG	SO 56	6.6E+03	*6.0E+00*	1.8E+00	4.1E+01
US Naval Research Lab Waldorf	EMBG	SO 57	6.4E+03	*6.0E+00*	2.5E+00	*2.0E+01*
US Naval Research Lab Waldorf	EMBG	S0 58	1.1E+04	*6.0E+00*	2.5E+00	*2.0E+01*
US Naval Research Lab Waldorf	EMBG	SO 59	1.0E+04	*6.0E+00*	4.9E+00	1.7E+02
US Naval Research Lab Waldorf	EMBG	SO 59(D)	1.0E+04	*6.0E+00*	5.2E+00	1.6E+02
US Naval Research Lab Waldorf	EMBG	SO 60	1.1E+04	*6.0E+00*	3.7E+00	7.4E+01

EMBG = Eastern Maryland Background, CMBG = Central Maryland Background, WMBG = Western Maryland Background. All values reported in parts per million. Not detected analytes reported at one half the detection limit. Not detected analytes italicized. NA = not applicable.

EASTERN

Site Name	Province	Designation	Beryllium	Cadmium	Calcium	Chromium (Total)	Cobalt
Aberdeen Proving Ground	EMBG	S-1	*3.5E-01*	*3.5E-01*	1.4E+02	6.7E+00	2.6E+00
Aberdeen Proving Ground	EMBG	S-1 DUP	*3.5E-01*	*3.5E-01*	1.9E+02	7.0E+00	2.0E+00
Aberdeen Proving Ground	EMBG	S-2	*3.0E-01*	*3.0E-01*	1.4E+02	6.1E+00	6.4E+00
Aberdeen Proving Ground	EMBG	S-3	*3.5E-01*	*3.5E-01*	1.3E+03	3.5E+01	9.2E+00
Aberdeen Proving Ground	EMBG	S-4	1.4E+00	*4.9E-01*	1.1E+03	1.2E+01	1.6E+01
Aberdeen Proving Ground	EMBG	S-5	*2.7E-01*	*2.7E-01*	6.7E+01	3.5E+00	1.2E+00
Aberdeen Proving Ground	EMBG	S-6	*2.8E-01*	*2.8E-01*	7.6E+01	3.6E+00	6.8E-01
Aberdeen Proving Ground	EMBG	S-6 DUP	*2.8E-01*	*2.8E-01*	6.4E+01	4.4E+00	1.2E+00
Aberdeen Proving Ground	EMBG	S-7	6.2E-01	*2.9E-01*	4.8E+02	*1.2E+01*	6.9E+00
Aberdeen Proving Ground	EMBG	S-8	*3.3E-01*	*3.3E-01*	6.9E+02	1.4E+01	9.1E+00
Aberdeen Proving Ground	EMBG	S-9	*3.0E-01*	*3.0E-01*	7.2E+02	1.7E+01	3.9E+00
Aberdeen Proving Ground	EMBG	S-10	*3.1E-01*	*3.1E-01*	7.1E+01	7.5E+00	*6.2E-01*
Aberdeen Proving Ground	EMBG	S-11	*2.9E-01*	*2.9E-01*	1.4E+03	5.3E+00	1.1E+00
Aberdeen Proving Ground	EMBG	S-12	1.1E+00	*3.6E-01*	8.6E+02	2.9E+01	1.5E+01
Aberdeen Proving Ground	EMBG	S-13	*3.0E-01*	*3.0E-01*	1.0E+03	7.1E+01	1.9E+01
Aberdeen Proving Ground	EMBG	S-13 DUP	*3.2E-01*	*3.2E-01*	1.1E+03	6.7E+01	1.6E+01
Aberdeen Proving Ground	EMBG	S-14	*3.2E-01*	*3.2E-01*	6.4E+02	9.4E+00	5.2E+00
Aberdeen Proving Ground	EMBG	S-15	*3.0E-01*	*3.0E-01*	8.2E+01	*1.9E+01*	1.8E+00
Aberdeen Proving Ground	EMBG	S-16	*3.0E-01*	*3.0E-01*	9.2E+01	1.8E+01	5.1E+00
Aberdeen Proving Ground	EMBG	S-17	*3.1E-01*	*3.1E-01*	2.2E+03	1.3E+01	3.6E+00
Aberdeen Proving Ground	EMBG	S-17 DUP	*3.0E-01*	*3.0E-01*	1.8E+03	1.3E+01	3.9E+00
Aberdeen Proving Ground	EMBG	S-18	*3.2E-01*	*3.2E-01*	7.2E+01	1.0E+01	1.5E+00
Aberdeen Proving Ground	EMBG	S-19	7.6E-01	*3.1E-01*	7.4E+02	1.8E+01	1.2E+01
Aberdeen Proving Ground	EMBG	S-20	*3.1E-01*	*3.1E-01*	1.3E+02	1.2E+01	3.6E+00
Aberdeen Proving Ground	EMBG	S-21	*3.0E-01*	*3.0E-01*	3.6E+02	1.4E+01	5.3E+00
Aberdeen Proving Ground	EMBG	S-23	9.0E-01	*3.1E-01*	6.2E+02	1.3E+01	1.4E+01
Aberdeen Proving Ground	EMBG	S-24	7.5E-01	*3.1E-01*	1.2E+02	1.6E+01	2.6E+01
Aberdeen Proving Ground	EMBG	S-25	*3.5E-01*	1.4E+00	9.2E+02	1.7E+01	5.0E+00
Aberdeen Proving Ground	EMBG	S-26	*3.2E-01*	*3.2E-01*	1.3E+03	1.5E+01	9.1E+00
Aberdeen Proving Ground	EMBG	S-27	*3.0E-01*	*3.0E-01*	9.8E+02	1.1E+01	6.6E+00
Aberdeen Proving Ground	EMBG	S-28	*2.9E-01*	*2.9E-01*	1.8E+02	2.8E+01	1.6E+01
Aberdeen Proving Ground	EMBG	S-29	*3.5E-01*	*3.5E-01*	1.1E+02	8.7E+00	2.0E+00
Aberdeen Proving Ground	EMBG	S-30	*3.3E-01*	*3.3E-01*	1.1E+02	4.3E+01	2.7E+00
Indian Head	EMBG	BGDSS0010101	5.6E-01	*6.5E-02*	1.2E+02	1.3E+01	4.2E+00
Indian Head	EMBG	BGDSS0020101	*5.0E-02*	*5.5E-02*	9.9E+01	3.5E+00	5.8E-01
Indian Head	EMBG	BGDSS0030101	5.3E-01	*6.0E-02*	1.3E+02	1.9E+01	1.5E+01
Indian Head	EMBG	BGDSS0040101	5.3E-01	*6.5E-02*	1.4E+02	1.3E+01	7.9E+00
Indian Head	EMBG	BGDSS0050101	1.7E-01	*7.0E-02*	1.1E+02	1.3E+01	2.3E+00

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Indian Head	EMBG	BGDSS0060101	4.7E-01	2.5E-01	2.8E+02	1.2E+01	3.0E+00
Indian Head	EMBG	BGDSS0070101	3.4E-01	2.2E-01	1.4E+02	1.3E+01	2.5E+00
Indian Head	EMBG	BGDSS0080101	6.0E-01	2.6E-01	1.5E+02	1.6E+01	4.2E+00
Indian Head	EMBG	BGDSS0090101	2.4E-01	1.5E-01	1.5E+02	7.7E+00	2.2E+00
Indian Head	EMBG	BGDSS0100101	1.5E-01	*1.4E-01*	1.2E+02	9.2E+00	2.7E+00
Indian Head	EMBG	S25-MW03-001	2.0E-01	5.4E-01	1.0E+02	1.1E+01	3.5E+00
Indian Head	EMBG	S26-MW03-001	6.1E-01	*2.9E-01*	4.1E+02	2.1E+01	1.5E+01
Fort Meade	EMBG	SSB-1	3.8E-01	*2.5E-01*	8.3E+02	1.4E+01	4.3E+00
Fort Meade	EMBG	SSB-2	6.3E-01	*2.5E-01*	7.7E+02	9.4E+00	4.4E+00
Fort Meade	EMBG	SSB-3	1.1E-01	*2.5E-01*	*5.0E+01*	6.0E+00	*1.0E+00*
Fort Meade	EMBG	SSB-4	1.7E-01	*2.5E-01*	*5.0E+01*	6.4E+00	*1.0E+00*
Fort Meade	EMBG	SSB-4X	1.2E-01	*2.5E-01*	*5.0E+01*	7.0E+00	*1.0E+00*
Fort Meade	EMBG	SSB-5	1.7E-01	*2.5E-01*	*5.0E+01*	1.2E+01	2.7E+00
Tolchester	EMBG	MCHT13-S-4	*5.0E-01*	3.1E-01	9.5E+02	1.4E+01	9.0E+00
Crisfield City Dump	EMBG	Background Soil	2.3E-01	*5.0E-01*	4.3E+03	1.1E+01	1.2E+00
Old Fort Road	EMBG	Background Soil	4.8E-01	*5.0E-01*	7.7E+01	1.8E+01	3.5E+00
Nicholson Landfill	EMBG	Background Soil	7.1E-01	NA	7.7E+02	9.2E+00	3.8E+00
Union Road	EMBG	Background Soil	4.8E-01	*5.0E-01*	1.2E+03	5.7E+01	1.3E+01
Braxton Property	EMBG	Background Soil	5.3E-01	*5.0E-01*	3.5E+02	2.4E+01	1.2E+01
Abingdon Landfill	EMBG	Background Soil	3.9E-01	*1.0E+00*	2.8E+02	8.3E+00	7.0E+00
Waldorf Control	EMBG	Background Soil	NA	*5.0E-01*	1.3E+03	1.4E+01	6.5E+00
Vicon	EMBG	Background Soil	1.8E-01	9.0E-01	9.9E+01	1.7E+01	1.9E+00
Firestone Perryville	EMBG	Background Soil	4.0E-01	*5.0E-01*	9.7E+02	2.0E+01	4.8E+00
SkipJack Chemicals	EMBG	Background Soil	*5.0E-01*	*5.0E-01*	1.3E+03	7.1E+00	*5.0E+00*
Old West Denton Landfill	EMBG	Background Soil	*5.0E-01*	*5.0E-01*	3.8E+02	2.0E+00	*5.0E+00*
Fort Smallwood Control	EMBG	Background Soil	*5.0E-01*	*5.0E-01*	*5.0E+02*	3.4E+00	*5.0E+00*
Fort Smallwood Launch	EMBG	Background Soil	*5.0E-01*	*5.0E-01*	1.1E+02	3.9E+00	*5.0E+00*
Davidsonville Launch	EMBG	Background Soil	9.2E-01	1.0E+00	1.8E+03	2.6E+01	3.5E+00
US Naval Research Lab Waldorf	EMBG	SO 54A	*5.0E-01*	*5.0E-01*	*5.0E+02*	4.0E+00	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	SO 54B	*5.0E-01*	*5.0E-01*	*5.0E+02*	7.4E+00	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	SO 55A	*5.0E-01*	*5.0E-01*	*5.0E+02*	1.1E+01	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	SO 55B	*5.0E-01*	*5.0E-01*	*5.0E+02*	6.3E+00	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	SO 56	*5.0E-01*	*5.0E-01*	*5.0E+02*	1.1E+01	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	SO 57	*5.0E-01*	*5.0E-01*	*5.0E+02*	1.8E+01	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	S0 58	*5.0E-01*	*5.0E-01*	*5.0E+02*	1.9E+01	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	SO 59	1.0E+00	1.9E+00	1.4E+03	1.7E+01	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	SO 59(D)	*5.0E-01*	1.3E+00	1.4E+03	1.7E+01	*5.0E+00*
US Naval Research Lab Waldorf	EMBG	SO 60	*5.0E-01*	1.3E+00	*5.0E+02*	2.5E+01	*5.0E+00*

EMBG = Eastern Maryland Background, CMBG = Central Maryland Background, WMBG = Western Maryland Background. All values reported in parts per million. Not detected analytes reported at one half the detection limit. Not detected analytes italicized. NA = not applicable.

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Site Name	Province	Designation	Copper	Iron	Lead	Magnesium	Manganese
Aberdeen Proving Ground	EMBG	S-1	8.4E+00	5.1E+03	5.0E+01	2.0E+02	5.9E+01
Aberdeen Proving Ground	EMBG	S-1 DUP	8.6E+00	4.7E+03	5.0E+01	2.1E+02	5.0E+01
Aberdeen Proving Ground	EMBG	S-2	5.1E+00	5.4E+03	1.0E+01	3.6E+02	1.9E+02
Aberdeen Proving Ground	EMBG	S-3	2.8E+01	1.8E+04	1.2E+02	2.1E+03	3.0E+02
Aberdeen Proving Ground	EMBG	S-4	1.3E+01	8.9E+03	3.0E+01	1.5E+03	1.8E+02
Aberdeen Proving Ground	EMBG	S-5	4.8E+00	2.6E+03	1.4E+01	9.5E+01	6.9E+00
Aberdeen Proving Ground	EMBG	S-6	3.3E+00	3.6E+03	8.0E+00	2.0E+02	1.2E+01
Aberdeen Proving Ground	EMBG	S-6 DUP	3.4E+00	3.6E+03	9.8E+00	2.2E+02	9.2E+00
Aberdeen Proving Ground	EMBG	S-7	5.9E+00	1.0E+04	1.1E+01	1.1E+03	4.0E+02
Aberdeen Proving Ground	EMBG	S-8	1.4E+01	1.2E+04	3.0E+01	7.1E+02	2.6E+02
Aberdeen Proving Ground	EMBG	S-9	7.7E+00	1.5E+04	1.3E+01	1.2E+03	1.1E+02
Aberdeen Proving Ground	EMBG	S-10	3.7E+00	4.2E+03	8.6E+00	1.3E+02	8.4E+00
Aberdeen Proving Ground	EMBG	S-11	4.0E+00	4.5E+03	1.1E+01	2.0E+02	4.0E+01
Aberdeen Proving Ground	EMBG	S-12	2.3E+01	2.4E+04	2.1E+01	3.9E+03	1.0E+03
Aberdeen Proving Ground	EMBG	S-13	1.3E+01	1.6E+04	3.0E+01	1.4E+03	6.5E+02
Aberdeen Proving Ground	EMBG	S-13 DUP	1.4E+01	1.7E+04	2.7E+01	1.7E+03	5.3E+02
Aberdeen Proving Ground	EMBG	S-14	5.6E+00	8.6E+03	1.6E+01	8.8E+02	2.7E+02
Aberdeen Proving Ground	EMBG	S-15	4.6E+00	3.2E+03	5.5E+00	6.3E+01	5.0E+00
Aberdeen Proving Ground	EMBG	S-16	5.7E+00	1.5E+04	2.2E+01	6.9E+02	1.5E+02
Aberdeen Proving Ground	EMBG	S-17	9.3E+00	9.3E+03	3.0E+01	8.1E+02	1.7E+02
Aberdeen Proving Ground	EMBG	S-17 DUP	8.7E+00	9.4E+03	2.7E+01	8.7E+02	1.5E+02
Aberdeen Proving Ground	EMBG	S-18	3.0E+00	7.6E+03	1.2E+01	3.6E+02	2.1E+01
Aberdeen Proving Ground	EMBG	S-19	1.6E+01	1.9E+04	1.6E+01	3.1E+03	5.6E+02
Aberdeen Proving Ground	EMBG	S-20	5.0E+00	1.2E+04	1.6E+01	1.0E+03	7.2E+01
Aberdeen Proving Ground	EMBG	S-21	7.5E+00	1.4E+04	2.2E+01	9.8E+02	2.9E+02
Aberdeen Proving Ground	EMBG	S-23	8.0E+00	9.8E+03	2.0E+01	4.7E+02	1.1E+03
Aberdeen Proving Ground	EMBG	S-24	6.7E+00	1.7E+04	3.4E+01	1.1E+03	1.1E+03
Aberdeen Proving Ground	EMBG	S-25	1.3E+01	2.0E+04	5.7E+01	1.4E+03	4.4E+02
Aberdeen Proving Ground	EMBG	S-26	1.5E+01	1.5E+04	2.1E+01	1.2E+03	4.5E+02
Aberdeen Proving Ground	EMBG	S-27	6.2E+00	1.4E+04	2.0E+01	1.3E+03	2.2E+02
Aberdeen Proving Ground	EMBG	S-28	1.2E+01	1.9E+04	1.7E+01	5.7E+02	7.1E+02
Aberdeen Proving Ground	EMBG	S-29	9.3E+00	8.9E+03	2.8E+01	3.4E+02	3.7E+01
Aberdeen Proving Ground	EMBG	S-30	3.6E+00	1.8E+04	1.2E+01	3.7E+02	5.2E+01
Indian Head	EMBG	BGDSS0010101	4.6E+00	9.4E+03	7.4E+00	7.1E+02	2.5E+02
Indian Head	EMBG	BGDSS0020101	1.8E+00	2.8E+03	9.0E+00	1.4E+02	2.5E+01
Indian Head	EMBG	BGDSS0030101	5.4E+00	1.5E+04	1.0E+01	7.5E+02	3.8E+02
Indian Head	EMBG	BGDSS0040101	5.4E+00	1.2E+04	9.4E+00	5.7E+02	1.8E+02
Indian Head	EMBG	BGDSS0050101	4.6E+00	9.6E+03	1.5E+01	4.8E+02	6.3E+01

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Indian Head	EMBG	BGDSS0060101	2.1E+00	7.3E+03	6.7E+00	3.5E+02	1.1E+02
Indian Head	EMBG	BGDSS0070101	5.3E+00	1.0E+04	9.8E+00	6.7E+02	4.7E+01
Indian Head	EMBG	BGDSS0080101	1.7E+01	1.3E+04	1.5E+02	1.1E+03	8.1E+01
Indian Head	EMBG	BGDSS0090101	3.1E+00	4.4E+03	5.5E+00	4.5E+02	2.3E+01
Indian Head	EMBG	BGDSS0100101	3.3E+00	6.5E+03	7.8E+00	4.0E+02	2.0E+02
Indian Head	EMBG	S25-MW03-001	2.5E+00	7.9E+03	1.0E+01	2.4E+02	1.2E+02
Indian Head	EMBG	S26-MW03-001	4.4E+00	2.5E+04	9.9E+00	1.1E+03	8.8E+02
Fort Meade	EMBG	SSB-1	8.2E+00	1.2E+04	1.4E+01	1.2E+03	1.2E+02
Fort Meade	EMBG	SSB-2	4.6E+00	7.7E+03	1.6E+01	8.4E+02	1.5E+02
Fort Meade	EMBG	SSB-3	3.2E+00	5.1E+03	*3.8E+00*	2.1E+02	2.0E+01
Fort Meade	EMBG	SSB-4	4.6E+00	7.7E+03	9.8E+00	1.1E+02	2.5E+01
Fort Meade	EMBG	SSB-4X	4.2E+00	8.9E+03	1.1E+01	1.2E+02	2.5E+01
Fort Meade	EMBG	SSB-5	6.6E+00	1.2E+04	1.6E+01	3.1E+02	3.0E+01
Tolchester	EMBG	MCHT13-S-4	9.3E+00	1.1E+04	3.8E+01	1.5E+03	2.3E+02
Crisfield City Dump	EMBG	Background Soil	4.8E+00	5.5E+03	*1.6E+01*	9.1E+02	2.8E+01
Old Fort Road	EMBG	Background Soil	5.3E+00	1.5E+04	9.4E+00	1.1E+03	4.9E+01
Nicholson Landfill	EMBG	Background Soil	8.7E+00	1.1E+04	9.2E+00	8.5E+02	1.2E+02
Union Road	EMBG	Background Soil	1.5E+01	1.4E+04	4.2E+01	1.7E+03	9.0E+02
Braxton Property	EMBG	Background Soil	1.1E+01	2.3E+03	1.3E+01	2.6E+03	2.3E+02
Abingdon Landfill	EMBG	Background Soil	6.7E+00	8.4E+03	6.7E+01	7.1E+02	3.5E+02
Waldorf Control	EMBG	Background Soil	1.0E+01	7.9E+03	4.4E+01	8.3E+02	1.2E+02
Vicon	EMBG	Background Soil	1.5E+01	1.2E+04	9.9E+00	3.4E+02	5.1E+01
Firestone Perryville	EMBG	Background Soil	1.2E+01	9.8E+03	2.2E+01	7.4E+02	2.7E+02
SkipJack Chemicals	EMBG	Background Soil	*2.5E+00*	5.3E+03	6.0E+01	5.0E+02	1.8E+02
Old West Denton Landfill	EMBG	Background Soil	5.0E+00	1.0E+03	2.3E+01	1.2E+02	4.3E+01
Fort Smallwood Control	EMBG	Background Soil	1.1E+01	2.1E+03	4.1E+00	*5.0E+02*	1.9E+01
Fort Smallwood Launch	EMBG	Background Soil	6.1E+00	3.0E+03	2.0E+01	9.5E+01	2.0E+01
Davidsonville Launch	EMBG	Background Soil	1.3E+01	1.3E+04	3.5E+01	1.7E+03	1.0E+02
US Naval Research Lab Waldorf	EMBG	SO 54A	*2.5E+00*	3.7E+03	7.3E+00	*5.0E+02*	1.4E+02
US Naval Research Lab Waldorf	EMBG	SO 54B	*2.5E+00*	5.4E+03	4.0E+00	*5.0E+02*	1.0E+01
US Naval Research Lab Waldorf	EMBG	SO 55A	*2.5E+00*	1.2E+04	1.7E+01	*5.0E+02*	3.0E+02
US Naval Research Lab Waldorf	EMBG	SO 55B	*2.5E+00*	8.3E+03	5.0E+00	*5.0E+02*	1.1E+02
US Naval Research Lab Waldorf	EMBG	SO 56	*2.5E+00*	5.8E+03	3.0E+01	*5.0E+02*	1.3E+01
US Naval Research Lab Waldorf	EMBG	SO 57	*2.5E+00*	7.6E+03	7.8E+00	*5.0E+02*	1.0E+02
US Naval Research Lab Waldorf	EMBG	S0 58	*2.5E+00*	1.4E+04	7.7E+00	*5.0E+02*	8.0E+01
US Naval Research Lab Waldorf	EMBG	SO 59	6.3E+00	1.5E+04	3.1E+01	*5.0E+02*	1.9E+02
US Naval Research Lab Waldorf	EMBG	SO 59(D)	6.7E+00	1.4E+04	3.3E+01	*5.0E+02*	1.7E+02
US Naval Research Lab Waldorf	EMBG	SO 60	5.0E+00	1.4E+04	1.7E+01	1.1E+03	2.5E+02

EMBG = Eastern Maryland Background, CMBG = Central Maryland Background, WMBG = Western Maryland Background. All values reported in parts per million. Not detected analytes reported at one half the detection limit. Not detected analytes italicized. NA = not applicable.

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Site Name	Province	Designation	Mercury	Nickel	Potassium	Selenium	Silver
Aberdeen Proving Ground	EMBG	S-1	NA	4.3E+00	1.6E+02	4.6E-01	*3.5E-01*
Aberdeen Proving Ground	EMBG	S-1 DUP	NA	4.8E+00	1.8E+02	4.8E-01	*3.5E-01*
Aberdeen Proving Ground	EMBG	S-2	*6.2E-02*	6.1E+00	1.8E+02	*1.6E-01*	*3.0E-01*
Aberdeen Proving Ground	EMBG	S-3	*3.5E-02*	1.7E+01	3.2E+02	4.4E-01	*3.5E-01*
Aberdeen Proving Ground	EMBG	S-4	NA	2.0E+01	5.4E+02	*3.0E+00*	*4.9E-01*
Aberdeen Proving Ground	EMBG	S-5	*5.0E-02*	2.6E+00	7.1E+01	*1.3E-01*	*2.7E-01*
Aberdeen Proving Ground	EMBG	S-6	*5.5E-02*	1.4E+00	1.0E+02	*1.4E-01*	*2.8E-01*
Aberdeen Proving Ground	EMBG	S-6 DUP	*4.6E-02*	2.6E+00	1.6E+02	*1.4E-01*	*2.8E-01*
Aberdeen Proving Ground	EMBG	S-7	*5.8E-02*	8.0E+00	3.5E+02	*1.5E-01*	*2.9E-01*
Aberdeen Proving Ground	EMBG	S-8	7.0E-02	1.0E+01	2.4E+02	*1.7E-01*	*3.3E-01*
Aberdeen Proving Ground	EMBG	S-9	*5.9E-02*	6.4E+00	3.4E+02	*1.5E-01*	*3.0E-01*
Aberdeen Proving Ground	EMBG	S-10	*6.1E-02*	*9.3E-01*	1.2E+02	*1.5E-01*	*3.1E-01*
Aberdeen Proving Ground	EMBG	S-11	*2.9E-02*	*8.6E-01*	9.6E+01	*1.4E-01*	*2.9E-01*
Aberdeen Proving Ground	EMBG	S-12	*3.3E-02*	2.1E+01	1.7E+03	*1.8E-01*	*3.6E-01*
Aberdeen Proving Ground	EMBG	S-13	*6.0E-02*	2.4E+01	3.7E+02	*1.6E-01*	*3.0E-01*
Aberdeen Proving Ground	EMBG	S-13 DUP	*6.2E-02*	2.4E+01	4.2E+02	*1.6E-01*	*3.2E-01*
Aberdeen Proving Ground	EMBG	S-14	*3.2E-02*	6.2E+00	2.2E+02	NA	*3.2E-01*
Aberdeen Proving Ground	EMBG	S-15	*3.1E-02*	*9.1E-01*	*3.6E+01*	NA	*3.0E-01*
Aberdeen Proving Ground	EMBG	S-16	*3.1E-02*	4.5E+00	1.8E+02	NA	*3.0E-01*
Aberdeen Proving Ground	EMBG	S-17	*6.3E-02*	6.7E+00	3.1E+02	*1.6E-01*	*3.1E-01*
Aberdeen Proving Ground	EMBG	S-17 DUP	*6.2E-02*	6.8E+00	2.8E+02	*1.6E-01*	*3.0E-01*
Aberdeen Proving Ground	EMBG	S-18	*6.7E-02*	2.7E+00	1.8E+02	*1.6E-01*	*3.2E-01*
Aberdeen Proving Ground	EMBG	S-19	*6.1E-02*	1.4E+01	1.5E+03	*1.6E-01*	*3.1E-01*
Aberdeen Proving Ground	EMBG	S-20	*3.1E-02*	6.4E+00	2.1E+02	NA	*3.1E-01*
Aberdeen Proving Ground	EMBG	S-21	*3.0E-01*	6.9E+00	3.8E+02	NA	*3.0E-01*
Aberdeen Proving Ground	EMBG	S-23	*3.1E-02*	9.0E+00	2.2E+02	NA	*3.1E-01*
Aberdeen Proving Ground	EMBG	S-24	*3.3E-02*	7.8E+00	2.5E+02	5.0E-01	*3.1E-01*
Aberdeen Proving Ground	EMBG	S-25	*6.9E-02*	1.1E+01	5.6E+02	*1.7E-01*	*3.5E-01*
Aberdeen Proving Ground	EMBG	S-26	*3.2E-02*	9.0E+00	4.6E+02	NA	*3.2E-01*
Aberdeen Proving Ground	EMBG	S-27	*3.1E-02*	8.0E+00	3.4E+02	NA	*3.0E-01*
Aberdeen Proving Ground	EMBG	S-28	*3.1E-02*	1.5E+01	1.8E+02	NA	*2.9E-01*
Aberdeen Proving Ground	EMBG	S-29	*7.0E-02*	3.2E+00	2.3E+02	*1.8E-01*	*3.5E-01*
Aberdeen Proving Ground	EMBG	S-30	*6.7E-02*	4.5E+00	3.1E+02	*1.7E-01*	*3.3E-01*
Indian Head	EMBG	BGDSS0010101	4.0E-02	5.8E+00	4.7E+02	3.0E-01	*3.5E-02*
Indian Head	EMBG	BGDSS0020101	3.0E-02	1.7E+00	1.3E+02	*1.1E-01*	6.0E-02
Indian Head	EMBG	BGDSS0030101	3.0E-02	7.8E+00	5.2E+02	7.0E-01	*3.0E-02*
Indian Head	EMBG	BGDSS0040101	3.0E-02	5.5E+00	3.1E+02	8.3E-01	*3.5E-02*
Indian Head	EMBG	BGDSS0050101	4.0E-02	3.2E+00	2.5E+02	5.1E-01	7.0E-02

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Indian Head	EMBG	BGDSS0060101	3.0E-02	2.5E+00	7.5E+02	5.4E-01	1.0E-01
Indian Head	EMBG	BGDSS0070101	5.0E-02	4.9E+00	5.1E+02	5.3E-01	3.5E-02
Indian Head	EMBG	BGDSS0080101	5.0E-02	8.6E+00	7.9E+02	7.9E-01	3.5E-02
Indian Head	EMBG	BGDSS0090101	3.0E-02	4.5E+00	4.5E+02	4.6E-01	1.0E-01
Indian Head	EMBG	BGDSS0100101	2.0E-02	3.4E+00	3.0E+02	5.3E-01	7.5E-02
Indian Head	EMBG	S25-MW03-001	8.0E-02	2.3E+00	2.2E+02	1.7E-01	5.5E-02
Indian Head	EMBG	S26-MW03-001	7.0E-02	1.1E+01	7.8E+02	8.5E-02	5.5E-02
Fort Meade	EMBG	SSB-1	5.0E-02	9.4E+00	5.0E+02	5.0E+00	2.5E-01
Fort Meade	EMBG	SSB-2	5.0E-02	6.3E+00	3.5E+02	5.0E+00	2.5E-01
Fort Meade	EMBG	SSB-3	5.0E-02	4.0E+00	1.3E+02	5.0E+00	2.5E-01
Fort Meade	EMBG	SSB-4	5.0E-02	3.9E+00	1.2E+02	5.0E+00	2.5E-01
Fort Meade	EMBG	SSB-4X	5.0E-02	4.4E+00	5.0E+01	5.0E+00	2.5E-01
Fort Meade	EMBG	SSB-5	5.0E-02	7.9E+00	2.1E+02	5.0E+00	2.5E-01
Tolchester	EMBG	MCHT13-S-4	1.4E-01	1.2E+01	4.9E+02	6.2E-01	1.0E+00
Crisfield City Dump	EMBG	Background Soil	5.0E-02	5.7E+00	6.2E+02	2.3E-01	1.0E+00
Old Fort Road	EMBG	Background Soil	5.0E-02	5.7E+00	7.7E+02	2.3E-01	1.0E+00
Nicholson Landfill	EMBG	Background Soil	3.5E+00	3.6E+00	4.4E+02	2.1E-01	1.0E+00
Union Road	EMBG	Background Soil	5.0E-02	2.8E+01	3.3E+02	5.0E-01	1.0E+00
Braxton Property	EMBG	Background Soil	5.0E-02	1.3E+01	5.8E+02	5.0E-01	1.0E+00
Abingdon Landfill	EMBG	Background Soil	1.0E-01	5.8E+00	2.6E+02	NA	1.5E+00
Waldorf Control	EMBG	Background Soil	5.0E-02	5.6E+00	6.1E+02	5.0E-01	1.0E+00
Vicon	EMBG	Background Soil	1.2E-01	3.0E+00	1.5E+02	3.5E-01	9.0E-01
Firestone Perryville	EMBG	Background Soil	5.0E-02	1.0E+01	2.9E+02	5.0E-01	1.0E+00
SkipJack Chemicals	EMBG	Background Soil	5.0E-02	4.0E+00	5.0E+02	5.0E-01	1.0E+00
Old West Denton Landfill	EMBG	Background Soil	5.0E-02	4.0E+00	9.1E+01	5.0E-01	1.0E+00
Fort Smallwood Control	EMBG	Background Soil	1.0E-01	4.0E+00	5.0E+02	5.0E-01	2.7E-01
Fort Smallwood Launch	EMBG	Background Soil	1.0E-01	4.0E+00	5.0E+02	5.0E-01	2.6E-01
Davidsonville Launch	EMBG	Background Soil	1.0E-01	7.3E+00	1.1E+03	2.0E+00	NA
US Naval Research Lab Waldorf	EMBG	SO 54A	5.0E-02	4.0E+00	5.0E+02	5.0E-01	1.0E+00
US Naval Research Lab Waldorf	EMBG	SO 54B	5.0E-02	4.0E+00	5.0E+02	5.0E-01	1.0E+00
US Naval Research Lab Waldorf	EMBG	SO 55A	5.0E-02	4.0E+00	5.0E+02	5.0E-01	2.7E+00
US Naval Research Lab Waldorf	EMBG	SO 55B	5.0E-02	4.0E+00	5.0E+02	5.0E-01	1.0E+00
US Naval Research Lab Waldorf	EMBG	SO 56	5.0E-02	4.0E+00	5.0E+02	5.0E-01	1.0E+00
US Naval Research Lab Waldorf	EMBG	SO 57	5.0E-02	4.0E+00	5.0E+02	5.0E-01	1.0E+00
US Naval Research Lab Waldorf	EMBG	S0 58	5.0E-02	4.0E+00	5.0E+02	5.0E-01	1.0E+00
US Naval Research Lab Waldorf	EMBG	SO 59	5.0E-02	8.3E+00	5.0E+02	5.0E-01	1.0E+00
US Naval Research Lab Waldorf	EMBG	SO 59(D)	5.0E-02	9.1E+00	5.0E+02	5.0E-01	1.0E+00
US Naval Research Lab Waldorf	EMBG	SO 60	5.0E-02	7.5E+00	1.4E+03	5.0E-01	1.0E+00

EMBG = Eastern Maryland Background, CMBG = Central Maryland Background, WMBG = Western Maryland Background. All values reported in parts per million. Not detected analytes reported at one half the detection limit. Not detected analytes italicized. NA = not applicable.

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Site Name	Province	Designation	Sodium	Thallium	Vanadium	Zinc
Aberdeen Proving Ground	EMBG	S-1	4.4E+02	*1.8E-01*	1.8E+01	1.4E+01
Aberdeen Proving Ground	EMBG	S-1 DUP	4.4E+02	*1.8E-01*	2.0E+01	1.8E+01
Aberdeen Proving Ground	EMBG	S-2	3.8E+02	*1.6E-01*	1.1E+01	1.7E+01
Aberdeen Proving Ground	EMBG	S-3	6.6E+02	*1.7E-01*	4.7E+01	9.6E+01
Aberdeen Proving Ground	EMBG	S-4	9.4E+02	*2.4E-01*	2.0E+01	7.4E+01
Aberdeen Proving Ground	EMBG	S-5	2.3E+02	*1.3E-01*	1.3E+01	1.1E+01
Aberdeen Proving Ground	EMBG	S-6	2.0E+02	*1.4E-01*	7.9E+00	6.6E+00
Aberdeen Proving Ground	EMBG	S-6 DUP	2.1E+02	*1.4E-01*	9.7E+00	7.5E+00
Aberdeen Proving Ground	EMBG	S-7	3.8E+02	*1.5E-01*	1.8E+01	2.6E+01
Aberdeen Proving Ground	EMBG	S-8	4.5E+02	*1.7E-01*	2.3E+01	4.1E+01
Aberdeen Proving Ground	EMBG	S-9	4.2E+02	*1.5E-01*	2.7E+01	3.4E+01
Aberdeen Proving Ground	EMBG	S-10	4.9E+02	*1.5E-01*	1.6E+01	4.9E+00
Aberdeen Proving Ground	EMBG	S-11	3.4E+02	*1.4E-01*	1.2E+01	1.1E+01
Aberdeen Proving Ground	EMBG	S-12	5.5E+02	*1.8E-01*	4.1E+01	6.1E+01
Aberdeen Proving Ground	EMBG	S-13	4.0E+02	*1.6E-01*	2.9E+01	4.0E+01
Aberdeen Proving Ground	EMBG	S-13 DUP	4.4E+02	*1.6E-01*	3.2E+01	4.6E+01
Aberdeen Proving Ground	EMBG	S-14	4.8E+02	*1.6E-01*	1.6E+01	2.9E+01
Aberdeen Proving Ground	EMBG	S-15	4.7E+02	*1.6E-01*	2.2E+01	2.1E+01
Aberdeen Proving Ground	EMBG	S-16	4.3E+02	*1.5E-01*	2.9E+01	2.1E+01
Aberdeen Proving Ground	EMBG	S-17	4.5E+02	*1.6E-01*	1.7E+01	3.5E+01
Aberdeen Proving Ground	EMBG	S-17 DUP	3.4E+02	*1.6E-01*	1.8E+01	3.7E+01
Aberdeen Proving Ground	EMBG	S-18	4.4E+02	*1.6E-01*	1.6E+01	1.1E+01
Aberdeen Proving Ground	EMBG	S-19	4.0E+02	*1.6E-01*	3.2E+01	5.0E+01
Aberdeen Proving Ground	EMBG	S-20	4.4E+02	*1.5E-01*	2.0E+01	2.0E+01
Aberdeen Proving Ground	EMBG	S-21	4.3E+02	*1.5E-01*	2.3E+01	2.8E+01
Aberdeen Proving Ground	EMBG	S-23	4.6E+02	*1.6E-01*	1.9E+01	2.9E+01
Aberdeen Proving Ground	EMBG	S-24	3.8E+02	*1.7E-01*	2.6E+01	2.8E+01
Aberdeen Proving Ground	EMBG	S-25	4.7E+02	*1.7E-01*	2.9E+01	3.2E+01
Aberdeen Proving Ground	EMBG	S-26	4.6E+02	*1.6E-01*	2.7E+01	2.4E+02
Aberdeen Proving Ground	EMBG	S-27	4.9E+02	*1.5E-01*	3.1E+01	4.7E+01
Aberdeen Proving Ground	EMBG	S-28	4.3E+02	*1.5E-01*	1.8E+01	3.0E+01
Aberdeen Proving Ground	EMBG	S-29	4.4E+02	*1.8E-01*	5.9E+01	2.7E+01
Aberdeen Proving Ground	EMBG	S-30	5.0E+02	*1.7E-01*	1.6E+01	1.5E+01
Indian Head	EMBG	BGDSS0010101	*1.2E+01*	*1.3E-01*	2.2E+01	2.2E+01
Indian Head	EMBG	BGDSS0020101	2.2E+01	*1.1E-01*	1.3E+01	6.2E+00
Indian Head	EMBG	BGDSS0030101	4.1E+01	3.8E-01	2.8E+01	2.6E+01
Indian Head	EMBG	BGDSS0040101	5.1E+01	5.2E-01	2.3E+01	2.2E+01
Indian Head	EMBG	BGDSS0050101	2.6E+01	5.2E-01	1.9E+01	1.6E+01

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Indian Head	EMBG	BGDSS0060101	3.9E+01	*1.3E-01*	1.2E+01	2.3E+01
Indian Head	EMBG	BGDSS0070101	5.2E+01	*1.3E-01*	2.4E+01	2.0E+01
Indian Head	EMBG	BGDSS0080101	5.0E+01	2.6E-01	2.9E+01	2.8E+01
Indian Head	EMBG	BGDSS0090101	5.2E+01	*1.4E-01*	1.2E+01	1.5E+01
Indian Head	EMBG	BGDSS0100101	5.3E+01	*2.7E-01*	1.3E+01	1.1E+01
Indian Head	EMBG	S25-MW03-001	*9.6E+00*	*1.4E-01*	9.8E+00	1.1E+01
Indian Head	EMBG	S26-MW03-001	*1.0E+01*	*1.4E-01*	3.9E+01	3.1E+01
Fort Meade	EMBG	SSB-1	3.5E+02	*1.0E+01*	2.4E+01	2.3E+01
Fort Meade	EMBG	SSB-2	3.7E+02	*1.0E+01*	1.6E+01	2.2E+01
Fort Meade	EMBG	SSB-3	4.0E+02	*1.0E+01*	1.1E+01	7.4E+00
Fort Meade	EMBG	SSB-4	3.3E+02	*1.0E+01*	1.4E+01	1.2E+01
Fort Meade	EMBG	SSB-4X	3.3E+02	*1.0E+01*	1.6E+01	1.3E+01
Fort Meade	EMBG	SSB-5	3.3E+02	*1.0E+01*	2.0E+01	1.7E+01
Tolchester	EMBG	MCHT13-S-4	5.7E+01	NA	2.2E+01	5.5E+01
Crisfield City Dump	EMBG	Background Soil	5.5E+02	*3.4E-01*	1.6E+01	1.9E+01
Old Fort Road	EMBG	Background Soil	3.8E+01	*1.0E+00*	3.1E+01	2.3E+01
Nicholson Landfill	EMBG	Background Soil	1.9E+01	NA	1.4E+01	NA
Union Road	EMBG	Background Soil	1.0E+02	*1.0E+00*	2.6E+01	6.6E+01
Braxton Property	EMBG	Background Soil	7.7E+01	*1.0E+00*	3.8E+01	3.6E+01
Abingdon Landfill	EMBG	Background Soil	7.8E+01	2.5E-01	4.3E+01	9.0E+00
Waldorf Control	EMBG	Background Soil	2.3E+01	*1.0E+00*	1.6E+01	1.0E+02
Vicon	EMBG	Background Soil	2.9E+01	3.5E-01	2.0E+01	2.4E+01
Firestone Perryville	EMBG	Background Soil	3.5E+01	*1.0E+00*	1.4E+01	4.3E+01
SkipJack Chemicals	EMBG	Background Soil	8.5E+01	*1.0E+00*	1.1E+01	3.4E+01
Old West Denton Landfill	EMBG	Background Soil	*5.0E+02*	*1.0E+00*	2.5E+00	5.5E+01
Fort Smallwood Control	EMBG	Background Soil	*5.0E+01*	*1.0E+00*	6.1E+00	2.2E+01
Fort Smallwood Launch	EMBG	Background Soil	1.6E+01	*1.0E+00*	9.1E+00	4.4E+01
Davidsonville Launch	EMBG	Background Soil	7.0E+01	1.0E+00	2.3E+01	6.6E+01
US Naval Research Lab Waldorf	EMBG	SO 54A	*5.0E+02*	*1.0E+00*	*5.0E+00*	1.5E+01
US Naval Research Lab Waldorf	EMBG	SO 54B	*5.0E+02*	*1.0E+00*	1.1E+01	7.0E+00
US Naval Research Lab Waldorf	EMBG	SO 55A	*5.0E+02*	*1.0E+00*	1.9E+01	2.8E+01
US Naval Research Lab Waldorf	EMBG	SO 55B	*5.0E+02*	*1.0E+00*	1.5E+01	1.1E+01
US Naval Research Lab Waldorf	EMBG	SO 56	*5.0E+02*	*1.0E+00*	1.3E+01	1.2E+01
US Naval Research Lab Waldorf	EMBG	SO 57	*5.0E+02*	*1.0E+00*	1.2E+01	2.1E+01
US Naval Research Lab Waldorf	EMBG	S0 58	*5.0E+02*	*1.0E+00*	2.5E+01	1.8E+01
US Naval Research Lab Waldorf	EMBG	SO 59	*5.0E+02*	*1.0E+00*	2.2E+01	4.1E+01
US Naval Research Lab Waldorf	EMBG	SO 59(D)	*5.0E+02*	*1.0E+00*	2.3E+01	4.2E+01
US Naval Research Lab Waldorf	EMBG	SO 60	*5.0E+02*	*1.0E+00*	2.3E+01	5.2E+01

EMBG = Eastern Maryland Background, CMBG = Central Maryland Background, WMBG = Western Maryland Background. All values reported in parts per million. Not detected analytes reported at one half the detection limit. Not detected analytes italicized. NA = not applicable.

CENTRAL

Site Name	Province	Designation	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium
Ordnance Products (7/99)	CMBG	BG-01 (0 - 0.5 feet)	6.9E+03	*6.0E+00*	2.2E+00	4.5E+01	4.2E-01	*5.0E-01*
Ordnance Products (7/99)	CMBG	BG-02 (0 - 0.5 feet)	9.3E+03	7.3E-01	3.1E+00	5.6E+01	5.8E-01	*5.0E-01*
Ordnance Products (7/99)	CMBG	BG-03 (0 - 0.5 feet)	9.8E+03	*6.0E+00*	3.1E+00	4.2E+01	5.4E-01	*5.0E-01*
Bush Valley Landfill	CMBG	BG-04 (0 - 0.5 feet)	9.0E+03	NA	3.4E+00	4.3E+01	3.9E-01	*5.0E-01*
Bush Valley Landfill	CMBG	SUS1 (8/92, 0-6")	9.7E+03	NA	*1.6E+00*	3.8E+01	*1.3E-01*	*1.2E+00*
Bush Valley Landfill	CMBG	SUS2 (8/92, 0-6")	9.5E+03	NA	*7.5E-01*	6.2E+01	2.9E-01	*1.3E+00*
Mullinex Farms	CMBG	SUS3 (8/92, 0-6")	1.1E+04	NA	*8.0E-01*	6.4E+01	4.3E-01	*1.3E+00*
MullinexFarms	CMBG	Background Soil	1.3E+04	*8.5E+00*	1.5E+00	8.5E+01	5.1E+00	*1.0E+00*
Hopkins Quarry	CMBG	Background Soil	1.0E+04	*8.5E+00*	4.3E+00	1.1E+02	7.0E-01	*1.0E+00*
Childs Property	CMBG	Background Soil	1.7E+04	*5.0E-01*	2.8E+00	8.2E+01	9.0E-01	*2.5E-01*
Big Elk Chapel Road	CMBG	Background Soil	1.1E+04	*6.0E+00*	5.3E+00	6.7E+01	6.4E-01	*5.0E-01*
Power Matic	CMBG	Background Soil	2.2E+04	*2.1E+00*	3.4E+00	7.3E+01	7.2E-01	*4.7E-01*
LeHigh Portland Cement	CMBG	Background Soil	1.4E+04	1.1E+01	*1.0E+00*	7.0E+01	8.7E-01	1.8E+00
Langs Junkyard	CMBG	Background Soil	1.6E+04	*6.0E+00*	5.3E+00	2.0E+02	9.4E-01	*5.0E-01*
Kate Wagner Landfill	CMBG	Background Soil	9.7E+03	NA	3.8E+00	8.0E+01	8.1E-01	*1.0E+00*
Bachmans Valley Landfill	CMBG	Background Soil	1.5E+04	*6.0E+00*	3.8E+00	7.1E+01	6.7E-01	*5.0E-01*
Maryvale Prep School	CMBG	Background Soil	1.2E+04	*6.0E+00*	6.5E+00	4.3E+01	3.7E-01	1.6E+00
Fork Control	CMBG	Background Soil	1.2E+03	NA	2.9E+00	1.0E+02	8.1E-01	*1.3E-01*
White Oak	CMBG	BG 04 SS	3.7E+04	9.2E-01	2.5E+00	9.0E+01	2.1E+00	*5.0E-01*
White Oak	CMBG	BG 05 SS	8.5E+03	5.7E-01	3.1E+00	4.2E+01	6.0E-02	*3.5E-02*
White Oak	CMBG	BG 06 SS	1.0E+04	5.6E-01	4.2E+00	5.3E+01	1.9E-01	*3.0E-02*
White Oak	CMBG	BG 101 SS	7.6E+03	5.6E-01	2.2E+00	4.9E+01	2.0E-02	1.2E-01
White Oak	CMBG	BG 07 SS	6.5E+03	5.6E-01	2.1E+00	4.3E+01	2.0E-02	1.1E-01
White Oak	CMBG	BG 10 SS	9.5E+03	5.5E-01	4.2E+00	4.1E+01	1.6E-01	*3.0E-02*
White Oak	CMBG	BG 09 SS	1.2E+04	5.8E-01	4.6E+00	7.7E+01	5.0E-02	8.0E-02
White Oak	CMBG	BG 100 SS	1.7E+04	6.6E-01	5.2E+00	4.3E+01	*1.0E-02*	3.6E-01
White Oak	CMBG	BG 102 SS	2.1E+04	6.4E-01	6.7E+00	4.9E+01	2.0E-02	5.9E-01
			5.2E+03	6.6E-01	2.5E+00	2.0E+01	*1.0E-02*	1.5E-01

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CENTRAL

Site Name	Province	Designation	Calcium	Chromium(Total)	Cobalt	Copper	Iron	Lead
Ordnance Products (7/99)	CMBG	BG-01 (0 - 0.5 feet)	3.9E+02	2.0E+01	8.2E+00	5.6E+00	1.2E+04	1.2E+01
Ordnance Products (7/99)	CMBG	BG-02 (0 - 0.5 feet)	3.4E+02	2.1E+01	9.0E+00	5.9E+00	1.3E+04	1.8E+01
Ordnance Products (7/99)	CMBG	BG-03 (0 - 0.5 feet)	1.3E+02	2.8E+01	6.7E+00	1.3E+01	2.1E+04	1.6E+01
Ordnance Products (7/99)	CMBG	BG-04 (0 - 0.5 feet)	*5.0E+02*	1.3E+01	3.3E+00	7.0E+00	9.1E+03	3.3E+01
Bush Valley Landfill	CMBG	SUS1 (8/92, 0-6")	1.6E+03	1.9E+01	3.6E+00	1.1E+01	1.6E+04	2.9E+01
Bush Valley Landfill	CMBG	SUS2 (8/92, 0-6")	1.4E+03	2.0E+01	1.0E+01	1.8E+01	1.8E+04	1.1E+01
Bush Valley Landfill	CMBG	SUS3 (8/92, 0-6")	1.4E+03	2.1E+01	8.9E+00	1.9E+01	2.0E+04	1.3E+01
Mullinex Farms	CMBG	Background Soil	8.1E+02	3.2E+01	5.7E+01	3.4E+01	2.5E+04	1.4E+01
MullinexFarms	CMBG	Background Soil	3.3E+03	7.1E+00	7.7E+01	1.6E+01	1.9E+04	4.1E+01
Hopkins Quarry	CMBG	Background Soil	1.4E+03	6.0E+00	6.1E+00	1.6E+01	2.1E+04	3.2E+01
Childs Property	CMBG	Background Soil	3.5E+03	1.9E+01	4.6E+00	1.2E+01	1.6E+04	5.3E+01
Big Elk Chapel Road	CMBG	Background Soil	8.0E+02	1.3E+01	6.1E+00	3.5E+01	1.7E+04	7.4E+00
Power Matic	CMBG	Background Soil	3.7E+04	3.4E+01	1.8E+01	4.4E+01	2.6E+04	1.8E+02
LeHigh Portland Cement	CMBG	Background Soil	3.0E+04	2.0E+01	1.3E+01	2.9E+01	2.5E+04	3.4E+01
Langs Junkyard	CMBG	Background Soil	1.6E+03	1.2E+01	1.1E+01	9.1E+00	1.7E+04	3.8E+01
Kate Wagner Landfill	CMBG	Background Soil	2.5E+03	2.2E+01	4.1E+01	2.8E+01	3.7E+04	3.4E+00
Bachmans Valley Landfill	CMBG	Background Soil	7.9E+02	1.8E+01	1.6E+01	2.5E+01	2.9E+04	3.8E+01
Maryvale Prep School	CMBG	Background Soil	8.9E+02	3.0E+01	NA	1.9E+01	2.6E+03	1.9E+01
Fork Control	CMBG	Background Soil	6.7E+02	3.1E+01	4.7E+01	2.9E+01	3.4E+04	1.4E+01
White Oak	CMBG	BG 04 SS	9.3E+01	1.2E+01	7.1E+00	4.8E+00	1.1E+04	2.8E+01
White Oak	CMBG	BG 05 SS	1.7E+02	2.1E+01	1.4E+01	9.4E+00	1.6E+04	2.5E+01
White Oak	CMBG	BG 06 SS	3.8E+02	1.2E+01	3.5E+00	1.9E+01	9.6E+03	4.2E+01
White Oak	CMBG	BG 101 SS	3.0E+02	1.0E+01	2.8E+00	1.7E+01	8.7E+03	3.6E+01
White Oak	CMBG	BG 07 SS	2.6E+02	1.3E+01	3.0E+00	5.5E+00	1.0E+04	1.8E+01
White Oak	CMBG	BG 10 SS	1.1E+03	5.6E+01	6.3E+00	1.3E+01	1.6E+04	3.1E+01
White Oak	CMBG	BG 09 SS	2.8E+02	1.9E+01	7.3E+00	1.2E+02	1.9E+04	1.3E+01
White Oak	CMBG	BG 100 SS	8.8E+01	2.7E+01	3.7E+00	1.1E+01	2.6E+04	1.2E+01
White Oak	CMBG	BG 102 SS	8.3E+01	8.4E+00	7.9E-01	3.4E+00	6.0E+03	1.8E+01

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CENTRAL

Site Name	Province	Designation	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium
Ordnance Products (7/99)	CMBG	BG-01 (0 - 0.5 feet)	6.4E+02	3.8E+02	*5.0E-02*	7.9E+00	2.6E+02	7.9E-01
Ordnance Products (7/99)	CMBG	BG-02 (0 - 0.5 feet)	9.7E+02	4.9E+02	*5.0E-02*	7.9E+00	3.6E+02	9.0E-01
Ordnance Products (7/99)	CMBG	BG-03 (0 - 0.5 feet)	1.8E+03	2.7E+02	*5.0E-02*	9.0E+00	5.7E+02	1.8E+00
Ordnance Products (7/99)	CMBG	BG-04 (0 - 0.5 feet)	7.2E+02	1.3E+02	*5.0E-02*	6.8E+00	3.7E+02	8.2E-01
Bush Valley Landfill	CMBG	SUS1 (8/92, 0-6")	1.1E+03	9.6E+01	*6.5E-02*	5.1E+00	4.2E+02	8.1E-01
Bush Valley Landfill	CMBG	SUS2 (8/92, 0-6")	3.2E+03	4.4E+02	*6.5E-02*	1.3E+01	1.6E+03	7.5E-01
Bush Valley Landfill	CMBG	SUS3 (8/92, 0-6")	3.4E+03	4.7E+02	1.4E-01	1.2E+01	1.6E+03	6.4E-01
Mullinex Farms	CMBG	Background Soil	2.5E+03	2.2E+03	NA	4.1E+01	4.4E+02	NA
MullinexFarms	CMBG	Background Soil	5.0E+02	3.4E+03	NA	*8.0E+00*	2.2E+02	NA
Hopkins Quarry	CMBG	Background Soil	2.8E+03	8.0E+02	*5.0E-02*	8.0E+00	4.1E+03	*2.5E-01*
Childs Property	CMBG	Background Soil	1.6E+03	2.6E+02	2.1E-01	1.9E+01	8.2E+02	9.2E-01
Big Elk Chapel Road	CMBG	Background Soil	2.3E+03	2.3E+02	*6.0E-02*	6.1E+00	1.4E+03	6.3E-01
Power Matic	CMBG	Background Soil	8.3E+03	4.3E+02	1.0E-01	3.0E+01	2.9E+03	*1.0E+00*
LeHigh Portland Cement	CMBG	Background Soil	3.1E+03	2.0E+03	1.2E-01	1.5E+01	1.4E+03	*5.0E-01*
Langs Junkyard	CMBG	Background Soil	6.4E+02	6.8E+02	*1.0E-01*	5.1E+00	8.3E+02	*1.5E+00*
Kate Wagner Landfill	CMBG	Background Soil	1.1E+03	NA	*8.5E-02*	*4.0E+00*	NA	*5.0E-01*
Bachmans Valley Landfill	CMBG	Background Soil	2.3E+03	6.4E+02	1.7E-01	1.7E+01	1.5E+02	*5.0E-01*
Maryvale Prep School	CMBG	Background Soil	9.4E+02	1.1E+03	*5.5E-02*	1.1E+01	5.2E+02	*4.8E-01*
Fork Control	CMBG	Background Soil	6.7E+03	5.4E+02	4.0E-02	3.3E+01	6.9E+03	6.9E-01
White Oak	CMBG	BG 04 SS	6.5E+02	2.4E+02	7.0E-02	4.9E+00	3.1E+02	*3.1E-01*
White Oak	CMBG	BG 05 SS	9.2E+02	3.0E+02	6.0E-02	8.0E+00	5.4E+02	*3.1E-01*
White Oak	CMBG	BG 06 SS	3.7E+02	7.4E+01	2.1E-01	6.5E+00	3.6E+02	6.2E-01
White Oak	CMBG	BG 101 SS	3.1E+02	5.5E+01	1.8E-01	5.4E+00	3.0E+02	7.4E-01
White Oak	CMBG	BG 07 SS	7.7E+02	1.5E+02	4.0E-02	6.4E+00	3.6E+02	*3.0E-01*
White Oak	CMBG	BG 10 SS	1.2E+03	4.9E+02	1.1E-01	2.9E+01	8.6E+02	6.5E-01
White Oak	CMBG	BG 09 SS	1.7E+03	1.8E+02	4.0E-02	1.0E+01	1.0E+03	5.5E-01
White Oak	CMBG	BG 100 SS	1.2E+03	7.2E+01	2.0E-02	7.5E+00	1.0E+03	7.3E-01
White Oak	CMBG	BG 102 SS	3.2E+02	2.0E+01	5.0E-02	2.8E+00	2.4E+02	5.4E-01

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CENTRAL

Site Name	Province	Designation	Silver	Sodium	Thallium	Vanadium	Zinc
Ordnance Products (7/99)	CMBG	BG-01 (0 - 0.5 feet)	3.6E-01	1.7E+02	1.3E+00	2.6E+01	1.8E+01
Ordnance Products (7/99)	CMBG	BG-02 (0 - 0.5 feet)	5.6E-01	2.5E+02	1.7E+00	2.6E+01	2.5E+01
Ordnance Products (7/99)	CMBG	BG-03 (0 - 0.5 feet)	6.9E-01	2.3E+02	2.9E+00	3.2E+01	3.1E+01
Ordnance Products (7/99)	CMBG	BG-04 (0 - 0.5 feet)	*1.0E+00*	2.3E+02	*1.0E+00*	2.0E+01	2.3E+01
Bush Valley Landfill	CMBG	SUS1 (8/92, 0-6")	*7.5E-01*	7.9E+01	*2.5E-01*	2.6E+01	3.9E+01
Bush Valley Landfill	CMBG	SUS2 (8/92, 0-6")	*8.0E-01*	7.0E+01	*2.7E-01*	3.3E+01	5.1E+01
Bush Valley Landfill	CMBG	SUS3 (8/92, 0-6")	*8.0E-01*	1.0E+02	*2.6E-01*	3.4E+01	5.9E+01
Mullinex Farms	CMBG	Background Soil	*5.0E-01*	1.1E+02	NA	3.3E+01	7.2E+01
MullinexFarms	CMBG	Background Soil	*5.0E-01*	8.0E+01	NA	1.9E+01	4.4E+01
Hopkins Quarry	CMBG	Background Soil	*5.0E-01*	*1.0E+02*	*2.5E-01*	1.7E+01	7.2E+01
Childs Property	CMBG	Background Soil	*1.0E+00*	1.4E+02	*1.0E+00*	2.0E+01	1.1E+02
Big Elk Chapel Road	CMBG	Background Soil	*2.2E-01*	5.9E+01	*5.5E-01*	5.6E+00	1.7E+01
Power Matic	CMBG	Background Soil	1.0E+00	8.6E+01	4.3E-01	4.2E+01	1.1E+02
LeHigh Portland Cement	CMBG	Background Soil	1.5E+00	3.8E+02	3.4E-01	3.2E+01	6.0E+01
Langs Junkyard	CMBG	Background Soil	NA	3.8E+01	NA	1.9E+01	3.2E+01
Kate Wagner Landfill	CMBG	Background Soil	*1.0E+00*	8.8E+01	*1.0E+00*	1.6E+01	4.3E+01
Bachmans Valley Landfill	CMBG	Background Soil	*1.0E+00*	3.6E+01	*1.0E+00*	1.9E+01	7.5E+01
Maryvale Prep School	CMBG	Background Soil	*6.0E-01*	5.0E+01	*2.4E-01*	3.8E+01	2.9E+01
Fork Control	CMBG	Background Soil	*1.0E+00*	*5.0E+02*	3.1E+00	3.7E+01	1.1E+02
White Oak	CMBG	BG 04 SS	*8.5E-02*	4.4E+01	*3.2E-01*	2.6E+01	1.9E+01
White Oak	CMBG	BG 05 SS	*8.5E-02*	*4.3E+01*	*3.2E-01*	*1.2E+01*	2.6E+01
White Oak	CMBG	BG 06 SS	1.3E+00	7.7E+01	*3.2E-01*	3.1E+01	2.3E+01
White Oak	CMBG	BG 101 SS	9.9E-01	5.8E+01	*3.1E-01*	2.7E+01	1.8E+01
White Oak	CMBG	BG 07 SS	*8.5E-02*	*4.2E+01*	*3.1E-01*	2.2E+01	2.0E+01
White Oak	CMBG	BG 10 SS	*9.0E-02*	6.5E+01	*3.3E-01*	2.8E+01	4.4E+01
White Oak	CMBG	BG 09 SS	*1.1E-01*	1.2E+02	*2.8E-01*	3.2E+01	3.1E+01
White Oak	CMBG	BG 100 SS	*1.1E-01*	1.3E+02	*2.7E-01*	4.3E+01	2.6E+01
White Oak	CMBG	BG 102 SS	*1.1E-01*	*1.5E+01*	*2.7E-01*	1.4E+01	7.8E+00

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WESTERN

Site Name	Province	Designation	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium
Ft. Detrick	WMBG	BORMWA1-A	NA	NA	2.3E+01	5.5E+02	NA	NA
Ft. Detrick	WMBG	BORMWA1-B	NA	NA	2.2E+01	5.3E+02	NA	NA
Ft. Detrick	WMBG	BORMWA2-B	NA	NA	NA	5.5E+02	NA	NA
Ft. Detrick	WMBG	BORMWA3-A	NA	NA	1.1E+01	5.0E+02	NA	NA
Ft. Detrick	WMBG	BORMWA3-B	NA	NA	NA	5.6E+02	NA	NA
Ft. Detrick	WMBG	BORMW9D-A	NA	NA	NA	6.4E+02	NA	NA
Ft. Detrick	WMBG	BORMW9D-B	NA	NA	1.2E+01	5.6E+02	NA	NA
Ft. Detrick	WMBG	BMW36D-A	2.4E+04	5.0E+00	1.0E+01	1.6E+02	8.7E-01	2.5E-01
Ft. Detrick	WMBG	AMWA3—0	2.0E+04	5.0E+00	1.0E+01	1.5E+02	1.1E+00	2.5E-01
Ft. Detrick	WMBG	AMWA1-0.5	2.5E+04	5.0E+00	2.7E+01	1.1E+02	2.1E+00	2.5E-01
Ft. Detrick	WMBG	AMWA2-0.5	2.1E+04	5.0E+00	2.0E+01	1.7E+02	2.7E+00	2.5E-01
Frederick Tool and Die	WMBG	BMW47D-0	2.1E+04	5.0E+00	1.0E+01	1.2E+02	8.3E-01	2.5E-01
Vale Summit	WMBG	Background Soil	1.9E+04	3.3E+00	6.0E+00	1.1E+02	9.5E-01	3.7E-01
Old Cumberland Land Fill	WMBG	Background Soil	7.2E+03	NA	NA	1.6E+02	1.7E+00	1.2E+01
Hoffman Land fill	WMBG	Background Soil	7.0E+03	4.3E+00	8.2E+00	1.5E+02	6.1E-01	8.1E-01
Cabin Run Land Fill	WMBG	Background Soil	8.3E+03	NA	7.9E+00	1.4E+02	1.1E+00	4.3E-01
Fort Ritchie	WMBG	BKSS07	6.3E+03	6.0E+00	6.1E+00	3.7E+01	3.0E-01	5.0E-01
Fort Ritchie	WMBG	BKSS08	7.3E+03	2.5E-01	1.1E-01	6.5E+01	2.1E-01	3.1E-01
Fort Ritchie	WMBG	BKSS09	9.3E+03	2.6E-01	5.5E-02	1.1E+02	3.7E-01	3.7E-01
Fort Ritchie	WMBG	BKSS11	8.0E+03	2.6E-01	5.5E-02	1.4E+02	4.0E-01	3.7E-01
Fort Ritchie	WMBG	BKSS12	4.9E+03	2.6E-01	4.1E-01	6.2E+01	1.2E-01	3.6E-01
Fort Ritchie	WMBG	BKSS13	7.1E+03	2.5E-01	2.1E-01	3.4E+01	1.5E-01	4.0E-01
Fort Ritchie	WMBG	BKSS14	5.4E+03	2.6E-01	1.4E-01	4.3E+01	1.3E-01	3.0E-01
Fort Ritchie	WMBG	BKSS15	7.7E+03	NA	4.5E-01	3.9E+01	4.0E-02	7.6E-01
Fort Ritchie	WMBG	BKSS16	6.2E+03	3.9E-01	5.9E-01	3.2E+01	4.0E-02	5.4E-01
Fort Ritchie	WMBG	BKSS17	7.4E+03	2.8E-01	4.4E-01	8.2E+01	2.3E-01	3.5E-01
Fort Ritchie	WMBG	BKSS18	9.1E+03	2.6E-01	5.5E-02	1.1E+02	4.2E-01	3.5E-01
Fort Ritchie	WMBG	BKSS37	1.6E+04	2.8E-01	6.5E-01	2.9E+02	1.3E+00	5.5E-01
Fort Ritchie	WMBG	BKSS38	8.1E+03	3.9E-01	3.0E+00	3.8E+01	1.9E-01	1.5E-01
Fort Ritchie	WMBG	BKSS39	6.6E+03	3.8E-01	2.3E+00	5.0E+01	1.6E-01	9.8E-01
Fort Ritchie	WMBG	BKSS40	5.6E+03	3.2E-01	2.7E+00	3.4E+01	1.2E-01	1.2E-01
Fort Ritchie	WMBG	BKSS19	5.2E+03	3.2E-01	2.3E+00	2.3E+01	6.0E-02	1.3E-01
Fort Ritchie	WMBG	BKSS20	1.8E+04	2.6E-01	1.1E-01	4.8E+01	3.4E-01	1.8E-01
Fort Ritchie	WMBG	BKSS21	1.9E+04	7.6E-01	4.7E-01	7.0E+01	4.0E-01	3.6E+00
Fort Ritchie	WMBG	BKSS22	1.5E+04	2.8E-01	6.0E-02	2.9E+01	3.0E-01	2.1E-01
Fort Ritchie	WMBG	BKSS23	1.8E+04	2.6E-01	2.1E-01	5.7E+01	4.9E-01	2.1E-01
Fort Ritchie	WMBG	BKSS24	1.4E+04	2.8E-01	3.2E-01	7.2E+01	5.5E-01	2.5E-01
			1.9E+04	8.6E-01	8.5E-01	6.6E+01	3.9E-01	3.8E+00

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Fort Ritchie	WMBG	BKSS25	2.1E+04	2.7E-01	6.0E-02	9.0E+01	4.3E-01	2.3E-01
Fort Ritchie	WMBG	BKSS26	2.2E+04	2.8E-01	6.0E-02	1.6E+02	5.1E-01	2.0E-01
Fort Ritchie	WMBG	BKSS27	1.9E+04	3.1E-01	7.0E-02	1.3E+02	4.6E-01	5.4E-01
Fort Ritchie	WMBG	BKSS28	1.5E+04	2.9E-01	6.0E-02	1.1E+02	8.3E-01	3.8E-01
Fort Ritchie	WMBG	BKSS29	1.6E+04	2.8E-01	1.9E-01	8.1E+01	5.2E-01	3.1E-01
Fort Ritchie	WMBG	BKSS30	2.0E+04	1.0E+00	1.2E-01	7.3E+01	2.8E-01	4.0E+00
Fort Ritchie	WMBG	BKSS31	1.5E+04	7.3E-01	3.4E-01	5.2E+01	2.0E-01	2.1E+00
Fort Ritchie	WMBG	BKSS32	2.0E+04	4.8E-01	1.2E-01	4.6E+01	3.1E-01	1.5E+00
Fort Ritchie	WMBG	BKSS33	1.9E+04	1.5E+00	1.2E+00	2.0E+02	3.9E-01	3.0E+00
Fort Ritchie	WMBG	BKSS34	2.0E+04	1.0E+00	1.2E-01	8.5E+01	3.0E-01	2.4E+00
Fort Ritchie	WMBG	BKSS35	1.7E+04	1.1E+00	1.0E+00	3.5E+01	3.2E-01	5.1E+00
Fort Ritchie	WMBG	BKSS36	1.6E+04	8.4E-01	1.6E-01	1.1E+02	3.3E-01	2.1E+00

EMBG = Eastern Maryland Background, CMBG = Central Maryland Background, WMBG = Western Maryland Background. All values reported in parts per million. Not detected analytes reported at one half the detection limit. Not detected analytes italicized. NA = not applicable. Not detected XRF data excluded from analysis due to elevated detection limits.

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Site Name	Province	Designation	Calcium	Chromium (Total)	Cobalt	Copper	Iron	Lead
Ft. Detrick	WMBG	BORMWA1-A	2.3E+03	NA	NA	2.8E+01	3.8E+04	2.8E+01
Ft. Detrick	WMBG	BORMWA1-B	2.7E+03	NA	NA	3.2E+01	6.1E+04	2.3E+01
Ft. Detrick	WMBG	BORMWA2-B	1.9E+03	NA	2.3E+01	NA	3.6E+04	1.5E+01
Ft. Detrick	WMBG	BORMWA3-A	1.5E+03	NA	NA	NA	2.3E+04	2.0E+01
Ft. Detrick	WMBG	BORMWA3-B	3.5E+02	NA	NA	NA	3.5E+04	1.2E+01
Ft. Detrick	WMBG	BORMW9D-A	2.3E+03	NA	NA	2.0E+01	4.1E+04	2.3E+01
Ft. Detrick	WMBG	BORMW9D-B	3.5E+03	NA	NA	NA	3.9E+04	2.0E+01
Ft. Detrick	WMBG	BMW36D-A	1.4E+03	2.1E+01	9.7E+00	1.2E+01	2.6E+04	2.2E+01
Ft. Detrick	WMBG	AMWA3--0	5.4E+03	2.0E+01	1.3E+01	9.0E+00	2.1E+04	1.7E+01
Ft. Detrick	WMBG	AMWA1-0.5	4.3E+03	3.7E+01	1.5E+01	2.4E+01	3.6E+04	2.7E+01
Ft. Detrick	WMBG	AMWA2-0.5	1.9E+04	1.9E+01	1.6E+01	1.4E+01	2.6E+04	2.2E+01
Frederick Tool and Die	WMBG	BMW47D-0	3.3E+03	2.1E+01	1.0E+01	1.2E+01	2.4E+04	3.3E+01
Vale Summit	WMBG	Background Soil	3.3E+03	2.6E+01	1.2E+01	2.5E+01	2.2E+04	1.4E+02
Old Cumberland Land Fill	WMBG	Background Soil	1.6E+03	2.3E+01	3.0E+01	4.8E+01	7.1E+04	4.5E+01
Hoffman Land fill	WMBG	Background Soil	3.7E+03	2.1E+01	5.8E+00	1.6E+01	2.1E+04	3.4E+01
Cabin Run Land Fill	WMBG	Background Soil	2.6E+03	1.2E+01	1.9E+01	2.9E+01	3.4E+04	3.5E+01
Fort Ritchie	WMBG	BKSS07	5.9E+02	1.0E+01	3.6E+00	2.0E+01	2.5E+04	1.2E+01
Fort Ritchie	WMBG	BKSS08	5.7E+01	3.7E+00	1.1E+00	1.4E+00	5.1E+03	3.7E+00
Fort Ritchie	WMBG	BKSS09	1.2E+02	4.2E+00	2.6E+00	1.6E+00	5.4E+03	5.4E+00
Fort Ritchie	WMBG	BKSS11	2.1E+02	3.4E+00	2.3E+00	1.4E+00	4.8E+03	7.6E+00
Fort Ritchie	WMBG	BKSS12	1.3E+02	3.7E+00	8.7E-01	2.6E+00	5.2E+03	1.4E+01
Fort Ritchie	WMBG	BKSS13	6.1E+01	5.2E+00	1.3E+00	1.3E+00	6.7E+03	6.6E+00
Fort Ritchie	WMBG	BKSS14	9.5E+01	3.6E+00	8.0E-01	2.9E+00	4.5E+03	2.8E+01
Fort Ritchie	WMBG	BKSS15	1.0E+02	3.1E+00	3.8E-01	9.0E-02	5.6E+03	3.0E+00
Fort Ritchie	WMBG	BKSS16	7.2E+01	1.7E+00	4.3E-01	4.4E-01	4.3E+03	2.2E+01
Fort Ritchie	WMBG	BKSS17	1.4E+02	3.4E+00	2.0E+00	1.8E+00	4.8E+03	1.4E+01
Fort Ritchie	WMBG	BKSS18	1.3E+02	3.7E+00	2.3E+00	2.0E+00	4.8E+03	1.1E+01
Fort Ritchie	WMBG	BKSS37	3.9E+02	4.5E+00	5.8E+00	5.7E+00	6.9E+03	2.0E+01
Fort Ritchie	WMBG	BKSS38	8.9E+02	7.8E+00	2.1E+00	3.8E+00	1.0E+04	1.5E+01
Fort Ritchie	WMBG	BKSS39	7.2E+02	5.4E+00	1.0E+00	3.2E+00	7.1E+03	1.8E+01
Fort Ritchie	WMBG	BKSS40	8.7E+01	1.9E+01	3.9E-01	1.1E+00	7.0E+03	7.4E+00
Fort Ritchie	WMBG	BKSS19	9.9E+01	4.9E+00	3.8E-01	1.7E+00	6.8E+03	8.9E+00
Fort Ritchie	WMBG	BKSS20	8.1E+02	5.1E+01	4.2E+01	3.8E+01	3.0E+04	6.7E+00
Fort Ritchie	WMBG	BKSS21	8.3E+02	3.8E+01	3.3E+01	2.4E+01	2.9E+04	1.4E+01
Fort Ritchie	WMBG	BKSS22	9.4E+02	5.1E+01	2.4E+01	1.4E+01	2.5E+04	5.3E+00
Fort Ritchie	WMBG	BKSS23	6.1E+02	5.5E+01	4.8E+01	3.8E+01	3.2E+04	5.0E+00
Fort Ritchie	WMBG	BKSS24	9.3E+02	5.1E+01	4.5E+01	1.7E+01	2.7E+04	2.1E+01
			3.5E+03	3.8E+01	4.5E+01	2.4E+01	3.3E+04	1.8E+01

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Fort Ritchie	WMBG	BKSS25	8.4E+02	3.8E+01	3.1E+01	3.3E+01	3.0E+04	7.7E+00
Fort Ritchie	WMBG	BKSS26	7.6E+02	3.5E+01	3.8E+01	4.2E+01	3.4E+04	1.1E+01
Fort Ritchie	WMBG	BKSS27	2.2E+03	3.0E+01	3.1E+01	4.3E+01	3.1E+04	3.4E+01
Fort Ritchie	WMBG	BKSS28	2.3E+03	5.3E+01	4.5E+01	3.0E+01	3.4E+04	1.9E+01
Fort Ritchie	WMBG	BKSS29	2.5E+03	7.4E+01	3.7E+01	3.2E+01	3.0E+04	1.4E+01
Fort Ritchie	WMBG	BKSS30	1.7E+03	3.0E+01	3.0E+01	2.7E+01	3.5E+04	2.2E+01
Fort Ritchie	WMBG	BKSS31	3.9E+02	1.7E+01	1.7E+01	1.4E+01	2.4E+04	1.4E+01
Fort Ritchie	WMBG	BKSS32	4.4E+02	2.1E+01	2.2E+01	1.5E+01	2.3E+04	1.1E+01
Fort Ritchie	WMBG	BKSS33	2.2E+03	4.0E+01	3.0E+01	6.1E+01	3.7E+04	1.7E+02
Fort Ritchie	WMBG	BKSS34	3.5E+03	3.3E+01	3.1E+01	2.3E+01	3.0E+04	2.3E+01
Fort Ritchie	WMBG	BKSS35	1.6E+03	5.0E+01	3.2E+01	3.9E+01	3.5E+04	7.0E+00
Fort Ritchie	WMBG	BKSS36	1.7E+03	2.8E+01	3.3E+01	2.6E+01	3.2E+04	1.7E+01

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Site Name	Province	Designation	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium
Ft. Detrick	WMBG	BORMWA1-A	NA	1.0E+03	NA	NA	4.3E+04	NA
Ft. Detrick	WMBG	BORMWA1-B	NA	4.8E+02	NA	NA	3.9E+04	NA
Ft. Detrick	WMBG	BORMWA2-B	NA	2.7E+02	NA	NA	2.7E+04	NA
Ft. Detrick	WMBG	BORMWA3-A	NA	1.0E+03	NA	NA	1.8E+04	NA
Ft. Detrick	WMBG	BORMWA3-B	NA	3.1E+02	NA	NA	2.1E+04	NA
Ft. Detrick	WMBG	BORMW9D-A	NA	1.5E+03	NA	NA	2.0E+04	NA
Ft. Detrick	WMBG	BORMW9D-B	NA	1.7E+03	NA	NA	2.0E+04	NA
Ft. Detrick	WMBG	BMW36D-A	2.7E+03	4.3E+02	5.0E-02	1.6E+01	2.6E+03	5.0E+00
Ft. Detrick	WMBG	AMWA3--0	2.6E+03	1.1E+03	5.0E-02	1.5E+01	2.5E+03	8.2E+00
Ft. Detrick	WMBG	AMWA1-0.5	6.2E+03	9.0E+02	5.0E-02	2.9E+01	4.4E+03	9.6E+00
Ft. Detrick	WMBG	AMWA2-0.5	4.1E+03	1.5E+03	5.0E-02	2.0E+01	3.6E+03	5.0E+00
Frederick Tool and Die	WMBG	BMW47D-0	2.5E+03	5.5E+02	5.0E-02	1.4E+01	1.7E+03	5.0E+00
Vale Summit	WMBG	Background Soil	2.2E+03	8.3E+02	6.0E-02	1.6E+01	1.6E+03	7.3E-01
Old Cumberland Land Fill	WMBG	Background Soil	1.4E+03	1.7E+03	4.0E-02	4.7E+01	1.9E+03	8.6E-01
Hoffman Land fill	WMBG	Background Soil	6.5E+02	1.1E+02	6.0E-02	8.8E+00	5.7E+02	1.2E+00
Cabin Run Land Fill	WMBG	Background Soil	1.0E+03	1.2E+03	1.0E-01	2.2E+01	1.2E+03	3.5E-01
Fort Ritchie	WMBG	BKSS07	2.5E+02	4.1E+01	5.0E-02	1.8E+00	1.0E+03	NA
Fort Ritchie	WMBG	BKSS08	3.3E+02	5.7E+01	6.0E-02	1.9E+00	7.0E+02	9.0E-01
Fort Ritchie	WMBG	BKSS09	4.8E+02	1.8E+02	6.0E-02	4.0E+00	8.7E+02	4.1E-01
Fort Ritchie	WMBG	BKSS11	4.4E+02	4.5E+02	6.0E-02	3.0E+00	5.6E+02	1.0E+00
Fort Ritchie	WMBG	BKSS12	2.7E+02	1.7E+02	8.0E-02	2.1E+00	1.5E+02	7.0E-01
Fort Ritchie	WMBG	BKSS13	4.1E+02	1.7E+02	8.0E-02	2.6E+00	1.9E+02	7.1E-01
Fort Ritchie	WMBG	BKSS14	2.4E+02	9.9E+01	8.0E-02	2.0E+00	1.7E+02	9.6E-01
Fort Ritchie	WMBG	BKSS15	1.9E+02	4.4E+01	7.0E-02	1.4E+00	2.4E+02	5.9E-01
Fort Ritchie	WMBG	BKSS16	9.1E+01	1.5E+02	9.0E-02	7.5E-01	6.2E+02	9.0E-01
Fort Ritchie	WMBG	BKSS17	2.9E+02	1.9E+02	8.0E-02	2.4E+00	5.3E+02	6.7E-01
Fort Ritchie	WMBG	BKSS18	4.2E+02	1.6E+02	8.0E-02	4.0E+00	5.7E+02	9.9E-01
Fort Ritchie	WMBG	BKSS37	5.8E+02	2.4E+03	1.2E-01	1.3E+01	6.1E+02	1.8E+00
Fort Ritchie	WMBG	BKSS38	6.6E+02	1.1E+02	7.0E-02	4.7E+00	5.7E+02	3.6E-01
Fort Ritchie	WMBG	BKSS39	3.7E+02	5.9E+01	8.0E-02	2.9E+00	5.2E+02	6.4E-01
Fort Ritchie	WMBG	BKSS40	2.4E+02	4.0E+01	7.0E-02	8.4E+00	3.7E+02	5.3E-01
Fort Ritchie	WMBG	BKSS19	2.5E+02	2.3E+01	6.0E-02	2.1E+00	3.9E+02	4.0E-01
Fort Ritchie	WMBG	BKSS20	1.3E+04	9.5E+02	7.0E-02	5.3E+01	1.1E+02	1.7E+00
Fort Ritchie	WMBG	BKSS21	8.9E+03	1.1E+03	1.3E-01	4.4E+01	1.4E+02	1.8E+00
Fort Ritchie	WMBG	BKSS22	1.2E+04	3.3E+02	3.5E-02	5.2E+01	1.1E+02	1.5E+00
Fort Ritchie	WMBG	BKSS23	8.3E+03	9.1E+02	6.0E-02	4.9E+01	1.3E+02	1.6E+00
Fort Ritchie	WMBG	BKSS24	4.4E+03	1.9E+03	9.0E-02	3.4E+01	1.8E+02	1.9E+00
			8.6E+03	1.4E+03	1.0E-01	3.8E+01	2.2E+02	2.4E+00

WESTERN

Fort Ritchie	WMBG	BKSS25	1.3E+04	8.0E+02	7.0E-02	4.8E+01	1.5E+02	1.7E+00
Fort Ritchie	WMBG	BKSS26	1.4E+04	1.1E+03	8.0E-02	5.3E+01	1.5E+02	1.6E+00
Fort Ritchie	WMBG	BKSS27	1.2E+04	1.8E+03	1.3E-01	4.2E+01	4.3E+02	2.2E+00
Fort Ritchie	WMBG	BKSS28	6.9E+03	2.1E+03	1.1E-01	3.8E+01	1.5E+02	2.2E+00
Fort Ritchie	WMBG	BKSS29	1.1E+04	1.9E+03	9.0E-02	5.2E+01	1.3E+02	2.2E+00
Fort Ritchie	WMBG	BKSS30	9.8E+03	8.6E+02	9.0E-02	3.8E+01	1.8E+02	2.1E+00
Fort Ritchie	WMBG	BKSS31	4.1E+03	1.4E+03	8.0E-02	1.9E+01	1.9E+02	1.0E+00
Fort Ritchie	WMBG	BKSS32	1.3E+04	4.4E+02	1.2E-01	3.0E+01	1.6E+02	1.5E+00
Fort Ritchie	WMBG	BKSS33	1.3E+04	2.0E+03	1.7E-01	4.6E+01	2.1E+02	2.4E+00
Fort Ritchie	WMBG	BKSS34	1.4E+04	1.3E+03	1.8E-01	4.3E+01	2.0E+02	2.1E+00
Fort Ritchie	WMBG	BKSS35	1.3E+04	6.3E+02	8.0E-02	5.8E+01	1.3E+02	2.4E+00
Fort Ritchie	WMBG	BKSS36	1.1E+04	1.9E+03	1.5E-01	3.7E+01	1.2E+02	2.1E+00

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Site Name	Province	Designation	Silver	Sodium	Thallium	Vanadium	Zinc
Ft. Detrick	WMBG	BORMWA1-A	NA	NA	NA	1.9E+02	7.9E+01
Ft. Detrick	WMBG	BORMWA1-B	NA	NA	NA	1.5E+02	6.3E+01
Ft. Detrick	WMBG	BORMWA2-B	NA	NA	NA	1.7E+02	6.1E+01
Ft. Detrick	WMBG	BORMWA3-A	NA	NA	NA	1.7E+02	6.2E+01
Ft. Detrick	WMBG	BORMWA3-B	NA	NA	NA	1.6E+02	6.6E+01
Ft. Detrick	WMBG	BORMW9D-A	NA	NA	NA	1.9E+02	9.0E+01
Ft. Detrick	WMBG	BORMW9D-B	NA	NA	NA	2.4E+02	7.5E+01
Ft. Detrick	WMBG	BMW36D-A	1.0E+00	9.6E+01	1.0E+01	5.4E+01	6.2E+01
Ft. Detrick	WMBG	AMWA3--0	1.0E+00	1.0E+02	1.0E+01	4.7E+01	5.4E+01
Ft. Detrick	WMBG	AMWA1-0.5	1.0E+00	9.3E+01	1.0E+01	6.1E+01	6.1E+01
Ft. Detrick	WMBG	AMWA2-0.5	1.0E+00	7.2E+01	1.0E+01	5.3E+01	5.9E+01
Ft. Detrick	WMBG	BMW47D-0	1.0E+00	7.4E+01	1.0E+01	5.2E+01	6.3E+01
Frederick Tool and Die	WMBG	Background Soil	1.7E+00	5.3E+01	4.8E-01	3.5E+01	1.1E+02
Vale Summit	WMBG	Background Soil	NA	NA	NA	3.4E+01	1.6E+02
Old Cumberland Land Fill	WMBG	Background Soil	2.2E-01	8.9E+01	4.3E-01	1.9E+01	1.3E+02
Hoffman Land fill	WMBG	Background Soil	1.0E+00	1.2E+02	1.0E+00	1.8E+01	7.8E+01
Cabin Run Land Fill	WMBG	Background Soil	1.0E+00	3.8E+01	1.0E+00	2.3E+01	2.5E+01
Fort Ritchie	WMBG	BKSS07	1.7E+00	7.2E+01	6.0E-02	7.8E+00	1.0E+01
Fort Ritchie	WMBG	BKSS08	1.7E+00	7.7E+01	1.2E-01	8.4E+00	1.8E+01
Fort Ritchie	WMBG	BKSS09	3.5E+00	7.4E+01	1.2E-01	7.2E+00	1.6E+01
Fort Ritchie	WMBG	BKSS11	1.8E+00	7.6E+01	1.2E-01	8.9E+00	1.0E+01
Fort Ritchie	WMBG	BKSS12	1.7E+00	7.0E+01	1.2E-01	1.1E+01	1.1E+01
Fort Ritchie	WMBG	BKSS13	1.7E+00	7.2E+01	1.2E-01	8.0E+00	1.0E+01
Fort Ritchie	WMBG	BKSS14	9.5E-02	8.4E+01	6.0E-02	7.5E+00	8.4E+00
Fort Ritchie	WMBG	BKSS15	2.1E-01	9.7E+01	6.5E-02	4.1E+00	5.5E+00
Fort Ritchie	WMBG	BKSS16	1.9E+00	7.5E+01	1.3E-01	7.5E+00	1.4E+01
Fort Ritchie	WMBG	BKSS17	1.7E+00	7.3E+01	1.2E-01	7.8E+00	2.0E+01
Fort Ritchie	WMBG	BKSS18	1.9E+00	8.0E+01	6.5E-02	7.4E+00	6.4E+01
Fort Ritchie	WMBG	BKSS37	9.5E-02	9.5E+01	6.0E-02	1.4E+01	2.5E+01
Fort Ritchie	WMBG	BKSS38	1.0E-01	1.1E+02	1.9E-01	9.7E+00	2.2E+01
Fort Ritchie	WMBG	BKSS39	9.5E-02	9.3E+01	6.0E-02	8.2E+00	1.0E+01
Fort Ritchie	WMBG	BKSS40	9.5E-02	9.4E+01	2.5E-01	8.6E+00	9.7E+00
Fort Ritchie	WMBG	BKSS19	1.7E+01	9.2E+01	6.0E-02	9.3E+01	6.3E+01
Fort Ritchie	WMBG	BKSS20	2.1E-01	1.0E+02	6.5E-02	7.3E+01	5.7E+01
Fort Ritchie	WMBG	BKSS21	1.9E+01	8.8E+01	6.5E-02	8.2E+01	5.3E+01
Fort Ritchie	WMBG	BKSS22	1.8E+01	7.7E+01	1.6E-01	1.1E+02	5.6E+01
Fort Ritchie	WMBG	BKSS23	1.9E+01	8.2E+01	1.5E-01	9.2E+01	4.7E+01
Fort Ritchie	WMBG	BKSS24	2.1E-01	1.2E+02	6.5E-02	7.8E+01	6.2E+01

WESTERN

Fort Ritchie	WMBG	BKSS25	1.8E+01	8.1E+01	1.5E-01	8.5E+01	8.7E+01
Fort Ritchie	WMBG	BKSS26	1.8E+01	8.0E+01	1.3E-01	1.1E+02	9.9E+01
Fort Ritchie	WMBG	BKSS27	2.1E+01	9.5E+01	7.5E-02	9.7E+01	1.0E+02
Fort Ritchie	WMBG	BKSS28	1.9E+01	1.0E+02	1.4E-01	1.1E+02	7.2E+01
Fort Ritchie	WMBG	BKSS29	1.9E+01	1.2E+02	1.4E-01	9.6E+01	7.2E+01
Fort Ritchie	WMBG	BKSS30	2.1E-01	1.3E+02	6.5E-02	8.7E+01	6.6E+01
Fort Ritchie	WMBG	BKSS31	1.0E-01	9.2E+01	6.5E-02	4.0E+01	3.2E+01
Fort Ritchie	WMBG	BKSS32	1.1E-01	1.2E+02	1.3E-01	3.7E+01	6.5E+01
Fort Ritchie	WMBG	BKSS33	1.1E-01	1.4E+02	1.3E-01	7.1E+01	2.8E+02
Fort Ritchie	WMBG	BKSS34	1.1E-01	1.8E+02	1.4E-01	6.0E+01	8.6E+01
Fort Ritchie	WMBG	BKSS35	5.0E-01	1.2E+02	1.5E-01	9.0E+01	6.0E+01
Fort Ritchie	WMBG	BKSS36	1.1E-01	1.2E+02	1.3E-01	6.0E+01	9.1E+01

EMBG = Eastern Maryland Background, CMBG = Central Maryland Background, WMBG = Western Maryland Background. All values reported in parts per million. Not detected analytes reported at one half the detection limit. Not detected analytes italicized. NA = not applicable. Not detected XRF data excluded from analysis due to elevated detection limits.

APPENDIX D—HHRA TABLES

APPENDIX D

SUPPORTING INFORMATION FOR HEALTH RISK ASSESSMENT

D-1 RAGS Part D Tables
D-2 ProUCL Output
D-3 Sample Calculations
D-4 Historical Filtered Groundwater Samples
D-5 Refined Risk Evaluation of DRO/GRO

APPENDIX D-1

RAGS PART D TABLES

LIST OF TABLES
RAGS PART D TABLE 1
SELECTION OF EXPOSURE PATHWAYS

Table No.

1 Selection of Exposure Pathways

Table 1

Selection of Exposure Pathways - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Scenario Timeframe	Medium	Exposure Medium	Exposure Point	Receptor Population	Receptor Age	Exposure Route	Type of Analysis	Rationale for Selection or Exclusion of Exposure Pathway
Current/Future	Surface Soil	Surface Soil	Tax Blocks	Construction Workers	Adult	Ingestion Dermal	Quant Quant	Construction workers may have contact with surface soil during excavation activities.
				Industrial Worker	Adult	Ingestion Dermal	Quant Quant	Industrial workers may contact surface soil during normal work activities.
				Commercial Receptors	Child	Ingestion Dermal	Quant Quant	Child commercial receptors may contact surface soil while at the site.
					Adolescent	Ingestion Dermal	Quant Quant	Adolescent commercial receptors may contact surface soil while at the site.
					Adult	Ingestion Dermal	Quant Quant	Adult commercial receptors may contact surface soil while at the site.
				Recreational Users	Child	Ingestion Dermal	Quant Quant	Child recreational users may contact surface soil while at the site.
					Adolescent	Ingestion Dermal	Quant Quant	Adolescent recreational users may contact surface soil while at the site.
					Adult	Ingestion Dermal	Quant Quant	Adult recreational users may contact surface soil while at the site.
		Air	Tax Blocks	Construction Workers	Adult	Inhalation	Quant	Construction workers may be exposed to fugitive dust and volatile emissions during construction activities.
				Industrial Worker	Adult	Inhalation	Quant	Industrial workers may be exposed to fugitive dust and volatile emissions during work activities.
				Commercial Receptors	Child	Inhalation	Quant	Child commercial receptors may be exposed to fugitive dust and volatile emissions while at the site.
					Adolescent	Inhalation	Quant	Adolescent commercial receptors may be exposed to fugitive dust and volatile emissions while at the site.
					Adult	Inhalation	Quant	Adult commercial receptors may be exposed to fugitive dust and volatile emissions while at the site.
				Recreational Users	Child	Inhalation	Quant	Child recreational users may be exposed to fugitive dust and volatile emissions while at the site.
					Adolescent	Inhalation	Quant	Adolescent recreational users may be exposed to fugitive dust and volatile emissions while at the site.
					Adult	Inhalation	Quant	Adult recreational users may be exposed to fugitive dust and volatile emissions while at the site.
	Subsurface Soil	Subsurface Soil	Tax Blocks	Construction Workers	Adult	Ingestion Dermal	Quant Quant	Construction workers may have contact with subsurface soil during excavation activities.
				Industrial Worker	Adult	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by industrial workers is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
				commercial Land use Users	Child	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by child commercial receptors is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by adolescent commercial land use users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by adult commercial land use users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
				Recreational Users	Child	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by child recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by adolescent recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Ingestion Dermal	Quant Quant	Although exposure to subsurface soil by adult recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.

Table 1

Selection of Exposure Pathways - Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
Page 2 of 2

Scenario Timeframe	Medium	Exposure Medium	Exposure Point	Receptor Population	Receptor Age	Exposure Route	Type of Analysis	Rationale for Selection or Exclusion of Exposure Pathway
Current/Future	Subsurface Soil	Air	Tax Blocks	Construction Workers	Adult	Inhalation	Quant	Construction workers may be exposed to fugitive dust and volatile emissions during construction activities.
				Industrial Worker	Adult	Inhalation	Quant	Although exposure to subsurface soil by industrial workers is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
				Commercial Receptors	Child	Inhalation	Quant	Although exposure to subsurface soil by child commercial receptors is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Inhalation	Quant	Although exposure to subsurface soil by adolescent commercial receptors is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Inhalation	Quant	Although exposure to subsurface soil by adult commercial receptors is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
				Recreational Users	Child	Inhalation	Quant	Although exposure to subsurface soil by child recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adolescent	Inhalation	Quant	Although exposure to subsurface soil by adolescent recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Inhalation	Quant	Although exposure to subsurface soil by adult recreational users is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
Future	Surface Soil	Surface Soil	Tax Blocks	Residents	Child	Ingestion Dermal	Quant Quant	
					Adolescent	Ingestion Dermal	Quant Quant	Although a future residential scenario is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Ingestion Dermal	Quant Quant	
		Air	Tax Blocks	Residents	Child	Inhalation	Quant	
					Adolescent	Inhalation	Quant	Although a future residential scenario is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Inhalation	Quant	
	Subsurface Soil	Subsurface Soil	Tax Blocks	Residents	Child	Ingestion Dermal	Quant Quant	
					Adolescent	Ingestion Dermal	Quant Quant	Although a future residential scenario is considered unlikely at the site, this scenario is included to aid in future risk management decisions.
					Adult	Ingestion Dermal	Quant Quant	
		Air	Tax Blocks	Residents	Child	Inhalation	Quant	
					Adolescent	Inhalation	Quant	Although a future residential scenario is considered unlikely at the site. this scenario is included to aid in future risk management decisions.
					Adult	Inhalation	Quant	

Notes:
Quant - Quantitative.

LIST OF TABLES
RAGS PART D TABLE 2
OCCURRENCE, DISTRIBUTION AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN

Table No.

2.1 Surface Soil - Direct Contact
2.2 Surface Soil - Migration From Soil to Groundwater
2.3 Subsurface Soil - Direct Contact
2.4 Subsurface Soil - Migration From Soil to Groundwater

Table 2.1

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Surface Soil (0-2 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Volatile Organic Compounds**													
	75-34-3	1,1-DICHLOROETHANE	1 J	1 J	ug/kg	SB-195-SS	1/109	0.27 - 710	1	1600000	3,300 C	120,000 N	No	BSL
	75-35-4	1,1-DICHLOROETHENE	2.5	2.5	ug/kg	SB-195-SS	1/109	0.39 - 750	2.5	390000	24,000 N	29,000 N	No	BSL
	87-61-6	**1,2,3-TRICHLOROBENZENE**	11 J	43000 J	ug/kg	E-SB-833K-02	8/109	0.28 - 8	43000	NA	**4,900 N**	NA	**Yes**	ASL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.2 J	0.4 J	ug/kg	SB-284-0102	3/56	0.13 - 7.1	0.4	NA	NA	NA	No	NTX
	120-82-1	**1,2,4-TRICHLOROBENZENE**	47 J	210000	ug/kg	E-SB-833K-02	8/109	0.2 - 8	210000	**78000**	**6,200 N[8]**	**18,000 N**	**Yes**	ASL
	95-63-6	1,2,4-TRIMETHYLBENZENE	0.83 J	33	ug/kg	SB-66-SS	4/109	0.48 - 210	33	NA	6,200 N	12,000 N	No	BSL
	95-50-1	1,2-DICHLOROBENZENE	3.4 J	970 J	ug/kg	E-SB-833E-02	4/109	0.27 - 360	970	700000	190,000 N	600,000 sat	No	BSL
	108-67-8	1,3,5-TRIMETHYLBENZENE	23	23	ug/kg	SB-66-SS	1/53	1.92 - 8	23	NA	78,000 N	7,200 N	No	BSL
	541-73-1	1,3-DICHLOROBENZENE	0.33 J	1100 J	ug/kg	E-SB-833K-02	4/109	0.26 - 190	1100	23000	NA	NA	No	BSL
	106-46-7	**1,4-DICHLOROBENZENE**	1.3 J	2700 J	ug/kg	E-SB-833K-02	7/109	0.49 - 8	2700	27000	**2,400 C**	1,100,000 N	**Yes**	ASL
	78-93-3	2-BUTANONE	1.6 J	88 J	ug/kg	E-SB-833J-02	24/104	1 - 1800	88	4700000	2,800,000 N	24,000,000 sat	No	BSL
	67-64-1	ACETONE	7.3 J	440 J	ug/kg	D-SB-788-SS	31/107	4.7 - 9800	440	7000000	6,100,000 N	NA	No	BSL
	71-43-2	BENZENE	0.72 J	0.72 J	ug/kg	D-SS-786-01	1/110	0.17 - 500	0.72	12000	1,100 C	830 C	No	BSL
	75-15-0	CARBON DISULFIDE	0.65 J	7.1	ug/kg	SB-238-SS	20/109	0.33 - 500	7.1	780000	82,000 N	720,000 sat	No	BSL
	108-90-7	CHLOROBENZENE	12	12	ug/kg	E-SB-833G-02	1/109	0.24 - 270	12	160000	29,000 N	13,000 N	No	BSL
	74-87-3	CHLOROMETHANE	3 J	3 J	ug/kg	SB-284-0102	1/109	0.3 - 580	3	NA	12,000 N	2,100 C	No	BSL
	100-41-4	ETHYLBENZENE	0.31 J	8	ug/kg	SB-66-SS	3/110	0.19 - 230	8	780000	5,400 C	400,000 sat	No	BSL
	98-82-8	ISOPROPYLBENZENE	47 J	47 J	ug/kg	SB-84-SS	1/109	0.12 - 270	47	780000	210,000 N	850,000 sat	No	BSL
	--	M+P-XYLENES	10 J	10 J	ug/kg	SB-66-SS, SB-33A-SS	2/109	0.89 - 260	10	1600000 [9]	63,000 N[10]	70,000 N[10]	No	BSL
	75-09-2	METHYLENE CHLORIDE	2.9 J	88 J	ug/kg	E-SB-833F-02	20/109	0.5 - 3200	88	85000	11,000 C	13,000 C	No	BSL
	104-51-8	N-BUTYLBENZENE	0.9 J	0.9 J	ug/kg	SB-284-0102	1/109	0.17 - 330	0.9	NA	NA	NA	No	NTX
	103-65-1	N-PROPYLBENZENE	7 J	7 J	ug/kg	SB-84-SS	1/109	0.3 - 580	7	NA	340,000 N	NA	No	BSL
	91-20-3	NAPHTHALENE	2 J	260	ug/kg	SB-66-SS	8/110	0.14 - 280	260	160000	3,600 C	17,000 N	No	BSL
	95-47-6	O-XYLENE	0.43 J	23	ug/kg	SB-66-SS	2/109	0.26 - 360	23	1600000 [9]	380,000 N	NA	No	BSL
	75-65-0	TERTIARY-BUTYL ALCOHOL	5 J	620 J	ug/kg	E-SB-833L-02	4/20	8 - 61	620	NA	NA	NA	No	NTX
	127-18-4	TETRACHLOROETHENE	1.8 J	1.8 J	ug/kg	E-SB-833N-02	1/109	0.39 - 500	1.8	1200	550 C	10,000 C	No	BSL
	108-88-3	TOLUENE	0.31 J	13.3	ug/kg	SB-202-SS	14/110	0.2 - 710	13.3	630000	500,000 N	650,000 sat	No	BSL
	1330-20-7	TOTAL XYLENES	1.1 J	1.2 J	ug/kg	SB-500-0001	2/69	0.5 - 340	1.2	1600000 [9]	63,000 N	70,000 N	No	BSL
	79-01-6	TRICHLOROETHENE	0.65 J	4.8	ug/kg	SB-202-SS	6/109	0.31 - 410	4.8	1600	2,800 C	71 C	No	BSL
	75-69-4	TRICHLOROFLUOROMETHANE	0.85 J	0.85 J	ug/kg	D-SB-794-SS	1/109	0.25 - 670	0.85	NA	79,000 N	110,000 N	No	BSL
	Semivolatile Organic Compounds													
	88-74-4	2-NITROANILINE	44 J	44 J	ug/kg	SB-6A-SS	1/108	9.5 - 15000	44	NA	61,000 N	120 N	No	BSL
	65-85-0	BENZOIC ACID	67.4 J	925	ug/kg	SB-267-SS	11/31	40.9 - 16000	925	NA	24,000,000 N	NA	No	BSL
	100-51-6	BENZYL ALCOHOL	47.5 J	47.5 J	ug/kg	SB-269-02	1/29	360 - 8110	47.5	NA	610,000 N	NA	No	BSL
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	20 J	93 J	ug/kg	SB-505-0001	9/108	20 - 7600	93	46000	35,000 C	NA	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	25 J	120 J	ug/kg	SB-507-0001	3/108	10 - 7600	120	NA	260,000 C	NA	No	BSL
	105-60-2	CAPROLACTAM	140 J	140 J	ug/kg	SB-1A-SS	1/77	39 - 7600	140	NA	3,100,000 N	NA	No	BSL
	86-74-8	CARBAZOLE	27 J	4640	ug/kg	SB-268-SS	18/108	28 - 7600	4640	32000	NA	NA	No	BSL
	84-74-2	DI-N-BUTYL PHTHALATE	28 J	38 J	ug/kg	SB-266-SS	6/108	16 - 7600	38	780000	610,000 N	NA	No	BSL
	117-84-0	DI-N-OCTYL PHTHALATE	53 J	53 J	ug/kg	SB-95-SS	1/108	28 - 7600	53	NA	NA	NA	No	NTX
	132-64-9	DIBENZOFURAN	11 J	1650 J	ug/kg	SB-268-SS	13/108	3.4 - 7600	1650	7800	7,800 N	NA	No	BSL
	131-11-3	DIMETHYL PHTHALATE	60 J	2000 J	ug/kg	SB-58-SS	2/108	18 - 8110	2000	NA	NA	NA	No	NTX
	108-95-2	PHENOL	420	940 J	ug/kg	SB-92-SS	2/108	28 - 8110	940	2300000	1,800,000 N	NA	No	BSL
	Polycyclic Aromatic Hydrocarbons													
	90-12-0	1-METHYLNAPHTHALENE	10	480	ug/kg	D-SB-771-SS	9/82	3.4 - 1670	480	NA	22,000 C	NA	No	BSL
	91-57-6	2-METHYLNAPHTHALENE	8.9	990 J	ug/kg	SB-66-SS	23/159	3.4 - 7600	990	31000	31,000 N	NA	No	BSL
	83-32-9	ACENAPHTHENE	7.5 J	4500	ug/kg	D-SB-771-SS	46/198	3.4 - 7600	4500	470000	340,000 N	NA	No	BSL
	208-96-8	ACENAPHTHYLENE	10	1600 J	ug/kg	SB-67-SS	28/198	3.4 - 7600	1600	470000	340,000 N[11]	NA	No	BSL
	120-12-7	ANTHRACENE	10	9420	ug/kg	SB-268-SS	71/198	3.5 - 7600	9420	2300000	1,700,000 N	NA	No	BSL
	--	**BAP EQUIVALENT-POSITIVE RESULTS[21]**	0.0072	49963	ug/kg	F-SB-95RE-1	429/565	1.4 - 4200	49963	**22**	**15 C**	NA	**Yes**	ASL
	--	**BAP EQUIVALENT-1/2 NONDETECT[21]**	1.6	50001	ug/kg	F-SB-95RE-1	429/565	1.4 - 4200	50001	**22**	**15 C**	NA	**Yes**	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	2.8 J	42000	ug/kg	F-SB-95RE-1	330/458	1 - 4800	42000	**220**	**150 C**	NA	**Yes**	ASL
	50-32-8	**BENZO(A)PYRENE**	2.8 J	38000	ug/kg	F-SB-95RE-1	407/565	1.4 - 4800	38000	**22**	**15 C**	NA	**Yes**	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	1.9 J	55000	ug/kg	F-SB-95RE-1	340/452	1.3 - 4800	55000	**220**	**150 C**	NA	**Yes**	ASL
	--	**BENZO(B+K)FLUORANTHENE**	220 J	7200 J	ug/kg	SB-84-SS	4/6	400 - 2100	7200	**220 [19]**	**150 C[19]**	NA	**Yes**	ASL
	191-24-2	BENZO(G,H,I)PERYLENE	8 J	24000 J	ug/kg	SB-91-SS	98/198	3.5 - 7600	24000	230000	170,000 N[12]	NA	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	1.475	23000	ug/kg	F-SB-95RE-1, SB-268-SS	283/452	1.6 - 7600	23000	**2200**	**1,500 C**	NA	**Yes**	ASL
	218-01-9	**CHRYSENE**	3.2 J	41000	ug/kg	G-SB-761C-1	343/458	0.96 - 4200	41000	**22000**	**15,000 C**	NA	**Yes**	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	2.8 J	7200 J	ug/kg	SB-91-SS	179/458	1.4 - 7600	7200	**22**	**15 C**	NA	**Yes**	ASL
	206-44-0	FLUORANTHENE	8.4	63200	ug/kg	SB-268-SS	136/198	3.6 - 4800	63200	310000	230,000 N	NA	No	BSL
	86-73-7	FLUORENE	8.8	3580	ug/kg	SB-268-SS	48/198	3.4 - 7600	3580	310000	230,000 N	NA	No	BSL

Table 2.1

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Surface Soil (0-2 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Polycyclic Aromatic Hydrocarbons (continued)**													
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	2.4 J	20000	ug/kg	F-SB-95RE-1	305/458	0.41 - 7600	20000	**220**	**150 C**	NA	**Yes**	ASL
	91-20-3	NAPHTHALENE	7.3	3100	ug/kg	D-SB-771-SS	42/198	3.4 - 7600	3100	160000	3,600 C	17,000 N	No	BSL
	85-01-8	PHENANTHRENE	8	36100	ug/kg	SB-268-SS	111/198	3.5 - 4800	36100	2300000	170,000 N[12]	NA	No	BSL
	129-00-0	PYRENE	7 J	55000 J	ug/kg	SB-91-SS	143/198	3.6 - 3700	55000	230000	170,000 N	NA	No	BSL
	Pesticides/Polychlorinated Biphenyls													
	72-54-8	4,4'-DDD	4 J	4 J	ug/kg	D-SB-794-SS	1/27	0.66 - 1200	4	2700	2,000 C	NA	No	BSL
	72-55-9	4,4'-DDE	1.5 J	7.8 J	ug/kg	D-SS-783-01	3/27	0.41 - 1200	7.8	1900	1,400 C	NA	No	BSL
	53469-21-9	AROCLOR-1242	32 J	58	ug/kg	SB-235-SS	2/341	14 - 740000	58	320	220 C	NA	No	BSL
	11097-69-1	**AROCLOR-1254**	12 J	36000	ug/kg	SB-555-SS0-0.5	5/341	17 - 740000	36000	**320**	**110 N[8]**	NA	**Yes**	ASL
	11096-82-5	**AROCLOR-1260**	4.3 J	1800000	ug/kg	SB-353-0001	151/341	17 - 410	1800000	**320**	**220 C**	NA	**Yes**	ASL
	319-85-7	BETA-BHC	6.4 J	9.1 J	ug/kg	D-SS-783-01	2/27	1.2 - 1200	9.1	350	270 C	6,000 C	No	BSL
	1336-36-3	**TOTAL AROCLOR**	4.3	1800000	ug/kg	SB-353-0001	153/341	0 - 0	1800000	**320 [13]**	**220 C[14]**	NA	**Yes**	ASL
	Metals													
	7440-36-0	**ANTIMONY**	0.031 L	4 L	mg/kg	SB-237-01	54/102	0.025 - 3.3	4	**3.1**	**3.1 N**	NA	**Yes**	ASL
	7440-38-2	**ARSENIC**	0.52 J	37	mg/kg	SB-92-SS	111/133	0.48 - 4.8	37	**0.43**	**0.39 C**	769 C	**Yes**	ASL
	7440-39-3	BARIUM	3.7	207	mg/kg	SB-268-SS	73/73	--	207	1600	1,500 N	70900 N	No	BSL
	7440-41-7	BERYLLIUM	0.055 J	5.4	mg/kg	SB-91-SS	77/115	0.05 - 4	5.4	16	16 N	1380 C	No	BSL
	7440-43-9	**CADMIUM**	0.0125	14	mg/kg	SB-85-SS	45/115	0.0082 - 4	14	**3.9**	**7 N**	1840 C	**Yes**	ASL
	7440-47-3	CHROMIUM	3.1 K	185	mg/kg	SB-237-01	115/115	--	185	12000 [15]	12,000 N[15]	276 C	No	BSL
	7440-48-4	**COBALT**	0.5	51.2	mg/kg	SB-197-SS	73/73	--	51.2	NA	**2.3 N**	1180 C	**Yes**	ASL
	7440-50-8	COPPER	2.9	74	mg/kg	SB-55-SS	114/115	2.6 - 2.6	74	310	310 N	NA	No	BSL
	7439-89-6	**IRON**	3870	29900	mg/kg	SB-518-0001	36/36	--	29900	**5500**	**5,500 N**	NA	**Yes**	ASL
	7439-92-1	**LEAD**	0.98	447	mg/kg	SB-268-SS	106/115	2.8 - 8	447	**400**	**400**	NA	**Yes**	ASL
	7439-96-5	**MANGANESE**	9.4 J	1370 J	mg/kg	SB-503-0001	36/36	--	1,370	**160**	**180 N**	7090 N	**Yes**	ASL
	7439-97-6	**MERCURY**	0.01	4.2	mg/kg	SB-84-SS	94/167	0.01 - 0.16	4.2	**2.3 [16]**	**2.3 N[17]**	NA	**Yes**	ASL
	7439-98-7	**MOLYBDENUM**	0.14 J	63	mg/kg	SB-237-01	25/73	0.077 - 2	63	NA	**39 N**	NA	**Yes**	ASL
	7440-02-0	**NICKEL**	0.64	280 J	mg/kg	SB-86-SS	108/115	5 - 9	280	**160**	**150 N**	NA	**Yes**	ASL
	7782-49-2	SELENIUM	0.11 J	4.7	mg/kg	SB-91-SS	43/115	0.18 - 4	4.7	39	39 N	NA	No	BSL
	7440-22-4	SILVER	0.023 J	3.4	mg/kg	SB-23A-SS	36/89	0.017 - 3.2	3.4	39	39 N	NA	No	BSL
	7440-28-0	THALLIUM	0.026 K	0.38	mg/kg	SB-504-0001	15/115	0.014 - 3.2	0.38	0.55	NA	NA	No	BSL
	7440-62-2	**VANADIUM**	8.5 J	60.7 J	mg/kg	SB-505-0001	73/73	--	60.7	**7.8**	**39 N[18]**	NA	**Yes**	ASL
	7440-66-6	ZINC	2.9	302	mg/kg	SB-505-0001	95/115	3.1 - 40	302	2300	2,300 N	NA	No	BSL
	Petroleum Hydrocarbons													
	--	**DIESEL RANGE ORGANICS**	8600 J	8900000 J	ug/kg	E-SB-833A-02	47/73	10000 - 18000	8900000	**230000**	NA	NA	**Yes**	ASL
	--	**GASOLINE RANGE ORGANICS**	31 J	810000	ug/kg	G-SB-734-0-4	23/85	13.1 - 13300	810000	**230000**	NA	NA	**Yes**	ASL
	--	TPH (C09-C36)	3300 J	34000	ug/kg	SB-284-0102	6/7	6100 - 6100	34000	NA	28,400,000 N[20]	NA	No	BSL
	--	TPH (C10-C32)	2200 J	650000	ug/kg	SB-503-0001	13/21	610 - 22000	650000	NA	28,400,000 N[20]	NA	No	BSL
	Miscellaneous Parameters													
	18540-29-9	**HEXAVALENT CHROMIUM**	0.32 J	3.6	mg/kg	SB-268-SS, SB-265-SS	15/24	0.28 - 0.4	3.6	23	**0.29 C**	276 C	**Yes**	ASL
	22967-92-6	MERCURY (METHYL)	0.071 J	1.467 J	ug/kg	SB-237-01	5/5	--	1.467	780	780 N	NA	No	BSL
	--	PERCENT SOLIDS	46.1	97	%	SB-569-SS0.5-1	285/285	--	97	NA	NA	NA	No	NTX
	--	PH	6	8.4	S.U.	SB-265-02	6/6	--	8.4	NA	NA	NA	No	NTX
	--	TOTAL SOLIDS	82	92	%	SB-293-0102	7/7	--	92	NA	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - USEPA Soil Screening Levels. EPA Internet Site at http://rais.ornl.gov/epa/ssl1.shtml.
7 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
8 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
9 - The value is for xylenes.
10 - The value is for xylene, mixture.
11 - The value for acenaphthene is used as a surrogate for acenaphthylene.
12 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
13 - The value is for PCB (total).
14 - The value is for polychlorinated biphenyls (high risk).
15 - The value is for trivalent chromium.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria

Table 2.1

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Direct Contact With Surface Soil (0-2 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]

16 - The value is for mercury (inorganic/mercuric dichloride).
17 - The value is for mercuric chloride.
18 - The value is for vanadium and compounds.
19 - The value for benzo(b)fluoranthene is used as a surrogate for benzo(b+k)fluoranthene.
20 - The value for total petroleum hydrocarbons (aliphatic low) is used.
21 - See Section 3 of the text for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All surface soil samples (0-2 feet) from all tax blocks (D, E, F, G, and H) were included. See Tables 3-1 through 3-5 for sample lists.

Table 2.2

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Surface Soil (0-2 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Volatile Organic Compounds**												
	75-34-3	**1,1-DICHLOROETHANE**	1 J	1 J	ug/kg	SB-195-SS	1/109	0.27 - 710	1	5100	**0.69**	**Yes**	ASL
	75-35-4	1,1-DICHLOROETHENE	2.5	2.5	ug/kg	SB-195-SS	1/109	0.39 - 750	2.5	2900	120	No	BSL
	87-61-6	**1,2,3-TRICHLOROBENZENE**	11 J	43000 J	ug/kg	E-SB-833K-02	8/109	0.28 - 8	43000	NA	**87**	**Yes**	ASL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.2 J	0.4 J	ug/kg	SB-284-0102	3/56	0.13 - 7.1	0.4	NA	NA	No	NTX
	120-82-1	**1,2,4-TRICHLOROBENZENE**	47 J	210000	ug/kg	E-SB-833K-02	8/109	0.2 - 8	210000	**2400**	**6.8**	**Yes**	ASL
	95-63-6	**1,2,4-TRIMETHYLBENZENE**	0.83 J	33	ug/kg	SB-66-SS	4/109	0.48 - 210	33	NA	**21**	**Yes**	ASL
	95-50-1	**1,2-DICHLOROBENZENE**	3.4 J	970 J	ug/kg	E-SB-833E-02	4/109	0.27 - 360	970	4600	**360**	**Yes**	ASL
	108-67-8	1,3,5-TRIMETHYLBENZENE	23	23	ug/kg	SB-66-SS	1/53	1.92 - 8	23	NA	520	No	BSL
	541-73-1	**1,3-DICHLOROBENZENE**	0.33 J	1100 J	ug/kg	E-SB-833K-02	4/109	0.26 - 190	1100	**290**	NA	**Yes**	ASL
	106-46-7	**1,4-DICHLOROBENZENE**	1.3 J	2700 J	ug/kg	E-SB-833K-02	7/109	0.49 - 8	2700	**4.2**	**0.41**	**Yes**	ASL
	78-93-3	2-BUTANONE	1.6 J	88 J	ug/kg	E-SB-833J-02	24/104	1 - 1800	88	29000	1,500	No	BSL
	67-64-1	ACETONE	7.3 J	440 J	ug/kg	D-SB-788-SS	31/107	4.7 - 9800	440	22000	4,500	No	BSL
	71-43-2	**BENZENE**	0.72 J	0.72 J	ug/kg	D-SS-786-01	1/110	0.17 - 500	0.72	1.9	**0.21**	**Yes**	ASL
	75-15-0	CARBON DISULFIDE	0.65 J	7.1	ug/kg	SB-238-SS	20/109	0.33 - 500	7.1	19000	310	No	BSL
	108-90-7	CHLOROBENZENE	12	12	ug/kg	E-SB-833G-02	1/109	0.24 - 270	12	680	62	No	BSL
	74-87-3	CHLOROMETHANE	3 J	3 J	ug/kg	SB-284-0102	1/109	0.3 - 580	3	930	49	No	BSL
	100-41-4	**ETHYLBENZENE**	0.31 J	8	ug/kg	SB-66-SS	3/110	0.19 - 230	8	15000	**1.7**	**Yes**	ASL
	98-82-8	ISOPROPYLBENZENE	47 J	47 J	ug/kg	SB-84-SS	1/109	0.12 - 270	47	64000	1,100	No	BSL
	--	M+P-XYLENES	10 J	10 J	ug/kg	SB-66-SS, SB-33A-SS	2/109	0.89 - 260	10	3000 [7]	200 [8]	No	BSL
	75-09-2	**METHYLENE CHLORIDE**	2.9 J	88 J	ug/kg	E-SB-833F-02	20/109	0.5 - 3200	88	**19**	**1.2**	**Yes**	ASL
	104-51-8	N-BUTYLBENZENE	0.9 J	0.9 J	ug/kg	SB-284-0102	1/109	0.17 - 330	0.9	NA	NA	No	NTX
	103-65-1	N-PROPYLBENZENE	7 J	7 J	ug/kg	SB-84-SS	1/109	0.3 - 580	7	NA	2,500	No	BSL
	91-20-3	**NAPHTHALENE**	2 J	260	ug/kg	SB-66-SS	8/110	0.14 - 280	260	**150**	**0.47**	**Yes**	ASL
	95-47-6	O-XYLENE	0.43 J	23	ug/kg	SB-66-SS	2/109	0.26 - 360	23	3000 [7]	1,200	No	BSL
	75-65-0	TERTIARY-BUTYL ALCOHOL	5 J	620 J	ug/kg	E-SB-833L-02	4/20	8 - 61	620	NA	NA	No	NTX
	127-18-4	**TETRACHLOROETHENE**	1.8 J	1.8 J	ug/kg	E-SB-833N-02	1/109	0.39 - 500	1.8	4.7	**0.049**	**Yes**	ASL
	108-88-3	TOLUENE	0.31 J	13.3	ug/kg	SB-202-SS	14/110	0.2 - 710	13.3	27000	1,600	No	BSL
	1330-20-7	TOTAL XYLENES	1.1 J	1.2 J	ug/kg	SB-500-0001	2/69	0.5 - 340	1.2	3000 [7]	200	No	BSL
	79-01-6	**TRICHLOROETHENE**	0.65 J	4.8	ug/kg	SB-202-SS	6/109	0.31 - 410	4.8	**0.26**	**0.72**	**Yes**	ASL
	75-69-4	TRICHLOROFLUOROMETHANE	0.85 J	0.85 J	ug/kg	D-SB-794-SS	1/109	0.25 - 670	0.85	NA	830	No	BSL
	Semivolatile Organic Compounds												
	88-74-4	2-NITROANILINE	44 J	44 J	ug/kg	SB-6A-SS	1/108	9.5 - 15000	44	NA	150	No	BSL
	65-85-0	BENZOIC ACID	67.4 J	925	ug/kg	SB-267-SS	11/31	40.9 - 16000	925	NA	34,000	No	BSL
	100-51-6	BENZYL ALCOHOL	47.5 J	47.5 J	ug/kg	SB-269-02	1/29	360 - 8110	47.5	NA	890	No	BSL
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	20 J	93 J	ug/kg	SB-505-0001	9/108	20 - 7600	93	2900000	1,100	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	25 J	120 J	ug/kg	SB-507-0001	3/108	10 - 7600	120	NA	510	No	BSL
	105-60-2	CAPROLACTAM	140 J	140 J	ug/kg	SB-1A-SS	1/77	39 - 7600	140	NA	4,500	No	BSL
	86-74-8	**CARBAZOLE**	27 J	4640	ug/kg	SB-268-SS	18/108	28 - 7600	4640	**470**	NA	**Yes**	ASL
	84-74-2	DI-N-BUTYL PHTHALATE	28 J	38 J	ug/kg	SB-266-SS	6/108	16 - 7600	38	5000000	9,200	No	BSL
	117-84-0	DI-N-OCTYL PHTHALATE	53 J	53 J	ug/kg	SB-95-SS	1/108	28 - 7600	53	NA	NA	No	NTX
	132-64-9	**DIBENZOFURAN**	11 J	1650 J	ug/kg	SB-268-SS	13/108	3.4 - 7600	1650	--	**680**	**Yes**	ASL
	131-11-3	DIMETHYL PHTHALATE	60 J	2000 J	ug/kg	SB-58-SS	2/108	18 - 8110	2000	NA	NA	No	NTX
	108-95-2	PHENOL	420	940 J	ug/kg	SB-92-SS	2/108	28 - 8110	940	67000	6,300	No	BSL

Table 2.2

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Surface Soil (0-2 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Polycyclic Aromatic Hydrocarbons**												
	90-12-0	**1-METHYLNAPHTHALENE**	10	480	ug/kg	D-SB-771-SS	9/82	3.4 - 1670	480	NA	**12**	**Yes**	ASL
	91-57-6	**2-METHYLNAPHTHALENE**	8.9	990 J	ug/kg	SB-66-SS	23/159	3.4 - 7600	990	4400	**750**	**Yes**	ASL
	83-32-9	ACENAPHTHENE	7.5 J	4500	ug/kg	D-SB-771-SS	46/198	3.4 - 7600	4500	100000	22,000	No	BSL
	208-96-8	ACENAPHTHYLENE	10	1600 J	ug/kg	SB-67-SS	28/198	3.4 - 7600	1600	100000	22,000 [9]	No	BSL
	120-12-7	ANTHRACENE	10	9420	ug/kg	SB-268-SS	71/198	3.5 - 7600	9420	470000	360,000	No	BSL
	--	**BAP EQUIVALENT-POSITIVE RESULTS[15]**	0.0072	49963	ug/kg	F-SB-95RE-1	429/565	1.4 - 4200	49963	**120**	**3.5**	**Yes**	ASL
	--	**BAP EQUIVALENT-1/2 NONDETECT[15]**	1.6	50001	ug/kg	F-SB-95RE-1	429/565	1.4 - 4200	50001	**120**	**3.5**	**Yes**	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	2.8 J	42000	ug/kg	F-SB-95RE-1	330/458	1 - 4800	42000	**480**	**10**	**Yes**	ASL
	50-32-8	**BENZO(A)PYRENE**	2.8 J	38000	ug/kg	F-SB-95RE-1	407/565	1.4 - 4800	38000	**120**	**3.5**	**Yes**	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	1.9 J	55000	ug/kg	F-SB-95RE-1	340/452	1.3 - 4800	55000	**1500**	**35**	**Yes**	ASL
	--	**BENZO(B+K)FLUORANTHENE**	220 J	7200 J	ug/kg	SB-84-SS	4/6	400 - 2100	7200	**1500** [14]	**35** [14]	**Yes**	ASL
	191-24-2	BENZO(G,H,I)PERYLENE	8 J	24000 J	ug/kg	SB-91-SS	98/198	3.5 - 7600	24000	680000	120,000 [10]	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	1.475	23000	ug/kg	F-SB-95RE-1, SB-268-SS	283/452	1.6 - 7600	23000	**15000**	**350**	**Yes**	ASL
	218-01-9	**CHRYSENE**	3.2 J	41000	ug/kg	G-SB-761C-1	343/458	0.96 - 4200	41000	48000	**1,100**	**Yes**	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	2.8 J	7200 J	ug/kg	SB-91-SS	179/458	1.4 - 7600	7200	**460**	**11**	**Yes**	ASL
	206-44-0	FLUORANTHENE	8.4	63200	ug/kg	SB-268-SS	136/198	3.6 - 4800	63200	6300000	160,000	No	BSL
	86-73-7	FLUORENE	8.8	3580	ug/kg	SB-268-SS	48/198	3.4 - 7600	3580	140000	27,000	No	BSL
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	2.4 J	20000	ug/kg	F-SB-95RE-1	305/458	0.41 - 7600	20000	**4200**	**120**	**Yes**	ASL
	91-20-3	**NAPHTHALENE**	7.3	3100	ug/kg	D-SB-771-SS	42/198	3.4 - 7600	3100	**150**	**0.47**	**Yes**	ASL
	85-01-8	PHENANTHRENE	8	36100	ug/kg	SB-268-SS	111/198	3.5 - 4800	36100	470000	120,000 [10]	No	BSL
	129-00-0	PYRENE	7 J	55000 J	ug/kg	SB-91-SS	143/198	3.6 - 3700	55000	680000	120,000	No	BSL
	Pesticides/Polychlorinated Biphenyls												
	72-54-8	4,4'-DDD	4 J	4 J	ug/kg	D-SB-794-SS	1/27	0.66 - 1200	4	11000	66	No	BSL
	72-55-9	4,4'-DDE	1.5 J	7.8 J	ug/kg	D-SS-783-01	3/27	0.41 - 1200	7.8	35000	47	No	BSL
	53469-21-9	**AROCLOR-1242**	32 J	58	ug/kg	SB-235-SS	2/341	14 - 740000	58	--	**5.3**	**Yes**	ASL
	11097-69-1	**AROCLOR-1254**	12 J	36,000	ug/kg	SB-555-SS0-0.5	5/341	17 - 740000	36000	**1100**	**8.8**	**Yes**	ASL
	11096-82-5	**AROCLOR-1260**	4.3 J	1800000	ug/kg	SB-353-0001	151/341	17 - 410	1800000	--	**24**	**Yes**	ASL
	319-85-7	**BETA-BHC**	6.4 J	9.1 J	ug/kg	D-SS-783-01	2/27	1.2 - 1200	9.1	**3.1**	**0.22**	**Yes**	ASL
	1336-36-3	**TOTAL AROCLOR**	4.3	1800000	ug/kg	SB-353-0001	153/341	0 - 0	1800000	**410** [11]	NA	**Yes**	ASL
	Metals												
	7440-36-0	**ANTIMONY**	0.031 L	4 L	mg/kg	SB-237-01	54/102	0.025 - 3.3	4	13	**0.66**	**Yes**	ASL
	7440-38-2	**ARSENIC**	0.52 J	37	mg/kg	SB-92-SS	111/133	0.48 - 4.8	37	**0.026**	**0.0013**	**Yes**	ASL
	7440-39-3	BARIUM	3.7	207	mg/kg	SB-268-SS	73/73	--	207	6000	300	No	BSL
	7440-41-7	BERYLLIUM	0.055 J	5.4	mg/kg	SB-91-SS	77/115	0.05 - 4	5.4	1200	58	No	BSL
	7440-43-9	**CADMIUM**	0.0125	14	mg/kg	SB-85-SS	45/115	0.0082 - 4	14	27	**1.4**	**Yes**	ASL
	7440-47-3	CHROMIUM	3.1 K	185	mg/kg	SB-237-01	115/115	--	185	2000000000 [12]	99,000,000 [12]	No	BSL
	7440-48-4	**COBALT**	0.5	51.2	mg/kg	SB-197-SS	73/73	--	51.2	NA	**0.49**	**Yes**	ASL
	7440-50-8	**COPPER**	2.9	74	mg/kg	SB-55-SS	114/115	2.6 - 2.6	74	11000	**51**	**Yes**	ASL
	7439-89-6	**IRON**	3870	29900	mg/kg	SB-518-0001	36/36	--	29900	--	**640**	**Yes**	ASL
	7439-92-1	**LEAD**	0.98	447	mg/kg	SB-268-SS	106/115	2.8 - 8	447	--	**14** [13]	**Yes**	ASL
	7439-96-5	**MANGANESE**	9.4 J	1370 J	mg/kg	SB-503-0001	36/36	--	1370	**950**	**57**	**Yes**	ASL
	7439-97-6	MERCURY	0.01	4.2	mg/kg	SB-84-SS	94/167	0.01 - 0.16	4.2	--	NA	No	NTX
	7439-98-7	**MOLYBDENUM**	0.14 J	63	mg/kg	SB-237-01	25/73	0.077 - 2	63	NA	**3.7**	**Yes**	ASL
	7440-02-0	**NICKEL**	0.64	280 J	mg/kg	SB-86-SS	108/115	5 - 9	280	--	**48**	**Yes**	ASL

Table 2.2

Occurrence, Distribution, and Selection of Global Chemicals of Potential Concern - Migration from Surface Soil (0-2 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Metals (continued)**												
	7782-49-2	**SELENIUM**	0.11 J	4.7	mg/kg	SB-91-SS	43/115	0.18 - 4	4.7	19	**1.0**	**Yes**	ASL
	7440-22-4	**SILVER**	0.023 J	3.4	mg/kg	SB-23A-SS	36/89	0.017 - 3.2	3.4	31	**1.6**	**Yes**	ASL
	7440-28-0	THALLIUM	0.026 K	0.38	mg/kg	SB-504-0001	15/115	0.014 - 3.2	0.38	3.6	NA	No	BSL
	7440-62-2	VANADIUM	8.5 J	60.7 J	mg/kg	SB-505-0001	73/73	--	60.7	730	180	No	BSL
	7440-66-6	ZINC	2.9	302	mg/kg	SB-505-0001	95/115	3.1 - 40	302	14000	680	No	BSL
	Petroleum Hydrocarbons												
	--	DIESEL RANGE ORGANICS	8600 J	8900000 J	ug/kg	E-SB-833A-02	47/73	10000 - 18000	8900000	--	NA	No	NTX
	--	GASOLINE RANGE ORGANICS	31 J	810000	ug/kg	G-SB-734-0-4	23/85	13.1 - 13300	810000	--	NA	No	NTX
	--	TPH (C09-C36)	3300 J	34000	ug/kg	SB-284-0102	6/7	6100 - 6100	34000	NA	NA	No	NTX
	--	TPH (C10-C32)	2200 J	650000	ug/kg	SB-503-0001	13/21	610 - 22000	650000	NA	NA	No	NTX
	Miscellaneous Parameters												
	18540-29-9	**HEXAVALENT CHROMIUM**	0.32 J	3.6	mg/kg	SB-268-SS, SB-265-SS	15/24	0.28 - 0.4	3.6	42	**0.00083**	**Yes**	ASL
	22967-92-6	MERCURY (METHYL)	0.071 J	1.467 J	ug/kg	SB-237-01	5/5	--	1.467	--	NA	No	NTX
	--	PERCENT SOLIDS	46.1	97	%	SB-569-SS0.5-1	285/285	--	97	NA	NA	No	NTX
	--	PH	6	8.4	S.U.	SB-265-02	6/6	--	8.4	NA	NA	No	NTX
	--	TOTAL SOLIDS	82	92	%	SB-293-0102	7/7	--	92	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
7 - The value is for xylenes.
8 - The value is for xylene, mixture.
9 - The value for acenaphthene is used as a surrogate for acenaphthylene.
10 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
11 - The value is for PCB (total).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - The value for benzo(b)fluoranthene is used as a surrogate for benzo(b+k)fluoranthene.
15 - See Section 3 of the text for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All surface soil samples (0-2 feet) from all tax blocks (D, E, F, G, and H) were included. See Tables 3-1 through 3-5 for sample lists.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria

Table 2.3

Occurrence, Distribution, and Selection of Chemicals of Potential Concern - Direct Contact With Subsurface Soil (2-10 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Volatile Organic Compounds**													
	75-34-3	1,1-DICHLOROETHANE	0.48 J	0.69 J	ug/kg	SB-515-0406, SB-515-0810	3/266	0.25 - 44000	0.69	1600000	3,300 C	120,000 N	No	BSL
	75-35-4	1,1-DICHLOROETHENE	0.54 J	1.1 J	ug/kg	D-SB-793-09	2/266	0.36 - 46000	1.1	390000	24,000 N	29,000 N	No	BSL
	87-61-6	**1,2,3-TRICHLOROBENZENE**	0.6 J	2200000	ug/kg	E-SB-833-09	32/266	0.26 - 518	2200000	NA	**4,900 N**	NA	**Yes**	ASL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.15 J	49 J	ug/kg	E-SB-833L-04	15/172	0.12 - 2900	49	NA	NA	NA	No	NTX
	120-82-1	**1,2,4-TRICHLOROBENZENE**	5.9 J	9600000	ug/kg	E-SB-833-09	32/266	0.19 - 518	9600000	**78000**	**6200 N[8]**	**18000 N**	**Yes**	ASL
	95-63-6	1,2,4-TRIMETHYLBENZENE	0.69 J	658	ug/kg	SB-238-05	9/266	0.45 - 13000	658	NA	6,200 N	12,000 N	No	BSL
	95-50-1	1,2-DICHLOROBENZENE	0.39 J	120000 J	ug/kg	E-SB-833-09	25/266	0.25 - 290	120000	700000	190,000 N	600000 sat	No	BSL
	107-06-2	1,2-DICHLOROETHANE	1.5 J	51 J	ug/kg	E-SB-833K-10	2/266	0.24 - 26000	51	7000	430 C	360 C	No	BSL
	108-67-8	1,3,5-TRIMETHYLBENZENE	0.94 J	139 J	ug/kg	SB-238-05	2/94	1.93 - 61	139	NA	78,000 N	7,200 N	No	BSL
	541-73-1	**1,3-DICHLOROBENZENE**	0.39 J	38000 J	ug/kg	E-SB-833A-10	14/266	0.24 - 12000	38000	**23000**	NA	NA	**Yes**	ASL
	106-46-7	**1,4-DICHLOROBENZENE**	1.6 J	130000 J	ug/kg	E-SB-833-09	28/266	0.46 - 290	130000	**27000**	**2,400 C**	1,100,000 N	**Yes**	ASL
	78-93-3	2-BUTANONE	1.3 J	110 J	ug/kg	E-SB-833L-06	56/242	0.98 - 110000	110	4700000	2,800,000 N	24000000 sat	No	BSL
	99-87-6	4-ISOPROPYLTOLUENE	0.34 J	165 J	ug/kg	SB-238-05	5/266	0.15 - 12000	165	NA	NA	NA	No	NTX
	67-64-1	ACETONE	3.6 J	16000 J	ug/kg	E-SB-833E-06	99/261	4.4 - 800000	16000	7000000	6,100,000 N	NA	No	BSL
	71-43-2	BENZENE	0.33 J	7	ug/kg	SB-89-05	8/303	0.16 - 31000	7	12000	1,100 C	830 C	No	BSL
	74-83-9	BROMOMETHANE	0.49	0.49	ug/kg	D-SB-783-09	1/266	0.38 - 75000	0.49	11000	730 N	940 N	No	BSL
	75-15-0	CARBON DISULFIDE	0.45 J	35 J	ug/kg	D-SB-786-03	17/266	0.31 - 31000	35	780000	82,000 N	720,000 sat	No	BSL
	56-23-5	CARBON TETRACHLORIDE	0.88 J	0.88 J	ug/kg	E-SB-833G-08	1/266	0.26 - 16000	0.88	4900	610 C	330 C	No	BSL
	108-90-7	CHLOROBENZENE	1.8 J	4000 J	ug/kg	E-SB-833L-08	12/266	0.23 - 16000	4000	160000	29,000 N	13,000 N	No	BSL
	156-59-2	CIS-1,2-DICHLOROETHENE	0.37 J	9.7	ug/kg	SB-515-0406	4/266	0.25 - 18000	9.7	78000	16000 N	NA	No	BSL
	100-41-4	ETHYLBENZENE	0.67 J	394	ug/kg	SB-238-05	7/303	0.18 - 14000	394	780000	5,400 C	400,000 sat	No	BSL
	98-82-8	ISOPROPYLBENZENE	0.82 J	990 J	ug/kg	SB-84-05	5/266	0.11 - 17000	990	780000	210,000 N	850,000 sat	No	BSL
	--	M+P-XYLENES	2.1 J	270 J	ug/kg	SB-238-05	7/266	0.84 - 16000	270	1600000 [9]	63,000 N[10]	70000 N[10]	No	BSL
	75-09-2	METHYLENE CHLORIDE	2.4 J	4800 J	ug/kg	E-SB-833E-06	40/266	0.47 - 360000	4800	85000	11,000 C	13000 C	No	BSL
	104-51-8	N-BUTYLBENZENE	125 J	2900 J	ug/kg	E-SB-833A-06	3/266	0.16 - 21000	2900	NA	NA	NA	No	NTX
	103-65-1	N-PROPYLBENZENE	1.2 J	2200 J	ug/kg	SB-84-05	3/266	0.28 - 36000	2200	NA	340,000 N	NA	No	BSL
	91-20-3	**NAPHTHALENE**	0.56 J	159000	ug/kg	SB-238-05	24/303	0.13 - 140000	159000	160000	**3,600 C**	**17000 N**	**Yes**	ASL
	95-47-6	O-XYLENE	0.8 J	186 J	ug/kg	SB-238-05	9/266	0.24 - 22000	186	1600000 [9]	380,000 N	NA	No	BSL
	135-98-8	SEC-BUTYLBENZENE	380 J	380 J	ug/kg	E-SB-833A-06	1/266	0.13 - 12000	380	NA	NA	NA	No	NTX
	75-65-0	TERTIARY-BUTYL ALCOHOL	5 J	1200 J	ug/kg	E-SB-833L-04	13/65	8 - 7200000	1200	NA	NA	NA	No	NTX
	127-18-4	TETRACHLOROETHENE	0.49 J	2.6 J	ug/kg	E-SB-833G-08	4/266	0.36 - 31000	2.6	1200	550 C	10000 C	No	BSL
	108-88-3	TOLUENE	0.21 J	270 J	ug/kg	E-SB-833I-10	41/303	0.19 - 44000	270	630000	500000 N	650000 sat	No	BSL
	1330-20-7	TOTAL XYLENES	1.5 J	600	ug/kg	SB-88-05	15/230	0.47 - 21000	600	1600000 [9]	63000 N	70000 N	No	BSL
	79-01-6	TRICHLOROETHENE	0.32 J	2.7	ug/kg	SB-202-05, SB-201-10	16/266	0.29 - 25000	2.7	1600	2800 C	71 C	No	BSL
	75-69-4	TRICHLOROFLUOROMETHANE	0.74 J	29	ug/kg	SB-520-0810	5/266	0.24 - 41000	29	NA	79,000 N	110000 N	No	BSL
	75-01-4	VINYL CHLORIDE	0.48 J	3.5 J	ug/kg	SB-515-0406	3/266	0.27 - 46000	3.5	90	60 C	280 C	No	BSL
	Semivolatile Organic Compounds													
	105-67-9	2,4-DIMETHYLPHENOL	68 J	68 J	ug/kg	SB-238-05	1/214	22 - 65000	68	160000	120,000 N	NA	No	BSL
	65-85-0	BENZOIC ACID	43 J	136 J	ug/kg	SB-195-05	6/45	42.3 - 1200	136	NA	24000000 N	NA	No	BSL
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	22 J	190 J	ug/kg	SB-296-0910	17/214	21 - 62000	190	46000	35000 C	NA	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	36 J	36 J	ug/kg	D-SB-795-07	1/214	11 - 33000	36	NA	260,000 C	NA	No	BSL
	86-74-8	CARBAZOLE	22 J	5690	ug/kg	SB-238-05	9/214	30 - 88000	5690	32000	NA	NA	No	BSL
	84-74-2	DI-N-BUTYL PHTHALATE	38 J	76 J	ug/kg	SB-66-10	3/214	17 - 49000	76	780000	610000 N	NA	No	BSL
	117-84-0	DI-N-OCTYL PHTHALATE	76 J	76 J	ug/kg	SB-63-05	1/214	30 - 88000	76	NA	NA	NA	No	NTX
	132-64-9	DIBENZOFURAN	8.9 J	3980	ug/kg	SB-238-05	16/214	3.6 - 11000	3980	7800	7,800 N	NA	No	BSL
	131-11-3	DIMETHYL PHTHALATE	62 J	310 J	ug/kg	SB-55-10	3/214	19 - 55000	310	NA	NA	NA	No	NTX
	86-30-6	N-NITROSODIPHENYLAMINE	34 J	81 J	ug/kg	SB-238-05	2/213	23 - 69000	81	130000	99,000 C	NA	No	BSL
	108-95-2	PHENOL	140 J	1900	ug/kg	SB-81-05	11/214	30 - 88000	1900	2300000	1800000 N	NA	No	BSL

Table 2.3

Occurrence, Distribution, and Selection of Chemicals of Potential Concern - Direct Contact With Subsurface Soil (2-10 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Polycyclic Aromatic Hydrocarbons**													
	90-12-0	1-METHYLNAPHTHALENE	8.6	3420	ug/kg	SB-238-05	27/232	3.5 - 440	3420	NA	22,000 C	NA	No	BSL
	91-57-6	2-METHYLNAPHTHALENE	7.9	6900	ug/kg	SB-238-05	43/401	3.5 - 11000	6900	31000	31000 N	NA	No	BSL
	83-32-9	ACENAPHTHENE	8.2	27000	ug/kg	E-SB-833-09	56/401	3.5 - 3900	27000	470000	340000 N	NA	No	BSL
	208-96-8	ACENAPHTHYLENE	7.9	1000	ug/kg	G-SB-813-09	36/401	3.5 - 11000	1000	470000	340000 N[11]	NA	No	BSL
	120-12-7	ANTHRACENE	5.25	28000	ug/kg	E-SB-833-09	79/401	3.5 - 3900	28000	2300000	1700000	NA	No	BSL
	--	**BAP EQUIVALENT-POSITIVE RESULTS[20]**	0.008	57089	ug/kg	G-SB-735A-5	797/1929	1.4 - 4200	57089	**22**	**15 C**	NA	**Yes**	ASL
	--	**BAP EQUIVALENT-1/2 NONDETECT[20]**	1.2	57089	ug/kg	G-SB-735A-5	797/1929	1.4 - 4200	57089	**22**	**15 C**	NA	**Yes**	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	1.4 J	44000	ug/kg	G-SB-735A-5	610/1467	1 - 3800	44000	**220**	**150 C**	NA	**Yes**	ASL
	50-32-8	**BENZO(A)PYRENE**	2.6 J	37000	ug/kg	G-SB-735A-5	727/1928	1.4 - 4200	37000	**22**	**15 C**	NA	**Yes**	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	1.6 J	55000	ug/kg	G-SB-735A-5	648/1459	1.3 - 3800	55000	**220**	**150 C**	NA	**Yes**	ASL
	191-24-2	BENZO(G,H,I)PERYLENE	6.375	9200 J	ug/kg	G-SB-806-09	100/401	3.5 - 11000	9200	230000	170000 N[12]	NA	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	2.25	25000	ug/kg	G-SB-735A-5	472/1459	1.4 - 11000	25000	**2200**	**1500 C**	NA	**Yes**	ASL
	218-01-9	**CHRYSENE**	1.4 J	42000	ug/kg	E-SB-833-09	625/1467	0.97 - 3800	42000	**22000**	**15000 C**	NA	**Yes**	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	3.05	7800	ug/kg	G-SB-735A-5	267/1467	1.4 - 11000	7800	**22**	**15 C**	NA	**Yes**	ASL
	206-44-0	FLUORANTHENE	8.4	81000	ug/kg	E-SB-833-09	146/401	3.5 - 3800	81000	310000	230000 N	NA	No	BSL
	86-73-7	FLUORENE	8.5	6330	ug/kg	SB-238-05	53/401	3.5 - 11000	6330	310000	230000 N	NA	No	BSL
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	0.96 J	21000 J	ug/kg	G-SB-714-6, G-SB-735A-5	543/1467	0.41 - 11000	21000	**220**	**150 C**	NA	**Yes**	ASL
	91-20-3	**NAPHTHALENE**	8.4	31000	ug/kg	SB-238-05	62/401	3.5 - 11000	31000	160000	**3,600 C**	**17000 N**	**Yes**	ASL
	85-01-8	PHENANTHRENE	5.575	88000	ug/kg	E-SB-833-09	109/401	3.5 - 3900	88,000	2300000	170,000 N[12]	NA	No	BSL
	129-00-0	PYRENE	7.8	60000	ug/kg	E-SB-833-09	149/401	3.5 - 3800	60000	230000	170,000 N	NA	No	BSL
	Pesticides/Polychlorinated Biphenyls													
	72-55-9	4,4'-DDE	34 J	34 J	ug/kg	D-SB-790-05	1/78	0.43 - 46	34	1900	1,400 C	NA	No	BSL
	11097-69-1	**AROCLOR-1254**	27	9800	ug/kg	SB-555-4	3/550	15 - 1100000	9800	**320**	**110 N[8]**	NA	**Yes**	ASL
	11096-82-5	**AROCLOR-1260**	8.1 J	24000000	ug/kg	E-SB-833-09	100/550	4.8 - 360	24000000	**320**	**220 C**	NA	**Yes**	ASL
	319-85-7	BETA-BHC	1.3 J	1.3 J	ug/kg	D-SB-792-03	1/78	1.2 - 66	1.3	350	270 C	6000 C	No	BSL
	1336-36-3	**TOTAL AROCLOR**	8	24000000	ug/kg	E-SB-833-09	102/550	0 - 0	24000000	**320 [13]**	**220 C[14]**	NA	**Yes**	ASL
	Metals													
	7440-36-0	ANTIMONY	0.056 L	2 L	mg/kg	SB-236-05	59/207	0.0056 - 3.6	2	3.1	3.1 N	NA	No	BSL
	7440-38-2	**ARSENIC**	0.22 L	14.3	mg/kg	D-SB-786-07	202/233	0.51 - 5.3	14.3	**0.43**	**0.39 C**	769 C	**Yes**	ASL
	7440-39-3	BARIUM	1.6	103	mg/kg	SB-236-05	155/155	--	103	1600	1,500 N	70900 N	No	BSL
	7440-41-7	BERYLLIUM	0.076	6.6 J	mg/kg	D-SB-795-03	160/226	0.015 - 3.6	6.6	16	16 N	1380 C	No	BSL
	7440-43-9	CADMIUM	0.016	1.1	mg/kg	D-SB-788-03	67/226	0.0037 - 3.6	1.1	3.9	7 N	1840 C	No	BSL
	7440-47-3	CHROMIUM	1.5 J	120 J	mg/kg	SB-60-10	215/225	2.6 - 14	120	12000 [15]	12,000 N[15]	276 C	No	BSL
	7440-48-4	**COBALT**	0.18	68.1	mg/kg	SB-197-05	153/155	3.2 - 11	68.1	NA	**2.3 N**	1180 C	**Yes**	ASL
	7440-50-8	COPPER	1 J	110 J	mg/kg	D-SB-784-07	217/226	2.3 - 3.4	110	310	310 N	NA	No	BSL
	7439-89-6	**IRON**	1290	72900 J	mg/kg	D-SB-787-09	102/102	--	72900	**5500**	**5,500 N**	NA	**Yes**	ASL
	7439-92-1	**LEAD**	0.71 J	1,010	mg/kg	D-SB-783-03	211/226	1 - 4	1010	**400**	**400**	NA	**Yes**	ASL
	7439-96-5	**MANGANESE**	2.2 L	326 J	mg/kg	D-SB-794-03	102/102	--	326	**160**	**180 N**	7090 N	**Yes**	ASL
	7439-97-6	**MERCURY**	0.007	3.3	mg/kg	SB-33-05	103/424	0.002 - 0.15	3.3	**2.3 [16]**	**2.3 N[17]**	NA	**Yes**	ASL
	7439-98-7	MOLYBDENUM	0.16 J	1.3 J	mg/kg	SB-504-0810	72/155	0.072 - 0.9	1.3	NA	39 N	NA	No	BSL
	7440-02-0	NICKEL	0.76 J	150	mg/kg	SB-55-05	212/226	0.39 - 3.6	150	160	150 N	NA	No	BSL
	7782-49-2	SELENIUM	0.2	11 L	mg/kg	SB-31-05	100/218	0.18 - 11	11	39	39 N	NA	No	BSL
	7440-22-4	SILVER	0.03	2.3	mg/kg	SB-236-05	56/174	0.0079 - 3.1	2.3	39	39 N	NA	No	BSL
	7440-28-0	THALLIUM	0.018 J	0.21 K	mg/kg	SB-504-0810	46/226	0.0052 - 5	0.21	0.55	NA	NA	No	BSL
	7440-62-2	**VANADIUM**	2.1	90.5	mg/kg	SB-249-10	155/155	--	90.5	**7.8**	**39 N[18]**	NA	**Yes**	ASL
	7440-66-6	ZINC	2.8	270	mg/kg	SB-55-05	173/226	5.2 - 60	270	2300	2,300 N	NA	No	BSL

Table 2.3

Occurrence, Distribution, and Selection of Chemicals of Potential Concern - Direct Contact With Subsurface Soil (2-10 feet)
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Residential Soil[4]	USEPA RSL Residential Soil[5]	USEPA SSL Soil to Air[6]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[7]
All Tax Blocks	**Petroleum Hydrocarbons**													
	--	**DIESEL RANGE ORGANICS**	840 J	28000000	ug/kg	E-SB-833-09	87/192	2400 - 29000	28000000	**230000**	NA	NA	**Yes**	ASL
	--	**GASOLINE RANGE ORGANICS**	34 J	980000	ug/kg	G-SB-728-4	44/220	51 - 15200	980000	**230000**	NA	NA	**Yes**	ASL
	--	TPH (C09-C36)	2900 J	200000	ug/kg	SB-285-0405	11/24	2200 - 8700	200000	NA	28,400,000 N[19]	NA	No	BSL
	--	TPH (C10-C32)	640 J	48000	ug/kg	SB-502-0406	10/39	990 - 130000	48000	NA	28,400,000 N[19]	NA	No	BSL
	Miscellaneous Parameters													
	18540-29-9	**HEXAVALENT CHROMIUM**	0.33 J	1.1	mg/kg	D-SB-788-03	31/76	0.3 - 0.4	1.1	23	**0.29 C**	276 C	**Yes**	ASL
	22967-92-6	MERCURY (METHYL)	0.31 K	1.21 J	ug/kg	SB-236-05	3/3	--	1.21	780	780 N	NA	No	BSL
	--	PERCENT SOLIDS	62.5	95.9	%	SB-395-0203	608/608	--	95.9	NA	NA	NA	No	NTX
	--	PH	4.9	7.7	S.U.	SB-236-05	5/5	--	7.7	NA	NA	NA	No	NTX
	--	TOTAL ORGANIC CARBON	690 J	1350	mg/kg	MRC-MW08[0809]	2/3	238	1350	NA	NA	NA	No	NTX
	--	TOTAL SOLIDS	70	88	%	SB-297-0405	24/24	--	88	NA	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - USEPA Soil Screening Levels. EPA Internet Site at http://rais.ornl.gov/epa/ssl1.shtml.
7 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
8 - One tenth the noncarcinogenic level is less than the carcinogenic level; therefore, the noncarcinogenic level is presented.
9 - The value is for xylenes.
10 - The value is for xylene, mixture.
11 - The value for acenaphthene is used as a surrogate for acenaphthylene.
12 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
13 - The value is for PCB (total).
14 - The value is for polychlorinated biphenyls (high risk).
15 - The value is for trivalent chromium.
16 - The value is for mercury (inorganic/mercuric dichloride).
17 - The value is for mercuric chloride.
18 - The value is for vanadium and compounds.
19 - The value for total petroleum hydrocarbons (aliphatic low) is used.
20 - See Section 3 of the text for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All subsurface soil (2-10 feet) samples from all tax blocks (D, E, F, G, and H) were included. See Tables 3-6 through 3-10 for sample lists.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria

Table 2.4

Occurrence, Distribution, and Selection of Chemicals of Potential Concern - Migration from Subsurface Soil (2-10 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Volatile Organic Compounds**												
	75-34-3	1,1-DICHLOROETHANE	0.48 J	0.69 J	ug/kg	SB-515-0406, SB-515-0810	3/266	0.25 - 44000	0.69	5100	0.69	No	BSL
	75-35-4	1,1-DICHLOROETHENE	0.54 J	1.1 J	ug/kg	D-SB-793-09	2/266	0.36 - 46000	1.1	2900	120	No	BSL
	87-61-6	**1,2,3-TRICHLOROBENZENE**	0.6 J	2200000	ug/kg	E-SB-833-09	32/266	0.26 - 518	2200000	NA	**87**	**Yes**	ASL
	526-73-8	1,2,3-TRIMETHYLBENZENE	0.15 J	49 J	ug/kg	E-SB-833L-04	15/172	0.12 - 2900	49	NA	NA	No	NTX
	120-82-1	**1,2,4-TRICHLOROBENZENE**	5.9 J	9600000	ug/kg	E-SB-833-09	32/266	0.19 - 518	9600000	**2400**	**6.8**	**Yes**	ASL
	95-63-6	**1,2,4-TRIMETHYLBENZENE**	0.69 J	658	ug/kg	SB-238-05	9/266	0.45 - 13000	658	NA	**21**	**Yes**	ASL
	95-50-1	**1,2-DICHLOROBENZENE**	0.39 J	120000 J	ug/kg	E-SB-833-09	25/266	0.25 - 290	120000	**4600**	**360**	**Yes**	ASL
	107-06-2	**1,2-DICHLOROETHANE**	1.5 J	51 J	ug/kg	E-SB-833K-10	2/266	0.24 - 26000	51	**1**	**0.042**	**Yes**	ASL
	108-67-8	1,3,5-TRIMETHYLBENZENE	0.94 J	139 J	ug/kg	SB-238-05	2/94	1.93 - 61	139	NA	520	No	BSL
	541-73-1	**1,3-DICHLOROBENZENE**	0.39 J	38000 J	ug/kg	E-SB-833A-10	14/266	0.24 - 12000	38000	**290**	NA	**Yes**	ASL
	106-46-7	**1,4-DICHLOROBENZENE**	1.6 J	130000 J	ug/kg	E-SB-833-09	28/266	0.46 - 290	130000	**4.2**	**0.41**	**Yes**	ASL
	78-93-3	2-BUTANONE	1.3 J	110 J	ug/kg	E-SB-833L-06	56/242	0.98 - 110000	110	29000	1,500	No	BSL
	99-87-6	4-ISOPROPYLTOLUENE	0.34 J	165 J	ug/kg	SB-238-05	5/266	0.15 - 12000	165	NA	NA	No	NTX
	67-64-1	**ACETONE**	3.6 J	16000 J	ug/kg	E-SB-833E-06	99/261	4.4 - 800000	16000	22000	**4,500**	**Yes**	ASL
	71-43-2	**BENZENE**	0.33 J	7	ug/kg	SB-89-05	8/303	0.16 - 31000	7	**1.9**	**0.21**	**Yes**	ASL
	74-83-9	BROMOMETHANE	0.49	0.49	ug/kg	D-SB-783-09	1/266	0.38 - 75000	0.49	41	2.2	No	BSL
	75-15-0	CARBON DISULFIDE	0.45 J	35 J	ug/kg	D-SB-786-03	17/266	0.31 - 31000	35	19000	310	No	BSL
	56-23-5	**CARBON TETRACHLORIDE**	0.88 J	0.88 J	ug/kg	E-SB-833G-08	1/266	0.26 - 16000	0.88	2.1	**0.17**	**Yes**	ASL
	108-90-7	**CHLOROBENZENE**	1.8 J	4000 J	ug/kg	E-SB-833L-08	12/266	0.23 - 16000	4000	**680**	**62**	**Yes**	ASL
	156-59-2	CIS-1,2-DICHLOROETHENE	0.37 J	9.7	ug/kg	SB-515-0406	4/266	0.25 - 18000	9.7	NA	21	No	BSL
	100-41-4	**ETHYLBENZENE**	0.67 J	394	ug/kg	SB-238-05	7/303	0.18 - 14000	394	15000	**1.7**	**Yes**	ASL
	98-82-8	ISOPROPYLBENZENE	0.82 J	990 J	ug/kg	SB-84-05	5/266	0.11 - 17000	990	64000	1,100	No	BSL
	--	**M+P-XYLENES**	2.1 J	270 J	ug/kg	SB-238-05	7/266	0.84 - 16000	270	3000 [7]	**200** [8]	**Yes**	ASL
	75-09-2	**METHYLENE CHLORIDE**	2.4 J	4,800 J	ug/kg	E-SB-833E-06	40/266	0.47 - 360000	4800	**19**	**1.2**	**Yes**	ASL
	104-51-8	N-BUTYLBENZENE	125 J	2900 J	ug/kg	E-SB-833A-06	3/266	0.16 - 21000	2900	NA	NA	No	NTX
	103-65-1	N-PROPYLBENZENE	1.2 J	2200 J	ug/kg	SB-84-05	3/266	0.28 - 36000	2200	NA	2,500	No	BSL
	91-20-3	**NAPHTHALENE**	0.56 J	159000	ug/kg	SB-238-05	24/303	0.13 - 140000	159000	**150**	**0.47**	**Yes**	ASL
	95-47-6	O-XYLENE	0.8 J	186 J	ug/kg	SB-238-05	9/266	0.24 - 22000	186	3000 [7]	1,200	No	BSL
	135-98-8	SEC-BUTYLBENZENE	380 J	380 J	ug/kg	E-SB-833A-06	1/266	0.13 - 12000	380	NA	NA	No	NTX
	75-65-0	TERTIARY-BUTYL ALCOHOL	5 J	1200 J	ug/kg	E-SB-833L-04	13/65	8 - 7200000	1200	NA	NA	No	NTX
	127-18-4	**TETRACHLOROETHENE**	0.49 J	2.6 J	ug/kg	E-SB-833G-08	4/266	0.36 - 31000	2.6	4.7	**0.049**	**Yes**	ASL
	108-88-3	TOLUENE	0.21 J	270 J	ug/kg	E-SB-833I-10	41/303	0.19 - 44000	270	27000	1600	No	NTX
	1330-20-7	**TOTAL XYLENES**	1.5 J	600	ug/kg	SB-88-05	15/230	0.47 - 21000	600	3000 [7]	**200**	**Yes**	ASL
	79-01-6	**TRICHLOROETHENE**	0.32 J	2.7	ug/kg	SB-202-05, SB-201-10	16/266	0.29 - 25000	2.7	**0.26**	**0.72**	**Yes**	ASL
	75-69-4	TRICHLOROFLUOROMETHANE	0.74 J	29	ug/kg	SB-520-0810	5/266	0.24 - 41000	29	NA	830	No	NTX
	75-01-4	**VINYL CHLORIDE**	0.48 J	3.5 J	ug/kg	SB-515-0406	3/266	0.27 - 46000	3.5	**0.12**	**0.0056**	**Yes**	ASL
	Semivolatile Organic Compounds												
	105-67-9	2,4-DIMETHYLPHENOL	68 J	68 J	ug/kg	SB-238-05	1/214	22 - 65000	68	6700	860	No	BSL
	65-85-0	BENZOIC ACID	43 J	136 J	ug/kg	SB-195-05	6/45	42.3 - 1200	136	NA	34000	No	BSL
	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	22 J	190 J	ug/kg	SB-296-0910	17/214	21 - 62000	190	2900000	1100	No	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	36 J	36 J	ug/kg	D-SB-795-07	1/214	11 - 33000	36	NA	510	No	BSL
	86-74-8	**CARBAZOLE**	22 J	5690	ug/kg	SB-238-05	9/214	30 - 88000	5690	**470**	NA	**Yes**	ASL
	84-74-2	DI-N-BUTYL PHTHALATE	38 J	76 J	ug/kg	SB-66-10	3/214	17 - 49000	76	5000000	9200	No	BSL
	117-84-0	DI-N-OCTYL PHTHALATE	76 J	76 J	ug/kg	SB-63-05	1/214	30 - 88000	76	NA	NA	No	NTX
	132-64-9	**DIBENZOFURAN**	8.9 J	3980	ug/kg	SB-238-05	16/214	3.6 - 11000	3980	NA	**680**	**Yes**	ASL

Table 2.4

Occurrence, Distribution, and Selection of Chemicals of Potential Concern - Migration from Subsurface Soil (2-10 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Semivolatile Organic Compounds (continued)**												
	131-11-3	DIMETHYL PHTHALATE	62 J	310 J	ug/kg	SB-55-10	3/214	19 - 55000	310	NA	NA	No	NTX
	86-30-6	**N-NITROSODIPHENYLAMINE**	34 J	81 J	ug/kg	SB-238-05	2/213	23 - 69000	81	760	**75**	**Yes**	ASL
	108-95-2	PHENOL	140 J	1900	ug/kg	SB-81-05	11/214	30 - 88000	1900	67000	6300	No	BSL
	Polycyclic Aromatic Hydrocarbons												
	90-12-0	**1-METHYLNAPHTHALENE**	8.6	3420	ug/kg	SB-238-05	27/232	3.5 - 440	3420	NA	**12**	**Yes**	ASL
	91-57-6	**2-METHYLNAPHTHALENE**	7.9	6900	ug/kg	SB-238-05	43/401	3.5 - 11000	6900	**4400**	**750**	**Yes**	ASL
	83-32-9	**ACENAPHTHENE**	8.2	27000	ug/kg	E-SB-833-09	56/401	3.5 - 3900	27000	100000	**22000**	**Yes**	ASL
	208-96-8	ACENAPHTHYLENE	7.9	1000	ug/kg	G-SB-813-09	36/401	3.5 - 11000	1000	100000	22000 [9]	No	BSL
	120-12-7	ANTHRACENE	5.25	28000	ug/kg	E-SB-833-09	79/401	3.5 - 3900	28000	470000	360000	No	BSL
	--	**BAP EQUIVALENT-POSITIVE RESULTS[14]**	0.008	57089	ug/kg	G-SB-735A-5	797/1929	1.4 - 4200	57089	**120**	**3.5**	**Yes**	ASL
	--	**BAP EQUIVALENT-1/2 NONDETECT[14]**	1.2	57089	ug/kg	G-SB-735A-5	797/1929	1.4 - 4200	57089	**120**	**3.5**	**Yes**	ASL
	56-55-3	**BENZO(A)ANTHRACENE**	1.4 J	44000	ug/kg	G-SB-735A-5	610/1467	1 - 3800	44000	**480**	**10**	**Yes**	ASL
	50-32-8	**BENZO(A)PYRENE**	2.6 J	37000	ug/kg	G-SB-735A-5	727/1928	1.4 - 4200	37000	**120**	**3.5**	**Yes**	ASL
	205-99-2	**BENZO(B)FLUORANTHENE**	1.6 J	55000	ug/kg	G-SB-735A-5	648/1459	1.3 - 3800	55000	**1500**	**35**	**Yes**	ASL
	191-24-2	BENZO(G,H,I)PERYLENE	6.375	9200 J	ug/kg	G-SB-806-09	100/401	3.5 - 11000	9200	680000	120000 [10]	No	BSL
	207-08-9	**BENZO(K)FLUORANTHENE**	2.25	25000	ug/kg	G-SB-735A-5	472/1459	1.4 - 11000	25000	**15000**	**350**	**Yes**	ASL
	218-01-9	**CHRYSENE**	1.4 J	42000	ug/kg	E-SB-833-09	625/1467	0.97 - 3800	42000	48000	**1100**	**Yes**	ASL
	53-70-3	**DIBENZO(A,H)ANTHRACENE**	3.05	7800	ug/kg	G-SB-735A-5	267/1467	1.4 - 11000	7800	**460**	**11**	**Yes**	ASL
	206-44-0	FLUORANTHENE	8.4	81000	ug/kg	E-SB-833-09	146/401	3.5 - 3800	81000	6300000	160000	No	BSL
	86-73-7	FLUORENE	8.5	6330	ug/kg	SB-238-05	53/401	3.5 - 11000	6330	140000	27000	No	BSL
	193-39-5	**INDENO(1,2,3-CD)PYRENE**	0.96 J	21000 J	ug/kg	G-SB-714-6, G-SB-735A-5	543/1467	0.41 - 11000	21000	**4200**	**120**	**Yes**	ASL
	91-20-3	**NAPHTHALENE**	8.4	31000	ug/kg	SB-238-05	62/401	3.5 - 11000	31000	**150**	**0.47**	**Yes**	ASL
	85-01-8	PHENANTHRENE	5.575	88000	ug/kg	E-SB-833-09	109/401	3.5 - 3900	88000	470000	120,000 [10]	No	BSL
	129-00-0	PYRENE	7.8	60000	ug/kg	E-SB-833-09	149/401	3.5 - 3800	60000	680000	120,000	No	BSL
	Pesticides/Polychlorinated Biphenyls												
	72-55-9	4,4'-DDE	34 J	34 J	ug/kg	D-SB-790-05	1/78	0.43 - 46	34	35000	47	No	BSL
	11097-69-1	**AROCLOR-1254**	27	9800	ug/kg	SB-555-4	3/550	15 - 1100000	9800	**1100**	**8.8**	**Yes**	ASL
	11096-82-5	**AROCLOR-1260**	8.1 J	24000000	ug/kg	E-SB-833-09	100/550	4.8 - 360	24000000	NA	**24**	**Yes**	ASL
	319-85-7	**BETA-BHC**	1.3 J	1.3 J	ug/kg	D-SB-792-03	1/78	1.2 - 66	1.3	3.1	**0.22**	**Yes**	ASL
	1336-36-3	**TOTAL AROCLOR**	8	24000000	ug/kg	E-SB-833-09	102/550	0 - 0	24000000	**410 [11]**	NA	**Yes**	ASL
	Metals												
	7440-36-0	**ANTIMONY**	0.056 L	2 L	mg/kg	SB-236-05	59/207	0.0056 - 3.6	2	13	**0.66**	**Yes**	ASL
	7440-38-2	**ARSENIC**	0.22 L	14.3	mg/kg	D-SB-786-07	202/233	0.51 - 5.3	14.3	**0.026**	**0.0013**	**Yes**	ASL
	7440-39-3	BARIUM	1.6	103	mg/kg	SB-236-05	155/155	--	103	6000	300	No	BSL
	7440-41-7	BERYLLIUM	0.076	6.6 J	mg/kg	D-SB-795-03	160/226	0.015 - 3.6	6.6	1200	58	No	BSL
	7440-43-9	CADMIUM	0.016	1.1	mg/kg	D-SB-788-03	67/226	0.0037 - 3.6	1.1	27	1.4	No	BSL
	7440-47-3	CHROMIUM	1.5 J	120 J	mg/kg	SB-60-10	215/225	2.6 - 14	120	2000000000 [12]	99,000,000 [12]	No	BSL
	7440-48-4	**COBALT**	0.18	68.1	mg/kg	SB-197-05	153/155	3.2 - 11	68.1	NA	**0.49**	**Yes**	ASL
	7440-50-8	**COPPER**	1 J	110 J	mg/kg	D-SB-784-07	217/226	2.3 - 3.4	110	11000	**51**	**Yes**	ASL
	7439-89-6	**IRON**	1290	72900 J	mg/kg	D-SB-787-09	102/102	--	72900	NA	**640**	**Yes**	ASL
	7439-92-1	**LEAD**	0.71 J	1010	mg/kg	D-SB-783-03	211/226	1 - 4	1010	NA	**14 [13]**	**Yes**	ASL
	7439-96-5	**MANGANESE**	2.2 L	326 J	mg/kg	D-SB-794-03	102/102	--	326	950	**57**	**Yes**	ASL
	7439-97-6	MERCURY	0.007	3.3	mg/kg	SB-33-05	103/424	0.002 - 0.15	3.3	NA	NA	No	BSL
	7439-98-7	MOLYBDENUM	0.16 J	1.3 J	mg/kg	SB-504-0810	72/155	0.072 - 0.9	1.3	NA	3.7	No	BSL

Table 2.4

Occurrence, Distribution, and Selection of Chemicals of Potential Concern - Migration from Subsurface Soil (2-10 feet) to Groundwater
All Tax Blocks - Human Health Risk Assessment
Lockheed Martin, Middle River Complex
Middle River, Maryland

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondetects[2]	Concentration Used for Screening[3]	MDE Cleanup Standards for Protection of Groundwater[4]	USEPA SSL for Protection of Groundwater[5]	Global COPC Flag	Rationale for Contaminant Deletion or Selection[6]
All Tax Blocks	**Metals (continued)**												
	7440-02-0	**NICKEL**	0.76 J	150	mg/kg	SB-55-05	212/226	0.39 - 3.6	150	NA	**48**	**Yes**	ASL
	7782-49-2	**SELENIUM**	0.2	11 L	mg/kg	SB-31-05	100/218	0.18 - 11	11	19	**1.0**	**Yes**	ASL
	7440-22-4	**SILVER**	0.03	2.3	mg/kg	SB-236-05	56/174	0.0079 - 3.1	2.3	31	**1.6**	**Yes**	ASL
	7440-28-0	THALLIUM	0.018 J	0.21 K	mg/kg	SB-504-0810	46/226	0.0052 - 5	0.21	3.6	NA	No	BSL
	7440-62-2	VANADIUM	2.1	90.5	mg/kg	SB-249-10	155/155	--	90.5	730	180	No	BSL
	7440-66-6	ZINC	2.8	270	mg/kg	SB-55-05	173/226	5.2 - 60	270	14000	680	No	BSL
	Petroleum Hydrocarbons												
	--	DIESEL RANGE ORGANICS	840 J	28000000	ug/kg	E-SB-833-09	87/192	2400 - 29000	28000000	NA	NA	No	NTX
	--	GASOLINE RANGE ORGANICS	34 J	980000	ug/kg	G-SB-728-4	44/220	51 - 15200	980000	NA	NA	No	NTX
	--	TPH (C09-C36)	2900 J	200000	ug/kg	SB-285-0405	11/24	2200 - 8700	200000	NA	NA	No	NTX
	--	TPH (C10-C32)	640 J	48000	ug/kg	SB-502-0406	10/39	990 - 130000	48,000	NA	NA	No	NTX
	Miscellaneous Parameters												
	18540-29-9	**HEXAVALENT CHROMIUM**	0.33 J	1.1	mg/kg	D-SB-788-03	31/76	0.3 - 0.4	1.1	42	**0.00083**	**Yes**	ASL
	22967-92-6	MERCURY (METHYL)	0.31 K	1.21 J	ug/kg	SB-236-05	3/3	--	1.21	NA	NA	No	NTX
	--	PERCENT SOLIDS	62.5	95.9	%	SB-395-0203	608/608	--	95.9	NA	NA	No	NTX
	--	PH	4.9	7.7	S.U.	SB-236-05	5/5	--	7.7	NA	NA	No	NTX
	--	TOTAL ORGANIC CARBON	690 J	1350	mg/kg	MRC-MW08[0809]	2/3	238	1350	NA	NA	No	NTX
	--	TOTAL SOLIDS	70	88	%	SB-297-0405	24/24	--	88	NA	NA	No	NTX

Footnotes:
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater, June 2008.
5 - USEPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites, November, 2010. The noncarcinogenic values (denoted with a "N" flag) are the screening level divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag).
6 - The chemical is selected as a global COPC if the maximum detected concentration exceeds the risk-based COPC screening level.
7 - The value is for xylenes.
8 - The value is for xylene, mixture.
9 - The value for acenaphthene is used as a surrogate for acenaphthylene.
10 - The value for pyrene is used as a surrogate for benzo(g,h,i)perylene and phenanthrene.
11 - The value is for PCB (total).
12 - The value is for trivalent chromium.
13 - Calculated from the EPA website (http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
14 - See Secction 3 of the text for BaP equivalent calculation methodology.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Associated Samples: All subsurface soil (2-10 feet) samples from all tax blocks (D, E, F, G, and H) were included. See tables 3-6 through 3-10 for sample lists.

Definitions:
BaP = Benzo(a)pyrene
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
K = Biased high
L = Biased low
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below COPC Screening Level
NTX = No toxicity criteria

LIST OF TABLES
RAGS PART D TABLE 3
MEDIUM-SPECIFIC EXPOSURE POINT CONCENTRATION SUMMARY

Table No.	Reasonable Maximum Exposures
3.1.RME	Surface Soil - Block D
3.2.RME	Surface Soil - Block E
3.3.RME	Surface Soil - Block F
3.4.RME	Surface Soil - Block G
3.5.RME	Surface Soil - Block H
3.2.RME	Subsurface Soil - Block D
3.3.RME	Subsurface Soil - Block E
3.4.RME	Subsurface Soil - Block F
3.5.RME	Subsurface Soil - Block G
3.6.RME	Subsurface Soil - Block H

TABLE 3.1.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[4]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block D	1,2,3-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,2,4-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,4-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	1.6	3.8 (NP)	22.5	3.8	mg/kg	97.5% KM (Chebyshev) UCL	Pro UCL 4.00.05
	AROCLOR-1254	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	AROCLOR-1260	mg/kg	NA	NA	0.02	0.02	mg/kg	Maximum Concentration	(1)
	ANTIMONY	mg/kg	0.66	0.48 (G)	3	0.48	mg/kg	95% KM (t) UCL	Pro UCL 4.00.05
	ARSENIC	mg/kg	2.1	3.5 (G)	6	3.5	mg/kg	95% KM (Chebyshev) UCL	Pro UCL 4.00.05
	CADMIUM	mg/kg	0.70	0.15 (N)	0.4	0.15	mg/kg	95% KM (t) UCL	Pro UCL 4.00.05
	COBALT	mg/kg	6.1	10.7 (G)	27.5	10.7	mg/kg	95% Approximate Gamma UCL	Pro UCL 4.00.05
	IRON	mg/kg	11700	16300 (G)	25400	16300	mg/kg	95% Approximate Gamma UCL	Pro UCL 4.00.05
	LEAD	mg/kg	20.6	29.2 (G)	75	20.6	mg/kg	Average Concentration	(2)
	MANGANESE	mg/kg	56.3	89.9 (G)	183	89.9	mg/kg	95% Approximate Gamma UCL	Pro UCL 4.00.05
	MERCURY	mg/kg	0.15	0.25 (G)	1.7	0.25	mg/kg	95% KM (t) UCL	Pro UCL 4.00.05
	MOLYBDENUM	mg/kg	0.38	0.45 (N)	0.61	0.45	mg/kg	95% KM (t) UCL	Pro UCL 4.00.05
	NICKEL	mg/kg	10.9	14.6 (G)	40.6	14.6	mg/kg	95% Approximate Gamma UCL	Pro UCL 4.00.05
	VANADIUM	mg/kg	20.9	25.6 (G)	43.3	25.6	mg/kg	95% Approximate Gamma UCL	Pro UCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	140	550 (NP)	1800	550	mg/kg	97.5% KM (Chebyshev) UCL	Pro UCL 4.00.05
	GASOLINE RANGE ORGANICS	mg/kg	0.43	0.81 (G)	4.8	0.81	mg/kg	95% KM (t) UCL	Pro UCL 4.00.05
	HEXAVALENT CHROMIUM[3]	mg/kg	0.75	0.87 (N)	1.8	0.87	mg/kg	95% Student's-t UCL	Pro UCL 4.00.05

Notes:
(1) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

TABLE 3.2.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[4]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block E	1,2,3-TRICHLOROBENZENE	mg/kg	2.0	16.3 (L)	43	16.3	mg/kg	99% KM (Chebyshev) UCL	ProUCL 4.00.05
	1,2,4-TRICHLOROBENZENE	mg/kg	9.4	77.7 (L)	210	77.7	mg/kg	99% KM (Chebyshev) UCL	ProUCL 4.00.05
	1,4-DICHLOROBENZENE	mg/kg	0.10	0.23 (G)	2.7	0.23	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	0.65	1.5 (L)	11	1.5	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	AROCLOR-1254	mg/kg	NA	NA	36	36	mg/kg	Maximum Concentration	(1)
	AROCLOR-1260	mg/kg	34.6	108 (NP)	1800	108	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	ANTIMONY	mg/kg	0.56	0.37 (G)	2.2	0.37	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	ARSENIC	mg/kg	1.8	2.2 (L)	9.6	2.2	mg/kg	95% H-UCL	ProUCL 4.00.05
	CADMIUM	mg/kg	0.74	2.7 (L)	6.4	2.7	mg/kg	99% KM (Chebyshev) UCL	ProUCL 4.00.05
	COBALT	mg/kg	5.9	11.6 (NP)	27.2	11.6	mg/kg	95% Chebyshev (Mean, Sd) UCL	ProUCL 4.00.05
	IRON	mg/kg	15200	17200 (N)	29900	17200	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	LEAD	mg/kg	21.6	82.3 (NP)	278	21.6	mg/kg	Average Concentration	(2)
	MANGANESE	mg/kg	118	174 (L)	1370	174	mg/kg	95% H-UCL	ProUCL 4.00.05
	MERCURY	mg/kg	0.066	0.12 (N)	0.41	0.12	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	MOLYBDENUM	mg/kg	0.36	0.83 (N)	3.2	0.83	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	NICKEL	mg/kg	9.5	10.9 (N)	20	10.9	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	VANADIUM	mg/kg	19.3	24.0 (NP)	60.7	24.0	mg/kg	95% Modified-t UCL	ProUCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	956	2340 (G)	8900	2340	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	GASOLINE RANGE ORGANICS	mg/kg	0.25	0.48 (N)	1.4	0.48	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	HEXAVALENT CHROMIUM[3]	mg/kg	0.76	1.3 (NP)	4.2	1.3	mg/kg	95% Chebyshev (Mean, Sd) UCL	ProUCL 4.00.05

Notes:

(1) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable

TABLE 3.3.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[4]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block F	1,2,3-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,2,4-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,4-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	2.0	6.1 (L)	50	6.1	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	AROCLOR-1254	mg/kg	NA	NA	0.096	0.096	mg/kg	Maximum Concentration	(1)
	AROCLOR-1260	mg/kg	0.096	0.16 (L)	1.4	0.16	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05
	ANTIMONY	mg/kg	1.1	1.4 (NP)	4	1.4	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05
	ARSENIC	mg/kg	2.6	3.1 (N)	6	3.1	mg/kg	95% KM (Percentile Bootstrap) UCL	ProUCL 4.00.05
	CADMIUM	mg/kg	1.1	1.2 (L)	4.5	1.2	mg/kg	95% KM (Percentile Bootstrap) UCL	ProUCL 4.00.05
	COBALT	mg/kg	6.1	7.0 (N)	11.7	7.0	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	IRON	NA	NA	NA	NA	NA	NA	NA	No data available
	LEAD	mg/kg	58.9	140 (G)	447	58.9	mg/kg	Average Concentration	(2)
	MANGANESE	NA	NA	NA	NA	NA	NA	NA	No data available
	MERCURY	mg/kg	0.46	0.87 (G)	2.7	0.87	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	MOLYBDENUM	mg/kg	NA	NA	63	63	mg/kg	Maximum Concentration	(1)
	NICKEL	mg/kg	10.2	12.4 (N)	27	12.4	mg/kg	95% KM (Percentile Bootstrap) UCL	ProUCL 4.00.05
	VANADIUM	mg/kg	31.8	35.0 (N)	49	35.0	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	46.6	91.8 (N)	271	91.8	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	GASOLINE RANGE ORGANICS	mg/kg	NA	NA	1.2	1.2	mg/kg	Maximum Concentration	(1)
	HEXAVALENT CHROMIUM[3]	mg/kg	1.3	2.7 (NP)	9.25	2.7	mg/kg	95% Chebyshev (Mean, Sd) UCL	ProUCL 4.00.05

Notes:

(1) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

TABLE 3.4.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[4]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block G	1,2,3-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,2,4-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,4-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	1.5	3.7 (NP)	38.7	3.7	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	AROCLOR-1254	mg/kg	NA	NA	0.012	0.012	mg/kg	Maximum Concentration	(1)
	AROCLOR-1260	mg/kg	0.18	0.26 (G)	1.2	0.26	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	ANTIMONY	mg/kg	1.4	1.7 (G)	3.9	1.7	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	ARSENIC	mg/kg	3.0	7.9 (NP)	37	7.9	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	CADMIUM	mg/kg	NA	NA	14	14	mg/kg	Maximum Concentration	(1)
	COBALT	mg/kg	15.1	41.2 (G)	51.2	41.2	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05
	IRON	NA	NA	NA	NA	NA	NA	NA	No data available
	LEAD	mg/kg	68.3	140	340	68.3	mg/kg	Average Concentration	(2)
	MANGANESE	NA	NA	NA	NA	NA	NA	NA	No data available
	MERCURY	mg/kg	0.48	1.8 (G)	4.2	1.8	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	MOLYBDENUM	mg/kg	NA	NA	ND	NA	NA	NA	No data available
	NICKEL	mg/kg	49.3	161 (NP)	280	161	mg/kg	95% Chebyshev (Mean, Sd) UCL	ProUCL 4.00.05
	VANADIUM	mg/kg	25.7	31.5 (N)	39.2	31.5	mg/kg	95% Student's-t UCL	ProUCL 4.00.06
	DIESEL RANGE ORGANICS	mg/kg	50.1	77.4 (N)	163	77.4	mg/kg	95% KM (t) UCL	ProUCL 4.00.07
	GASOLINE RANGE ORGANICS	mg/kg	54.1	131 (G)	810	131	mg/kg	95% KM (t) UCL	ProUCL 4.00.08
	HEXAVALENT CHROMIUM[3]	mg/kg	1.1	1.3 (G)	2.4	1.3	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.09

Notes:

(1) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

TABLE 3.5.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil
Exposure Medium: Surface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[5]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block H	1,2,3-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,2,4-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,4-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	1.7	11.8 (NP)	45.9	11.8	mg/kg	99% KM (Chebyshev) UCL	ProUCL 4.00.05
	AROCLOR-1254	mg/kg	NA	NA	ND	NA	NA	NA	Chemical not detected
	AROCLOR-1260	mg/kg	NA	NA	ND	NA	NA	NA	Chemical not detected
	ANTIMONY	mg/kg	0.48	0.82 (N)	1	0.82	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	ARSENIC	mg/kg	2.1	3.5 (G)	6.1	3.5	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05
	CADMIUM	mg/kg	0.12	0.20 (N)	0.5	0.2	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	COBALT	mg/kg	6.5	9.3 (G)	19.7	9.3	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05
	IRON	NA	NA	NA	NA	NA	NA	NA	No data available
	LEAD	mg/kg	6.8	9.0 (L)	18	6.8	mg/kg	Mean Concentration	(1)
	MANGANESE	NA	NA	NA	NA	NA	NA	NA	No data available
	MERCURY	mg/kg	0.071	0.19 (NP)	1.14	0.19	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	MOLYBDENUM	mg/kg	0.35	0.45 (N)	0.55	0.45	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	NICKEL	mg/kg	9.1	10.9 (N)	15	10.9	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	VANADIUM	mg/kg	21.7	27.2 (G)	37.9	27.2	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	NA	NA	242	242	mg/kg	Maximum Concentration	(2)
	GASOLINE RANGE ORGANICS	mg/kg	3.7	NA(1)	12	12	mg/kg	Maximum Concentration	(3)
	HEXAVALENT CHROMIUM[4]	mg/kg	0.79	1.1 (L)	1.5	1.1	mg/kg	95% H-UCL	ProUCL 4.00.05

Notes:

(1) The average concentration is used as the EPC for lead.
(2) There are less than five samples meaningful statistics cannot be computed.
(3) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(4) Calculated by multiplying the total chromium concentration by 0.05.
(5) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

TABLE 3.6.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Subsurface Soil
Exposure Medium: Subsurface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[4]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block D	1,2,3-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,2,4-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,3-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,4-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	NAPHTHALENE (VOC)	mg/kg	0.072	NA	4	4.0	mg/kg	Maximum Concentration	(1)
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	0.25	0.65 (NP)	24.4	0.65	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	NAPHTHALENE (PAH)	mg/kg	0.087	0.068 (NP)	1.6	0.068	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05
	AROCLOR-1254	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	AROCLOR-1260	mg/kg	NA	NA	0.24	0.24	mg/kg	Maximum Concentration	(1)
	ARSENIC	mg/kg	4.2	4.6 (N)	14.3	4.6	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	COBALT	mg/kg	10.1	11.7 (L)	33	11.7	mg/kg	95% H-UCL	ProUCL 4.00.05
	IRON	mg/kg	27900	30900 (N)	72,900	30900	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	LEAD	mg/kg	22.9	46.6 (NP)	1010	22.9	mg/kg	Average Concentration	(2)
	MANGANESE	mg/kg	56.9	67.6 (G)	326	67.6	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05
	MERCURY	mg/kg	0.13	0.18 (NP)	3.3	0.18	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05
	VANADIUM	mg/kg	38.6	42.2 (N)	90.5	42.2	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	22.5	40.3 (NP)	230	40.3	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	GASOLINE RANGE ORGANICS	mg/kg	0.044	NA	0.25	0.25	mg/kg	Maximum Concentration	(1)
	HEXAVALENT CHROMIUM[3]	mg/kg	1.1	1.4 (NP)	6	1.4	mg/kg	95% Chebyshev (Mean, Sd) UCL	ProUCL 4.00.05

Notes:

(1) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

TABLE 3.7.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Subsurface Soil
Exposure Medium: Subsurface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[4]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block E	1,2,3-TRICHLOROBENZENE	mg/kg	25.7	165 (L)	2200	165	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	1,2,4-TRICHLOROBENZENE	mg/kg	117	724 (L)	9600	724	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	1,3-DICHLOROBENZENE	mg/kg	0.89	4.2 (L)	38	4.2	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	1,4-DICHLOROBENZENE	mg/kg	1.9	10.4 (L)	130	10.4	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	NAPHTHALENE (VOC)	mg/kg	0.014	0.025 (G)	0.13	0.025	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	0.57	1.7 (NP)	39.3	1.7	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05
	NAPHTHALENE (PAH)	mg/kg	0.19	0.072 (L)	0.46	0.072	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05
	AROCLOR-1254	mg/kg	NA	NA	9.8	9.8	mg/kg	Maximum Concentration	(1)
	AROCLOR-1260	mg/kg	117	709 (NP)	24000	709	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	ARSENIC	mg/kg	1.3	1.5 (G)	5.5	1.5	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05
	COBALT	mg/kg	3.3	4.0 (G)	9.1	4.0	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05
	IRON	mg/kg	14100	17100 (G)	42,200	17100	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05
	LEAD	mg/kg	3.6	4.3 (G)	14.4	3.6	mg/kg	Average Concentration	(2)
	MANGANESE	mg/kg	58.0	93.9 (L)	280	93.9	mg/kg	95% H-UCL	ProUCL 4.00.05
	MERCURY	mg/kg	NA	NA	0.29	0.29	mg/kg	Maximum Concentration	(3)
	VANADIUM	mg/kg	12.4	13.8 (N)	21.1	13.8	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	826	2010 (G)	28,000	2010	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	GASOLINE RANGE ORGANICS	mg/kg	10.4	81.1 (NP)	170	81.1	mg/kg	99% KM (Chebyshev) UCL	ProUCL 4.00.05
	HEXAVALENT CHROMIUM[3]	mg/kg	1.2	0.49 (G)	1.2	0.49	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05

Notes:

(1) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

TABLE 3.8.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Subsurface Soil
Exposure Medium: Subsurface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[4]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block F	1,2,3-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,2,4-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,3-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,4-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	NAPHTHALENE (VOC)	mg/kg	NA	NA	159	159	mg/kg	Maximum Concentration	ProUCL 4.00.05
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	0.10	0.22 (NP)	7.6	0.22	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	NAPHTHALENE (PAH)	mg/kg	NA	NA	31	31	mg/kg	Maximum Concentration	(1)
	AROCLOR-1254	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	AROCLOR-1260	mg/kg	0.028	0.017	0.027	0.017	mg/kg	95% KM(t) UCL	ProUCL 4.00.05
	ARSENIC	mg/kg	1.9	2.4 (G)	7.0	2.4	mg/kg	95% KM (Percentile Bootstrap) UCL	ProUCL 4.00.05
	COBALT	mg/kg	9.5	18.7 (NP)	32.3	18.7	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	IRON	NA	NA	NA	NA	NA	NA	NA	No data available
	LEAD	mg/kg	10.4	20.9 (NP)	81	10.4	mg/kg	Average Concentration	(2)
	MANGANESE	NA	NA	NA	NA	NA	NA	NA	No data available
	MERCURY	mg/kg	0.19	0.27 (G)	1.8	0.27	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	VANADIUM	mg/kg	34.9	39.9 (N)	61.6	39.9	mg/kg	Use 95% Student's-t UCL	ProUCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	48.9	522 (L)	881	522	mg/kg	99% KM (Chebyshev) UCL	ProUCL 4.00.05
	GASOLINE RANGE ORGANICS	mg/kg	NA	NA	21.2	21.2	mg/kg	Maximum Concentration	(1)
	HEXAVALENT CHROMIUM[3]	mg/kg	0.86	0.98 (G)	2.0	0.98	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05

Notes:
(1) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

TABLE 3.9.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Subsurface Soil
Exposure Medium: Subsurface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[4]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block G	1,2,3-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,2,4-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,3-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,4-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	NAPHTHALENE (VOC)	mg/kg	0.054	0.063 (G)	0.62	0.063	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	BENZO(A)PYRENE EQUIVALENTS[5]	mg/kg	0.65	1.3 (NP)	57.1	1.3	mg/kg	97.5% KM (Chebyshev) UCL	ProUCL 4.00.05
	NAPHTHALENE (PAH)	mg/kg	0.051	0.037 (G)	0.51	0.037	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	AROCLOR-1254	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	AROCLOR-1260	mg/kg	NA	NA	0.014	0.014	mg/kg	Maximum Concentration	(1)
	ARSENIC	mg/kg	2.9	3.6 (N)	8.5	3.6	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	COBALT	mg/kg	11.3	31.0 (G)	68.1	31.0	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	IRON	mg/kg	NA	NA	17,200	17200	mg/kg	Maximum Concentration	(1)
	LEAD	mg/kg	7.0	8.4 (G)	18	8.4	mg/kg	Average Concentration	(2)
	MANGANESE	mg/kg	NA	NA	123	123	mg/kg	Maximum Concentration	(1)
	MERCURY	mg/kg	0.029	0.014 (NP)	0.03	0.014	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	VANADIUM	mg/kg	36.6	46.3 (N)	72.7	46.3	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	16.2	21.7 (G)	105	21.7	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	GASOLINE RANGE ORGANICS	mg/kg	782	131 (G)	980	131	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	HEXAVALENT CHROMIUM[3]	mg/kg	0.95	1.1 (N)	2	1.1	mg/kg	95% Student's-t UCL	ProUCL 4.00.05

Notes:

(1) There are less than three detected concentrations reliable statistics cannot be calculated. The maximum concentration is used as the EPC.
(2) The average concentration is used as the EPC for lead.
(3) Calculated by multiplying the total chromium concentration by 0.05.
(4) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(5) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

TABLE 3.10.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Subsurface Soil
Exposure Medium: Subsurface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)[3]	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Tax Block H	1,2,3-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,2,4-TRICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,3-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	1,4-DICHLOROBENZENE	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	NAPHTHALENE (VOC)	mg/kg	0.014	0.025 (G)	0.13	0.025	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	BENZO(A)PYRENE EQUIVALENTS[4]	mg/kg	0.13	0.25 (L)	5.3	0.25	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	NAPHTHALENE (PAH)	mg/kg	0.12	0.15 (N)	1.2	0.15	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	AROCLOR-1254	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	AROCLOR-1260	NA	NA	NA	ND	NA	NA	NA	Chemical not detected
	ARSENIC	mg/kg	2.8	3.6 (N)	7.4	3.6	mg/kg	95% KM (Percentile Bootstrap) UCL	ProUCL 4.00.05
	COBALT	mg/kg	9.4	12.9 (G)	30.8	12.9	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05
	IRON	NA	NA	NA	NA	NA	NA	NA	No data available
	LEAD	mg/kg	7.2	9.0 (N)	17	7.2	mg/kg	Average Concentration	(1)
	MANGANESE	NA	NA	NA	NA	NA	NA	NA	No data available
	MERCURY	mg/kg	0.018	0.031 (L)	0.24	0.031	mg/kg	95% KM (BCA) UCL	ProUCL 4.00.05
	VANADIUM	mg/kg	33.5	38.1 (N)	52.9	38.1	mg/kg	95% Student's-t UCL	ProUCL 4.00.05
	DIESEL RANGE ORGANICS	mg/kg	38.8	130 (G)	173	130	mg/kg	95% KM (Chebyshev) UCL	ProUCL 4.00.05
	GASOLINE RANGE ORGANICS	mg/kg	3.5	2.6 (N)	9	2.6	mg/kg	95% KM (t) UCL	ProUCL 4.00.05
	HEXAVALENT CHROMIUM[2]	mg/kg	1.4	1.8 (G)	4.5	1.8	mg/kg	95% Approximate Gamma UCL	ProUCL 4.00.05

Notes:
(1) The average concentration is used as the EPC for lead.
(2) Calculated by multiplying the total chromium concentration by 0.05.
(3) The maximum concentration considers the original and duplicate sample results and positive detections only. Thus, the maximum concentration presented may differ from that provided by ProUCL, which considers averages of duplicate pairs as well as non-detected results.
(4) See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Acronyms
NA = Not Applicable
ND = Not Detected

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VALUES USED FOR DAILY INTAKE CALCULATIONS

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4.2.RME	Construction Workers Exposed to Air Emissions from Surface Soil/Subsurface Soil
4.3.RME	Industrial Workers Exposed to Surface Soil/Subsurface Soil
4.4.RME	Industrial Workers Exposed to Air Emissions from Surface Soil/Subsurface Soil
4.5.RME	Child Commercial Receptors Exposed to Surface Soil/Subsurface Soil
4.6.RME	Child Commercial Receptors Exposed to Air Emissions from Surface Soil/Subsurface Soil
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4.22.RME	Adult Residents Exposed to Air Emissions from Surface Soil/Subsurface Soil

TABLE 4.1.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - CONSTRUCTION WORKERS- SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Construction Workers	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002a	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	480	mg/day	USEPA, 2002b	
				CF3	Conversion Factor 3	0.000001	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	USEPA, 2002b	BW x AT
				EF	Exposure Frequency	250	days/year	(1)	
				ED	Exposure Duration	1	years	(1)	
				BW	Body Weight	70	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	365	days	USEPA, 1989	
Dermal	Construction Workers	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002a	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	0.000001	kg/mg	--	
				SA	Skin Surface Available for Contact	3280	cm2	USEPA, 2004	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.3	mg/cm2/event	USEPA, 2004	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2004	
				EF	Exposure Frequency	250	days/year	(1)	
				ED	Exposure Duration	1	years	(1)	
				BW	Body Weight	70	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	365	days	USEPA, 1989	

Notes:

1 - Professional judgment.

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A.

USEPA, 2002a:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2002b: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Cancer Ingestion Intake = 6.71E-08 Cancer Dermal Intake = 1.38E-07

Noncancer Ingestion Intake = 4.70E-06 Noncancer Dermal Intake = 9.63E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.2.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - CONSTRUCTION WORKERS - SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Construction Workers	Adult	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	8	hours/day	(1)	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	250	days/year	(1)	
				ED	Exposure Duration	1	years	(1)	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	CA = (1/PEF + 1/VF) x Cs
				AT-N	Averaging Time (Non-Cancer)	365	days	USEPA, 1989	
				PEF	Particulate Emission Factor	1.43E+06	m3/kg	USEPA, 2002a	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	

Notes:

1 - Professional judgment.

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Cancer Inhalation Intake = 3.26E-03 Noncancer Inhalation Intake = 2.28E-01

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.3.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - INDUSTRIAL WORKERS - SOIL

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Industrial Workers	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002a	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	50	mg/day	USEPA, 2002b	
				CF3	Conversion Factor 3	0.000001	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	USEPA, 2002b	BW x AT
				EF	Exposure Frequency	250	days/year	USEPA, 2002b	
				ED	Exposure Duration	25	years	USEPA, 2002b	
				BW	Body Weight	70	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	9125	days	USEPA, 1989	
Dermal	Industrial Workers	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	0.000001	kg/mg	--	
				SA	Skin Surface Available for Contact	3300	cm2	USEPA, 2004	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.2	mg/cm2/event	USEPA, 2004	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2004	
				EF	Exposure Frequency	250	days/year	USEPA, 2002b	
				ED	Exposure Duration	25	years	USEPA, 1989	
				BW	Body Weight	70	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	9125	days	USEPA, 1989	

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A.

USEPA, 2002a:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2002b: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Cancer Ingestion Intake = 1.75E-07 Cancer Dermal Intake = 2.31E-06

Noncancer Ingestion Intake = 4.89E-07 Noncancer Dermal Intake = 6.46E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.4.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - INDUSTRIAL WORKERS - SOIL TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Industrial Workers	Adult	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	8	hours/day	(1)	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	250	days/year	USEPA, 2002a	
				ED	Exposure Duration	25	years	USEPA, 2002a	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	CA = (1/PEF + 1/VF) x Cs
				AT-N	Averaging Time (Non-Cancer)	9125	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - Length of typical work day.

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Cancer Inhalation Intake = 8.15E-02 Noncancer Inhalation Intake = 2.28E-01

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.5.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - CHILD COMMERCIAL RECEPTORS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Commercial	Child	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	200	mg/day	MDE, 2008	
				CF3	Conversion Factor 3	0.000001	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	(1), MDE, 2008	BW x AT
				EF	Exposure Frequency	132	days/year	MDE, 2008	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	15	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2190	days	USEPA, 1989	
Dermal	Commercial	Child	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	0.000001	kg/mg	--	
				SA	Skin Surface Available for Contact	2,350	cm2	MDE, 2008	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.2	mg/cm2/event	MDE, 2008	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	MDE, 2008	
				EF	Exposure Frequency	132	days/year	MDE, 2008	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	15	kg	MDE, 2008	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2190	days	USEPA, 1989	

Notes:

1 - Same as child resident.

2 - Children will be evaluated as one age group (0 - 6 years) for non-mutagenic chemicals. For chemicals that act via the mutagenic mode of action, children commercial receptors will be evaluated as two age groups, 0 - 2 years and 2 - 6 years in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 2002: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 0 - 6) = 4.13E-07 Cancer Dermal Intake (Age 0 - 6) = 9.71E-07

Mutagenic Chemicals

Cancer Ingestion Intake (Age 0 - 2) = 1.38E-07 Cancer Dermal Intake (Age 0 - 2) = 3.24E-07

Cancer Ingestion Intake (Age 2 - 6) = 2.76E-07 Cancer Dermal Intake (Age 2 - 6) = 6.48E-07

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 4.82E-06 Noncancer Dermal Intake = 1.13E-05

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.6.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - CHILD COMMERCIAL RECEPTORS - SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Commercial	Child	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	4	hours/day	MDE, 2008	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	132	days/year	MDE, 2008	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(1), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(1), USEPA, 1989, 2005	CA = (1/PEF + 1/VF) x Cs
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,190	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - Children will be evaluated as one age group (0 - 6 years) for non-mutagenic chemicals. For chemicals that act via the mutagenic mode of action, children commercial receptors will be evaluated as two age groups, 0 - 2 years and 2 - 6 years in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 0 - 6) = 5.17E-03 Noncancer Inhalation Intake = 6.03E-02

Mutagenic Chemicals

Cancer Inhalation Intake (Age 0 - 2) = 1.72E-03

Cancer Inhalation Intake (Age 2 - 6) = 3.44E-03

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.7.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADOLESCENT COMMERCIAL RECEPTORS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Commercial	Adolescent	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	100	mg/day	MDE, 2008	
				CF3	Conversion Factor 3	0.000001	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	(1), MDE, 2008	BW x AT
				EF	Exposure Frequency	132	days/year	MDE, 2008	
				ED	Exposure Duration (Age 6 - 16)	10	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	40	kg	MDE, 2008	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4380	days	USEPA, 1989	
Dermal	Commercial	Adolescent	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	0.000001	kg/mg	--	
				SA	Skin Surface Available for Contact	4,320	cm2	MDE, 2008	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.2	mg/cm2/event	MDE, 2008	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	MDE, 2008	
				EF	Exposure Frequency	132	days/year	MDE, 2008	
				ED	Exposure Duration (Age 6 - 16)	10	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	40	kg	MDE, 2008	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4380	days	USEPA, 1989	

Notes:

1 - Same as adolescent resident.

2 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 2002: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 6 - 18) = 1.55E-07 Cancer Dermal Intake (Age 6 - 18) = 1.34E-06

Mutagenic Chemicals

Cancer Ingestion Intake (Age 6 - 16) = 1.29E-07 Cancer Dermal Intake (Age 6 - 16) = 1.12E-06

Cancer Ingestion Intake (Age 16 - 18) = 2.58E-08 Cancer Dermal Intake (Age 16 - 18) = 2.23E-07

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 9.04E-07 Noncancer Dermal Intake = 7.81E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.8.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADOLESCENT COMMERCIAL RECEPTORS - SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Commercial	Adolescent	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	4	hours/day	(1), MDE, 2008	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	132	days/year	(1), MDE, 2008	
				ED	Exposure Duration (Age 6 - 16)	10	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(2), USEPA, 1989, 2005	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	CA = (1/PEF + 1/VF) x Cs
				AT-N	Averaging Time (Non-Cancer)	4,380	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - Assume on site 8 hours per day 132 days per year.

2 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 6 - 18) = 1.03E-02 Noncancer Inhalation Intake = 6.03E-02

Mutagenic Chemicals

Cancer Inhalation Intake (Age 6 - 16) = 8.61E-03

Cancer Inhalation Intake (Age 16 - 18) = 1.72E-03

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.9.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADULT COMMERCIAL RECEPTORS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Commercial	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	50	mg/day	MDE, 2008	
				CF3	Conversion Factor 3	1.0E-06	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	MDE, 2008	BW x AT
				EF	Exposure Frequency	250	days/year	MDE, 2008	
				ED	Exposure Duration (Age 16 - 30)	25	years	MDE, 2008	
				BW	Body Weight	70	kg	MDE, 2008	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	9,125	days	USEPA, 1989	
Dermal	Commercial	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	1.0E-06	kg/mg	--	
				SA	Skin Surface Available for Contact	3,300	cm2	MDE, 2008	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.2	mg/cm2/event	MDE, 2008	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	MDE, 2008	
				EF	Exposure Frequency	250	days/year	MDE, 2008	
				ED	Exposure Duration (Age 16 - 30)	25	years	MDE, 2008	
				BW	Body Weight	70	kg	MDE, 2008	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	9,125	days	USEPA, 1989	

Notes:

1 - Same as adult resident.

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 2002: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 16 - 30) = 1.75E-07 Cancer Dermal Intake (Age 16 - 30) = 2.31E-06

Mutagenic Chemicals

Cancer Ingestion Intake (Age 16 - 30) = 1.75E-07 Cancer Dermal Intake (Age 16 - 30) = 2.31E-06

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 4.89E-07 Noncancer Dermal Intake = 6.46E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.10.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADULT COMMERCIAL RECEPTORS - SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Commercial	Adult	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	8	hours/day	(1), MDE, 2008	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	250	days/year	(1), MDE, 2008	
				ED	Exposure Duration (Age 16 - 30)	25	years	(2), USEPA, 1989, 2005	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	CA = (1/PEF + 1/VF) x Cs
				AT-N	Averaging Time (Non-Cancer)	9125	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - Professional judgment. Assume on site 8 hours per day 250 days per year.

2 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 16 - 30) = 8.15E-02

Noncarcinogenic Chemicals

Noncancer Inhalation Intake = 2.28E-01

Mutagenic Chemicals

Cancer Inhalation Intake (Age 16 - 30) = 8.15E-02

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.11.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - CHILD RECREATIONAL USERS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Recreational User	Child	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	200	mg/day	USEPA, 1991	
				CF3	Conversion Factor 3	0.000001	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	(1)	BW x AT
				EF	Exposure Frequency	250	days/year	MDE, 2008	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	15	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2190	days	USEPA, 1989	
Dermal	Recreational User	Child	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	0.000001	kg/mg	--	
				SA	Skin Surface Available for Contact	2,800	cm2	USEPA, 2004	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.2	mg/cm2/event	USEPA, 2004	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2004	
				EF	Exposure Frequency	250	days/year	MDE, 2008	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	15	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2190	days	USEPA, 1989	

Notes:

1 - Same as child resident.

2 - Children will be evaluated as one age group (0 - 6 years) for non-mutagenic chemicals. For chemicals that act via the mutagenic mode of action, children recreational users will be evaluated as two age groups, 0 - 2 years and 2 - 6 years in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 1991: Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure Factors. OSWER Directive 9285.6-03.

USEPA, 2002: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 0 - 6) = 7.83E-07 Cancer Dermal Intake (Age 0 - 6) = 2.19E-06

Mutagenic Chemicals

Cancer Ingestion Intake (Age 0 - 2) = 2.61E-07 Cancer Dermal Intake (Age 0 - 2) = 7.31E-07

Cancer Ingestion Intake (Age 2 - 6) = 5.22E-07 Cancer Dermal Intake (Age 2 - 6) = 1.46E-06

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 9.13E-06 Noncancer Dermal Intake = 2.56E-05

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.12.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - CHILD RECREATIONAL USERS - SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Recreational User	Child	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	8	hours/day	(1)	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	250	days/year	(1)	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(2), USEPA, 1989, 2005	CA = (1/PEF + 1/VF) x Cs
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,190	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - Assume on site for 8 hours per day 250 days per year.

2 - Children will be evaluated as one age group (0 - 6 years) for non-mutagenic chemicals. For chemicals that act via the mutagenic mode of action, children recreational users will be evaluated as two age groups, 0 - 2 years and 2 - 6 years in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 0 - 6) = 1.96E-02 Noncancer Inhalation Intake = 2.28E-01

Mutagenic Chemicals

Cancer Inhalation Intake (Age 0 - 2) = 6.52E-03

Cancer Inhalation Intake (Age 2 - 6) = 1.30E-02

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.13.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADOLESCENT RECREATIONAL USERS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Recreational User	Adolescent	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	100	mg/day	USEPA, 1991	
				CF3	Conversion Factor 3	0.000001	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	(1)	BW x AT
				EF	Exposure Frequency	250	days/year	MDE, 2008	
				ED	Exposure Duration (Age 6 - 16)	10	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	40	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4380	days	USEPA, 1989	
Dermal	Recreational User	Adolescent	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	0.000001	kg/mg	--	
				SA	Skin Surface Available for Contact	4,320	cm2	USEPA, 2004	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.07	mg/cm2/event	USEPA, 2004	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2004	
				EF	Exposure Frequency	250	days/year	MDE, 2008	
				ED	Exposure Duration (Age 6 - 16)	10	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	40	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4380	days	USEPA, 1989	

Notes:

1 - Same as adolescent resident.

2 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 1991: Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure Factors. OSWER Directive 9285.6-03.

USEPA, 2002: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 6 - 18) = 2.94E-07 Cancer Dermal Intake (Age 6 - 18) = 8.88E-07

Mutagenic Chemicals

Cancer Ingestion Intake (Age 6 - 16) = 2.45E-07 Cancer Dermal Intake (Age 6 - 16) = 7.40E-07

Cancer Ingestion Intake (Age 16 - 18) = 4.89E-08 Cancer Dermal Intake (Age 16 - 18) = 1.48E-07

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 1.71E-06 Noncancer Dermal Intake = 5.18E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.14.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADOLESCENT RECREATIONAL USERS - SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Recreational User	Adolescent	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	8	hours/day	(1)	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	250	days/year	(1)	
				ED	Exposure Duration (Age 6 - 16)	10	years	(2), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(2), USEPA, 1989, 2005	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	CA = (1/PEF + 1/VF) x Cs
				AT-N	Averaging Time (Non-Cancer)	4,380	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - Assume on site for 8 hours per day 250 days per year.

2 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 6 - 18) = 3.91E-02 Noncancer Inhalation Intake = 2.28E-01

Mutagenic Chemicals

Cancer Inhalation Intake (Age 6 - 16) = 3.26E-02

Cancer Inhalation Intake (Age 16 - 18) = 6.52E-03

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.15.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADULT RECREATIONAL USERS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Recreational User	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	100	mg/day	USEPA, 1991	
				CF3	Conversion Factor 3	1.0E-06	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	(1)	BW x AT
				EF	Exposure Frequency	250	days/year	MDE, 2008	
				ED	Exposure Duration (Age 18 - 30)	12	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	70	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4,380	days	USEPA, 1989	
Dermal	Recreational User	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	1.0E-06	kg/mg	--	
				SA	Skin Surface Available for Contact	5,700	cm2	USEPA, 2004	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.07	mg/cm2/event	USEPA, 2004	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2004	
				EF	Exposure Frequency	250	days/year	MDE, 2008	
				ED	Exposure Duration (Age 18 - 30)	12	years	(2), USEPA, 1989, 2005	
				BW	Body Weight	70	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4,380	days	USEPA, 1989	

Notes:

1 - Same as adult resident.

2 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 1991: Risk Assessment Guidance for Superfund - Supplemental Guidance- Standard Default Exposure Factors Interim Final.

USEPA, 2002: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 18 - 30) = 1.68E-07 Cancer Dermal Intake (Age 18 - 30) = 6.69E-07

Mutagenic Chemicals

Cancer Ingestion Intake (Age 18 - 30) = 1.68E-07 Cancer Dermal Intake (Age 18 - 30) = 6.69E-07

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 9.78E-07 Noncancer Dermal Intake = 3.90E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.16.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADULT RECREATIONAL USERS - SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Recreational User	Adult	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	8	hours/day	(1)	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	250	days/year	(1)	
				ED	Exposure Duration (Age 18 - 30)	12	years	(2), USEPA, 1989, 2005	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	CA = (1/PEF + 1/VF) x Cs
				AT-N	Averaging Time (Non-Cancer)	4380	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - Professional judgment. Assume on site 8 hours per day 250 days per year.

2 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 18 - 30) = 3.91E-02

Noncarcinogenic Chemicals

Noncancer Inhalation Intake = 2.28E-01

Mutagenic Chemicals

Cancer Inhalation Intake (Age 18 - 30) = 3.91E-02

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.17.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - CHILD RESIDENTS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Resident	Child	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002a	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	200	mg/day	USEPA, 1991	
				CF3	Conversion Factor 3	1.0E-06	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	USEPA, 1991	BW x AT
				EF	Exposure Frequency	350	days/year	USEPA, 2002b	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(1), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(1), USEPA, 1989, 2005	
				BW	Body Weight	15	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,190	days	USEPA, 1989	
Dermal	Resident	Child	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	1E-06	kg/mg	--	
				SA	Skin Surface Available for Contact	2,800	cm2	USEPA, 2004	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.2	mg/cm2/event	USEPA, 2004	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2004	
				EF	Exposure Frequency	350	days/year	USEPA, 2002b	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(1), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(1), USEPA, 1989, 2005	
				BW	Body Weight	15	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2,190	days	USEPA, 1989	

Notes:

1 - Children will be evaluated as one age group (0 - 6 years) for non-mutagenic chemicals. For chemicals that act via the mutagenic mode of action, residential children will be evaluated as two age groups, 0 - 2 years and 2 - 6 years in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 1991: Risk Assessment Guidance for Superfund - Supplemental Guidance- Standard Default Exposure Factors Interim Final.

USEPA, 2002a:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2002b: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 0 - 6) = 1.10E-06 Cancer Dermal Intake (Age 0 - 6) = 3.07E-06

Mutagenic Chemicals

Cancer Ingestion Intake (Age 0 - 2) = 3.65E-07 Cancer Dermal Intake (Age 0 - 2) = 1.02E-06

Cancer Ingestion Intake (Age 2 - 6) = 7.31E-07 Cancer Dermal Intake (Age 2 - 6) = 2.05E-06

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 1.28E-05 Noncancer Dermal Intake = 3.58E-05

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.18.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - CHILD RESIDENTS SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Resident	Child	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	24	hours/day	USEPA, 1991	$\frac{CA \times ET \times EF \times ED}{AT \times 24 \text{ hours/day}}$
				EF	Exposure Frequency	350	days/year	USEPA, 1994	
				ED1	Exposure Duration (Age 0 - 2)	2	years	(1), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 2 - 6)	4	years	(1), USEPA, 1989, 2005	CA = (1/PEF + 1/VF) x Cs
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	2190	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - Children will be evaluated as one age group (0 - 6 years) for non-mutagenic chemicals. For chemicals that act via the mutagenic mode of action, residential children will be evaluated as two age groups, 0 - 2 years and 2 - 6 years in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 1991: Risk Assessment Guidance for Superfund - Supplemental Guidance- Standard Default Exposure Factors Interim Final.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 0 - 6) = 8.22E-02

Noncarcinogenic Chemicals

Noncancer Inhalation Intake = 1.92E+00

Mutagenic Chemicals

Cancer Inhalation Intake (Age 0 - 2) = 2.74E-02

Cancer Inhalation Intake (Age 2 - 6) = 5.48E-02

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.19.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADOLESCENT RESIDENTS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Resident	Adolescent	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002a	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	100	mg/day	USEPA, 1991	
				CF3	Conversion Factor 3	1.0E-06	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	USEPA, 1991	BW x AT
				EF	Exposure Frequency	350	days/year	USEPA, 2002b	
				ED	Exposure Duration (Age 6 - 16)	10	years	(1), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(1), USEPA, 1989, 2005	
				BW	Body Weight	40	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4,380	days	USEPA, 1989	
Dermal	Resident	Adolescent	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	1E-06	kg/mg	--	
				SA	Skin Surface Available for Contact	4,320	cm2	MDE, 2008	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.1	mg/cm2/event	USEPA, 2004	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2004	
				EF	Exposure Frequency	350	days/year	USEPA, 2002b	
				ED	Exposure Duration (Age 6 - 16)	10	years	(1), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(1), USEPA, 1989, 2005	
				BW	Body Weight	40	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4,380	days	USEPA, 1989	

Notes:

1 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

MDE, 2008: Cleanup Standards for Soil and Groundwater. Interim Final Guidance, June.

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. EPA/540/1-86/060.

USEPA, 1991: Risk Assessment Guidance for Superfund - Supplemental Guidance- Standard Default Exposure Factors Interim Final.

USEPA, 2002a:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2002b: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 6 - 18) = 4.11E-07 Cancer Dermal Intake (Age 6 - 18) = 1.24E-06

Mutagenic Chemicals

Cancer Ingestion Intake (Age 6 - 16) = 3.42E-07 Cancer Dermal Intake (Age 6 - 16) = 1.04E-06

Cancer Ingestion Intake (Age 16 - 18) = 6.85E-08 Cancer Dermal Intake (Age 16 - 18) = 2.07E-07

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 2.40E-06 Noncancer Dermal Intake = 7.25E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.20.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADOLESCENT RESIDENTS SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Resident	Adolescent	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	24	hours/day	USEPA, 1991	CA x ET x EF x ED
				EF	Exposure Frequency	350	days/year	USEPA, 2002a	AT x 24 hours/day
				ED	Exposure Duration (Age 6 - 16)	10	years	(1), USEPA, 1989, 2005	
				ED2	Exposure Duration (Age 16 - 18)	2	years	(1), USEPA, 1989, 2005	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	CA = (1/PEF + 1/VF) x Cs
				AT-N	Averaging Time (Non-Cancer)	4380	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	

Notes:

1 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 1991: Risk Assessment Guidance for Superfund - Supplemental Guidance- Standard Default Exposure Factors Interim Final.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 6 - 18) = 1.64E-01

Noncarcinogenic Chemicals

Noncancer Inhalation Intake = 1.92E+00

Mutagenic Chemicals

Cancer Inhalation Intake (Age 6 - 16) = 1.37E-01

Cancer Inhalation Intake (Age 16 - 18) = 2.74E-02

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 4.21.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADULT RESIDENTS - SOILS

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Resident	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002a	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	100	mg/day	USEPA, 1991	
				CF3	Conversion Factor 3	1.0E-06	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	USEPA, 1991	BW x AT
				EF	Exposure Frequency	350	days/year	USEPA, 2002b	
				ED	Exposure Duration (Age 18 - 30)	12	years	(1), USEPA, 1989, 2005	
				BW	Body Weight	70	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4,380	days	USEPA, 1989	
Dermal	Resident	Adult	Tax Block Soils	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	1.0E-06	kg/mg	--	
				SA	Skin Surface Available for Contact	5,700	cm2	USEPA, 2004	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.07	mg/cm2/event	USEPA, 2004	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2004	
				EF	Exposure Frequency	350	days/year	USEPA, 2002b	
				ED	Exposure Duration (Age 18 - 30)	12	years	(1), USEPA, 1989, 2005	
				BW	Body Weight	70	kg	USEPA, 1989	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	
				AT-N	Averaging Time (Non-Cancer)	4,380	days	USEPA, 1989	

Notes:

1 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A.

USEPA, 1991: Risk Assessment Guidance for Superfund - Supplemental Guidance- Standard Default Exposure Factors Interim Final.

USEPA, 1993: Superfund Standard Default Exposure Factors for the Central Tendency and Reasonable Maximum Exposure.

USEPA, 2002:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2002b: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Non-Mutagenic Chemicals

Cancer Ingestion Intake (Age 18 - 30) = 2.35E-07 Cancer Dermal Intake (Age 18 - 30) = 9.37E-07

Mutagenic Chemicals

Cancer Ingestion Intake (Age 18 - 30) = 2.35E-07 Cancer Dermal Intake (Age 18 - 30) = 9.37E-07

Noncarcinogenic Chemicals

Noncancer Ingestion Intake = 1.37E-06 Noncancer Dermal Intake = 5.47E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.22.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - ADULT RESIDENTS - SOILS TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Resident	Adult	Tax Block Soils	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	24	hours/day	USEPA, 1991	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	350	days/year	USEPA, 2002a	
				ED	Exposure Duration (Age 18 - 30)	12	years	(1), USEPA, 1989, 2005	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 1989	$CA = (1/PEF + 1/VF) \times Cs$
				AT-N	Averaging Time (Non-Cancer)	4380	days	USEPA, 1989	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA 2010	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	$PEF = \frac{Q/C \times 3600}{0.036 \times (1-V) \times (U_m/U_t)^3 \times F(x)}$
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA 2010	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA 2010	$F(x) = 0.18 * (8x^3 + 12x) * \exp(-x^2)$
				Um	Mean annual wind speed	4.29	m/sec	USEPA 2010	
				V	Fraction of vegetative cover	0.5	unitless	USEPA 2010	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA 2010	$x = 0.886 * Ut / Um$

Notes:

1 - For chemicals that act via the mutagenic mode of action the intake will be multiplied by the appropriate age-dependent adjustment factor in accordance with USEPA's Supplemental Guidance of Assessing Susceptibility from Early-Life Exposure to Carcinogens (USEPA, 2005).

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A. USEPA/540/1-86/060.

USEPA, 1991: Risk Assessment Guidance for Superfund - Supplemental Guidance- Standard Default Exposure Factors Interim Final.

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b: Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10.

USEPA, 2010: Soil Screening Guidance calculation Internet site at http://risk.lsd.ornl.gov/calc_start.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Non-Mutagenic Chemicals

Cancer Inhalation Intake (Age 18 - 30) = 1.64E-01

Noncarcinogenic Chemicals

Noncancer Inhalation Intake = 9.59E-01

Mutagenic Chemicals

Cancer Inhalation Intake (Age 18 - 30) = 1.64E-01

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

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NON-CANCER TOXICITY DATA

Table No.

5.1 Non-Cancer Toxicity Data - Oral/Dermal
5.2 Non-Cancer Toxicity Data - Inhalation

Table 5.1

Non-Cancer Toxicity Data -- Oral/Dermal
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
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Chemical of Potential Concern	Chronic/ Subchronic	Oral RfD		Oral Absorption Efficiency for Dermal[1]	Absorbed RfD for Dermal[2]		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfD:Target Organ(s)	
		Value	Units		Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Volatile Organic Compounds										
1,2,3-Trichlorobenzene	Subchronic	8.00E-03	mg/kg/day	1	8.0E-03	mg/kg/day	Body Weight	1000/1	PPRTV	9/11/2009
	Chronic	8.0E-04	mg/kg/day	1	8.0E-04	mg/kg/day	Adrenals	NA	PPRTV	9/11/2009
1,2,4-Trichlorobenzene	Subchronic	9.0E-02	mg/kg/day	1	9.0E-02	mg/kg/day	Liver	100/1	PPRTV	6/16/2009
	Chronic	1.0E-02	mg/kg/day	1	1.0E-02	mg/kg/day	Adrenals	1000/1	IRIS	04/08/2011
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	Chronic	7.0E-02	mg/kg/day	1	7.0E-02	mg/kg/day	Liver	NA	ATSDR	07/2006
Polycyclic Aromatic Hydrocarbons										
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	Chronic	2.0E-02	mg/kg/day	1	2.0E-02	mg/kg/day	Body Weight	3000/1	IRIS	04/08/2011
Polychlorinated Biphenyls										
Aroclor-1254	Chronic	2.0E-05	mg/kg/day	1	2.0E-05	mg/kg/day	Autoimmune	300/1	IRIS	04/08/2011
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals										
Antimony	Subchronic	4.0E-04	mg/kg/day	0.15	6.0E-05	mg/kg/day	Blood	1000/1	PPRTV	7/29/2008
	Chronic	4.0E-04	mg/kg/day	0.15	6.0E-05	mg/kg/day	Blood	1000/1	IRIS	04/08/2011
Arsenic	Chronic	3.0E-04	mg/kg/day	1	3.0E-04	mg/kg/day	Skin, CVS	3/1	IRIS	04/08/2011
Cadmium[3]	Chronic	1.0E-03	mg/kg/day	0.03	2.5E-05	mg/kg/day	Kidney	10/1	IRIS	04/08/2011
Cobalt	Subchronic	3.0E-03	mg/kg/day	1	3.0E-03	mg/kg/day	Thyroid	300/1	PPRTV	8/25/208
	Chronic	3.0E-04	mg/kg/day	1	3.0E-04	mg/kg/day	Blood	NA	PPRTV	8/25/2008
Iron	Subchronic	7.0E-01	mg/kg/day	1	7.0E-01	mg/kg/day	GS	1.5	PPRTV	9/11/2006
	Chronic	7.0E-01	mg/kg/day	1	7.0E-01	mg/kg/day	GS	1.5	PPRTV	9/11/2006
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese[4]	Chronic	1.4E-01	mg/kg/day	1.00	1.4E-01	mg/kg/day	CNS	1	IRIS	04/08/2011
Mercury[5]	Chronic	3.0E-04	mg/kg/day	0.07	2.1E-05	mg/kg/day	Autoimmune	1000/1	IRIS	04/08/2011
Molybdenum	Chronic	5.0E-03	mg/kg/day	1	5.0E-03	mg/kg/day	Gout	30/1	IRIS	04/08/2011
Nickel	Chronic	2.0E-02	mg/kg/day	0.04	8.0E-04	mg/kg/day	Body Weight	300/1	IRIS	04/08/2011
Vanadium	Subchronic	1.0E-02	mg/kg/day	1	1.0E-02	mg/kg/day	Kidney	10	ATSDR	9/2009
	Chronic	5.0E-03	mg/kg/day	1	5.0E-03	mg/kg/day	Kidney	300	RSL	11/2010
Petroleum Hydrocarbons										
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters										
Hexavalent Chromium	Chronic	3.0E-03	mg/kg/day	0.025	7.5E-05	mg/kg/day	None Reported	300/3	IRIS	04/08/2011

Table 5.1

Non-Cancer Toxicity Data -- Oral/Dermal
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - U.S. EPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Interim. EPA/540/R/99/005.
2 - Adjusted dermal RfD = Oral RfD x Oral Absorption Efficiency for Dermal.
3 - Values are for cadmium - diet.
4 - Values are for manganese - diet.
5 - Values are for mercuric chloride.

Definitions:
ATSDR = Agency for Toxic Substances and Disease Registry
CNS = Central Nervous System.
CVS = Cardiovascular system.
GS = Gastrointestinal.
IRIS = Integrated Risk Information System.
NA = Not available.
RSL = USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2010.
PPRTV = Provisional Peer Reviewed Toxicity Value.

Table 5.2

Non-Cancer Toxicity Data -- Inhalation
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
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Chemical of Potential Concern	Chronic/ Subchronic	Inhalation RfC		Extrapolated RfD[1]		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfC : Target Organ(s)	
		Value	Units	Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Volatile Organic Compounds									
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	Subchronic	2.0E-02	mg/m^3	5.7E-03	(mg/kg/day)	Urinary Tract	NA	PPRTV	6/17/2009
	Chronic	2.0E-03	mg/m^3	5.7E-04	(mg/kg/day)	Adrenals	NA	PPRTV	6/17/2009
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	Subchronic	1.2E+00	mg/m^3	3.4E-01	(mg/kg/day)	Liver	NA	ATSDR	07/2006
	Chronic	8.0E-01	mg/m^3	2.3E-01	(mg/kg/day)	Liver	100/1	IRIS	04/08/2011
Polycyclic Aromatic Hydrocarbons									
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	Chronic	3.0E-03	mg/m^3	8.6E-04	(mg/kg/day)	Respiratory	3000/1	IRIS	04/08/2011
Polychlorinated Biphenyls									
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals									
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	Chronic	1.5E-05	mg/m3	4.3E-06	(mg/kg/day)	NA	NA	Cal EPA	11/2010
Cadmium	Chronic	1.0E-05	mg/m3	2.9E-06	(mg/kg/day)	Kidney	NA	ATSDR	9/2008
Cobalt	Chronic	6.0E-06	mg/m^3	1.7E-06	(mg/kg/day)	Lungs	NA	PPRTV	8/25/2008
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	Chronic	5.0E-05	mg/m^3	1.4E-05	(mg/kg/day)	CNS	1000/1	IRIS	04/08/2011
Mercury[2]	Chronic	3.0E-05	mg/m^3	8.6E-06	(mg/kg/day)	Autoimmune	NA	Cal EPA	11/2010
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	Chronic	9.0E-05	mg/m^3	2.6E-05	(mg/kg/day)	Body Weight	NA	ASTDR	9/2005
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5.2

Non-Cancer Toxicity Data -- Inhalation
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
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Chemical of Potential Concern	Chronic/ Subchronic	Inhalation RfC		Extrapolated RfD(1)		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfC : Target Organ(s)	
		Value	Units	Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Petroleum Hydrocarbons									
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters									
Hexavalent Chromium	Chronic	1.0E-04	mg/m^3	2.9E-05	(mg/kg/day)	Lungs	300/1	IRIS	04/08/2011

Notes:
1 - Extrapolated RfD = RfC *20m^3/day / 70 kg
2 - Value is for mercuric chloride.
Definitions:
ATSDR = Agency for Toxic Substances and Disease Registry.
Cal EPA = California Environmental Protection Agency.
CNS = Central Nervous System.
IRIS = Integrated Risk Information System.
NA = Not available.
PPRTV = Provisional Peer Reviewed Toxicity Value.

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CANCER TOXICITY DATA

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6.1 Cancer Toxicity Data - Oral/Dermal
6.2 Cancer Toxicity Data - Inhalation

Table 6.1

Cancer Toxicity Data -- Oral/Dermal
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland
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Chemical of Potential Concern	Oral Cancer Slope Factor		Oral Absorption Efficiency for Dermal[1]	Absorbed Cancer Slope Factor for Dermal[2]		Weight of Evidence/ Cancer Guideline Description	Oral CSF	
	Value	Units		Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Volatile Organic Compounds								
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	2.9E-02	$(mg/kg/day)^{-1}$	1	2.9E-02	$(mg/kg/day)^{-1}$	NA	PPRTV	6/17/2009
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	5.4E-03	$(mg/kg/day)^{-1}$	1	5.4E-03	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Polycyclic Aromatic Hydrocarbons								
Benzo(a)anthracene[3]	7.3E-01	$(mg/kg/day)^{-1}$	1	7.3E-01	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Benzo(a)pyrene[3]	7.3E+00	$(mg/kg/day)^{-1}$	1	7.3E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	IRIS	04/08/2011
Benzo(b)fluoranthene[3]	7.3E-01	$(mg/kg/day)^{-1}$	1	7.3E-01	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Benzo(k)fluoranthene[3]	7.3E-02	$(mg/kg/day)^{-1}$	1	7.3E-02	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Chrysene[3]	7.3E-03	$(mg/kg/day)^{-1}$	1	7.3E-03	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Dibenzo(a,h)anthracene[3]	7.3E+00	$(mg/kg/day)^{-1}$	1	7.3E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Indeno(1,2,3-cd)pyrene[3]	7.3E-01	$(mg/kg/day)^{-1}$	1	7.3E-01	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	7/1993
Naphthalene	NA	NA	NA	NA	NA	C / Possible human carcinogen	IRIS	04/08/2011
Polychlorinated Biphenyls								
Aroclor-1254	2.0E+00	$(mg/kg/day)^{-1}$	1	2.0E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(2)	9/1996
Aroclor-1260	2.0E+00	$(mg/kg/day)^{-1}$	1	2.0E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(2)	9/1996
Metals								
Antimony	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	1.5E+00	$(mg/kg/day)^{-1}$	1	1.5E+00	$(mg/kg/day)^{-1}$	A / Known human carcinogen	IRIS	04/08/2011
Cadmium	NA	NA	NA	NA	NA	B1 / Probable human carcinogen	IRIS	04/08/2011
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	B2 / Probable human carcinogen	IRIS	04/08/2011
Manganese	NA	NA	NA	NA	NA	D / Not classifiable as to human carcinogenicity	IRIS	04/08/2011
Mercury	NA	NA	NA	NA	NA	C / Possible human carcinogen	IRIS	04/08/2011
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA
Petroleum Hydrocarbons								
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters								
Hexavalent Chromium[3]	5.0E-01	$(mg/kg/day)^{-1}$	0.025	2.0E+01	$(mg/kg/day)^{-1}$	A / Known human carcinogen	NJ	11/2010

Table 6.1

Cancer Toxicity Data -- Oral/Dermal
Tax Block Soils
Lockheed Martin, Middle River Complex
Middle River, Maryland

Notes:
1 - USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Interim. EPA/540/R/99/005.
2 - Adjusted cancer slope factor for dermal = Oral cancer slope factor / Oral Absorption Efficiency for Dermal.
3 - Several PAHs and hexavalent chromium are considered to act via the mutagenic mode of action. These chemicals are evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
Cal EPA = California Environmental Protection Agency.
IRIS = Integrated Risk Information System.
NA = Not available.
NJ = New Jersey.
PPRTV = Provisional Peer Reviwed Toxicity Value.
USEPA(1) = OSWER Directive No.9285.7-75.
USEPA(2) = USEPA, PCBs: Cancer Dose-Response Assessment and Applications to Environmental Mixtures, September 1996, EPA/600/P-96/001F.

Table 6.2

Cancer Toxicity Data -- Inhalation
Tax Blocks Soil
Lockheed Martin, Middle River Complex
Middle River, Maryland
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Chemical of Potential Concern	Unit Risk		Inhalation Cancer Slope Factor[1]		Weight of Evidence/ Cancer Guideline Description	Unit Risk : Inhalation CSF	
	Value	Units	Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Volatile Organic Compounds							
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	1.1E-05	$(ug/m^3)^{-1}$	3.9E-02	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Polycyclic Aromatic Hydrocarbons							
Benzo(a)anthracene[2]	1.1E-04	$(ug/m^3)^{-1}$	3.9E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Benzo(a)pyrene[2]	1.1E-03	$(ug/m^3)^{-1}$	3.9E+00	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Benzo(b)fluoranthene[2]	1.1E-04	$(ug/m^3)^{-1}$	3.9E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Benzo(k)fluoranthene[2]	1.1E-04	$(ug/m^3)^{-1}$	3.9E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Chrysene[2]	1.1E-05	$(ug/m^3)^{-1}$	3.9E-02	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Dibenzo(a,h)anthracene[2]	1.2E-03	$(ug/m^3)^{-1}$	4.2E+00	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Indeno(1,2,3-cd)pyrene[2]	1.1E-04	$(ug/m^3)^{-1}$	3.9E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010
Naphthalene	3.4E-05	$(ug/m3)^{-1}$	1.2E-01	$(mg/kg/day)^{-1}$	C / Possible Human Carcinogen	Cal EPA	11/2010
Polychlorinated Biphenyls							
Aroclor-1254	5.7E-04	$(ug/m^3)^{-1}$	2.0E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	9/1996
Aroclor-1260	5.7E-04	$(ug/m^3)^{-1}$	2.0E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	USEPA(1)	9/1996
Metals							
Antimony	NA	NA	NA	NA	NA	NA	NA
Arsenic	4.3E-03	$(ug/m^3)^{-1}$	1.5E+01	$(mg/kg/day)^{-1}$	A / Known human carcinogen	IRIS	04/08/2011
Cadmium	1.8E-03	$(ug/m^3)^{-1}$	6.3E+00	$(mg/kg/day)^{-1}$	B1 / Probable human carcinogen	IRIS	04/08/2011
Cobalt	9.0E-03	$(ug/m^3)^{-1}$	3.2E+01	$(mg/kg/day)^{-1}$	NA	PPRTV	8/25/2008
Iron	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	B2 / Probable human carcinogen	IRIS	04/08/2011
Manganese	NA	NA	NA	NA	D / Not classifiable as to human carcinogenicity	IRIS	04/08/2011
Mercury	NA	NA	NA	NA	C / Possible human carcinogen	IRIS	04/08/2011
Molybdenum	NA	NA	NA	NA	NA	NA	NA
Nickel	2.6E-04	$(ug/m^3)^{-1}$	9.1E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	11/2010

Table 6.2

Cancer Toxicity Data -- Inhalation
Tax Blocks Soil
Lockheed Martin, Middle River Complex
Middle River, Maryland

Chemical of Potential Concern	Unit Risk		Inhalation Cancer Slope Factor[1]		Weight of Evidence/ Cancer Guideline Description	Unit Risk : Inhalation CSF	
	Value	Units	Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Metals (Continued)							
Vanadium	NA	NA	NA	NA	NA	NA	NA
Petroleum Hydrocarbons							
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters							
Hexavalent Chromium[2]	8.4E-02	$(ug/m^3)^{-1}$	2.9E+02	$(mg/kg/day)^{-1}$	A / Known human carcinogen	IRIS	04/08/2011

Notes:

1 - Inhalation CSF = Unit Risk * 70 kg / $20m^3$/day.

2 - Several PAHs and hexavalent chromium are considered to act via the mutagenic mode of action. These chemicals are evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

Definitions:

Cal EPA = California Environmental Protection Agency.

IRIS = Integrated Risk Information System.

NA = Not available.

PPRTV = Provisional Peer Reviewed Toxicity Value.

USEPA(1) = USEPA, PCBs: Cancer Dose-Response Assessment and Applications to Environmental Mixtures, September 1996, EPA/600/P-96/001F.

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CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

Table No.	REASONABLE MAXIMUM EXPOSURES
7.1.RME	Construction Worker
7.2.RME	Industrial Worker
7.3.RME	Child Commercial Receptor
7.4.RME	Adolescent Commercial Receptor
7.5.RME	Adult Commercial Receptor
7.6.RME	Child Recreational User
7.7.RME	Adolescent Recreational User
7.8.RME	Adult Recreational User
7.9.RME	Child Resident
7.10.RME	Adolescent Resident
7.11.RME	Adult Resident

Note: Tables are block-specific.

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	2.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.9E-06	1.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	1.3E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.7E-09	9.4E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	3.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.006
				ARSENIC	3.50	mg/kg	2.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.5E-07	1.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				CADMIUM	0.150	mg/kg	1.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0007
				COBALT	10.7	mg/kg	7.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.02
				IRON	16,300	mg/kg	1.1E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	20.6	mg/kg	1.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	6.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.003
				MERCURY	0.250	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				MOLYBDENUM	0.450	mg/kg	3.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				NICKEL	14.6	mg/kg	9.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.9E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.003
				VANADIUM	25.6	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	550	mg/kg	3.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	5.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	5.8E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.9E-08	4.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								2.2E-06					0.2
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	6.8E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.0E-07	4.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	3.9E-10	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.7E-10	2.7E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	6.6E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0008
				ARSENIC	3.50	mg/kg	1.4E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-08	1.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				CADMIUM	0.150	mg/kg	2.1E-11	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00006
				COBALT	10.7	mg/kg	1.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
				IRON	16,300	mg/kg	2.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.7E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00006
				MERCURY	0.250	mg/kg	3.4E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				MOLYBDENUM	0.450	mg/kg	6.2E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000009
				NICKEL	14.6	mg/kg	2.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.002
				VANADIUM	25.6	mg/kg	3.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	1.2E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.4E-08	8.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								5.4E-07					0.01
		Exposure Point Total									2.8E-06					0.2
	Exposure Medium Total										2.8E-06					0.2

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	2.7E-6	mg/m^3	8.7E-09	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	9.5E-09	6.1E-07	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	1.4E-8	mg/m^3	4.6E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.6E-11	3.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	3.4E-7	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-6	mg/m^3	8.0E-09	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.4E-08	5.6E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.04
				CADMIUM	1.0E-7	mg/m^3	3.4E-10	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	6.2E-10	2.4E-08	(mg/m^3)	1.0E-05	(mg/m^3)	0.002
				COBALT	7.5E-6	mg/m^3	2.4E-08	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.2E-07	1.7E-06	(mg/m^3)	6.0E-06	(mg/m^3)	0.3
				IRON	0.011	mg/m^3	3.7E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.6E-03	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.4E-5	mg/m^3	4.7E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-06	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	6.3E-5	mg/m^3	2.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-05	(mg/m^3)	5.0E-05	(mg/m^3)	0.3
				MERCURY	1.7E-7	mg/m^3	5.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.0E-08	(mg/m^3)	3.0E-05	(mg/m^3)	0.001
				MOLYBDENUM	3.1E-7	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	1.0E-5	mg/m^3	3.3E-08	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	8.7E-09	2.3E-06	(mg/m^3)	9.0E-05	(mg/m^3)	0.03
				VANADIUM	1.8E-5	mg/m^3	5.8E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	3.8E-4	mg/m^3	1.3E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.8E-05	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	5.7E-7	mg/m^3	1.8E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-07	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	6.1E-7	mg/m^3	2.0E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.7E-07	1.4E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.001
			Exp. Route Total								4.4E-07					0.6
		Exposure Point Total									4.4E-07					0.6
	Exposure Medium Total										4.4E-07					0.6
Medium Total											3.2E-06					0.9

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0009
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	4.4E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.2E-07	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	1.6E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.2E-08	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	3.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.6E-07	2.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				COBALT	11.7	mg/kg	7.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.02
				IRON	30,900	mg/kg	2.1E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.2
				LEAD	22.9	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	4.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.002
				MERCURY	0.180	mg/kg	1.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				VANADIUM	42.2	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	40.3	mg/kg	2.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	9.4E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.7E-08	6.6E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								8.6E-07					0.3
			Dermal	NAPHTHALENE	4.00	mg/kg	7.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.2E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.5E-08	8.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	4.6E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.2E-09	3.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.9E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.8E-08	1.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				COBALT	11.7	mg/kg	1.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
				IRON	30,900	mg/kg	4.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.004
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	9.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.180	mg/kg	2.5E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0008
				VANADIUM	42.2	mg/kg	5.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	1.9E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.9E-08	1.3E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								1.6E-07					0.01
		Exposure Point Total									1.0E-06					0.3
	Exposure Medium Total										1.0E-06					0.3

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	0.000	mg/m^3	1.5E-06	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	5.1E-08	1.0E-04	(mg/m^3)	3.0E-03	(mg/m^3)	0.03
				BENZO(A)PYRENE EQUIVALENTS	4.5E-7	mg/m^3	1.5E-09	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.6E-09	1.0E-07	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	1.7E-7	mg/m^3	5.5E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.1E-10	3.8E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	3.2E-6	mg/m^3	1.0E-08	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	4.5E-08	7.3E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.05
				COBALT	8.2E-6	mg/m^3	2.7E-08	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.4E-07	1.9E-06	(mg/m^3)	6.0E-06	(mg/m^3)	0.3
				IRON	0.022	mg/m^3	7.0E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.9E-03	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.6E-5	mg/m^3	5.2E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-06	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	4.7E-5	mg/m^3	1.5E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-05	(mg/m^3)	5.0E-05	(mg/m^3)	0.2
				MERCURY	1.3E-7	mg/m^3	4.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.9E-08	(mg/m^3)	3.0E-05	(mg/m^3)	0.0010
				VANADIUM	3.0E-5	mg/m^3	9.6E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.7E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-5	mg/m^3	9.2E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-06	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.7E-7	mg/m^3	5.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	9.8E-7	mg/m^3	3.2E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.7E-07	2.2E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.002
			Exp. Route Total								6.1E-07					0.6
		Exposure Point Total									6.1E-07					0.6
	Exposure Medium Total										6.1E-07					0.6
Medium Total											1.6E-06					1.0

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	6.6E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.8E-06	1.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	3.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.0E-09	9.8E-09	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	8.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.0006
				ARSENIC	3.50	mg/kg	6.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.2E-07	1.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				CADMIUM	0.150	mg/kg	2.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-08	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.00007
				COBALT	10.7	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				IRON	16,300	mg/kg	2.8E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	20.6	mg/kg	3.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0003
				MERCURY	0.250	mg/kg	4.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0004
				MOLYBDENUM	0.450	mg/kg	7.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00004
				NICKEL	14.6	mg/kg	2.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.1E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0004
				VANADIUM	25.6	mg/kg	4.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	550	mg/kg	9.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	1.5E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	7.6E-08	4.3E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0001
			Exp. Route Total								5.8E-06					0.04
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	1.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.3E-06	3.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	6.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-08	1.8E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0005
				ARSENIC	3.50	mg/kg	2.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-07	6.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	0.150	mg/kg	3.5E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-10	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00004
				COBALT	10.7	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	16,300	mg/kg	3.8E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00004
				MERCURY	0.250	mg/kg	5.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0008
				MOLYBDENUM	0.450	mg/kg	1.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000006
				NICKEL	14.6	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	25.6	mg/kg	5.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	2.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	4.0E-07	5.6E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0007
			Exp. Route Total								9.1E-06					0.010
		Exposure Point Total									1.5E-05					0.05
	Exposure Medium Total										1.5E-05					0.05

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	9.6E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.1E-10	2.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	5.0E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.9E-13	1.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	1.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	8.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.8E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	4.6E-11	mg/m^3	3.8E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	6.8E-12	1.1E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	3.3E-9	mg/m^3	2.7E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.4E-09	7.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.0E-6	mg/m^3	4.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	5.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	2.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	7.7E-11	mg/m^3	6.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				MOLYBDENUM	1.4E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	3.7E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	9.6E-11	1.0E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00001
				VANADIUM	7.9E-9	mg/m^3	6.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	1.4E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	2.0E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	2.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.8E-09	6.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000006
			Exp. Route Total								4.9E-09					0.0003
		Exposure Point Total									4.9E-09					0.0003
	Exposure Medium Total										4.9E-09					0.0003
Medium Total											1.5E-05					0.05

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00010
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.3E-07	3.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	4.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.4E-08	1.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	8.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.2E-06	2.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				COBALT	11.7	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				IRON	30,900	mg/kg	5.4E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	22.9	mg/kg	4.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0002
				MERCURY	0.180	mg/kg	3.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.8E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0003
				VANADIUM	42.2	mg/kg	7.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.004
				DIESEL RANGE ORGANICS	40.3	mg/kg	7.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	4.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	2.4E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.2E-07	6.8E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								2.2E-06					0.05
			Dermal	NAPHTHALENE	4.00	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.4E-06	5.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	7.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.5E-07	2.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	3.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.8E-07	8.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	11.7	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	30,900	mg/kg	7.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.003
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.180	mg/kg	4.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0006
				VANADIUM	42.2	mg/kg	9.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	3.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.5E-07	9.0E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								2.7E-06					0.01
		Exposure Point Total									4.9E-06					0.06
	Exposure Medium Total										4.9E-06					0.06

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	5.1E-06	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.7E-07	1.4E-05	(mg/m^3)	3.0E-03	(mg/m^3)	0.005
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	1.6E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.8E-11	4.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	6.1E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.5E-12	1.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	1.2E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	5.0E-10	3.3E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	3.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.7E-09	8.3E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	9.6E-6	mg/m^3	7.8E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	5.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	1.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00010
				MERCURY	5.6E-11	mg/m^3	4.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				VANADIUM	1.3E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	6.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	3.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.0E-09	9.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000010
			Exp. Route Total								1.8E-07					0.005
		Exposure Point Total									1.8E-07					0.005
	Exposure Medium Total										1.8E-07					0.005
Medium Total											5.1E-06					0.07

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	8.4E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.1E-05	1.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	8.3E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.7E-08	9.6E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.006
				ARSENIC	3.50	mg/kg	1.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-06	1.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				CADMIUM	0.150	mg/kg	6.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.2E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0007
				COBALT	10.7	mg/kg	4.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				IRON	16,300	mg/kg	6.7E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	20.6	mg/kg	8.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	3.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.003
				MERCURY	0.250	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				MOLYBDENUM	0.450	mg/kg	1.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				NICKEL	14.6	mg/kg	6.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.004
				VANADIUM	25.6	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	550	mg/kg	2.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	3.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	1.9E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	9.6E-07	4.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								6.4E-05					0.4
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	2.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.9E-05	5.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	2.7E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.4E-09	3.2E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	4.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0009
				ARSENIC	3.50	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-07	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				CADMIUM	0.150	mg/kg	1.5E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00007
				COBALT	10.7	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				IRON	16,300	mg/kg	1.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.003
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	8.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00007
				MERCURY	0.250	mg/kg	2.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				MOLYBDENUM	0.450	mg/kg	4.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00001
				NICKEL	14.6	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.002
				VANADIUM	25.6	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	4.5E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	9.0E-07	9.9E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								2.0E-05					0.02
		Exposure Point Total									8.4E-05					0.4
	Exposure Medium Total										8.4E-05					0.4

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	3.2E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	3.6E-11	7.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	3.2E-14	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.8E-14	3.7E-13	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	7.7E-13	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	5.6E-12	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	2.4E-11	6.5E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				CADMIUM	4.6E-11	mg/m^3	2.4E-13	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	4.3E-13	2.8E-12	(mg/m^3)	1.0E-05	(mg/m^3)	0.0000003
				COBALT	3.3E-9	mg/m^3	1.7E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.5E-10	2.0E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00003
				IRON	5.0E-6	mg/m^3	2.6E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.0E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	3.3E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	1.4E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00003
				MERCURY	7.7E-11	mg/m^3	4.0E-13	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.7E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000002
				MOLYBDENUM	1.4E-10	mg/m^3	7.2E-13	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	2.3E-11	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	6.1E-12	2.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000003
				VANADIUM	7.9E-9	mg/m^3	4.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	8.8E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	1.3E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	7.4E-12	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	6.2E-10	1.6E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								8.4E-10					0.00007
		Exposure Point Total									8.4E-10					0.00007
	Exposure Medium Total										8.4E-10					0.00007
Medium Total											8.4E-05					0.4

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0010
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.4E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.0E-05	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	9.9E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.0E-07	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.9E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.9E-06	2.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				COBALT	11.7	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				IRON	30,900	mg/kg	1.3E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.2
				LEAD	22.9	mg/kg	9.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.002
				MERCURY	0.180	mg/kg	7.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				VANADIUM	42.2	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.04
				DIESEL RANGE ORGANICS	40.3	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	3.1E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.5E-06	6.8E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								1.5E-05					0.5
			Dermal	NAPHTHALENE	4.00	mg/kg	5.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	4.4E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.2E-06	9.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	3.3E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.5E-08	3.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.0E-07	1.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				COBALT	11.7	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				IRON	30,900	mg/kg	3.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.005
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	6.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.180	mg/kg	1.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0010
				VANADIUM	42.2	mg/kg	4.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0010
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	7.3E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.5E-06	1.6E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								4.9E-06					0.02
		Exposure Point Total									2.0E-05					0.5
	Exposure Medium Total										2.0E-05					0.5

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	3.2E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.1E-08	3.8E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.001
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	5.5E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.1E-12	1.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	3.8E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.2E-13	4.5E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	7.4E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.2E-11	8.6E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000006
				COBALT	3.6E-9	mg/m^3	1.9E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.7E-10	2.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00004
				IRON	9.6E-6	mg/m^3	4.9E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.8E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	3.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	1.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00003
				MERCURY	5.6E-11	mg/m^3	2.9E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000001
				VANADIUM	1.3E-8	mg/m^3	6.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	6.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	4.0E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.7E-12	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	1.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.0E-09	2.6E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								1.2E-08					0.001
		Exposure Point Total									1.2E-08					0.001
	Exposure Medium Total										1.2E-08					0.001
Medium Total											2.0E-05					0.5

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	1.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.1E-05	3.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	3.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.2E-09	1.8E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	7.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.001
				ARSENIC	3.50	mg/kg	5.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.1E-07	3.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	0.150	mg/kg	2.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0001
				COBALT	10.7	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				IRON	16,300	mg/kg	2.5E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	20.6	mg/kg	3.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0006
				MERCURY	0.250	mg/kg	3.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0008
				MOLYBDENUM	0.450	mg/kg	7.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00008
				NICKEL	14.6	mg/kg	2.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0007
				VANADIUM	25.6	mg/kg	4.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				DIESEL RANGE ORGANICS	550	mg/kg	8.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	3.6E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.8E-07	7.9E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								1.2E-05					0.07
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	1.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.3E-05	3.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	3.7E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.5E-09	2.2E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	6.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0006
				ARSENIC	3.50	mg/kg	1.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.1E-07	8.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				CADMIUM	0.150	mg/kg	2.0E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00005
				COBALT	10.7	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	16,300	mg/kg	2.2E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.250	mg/kg	3.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0009
				MOLYBDENUM	0.450	mg/kg	6.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000007
				NICKEL	14.6	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	25.6	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	3.1E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.2E-07	6.8E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								1.4E-05					0.01
		Exposure Point Total									2.6E-05					0.08
	Exposure Medium Total										2.6E-05					0.08

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
							Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
					Value	Units	Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	3.2E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.6E-11	7.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	6.4E-14	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.6E-14	3.7E-13	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	1.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	4.8E-11	6.5E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				CADMIUM	4.6E-11	mg/m^3	4.8E-13	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	8.6E-13	2.8E-12	(mg/m^3)	1.0E-05	(mg/m^3)	0.0000003
				COBALT	3.3E-9	mg/m^3	3.4E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.1E-10	2.0E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00003
				IRON	5.0E-6	mg/m^3	5.2E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	6.6E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	2.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00003
				MERCURY	7.7E-11	mg/m^3	8.0E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.7E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000002
				MOLYBDENUM	1.4E-10	mg/m^3	1.4E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	4.7E-11	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.2E-11	2.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000003
				VANADIUM	7.9E-9	mg/m^3	8.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	1.8E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	2.6E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	7.4E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	6.2E-10	1.6E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								1.0E-09					0.00007
		Exposure Point Total									1.0E-09					0.00007
	Exposure Medium Total										1.0E-09					0.00007
Medium Total											2.6E-05					0.08

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	6.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	2.7E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.0E-06	5.9E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	3.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.4E-08	2.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	7.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.1E-06	4.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	11.7	mg/kg	1.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				IRON	30,900	mg/kg	4.8E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.04
				LEAD	22.9	mg/kg	3.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	1.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0004
				MERCURY	0.180	mg/kg	2.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0005
				VANADIUM	42.2	mg/kg	6.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.008
				DIESEL RANGE ORGANICS	40.3	mg/kg	6.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	3.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	5.8E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.9E-07	1.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								3.4E-06					0.10
			Dermal	NAPHTHALENE	4.00	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	3.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.2E-06	6.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	4.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.0E-08	2.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.8E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.8E-07	1.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				COBALT	11.7	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	30,900	mg/kg	4.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.003
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	9.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00004
				MERCURY	0.180	mg/kg	2.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0007
				VANADIUM	42.2	mg/kg	5.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0007
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	5.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.0E-06	1.1E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								3.6E-06					0.01
		Exposure Point Total									7.0E-06					0.1
	Exposure Medium Total										7.0E-06					0.1

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	6.5E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	2.2E-08	3.8E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.001
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	5.5E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.1E-12	1.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	7.7E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.4E-13	4.5E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	1.5E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	6.3E-11	8.6E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000006
				COBALT	3.6E-9	mg/m^3	3.7E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.4E-10	2.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00004
				IRON	9.6E-6	mg/m^3	9.9E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.8E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	7.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	2.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00003
				MERCURY	5.6E-11	mg/m^3	5.8E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000001
				VANADIUM	1.3E-8	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	8.0E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.7E-12	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	1.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.0E-09	2.6E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								2.3E-08					0.001
		Exposure Point Total									2.3E-08					0.001
	Exposure Medium Total										2.3E-08					0.001
Medium Total											7.0E-06					0.1

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	6.6E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.8E-06	1.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	3.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.0E-09	9.8E-09	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	8.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.0006
				ARSENIC	3.50	mg/kg	6.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.2E-07	1.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				CADMIUM	0.150	mg/kg	2.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-08	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.00007
				COBALT	10.7	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				IRON	16,300	mg/kg	2.8E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	20.6	mg/kg	3.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0003
				MERCURY	0.250	mg/kg	4.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0004
				MOLYBDENUM	0.450	mg/kg	7.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00004
				NICKEL	14.6	mg/kg	2.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.1E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0004
				VANADIUM	25.6	mg/kg	4.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	550	mg/kg	9.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	1.5E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	7.6E-08	4.3E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0001
			Exp. Route Total								5.8E-06					0.04
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	1.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.3E-06	3.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	6.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-08	1.8E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0005
				ARSENIC	3.50	mg/kg	2.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-07	6.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	0.150	mg/kg	3.5E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-10	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00004
				COBALT	10.7	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	16,300	mg/kg	3.8E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00004
				MERCURY	0.250	mg/kg	5.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0008
				MOLYBDENUM	0.450	mg/kg	1.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000006
				NICKEL	14.6	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	25.6	mg/kg	5.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	2.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	4.0E-07	5.6E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0007
			Exp. Route Total								9.1E-06					0.010
		Exposure Point Total									1.5E-05					0.05
	Exposure Medium Total										1.5E-05					0.05

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	9.6E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.1E-10	2.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	5.0E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.9E-13	1.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	1.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	8.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.8E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	4.6E-11	mg/m^3	3.8E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	6.8E-12	1.1E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	3.3E-9	mg/m^3	2.7E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.4E-09	7.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.0E-6	mg/m^3	4.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	5.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	2.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	7.7E-11	mg/m^3	6.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				MOLYBDENUM	1.4E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	3.7E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	9.6E-11	1.0E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00001
				VANADIUM	7.9E-9	mg/m^3	6.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	1.4E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	2.0E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	2.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.8E-09	6.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000006
			Exp. Route Total								4.9E-09					0.0003
		Exposure Point Total									4.9E-09					0.0003
	Exposure Medium Total										4.9E-09					0.0003
Medium Total											1.5E-05					0.05

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00010
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.3E-07	3.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	4.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.4E-08	1.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	8.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.2E-06	2.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				COBALT	11.7	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				IRON	30,900	mg/kg	5.4E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	22.9	mg/kg	4.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0002
				MERCURY	0.180	mg/kg	3.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.8E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0003
				VANADIUM	42.2	mg/kg	7.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.004
				DIESEL RANGE ORGANICS	40.3	mg/kg	7.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	4.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	2.4E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.2E-07	6.8E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								2.2E-06					0.05
			Dermal	NAPHTHALENE	4.00	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.4E-06	5.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	7.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.5E-07	2.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	3.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.8E-07	8.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	11.7	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	30,900	mg/kg	7.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.003
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.180	mg/kg	4.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0006
				VANADIUM	42.2	mg/kg	9.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	3.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.5E-07	9.0E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								2.7E-06					0.01
		Exposure Point Total									4.9E-06					0.06
	Exposure Medium Total										4.9E-06					0.06
	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	5.1E-06	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.7E-07	1.4E-05	(mg/m^3)	3.0E-03	(mg/m^3)	0.005
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	1.6E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.8E-11	4.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	6.1E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.5E-12	1.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	1.2E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	5.0E-10	3.3E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	3.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.7E-09	8.3E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	9.6E-6	mg/m^3	7.8E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	5.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	1.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00010
				MERCURY	5.6E-11	mg/m^3	4.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				VANADIUM	1.3E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	6.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	3.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.0E-09	9.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000010
			Exp. Route Total								1.8E-07					0.005
		Exposure Point Total									1.8E-07					0.005
	Exposure Medium Total										1.8E-07					0.005
Medium Total											5.1E-06					0.07

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	1.6E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.2E-04	3.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	1.6E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.1E-08	1.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	3.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.01
				ARSENIC	3.50	mg/kg	2.7E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.1E-06	3.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				CADMIUM	0.150	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.001
				COBALT	10.7	mg/kg	8.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.3
				IRON	16,300	mg/kg	1.3E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.2
				LEAD	20.6	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	7.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.006
				MERCURY	0.250	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				MOLYBDENUM	0.450	mg/kg	3.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0008
				NICKEL	14.6	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.007
				VANADIUM	25.6	mg/kg	2.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.05
				DIESEL RANGE ORGANICS	550	mg/kg	4.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	6.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	3.6E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.8E-06	7.9E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.003
			Exp. Route Total								1.2E-04					0.7
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	5.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.2E-05	1.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	6.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.2E-08	7.2E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	3.50	mg/kg	2.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.5E-07	2.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				CADMIUM	0.150	mg/kg	3.3E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0002
				COBALT	10.7	mg/kg	2.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				IRON	16,300	mg/kg	3.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.006
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0002
				MERCURY	0.250	mg/kg	5.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				MOLYBDENUM	0.450	mg/kg	9.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00002
				NICKEL	14.6	mg/kg	3.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.005
				VANADIUM	25.6	mg/kg	5.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	1.0E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.0E-06	2.2E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.003
			Exp. Route Total								4.5E-05					0.04
		Exposure Point Total									1.7E-04					0.8
	Exposure Medium Total										1.7E-04					0.8

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	1.2E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.4E-10	2.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	1.2E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	6.9E-14	1.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	2.9E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	2.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	9.1E-11	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	4.6E-11	mg/m^3	9.1E-13	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.6E-12	1.1E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	3.3E-9	mg/m^3	6.5E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.8E-10	7.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.0E-6	mg/m^3	9.9E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	1.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	5.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	7.7E-11	mg/m^3	1.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				MOLYBDENUM	1.4E-10	mg/m^3	2.7E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	8.8E-11	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	2.3E-11	1.0E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00001
				VANADIUM	7.9E-9	mg/m^3	1.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	4.9E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	2.8E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.4E-09	6.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000006
			Exp. Route Total								3.2E-09					0.0003
		Exposure Point Total									3.2E-09					0.0003
	Exposure Medium Total										3.2E-09					0.0003
Medium Total											1.7E-04					0.8

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	3.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.002
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	2.7E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.0E-05	5.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	1.9E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.8E-07	2.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	3.6E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.4E-06	4.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				COBALT	11.7	mg/kg	9.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.4
				IRON	30,900	mg/kg	2.4E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.4
				LEAD	22.9	mg/kg	1.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	5.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.004
				MERCURY	0.180	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				VANADIUM	42.2	mg/kg	3.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.08
				DIESEL RANGE ORGANICS	40.3	mg/kg	3.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	5.8E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.9E-06	1.3E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.004
			Exp. Route Total								2.9E-05					1.0
			Dermal	NAPHTHALENE	4.00	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0007
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	9.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.2E-06	2.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	7.4E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.5E-07	8.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	3.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.5E-07	3.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	11.7	mg/kg	2.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.010
				IRON	30,900	mg/kg	6.8E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0001
				MERCURY	0.180	mg/kg	3.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.002
				VANADIUM	42.2	mg/kg	9.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	1.6E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.3E-06	3.6E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.005
			Exp. Route Total								1.1E-05					0.04
		Exposure Point Total									4.0E-05					1.0
	Exposure Medium Total										4.0E-05					1.0

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	1.2E-06	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	4.2E-08	1.4E-05	(mg/m^3)	3.0E-03	(mg/m^3)	0.005
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	2.1E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.3E-11	4.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	1.5E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	8.3E-13	1.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	2.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.2E-10	3.3E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	7.1E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	6.4E-10	8.3E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	9.6E-6	mg/m^3	1.9E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	1.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	4.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00010
				MERCURY	5.6E-11	mg/m^3	1.1E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				VANADIUM	1.3E-8	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	2.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	1.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	4.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.8E-09	9.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000010
			Exp. Route Total								4.6E-08					0.005
		Exposure Point Total									4.6E-08					0.005
	Exposure Medium Total										4.6E-08					0.005
Medium Total											4.0E-05					1.0

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	3.0E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.2E-05	6.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	5.9E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.2E-08	3.4E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.2E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	3.50	mg/kg	1.0E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-06	6.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	0.150	mg/kg	4.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0003
				COBALT	10.7	mg/kg	3.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				IRON	16,300	mg/kg	4.8E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.04
				LEAD	20.6	mg/kg	6.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	2.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.001
				MERCURY	0.250	mg/kg	7.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				MOLYBDENUM	0.450	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				NICKEL	14.6	mg/kg	4.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.001
				VANADIUM	25.6	mg/kg	7.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.009
				DIESEL RANGE ORGANICS	550	mg/kg	1.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	6.8E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.4E-07	1.5E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0005
			Exp. Route Total								2.4E-05					0.1
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	1.2E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.5E-06	2.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	2.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.0E-09	1.4E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	4.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0004
				ARSENIC	3.50	mg/kg	9.3E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-07	5.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	0.150	mg/kg	1.3E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.8E-10	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00003
				COBALT	10.7	mg/kg	9.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	16,300	mg/kg	1.4E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.001
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	8.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.250	mg/kg	2.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0006
				MOLYBDENUM	0.450	mg/kg	4.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000005
				NICKEL	14.6	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0009
				VANADIUM	25.6	mg/kg	2.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	2.1E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	4.1E-07	4.5E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0006
			Exp. Route Total								9.1E-06					0.008
		Exposure Point Total									3.3E-05					0.1
	Exposure Medium Total										3.3E-05					0.1

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	1.2E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.4E-10	2.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	2.4E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.4E-13	1.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	5.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	4.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.8E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	4.6E-11	mg/m^3	1.8E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	3.3E-12	1.1E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	3.3E-9	mg/m^3	1.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.2E-09	7.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.0E-6	mg/m^3	2.0E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	2.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	7.7E-11	mg/m^3	3.0E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				MOLYBDENUM	1.4E-10	mg/m^3	5.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	1.8E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	4.6E-11	1.0E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00001
				VANADIUM	7.9E-9	mg/m^3	3.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	6.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	9.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	2.8E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.4E-09	6.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000006
			Exp. Route Total								3.9E-09					0.0003
		Exposure Point Total									3.9E-09					0.0003
	Exposure Medium Total										3.9E-09					0.0003
Medium Total											3.3E-05					0.1

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	5.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.7E-06	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	7.0E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.4E-07	4.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.0E-06	7.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				COBALT	11.7	mg/kg	3.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				IRON	30,900	mg/kg	9.1E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.08
				LEAD	22.9	mg/kg	6.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	2.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0008
				MERCURY	0.180	mg/kg	5.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				VANADIUM	42.2	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	40.3	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	7.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	1.1E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	5.5E-07	2.4E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0008
			Exp. Route Total								6.4E-06					0.2
			Dermal	NAPHTHALENE	4.00	mg/kg	4.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0001
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	2.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.5E-06	4.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	3.0E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.0E-08	1.7E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.8E-07	7.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	11.7	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	30,900	mg/kg	2.7E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	6.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.180	mg/kg	1.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0004
				VANADIUM	42.2	mg/kg	3.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	3.3E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.6E-07	7.2E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0010
			Exp. Route Total								2.4E-06					0.009
		Exposure Point Total									8.8E-06					0.2
	Exposure Medium Total										8.8E-06					0.2

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	2.4E-06	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	8.3E-08	1.4E-05	(mg/m^3)	3.0E-03	(mg/m^3)	0.005
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	2.1E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.3E-11	4.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	2.9E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.7E-12	1.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	5.6E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.4E-10	3.3E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	1.4E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.3E-09	8.3E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	9.6E-6	mg/m^3	3.7E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	2.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	8.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00010
				MERCURY	5.6E-11	mg/m^3	2.2E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				VANADIUM	1.3E-8	mg/m^3	5.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	4.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	3.0E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	4.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.8E-09	9.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000010
			Exp. Route Total								8.8E-08					0.005
		Exposure Point Total									8.8E-08					0.005
	Exposure Medium Total										8.8E-08					0.005
Medium Total											8.9E-06					0.2

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	6.4E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.7E-06	3.7E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	3.4E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.7E-09	2.0E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	8.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.001
				ARSENIC	3.50	mg/kg	5.9E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.8E-07	3.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	0.150	mg/kg	2.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0001
				COBALT	10.7	mg/kg	1.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				IRON	16,300	mg/kg	2.7E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	20.6	mg/kg	3.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	1.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.8E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0006
				MERCURY	0.250	mg/kg	4.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0008
				MOLYBDENUM	0.450	mg/kg	7.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00009
				NICKEL	14.6	mg/kg	2.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0007
				VANADIUM	25.6	mg/kg	4.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				DIESEL RANGE ORGANICS	550	mg/kg	9.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	1.5E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	7.3E-08	8.5E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								5.6E-06					0.08
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	3.3E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.4E-06	1.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	1.9E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.7E-09	1.1E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	3.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0003
				ARSENIC	3.50	mg/kg	7.0E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.1E-07	4.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				CADMIUM	0.150	mg/kg	1.0E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-10	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00002
				COBALT	10.7	mg/kg	7.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				IRON	16,300	mg/kg	1.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.0009
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	6.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.250	mg/kg	1.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0005
				MOLYBDENUM	0.450	mg/kg	3.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000004
				NICKEL	14.6	mg/kg	9.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.7E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0007
				VANADIUM	25.6	mg/kg	1.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	5.8E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.2E-07	3.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0005
			Exp. Route Total								2.6E-06					0.006
		Exposure Point Total									8.3E-06					0.08
	Exposure Medium Total										8.3E-06					0.08

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	4.6E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	5.1E-11	2.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	2.4E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.4E-13	1.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	5.8E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	4.2E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	1.8E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	4.6E-11	mg/m^3	1.8E-12	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	3.3E-12	1.1E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	3.3E-9	mg/m^3	1.3E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.2E-09	7.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.0E-6	mg/m^3	2.0E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	2.5E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.4E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	7.7E-11	mg/m^3	3.0E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.8E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				MOLYBDENUM	1.4E-10	mg/m^3	5.5E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	1.8E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	4.6E-11	1.0E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00001
				VANADIUM	7.9E-9	mg/m^3	3.1E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	6.7E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	9.8E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	1.1E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	8.9E-10	6.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000006
			Exp. Route Total								2.3E-09					0.0003
		Exposure Point Total									2.3E-09					0.0003
	Exposure Medium Total										2.3E-09					0.0003
Medium Total											8.3E-06					0.08

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	6.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.0E-07	6.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	4.0E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.1E-08	2.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	7.7E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.2E-06	4.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	11.7	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				IRON	30,900	mg/kg	5.2E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.04
				LEAD	22.9	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0005
				MERCURY	0.180	mg/kg	3.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0006
				VANADIUM	42.2	mg/kg	7.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.008
				DIESEL RANGE ORGANICS	40.3	mg/kg	6.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	4.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	2.3E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.2E-07	1.4E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0005
			Exp. Route Total								2.2E-06					0.1
			Dermal	NAPHTHALENE	4.00	mg/kg	3.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0001
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	5.7E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.1E-07	3.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	2.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.5E-08	1.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	9.2E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-07	5.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	11.7	mg/kg	7.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	30,900	mg/kg	2.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	4.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00002
				MERCURY	0.180	mg/kg	1.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0003
				VANADIUM	42.2	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	9.4E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.9E-07	5.5E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0007
			Exp. Route Total								7.8E-07					0.007
		Exposure Point Total									2.9E-06					0.1
	Exposure Medium Total										2.9E-06					0.1

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	2.4E-06	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	8.3E-08	1.4E-05	(mg/m^3)	3.0E-03	(mg/m^3)	0.005
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	7.9E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	8.7E-12	4.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	2.9E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.7E-12	1.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	5.6E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.4E-10	3.3E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	1.4E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.3E-09	8.3E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	9.6E-6	mg/m^3	3.7E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	2.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	8.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00010
				MERCURY	5.6E-11	mg/m^3	2.2E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				VANADIUM	1.3E-8	mg/m^3	5.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	4.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	3.0E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	1.7E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.4E-09	9.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000010
			Exp. Route Total								8.6E-08					0.005
		Exposure Point Total									8.6E-08					0.005
	Exposure Medium Total										8.6E-08					0.005
Medium Total											3.0E-06					0.1

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	2.2E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.6E-04	4.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	2.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.4E-08	2.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	5.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.02
				ARSENIC	3.50	mg/kg	3.8E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.8E-06	4.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				CADMIUM	0.150	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.002
				COBALT	10.7	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.5
				IRON	16,300	mg/kg	1.8E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.3
				LEAD	20.6	mg/kg	2.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	9.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.008
				MERCURY	0.250	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				MOLYBDENUM	0.450	mg/kg	4.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				NICKEL	14.6	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.009
				VANADIUM	25.6	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.07
				DIESEL RANGE ORGANICS	550	mg/kg	6.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	8.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	5.1E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.5E-06	1.1E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.004
			Exp. Route Total								1.7E-04					1.0
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	8.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.9E-05	1.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	8.6E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.7E-08	1.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	1.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.003
				ARSENIC	3.50	mg/kg	3.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.8E-07	3.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	0.150	mg/kg	4.6E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0002
				COBALT	10.7	mg/kg	3.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				IRON	16,300	mg/kg	5.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.008
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0002
				MERCURY	0.250	mg/kg	7.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.004
				MOLYBDENUM	0.450	mg/kg	1.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00003
				NICKEL	14.6	mg/kg	4.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.2E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.007
				VANADIUM	25.6	mg/kg	7.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.2E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	1.4E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.8E-06	3.1E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.004
			Exp. Route Total								6.2E-05					0.05
		Exposure Point Total									2.3E-04					1.1
	Exposure Medium Total										2.3E-04					1.1

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	5.2E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	5.7E-10	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	5.1E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.9E-13	5.9E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	1.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	8.9E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	3.8E-10	1.0E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				CADMIUM	4.6E-11	mg/m^3	3.8E-12	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	6.9E-12	4.5E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000004
				COBALT	3.3E-9	mg/m^3	2.7E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	2.5E-09	3.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				IRON	5.0E-6	mg/m^3	4.1E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.8E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	5.2E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	2.3E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.7E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0005
				MERCURY	7.7E-11	mg/m^3	6.4E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	7.4E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	1.4E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	3.7E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	9.7E-11	4.3E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00005
				VANADIUM	7.9E-9	mg/m^3	6.5E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	7.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	1.4E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.6E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	1.2E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	9.9E-09	2.6E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								1.3E-08					0.001
		Exposure Point Total									1.3E-08					0.001
	Exposure Medium Total										1.3E-08					0.001
Medium Total											2.3E-04					1.1

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	4.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.003
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	3.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.8E-05	8.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	2.6E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.3E-07	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	5.0E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	7.6E-06	5.9E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				COBALT	11.7	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.5
				IRON	30,900	mg/kg	3.4E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.6
				LEAD	22.9	mg/kg	2.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	7.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.6E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.006
				MERCURY	0.180	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				VANADIUM	42.2	mg/kg	4.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.1
				DIESEL RANGE ORGANICS	40.3	mg/kg	4.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	8.2E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.1E-06	1.8E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.006
			Exp. Route Total								4.0E-05					1.4
			Dermal	NAPHTHALENE	4.00	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0009
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.4E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.0E-05	3.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	1.0E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.1E-07	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	4.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	6.4E-07	4.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	11.7	mg/kg	3.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				IRON	30,900	mg/kg	9.5E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0002
				MERCURY	0.180	mg/kg	5.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				VANADIUM	42.2	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	2.3E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	4.6E-06	5.0E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.007
			Exp. Route Total								1.6E-05					0.06
		Exposure Point Total									5.5E-05					1.4
	Exposure Medium Total										5.5E-05					1.4

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	5.1E-06	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.7E-07	6.0E-05	(mg/m^3)	3.0E-03	(mg/m^3)	0.02
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	8.8E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	9.7E-11	1.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	6.1E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.5E-12	7.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	1.2E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	5.0E-10	1.4E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00009
				COBALT	3.6E-9	mg/m^3	3.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.7E-09	3.5E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				IRON	9.6E-6	mg/m^3	7.9E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	5.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	1.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0004
				MERCURY	5.6E-11	mg/m^3	4.6E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				VANADIUM	1.3E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	6.4E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	1.9E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.6E-08	4.2E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								1.9E-07					0.02
		Exposure Point Total									1.9E-07					0.02
	Exposure Medium Total										1.9E-07					0.02
Medium Total											5.6E-05					1.5
										Total of Receptor Risks Across All Media	2.9E-04			Total of Receptor Hazards Across All Media		2.5

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	4.2E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.0E-05	9.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	8.2E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.6E-08	4.8E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.003
				ARSENIC	3.50	mg/kg	1.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-06	8.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				CADMIUM	0.150	mg/kg	6.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0004
				COBALT	10.7	mg/kg	4.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.09
				IRON	16,300	mg/kg	6.7E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.06
				LEAD	20.6	mg/kg	8.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	3.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.002
				MERCURY	0.250	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				MOLYBDENUM	0.450	mg/kg	1.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				NICKEL	14.6	mg/kg	6.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.002
				VANADIUM	25.6	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	550	mg/kg	2.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	3.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	9.5E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.8E-07	2.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0007
			Exp. Route Total								3.3E-05					0.2
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	1.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.2E-05	3.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	3.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.0E-09	2.0E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	6.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0006
				ARSENIC	3.50	mg/kg	1.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.0E-07	7.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				CADMIUM	0.150	mg/kg	1.9E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00004
				COBALT	10.7	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	16,300	mg/kg	2.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.250	mg/kg	3.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0009
				MOLYBDENUM	0.450	mg/kg	5.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000007
				NICKEL	14.6	mg/kg	1.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	25.6	mg/kg	3.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	2.9E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.8E-07	6.3E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0008
			Exp. Route Total								1.3E-05					0.01
		Exposure Point Total									4.6E-05					0.2
	Exposure Medium Total										4.6E-05					0.2

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	5.2E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	5.7E-10	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	1.0E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	5.8E-13	5.9E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	2.4E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	7.7E-10	1.0E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				CADMIUM	4.6E-11	mg/m^3	7.6E-12	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	1.4E-11	4.5E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000004
				COBALT	3.3E-9	mg/m^3	5.4E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	4.9E-09	3.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				IRON	5.0E-6	mg/m^3	8.3E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.8E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	1.0E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	4.6E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.7E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0005
				MERCURY	7.7E-11	mg/m^3	1.3E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	7.4E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	1.4E-10	mg/m^3	2.3E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	7.4E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	1.9E-10	4.3E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00005
				VANADIUM	7.9E-9	mg/m^3	1.3E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	7.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	2.8E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.6E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	4.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	1.2E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	9.9E-09	2.6E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								1.6E-08					0.001
		Exposure Point Total									1.6E-08					0.001
	Exposure Medium Total										1.6E-08					0.001
Medium Total											4.6E-05					0.2

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.6E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0005
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	7.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.2E-06	1.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	9.9E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.0E-07	5.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.9E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.8E-06	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				COBALT	11.7	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.09
				IRON	30,900	mg/kg	1.3E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.4E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	22.9	mg/kg	9.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.001
				MERCURY	0.180	mg/kg	7.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				VANADIUM	42.2	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	40.3	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	1.5E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	7.7E-07	3.4E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								9.0E-06					0.3
			Dermal	NAPHTHALENE	4.00	mg/kg	6.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	2.8E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.0E-06	6.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	4.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.4E-08	2.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.7E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.6E-07	1.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	11.7	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	30,900	mg/kg	3.8E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.003
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	8.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00004
				MERCURY	0.180	mg/kg	2.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0006
				VANADIUM	42.2	mg/kg	5.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	4.6E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	9.3E-07	1.0E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								3.3E-06					0.01
		Exposure Point Total									1.2E-05					0.3
	Exposure Medium Total										1.2E-05					0.3

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	1.0E-05	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.5E-07	6.0E-05	(mg/m^3)	3.0E-03	(mg/m^3)	0.02
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	8.8E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	9.7E-11	1.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	1.2E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	7.0E-12	7.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	2.3E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.0E-09	1.4E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00009
				COBALT	3.6E-9	mg/m^3	6.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.4E-09	3.5E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				IRON	9.6E-6	mg/m^3	1.6E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	1.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	3.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0004
				MERCURY	5.6E-11	mg/m^3	9.2E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				VANADIUM	1.3E-8	mg/m^3	2.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	2.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	1.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	1.9E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.6E-08	4.2E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								3.7E-07					0.02
		Exposure Point Total									3.7E-07					0.02
	Exposure Medium Total										3.7E-07					0.02
Medium Total											1.3E-05					0.3

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block D	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	8.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.5E-06	5.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	4.7E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.4E-09	2.7E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	3.50	mg/kg	8.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.2E-06	4.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	0.150	mg/kg	3.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0002
				COBALT	10.7	mg/kg	2.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				IRON	16,300	mg/kg	3.8E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.03
				LEAD	20.6	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	2.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0009
				MERCURY	0.250	mg/kg	5.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				MOLYBDENUM	0.450	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0001
				NICKEL	14.6	mg/kg	3.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0010
				VANADIUM	25.6	mg/kg	6.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.007
				DIESEL RANGE ORGANICS	550	mg/kg	1.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.5E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	1.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	2.0E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.0E-07	1.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								7.9E-06					0.1
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.80	mg/kg	4.6E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.4E-06	2.7E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.020	mg/kg	2.6E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.2E-09	1.5E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.480	mg/kg	4.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0004
				ARSENIC	3.50	mg/kg	9.8E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-07	5.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	0.150	mg/kg	1.4E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.2E-10	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00003
				COBALT	10.7	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	16,300	mg/kg	1.5E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.001
				LEAD	20.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	89.9	mg/kg	8.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00004
				MERCURY	0.250	mg/kg	2.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0007
				MOLYBDENUM	0.450	mg/kg	4.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000005
				NICKEL	14.6	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0010
				VANADIUM	25.6	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	550	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.810	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.870	mg/kg	8.2E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.6E-07	4.8E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0006
			Exp. Route Total								3.7E-06					0.008
		Exposure Point Total									1.2E-05					0.1
	Exposure Medium Total										1.2E-05					0.1

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block D	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.2E-9	mg/m^3	1.9E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.1E-10	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	6.2E-12	mg/m^3	1.0E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	5.8E-13	5.9E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.5E-10	mg/m^3	2.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.7E-10	1.0E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				CADMIUM	4.6E-11	mg/m^3	7.6E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.4E-11	4.5E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000004
				COBALT	3.3E-9	mg/m^3	5.4E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.9E-09	3.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				IRON	5.0E-6	mg/m^3	8.3E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.4E-9	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.8E-8	mg/m^3	4.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0005
				MERCURY	7.7E-11	mg/m^3	1.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	1.4E-10	mg/m^3	2.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	4.5E-9	mg/m^3	7.4E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.9E-10	4.3E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00005
				VANADIUM	7.9E-9	mg/m^3	1.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-7	mg/m^3	2.8E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.6E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-10	mg/m^3	4.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	2.7E-10	mg/m^3	4.4E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.7E-09	2.6E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								9.8E-09					0.001
		Exposure Point Total									9.8E-09					0.001
	Exposure Medium Total										9.8E-09					0.001
Medium Total											1.2E-05					0.1

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block D	Ingestion	NAPHTHALENE	4.00	mg/kg	9.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	1.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.1E-06	8.9E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	5.6E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.1E-07	3.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.1E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.6E-06	6.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	11.7	mg/kg	2.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				IRON	30,900	mg/kg	7.3E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.06
				LEAD	22.9	mg/kg	5.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0007
				MERCURY	0.180	mg/kg	4.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0008
				VANADIUM	42.2	mg/kg	9.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	40.3	mg/kg	9.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	5.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	3.3E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.6E-07	1.9E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0006
			Exp. Route Total								3.0E-06					0.1
			Dermal	NAPHTHALENE	4.00	mg/kg	4.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0001
				BENZO(A)PYRENE EQUIVALENTS	0.650	mg/kg	7.9E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.8E-07	4.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.240	mg/kg	3.1E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.3E-08	1.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	4.60	mg/kg	1.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.9E-07	7.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	11.7	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	30,900	mg/kg	2.9E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	22.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	67.6	mg/kg	6.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.180	mg/kg	1.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0005
				VANADIUM	42.2	mg/kg	4.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	40.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.250	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.40	mg/kg	1.3E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.6E-07	7.7E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								1.1E-06					0.009
		Exposure Point Total									4.1E-06					0.2
	Exposure Medium Total										4.1E-06					0.2

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK D - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block D	Inhalation	NAPHTHALENE	6.2E-5	mg/m^3	1.0E-05	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.5E-07	6.0E-05	(mg/m^3)	3.0E-03	(mg/m^3)	0.02
				BENZO(A)PYRENE EQUIVALENTS	2.0E-10	mg/m^3	3.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.6E-11	1.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.4E-11	mg/m^3	1.2E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	7.0E-12	7.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.4E-9	mg/m^3	2.3E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.0E-09	1.4E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00009
				COBALT	3.6E-9	mg/m^3	6.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.4E-09	3.5E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				IRON	9.6E-6	mg/m^3	1.6E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	7.1E-9	mg/m^3	1.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.1E-8	mg/m^3	3.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0004
				MERCURY	5.6E-11	mg/m^3	9.2E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				VANADIUM	1.3E-8	mg/m^3	2.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.2E-8	mg/m^3	2.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	7.7E-11	mg/m^3	1.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.3E-10	mg/m^3	7.1E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	6.0E-09	4.2E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								3.6E-07					0.02
		Exposure Point Total									3.6E-07					0.02
	Exposure Medium Total										3.6E-07					0.02
Medium Total											4.5E-06					0.2

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-05	(mg/kg/day)	8.0E-03	(mg/kg/day)	0.01
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	5.2E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.5E-07	3.6E-04	(mg/kg/day)	9.0E-02	(mg/kg/day)	0.004
				1,4-DICHLOROBENZENE	0.230	mg/kg	1.5E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	8.3E-11	1.1E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	1.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.3E-07	7.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	2.4E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.8E-06	1.7E-04	(mg/kg/day)	2.0E-05	(mg/kg/day)	8.5
				AROCLOR-1260	108	mg/kg	7.2E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.4E-05	5.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	2.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.004
				ARSENIC	2.20	mg/kg	1.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-07	1.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				CADMIUM	2.70	mg/kg	1.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.01
				COBALT	11.6	mg/kg	7.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.02
				IRON	17,200	mg/kg	1.2E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	21.6	mg/kg	1.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.006
				MERCURY	0.120	mg/kg	8.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				MOLYBDENUM	0.830	mg/kg	5.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0008
				NICKEL	10.9	mg/kg	7.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.003
				VANADIUM	24.0	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	2,340	mg/kg	1.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-02	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	3.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	8.7E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.4E-08	6.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								2.0E-05					8.7
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	6.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-06	(mg/kg/day)	8.0E-03	(mg/kg/day)	0.001
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	3.2E-07	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	9.3E-09	2.2E-05	(mg/kg/day)	9.0E-02	(mg/kg/day)	0.0002
				1,4-DICHLOROBENZENE	0.230	mg/kg	9.5E-10	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	5.1E-12	6.6E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0000009
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	2.7E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.0E-07	1.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	6.9E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.4E-06	4.9E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	2.4
				AROCLOR-1260	108	mg/kg	2.1E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.2E-06	1.5E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	5.1E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0006
				ARSENIC	2.20	mg/kg	9.1E-09	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-08	6.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	2.70	mg/kg	3.7E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.001
				COBALT	11.6	mg/kg	1.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
				IRON	17,200	mg/kg	2.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0001
				MERCURY	0.120	mg/kg	1.7E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0006
				MOLYBDENUM	0.830	mg/kg	1.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00002
				NICKEL	10.9	mg/kg	1.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	24.0	mg/kg	3.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.8E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.6E-08	1.3E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								5.8E-06					2.4
		Exposure Point Total									2.6E-05					11
	Exposure Medium Total										2.6E-05					11

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.002	mg/m^3	7.5E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.3E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.012	mg/m^3	3.8E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-03	(mg/m^3)	2.0E-02	(mg/m^3)	0.1
				1,4-DICHLOROBENZENE	0.000	mg/m^3	3.2E-07	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	3.6E-09	2.3E-05	(mg/m^3)	1.2E+00	(mg/m^3)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	1.0E-6	mg/m^3	3.4E-09	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.8E-09	2.4E-07	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	2.5E-5	mg/m^3	8.2E-08	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.7E-08	5.7E-06	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	7.6E-5	mg/m^3	2.5E-07	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.4E-07	1.7E-05	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.6E-7	mg/m^3	8.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.5E-6	mg/m^3	5.0E-09	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.2E-08	3.5E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.02
				CADMIUM	1.9E-6	mg/m^3	6.2E-09	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.1E-08	4.3E-07	(mg/m^3)	1.0E-05	(mg/m^3)	0.04
				COBALT	8.1E-6	mg/m^3	2.6E-08	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.4E-07	1.9E-06	(mg/m^3)	6.0E-06	(mg/m^3)	0.3
				IRON	0.012	mg/m^3	3.9E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-03	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.5E-5	mg/m^3	4.9E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-06	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	1.2E-4	mg/m^3	4.0E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-05	(mg/m^3)	5.0E-05	(mg/m^3)	0.6
				MERCURY	8.4E-8	mg/m^3	2.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-08	(mg/m^3)	3.0E-05	(mg/m^3)	0.0006
				MOLYBDENUM	5.8E-7	mg/m^3	1.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-07	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	7.6E-6	mg/m^3	2.5E-08	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	6.5E-09	1.7E-06	(mg/m^3)	9.0E-05	(mg/m^3)	0.02
				VANADIUM	1.7E-5	mg/m^3	5.5E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.8E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	0.002	mg/m^3	5.3E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-04	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.4E-7	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	9.1E-7	mg/m^3	3.0E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.5E-07	2.1E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.002
			Exp. Route Total								7.2E-07					1.1
		Exposure Point Total									7.2E-07					1.1
	Exposure Medium Total										7.2E-07					1.1
Medium Total											2.7E-05					12

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-04	(mg/kg/day)	8.0E-03	(mg/kg/day)	0.1
				1,2,4-TRICHLOROBENZENE	724	mg/kg	4.9E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.4E-06	3.4E-03	(mg/kg/day)	9.0E-02	(mg/kg/day)	0.04
				1,3-DICHLOROBENZENE	4.20	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	7.0E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	3.8E-09	4.9E-05	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0007
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	1.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.3E-07	8.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	4.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00002
				AROCLOR-1254	9.80	mg/kg	6.6E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-06	4.6E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	2.3
				AROCLOR-1260	709	mg/kg	4.8E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.5E-05	3.3E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-07	7.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	4.00	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.006
				IRON	17,100	mg/kg	1.1E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	3.60	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	6.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.003
				MERCURY	0.290	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				VANADIUM	13.8	mg/kg	9.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.006
				DIESEL RANGE ORGANICS	2,010	mg/kg	1.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	5.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	3.3E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.6E-08	2.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0008
			Exp. Route Total								9.9E-05					2.6
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	6.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-05	(mg/kg/day)	8.0E-03	(mg/kg/day)	0.01
				1,2,4-TRICHLOROBENZENE	724	mg/kg	3.0E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	8.7E-08	2.1E-04	(mg/kg/day)	9.0E-02	(mg/kg/day)	0.002
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	4.3E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.3E-10	3.0E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00004
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	3.0E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.2E-07	2.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	1.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000005
				AROCLOR-1254	9.80	mg/kg	1.9E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.8E-07	1.3E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.7
				AROCLOR-1260	709	mg/kg	1.4E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.7E-05	9.6E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	6.2E-09	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.3E-09	4.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				COBALT	4.00	mg/kg	5.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0001
				IRON	17,100	mg/kg	2.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00006
				MERCURY	0.290	mg/kg	4.0E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				VANADIUM	13.8	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0001
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	6.7E-10	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.3E-08	4.7E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0006
			Exp. Route Total								2.8E-05					0.7
		Exposure Point Total									1.3E-04					3.3
	Exposure Medium Total										1.3E-04					3.3

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.021	mg/m^3	7.0E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.9E-03	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.06	mg/m^3	2.0E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-02	(mg/m^3)	2.0E+00	(mg/m^3)	0.007
				1,3-DICHLOROBENZENE	2.9E-6	mg/m^3	9.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	0.004	mg/m^3	1.5E-05	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	1.6E-07	1.0E-03	(mg/m^3)	1.2E+00	(mg/m^3)	0.0009
				BENZO(A)PYRENE EQUIVALENTS	1.2E-6	mg/m^3	3.9E-09	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	4.3E-09	2.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	7.0E-6	mg/m^3	2.3E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	7.8E-10	1.6E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0005
				AROCLOR-1254	6.9E-6	mg/m^3	2.2E-08	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.3E-08	1.6E-06	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-4	mg/m^3	1.6E-06	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	9.2E-07	1.1E-04	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.0E-6	mg/m^3	3.4E-09	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.5E-08	2.4E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.02
				COBALT	2.8E-6	mg/m^3	9.1E-09	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	8.2E-08	6.4E-07	(mg/m^3)	6.0E-06	(mg/m^3)	0.1
				IRON	0.012	mg/m^3	3.9E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-03	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.5E-6	mg/m^3	8.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	6.6E-5	mg/m^3	2.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-05	(mg/m^3)	5.0E-05	(mg/m^3)	0.3
				MERCURY	2.0E-7	mg/m^3	6.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.6E-08	(mg/m^3)	3.0E-05	(mg/m^3)	0.002
				VANADIUM	9.7E-6	mg/m^3	3.1E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	0.001	mg/m^3	4.6E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-04	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	5.7E-5	mg/m^3	1.8E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-05	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-7	mg/m^3	1.1E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	9.4E-08	7.8E-08	(mg/m^3)	1.0E-04	(mg/m^3)	0.0008
			Exp. Route Total								1.3E-06					0.4
		Exposure Point Total									1.3E-06					0.4
	Exposure Medium Total										1.3E-06					0.4
Medium Total											1.3E-04					3.7

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.010
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	1.4E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	3.9E-07	3.8E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.004
				1,4-DICHLOROBENZENE	0.230	mg/kg	4.0E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.2E-10	1.1E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000002
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	2.6E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.9E-06	7.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	6.3E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-05	1.8E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.9
				AROCLOR-1260	108	mg/kg	1.9E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.8E-05	5.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	6.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.0005
				ARSENIC	2.20	mg/kg	3.8E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.8E-07	1.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				CADMIUM	2.70	mg/kg	4.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.001
				COBALT	11.6	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				IRON	17,200	mg/kg	3.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	21.6	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	3.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0006
				MERCURY	0.120	mg/kg	2.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0002
				MOLYBDENUM	0.830	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00008
				NICKEL	10.9	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				VANADIUM	24.0	mg/kg	4.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	2,340	mg/kg	4.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	8.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.3E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.1E-07	6.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								5.3E-05					0.9
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.004
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	5.4E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.6E-07	1.5E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.002
				1,4-DICHLOROBENZENE	0.230	mg/kg	1.6E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	8.6E-11	4.5E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0000006
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	4.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.3E-06	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	1.2E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.3E-05	3.3E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.6
				AROCLOR-1260	108	mg/kg	3.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.0E-05	9.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	8.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0004
				ARSENIC	2.20	mg/kg	1.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.3E-07	4.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				CADMIUM	2.70	mg/kg	6.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0007
				COBALT	11.6	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	17,200	mg/kg	4.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	4.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00008
				MERCURY	0.120	mg/kg	2.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0004
				MOLYBDENUM	0.830	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00001
				NICKEL	10.9	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0009
				VANADIUM	24.0	mg/kg	5.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	3.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.0E-07	8.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								9.7E-05					1.6
		Exposure Point Total									1.5E-04					2.6
	Exposure Medium Total										1.5E-04					2.6

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	3.0E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-05	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	1.5E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.3E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.2
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	1.3E-06	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	1.4E-08	3.7E-06	(mg/m^3)	8.0E-01	(mg/m^3)	0.000005
				BENZO(A)PYRENE EQUIVALENTS	4.6E-10	mg/m^3	3.8E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	4.2E-11	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	9.1E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	5.2E-10	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	2.7E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.6E-09	7.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	9.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	5.6E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.4E-10	1.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	8.4E-10	mg/m^3	6.8E-11	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.2E-10	1.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	2.9E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.6E-09	8.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.3E-6	mg/m^3	4.3E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	5.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	4.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	3.7E-11	mg/m^3	3.0E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				MOLYBDENUM	2.6E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	2.8E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	7.2E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	7.4E-9	mg/m^3	6.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	5.9E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	1.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	3.3E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.8E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								2.2E-08					0.2
		Exposure Point Total									2.2E-08					0.2
	Exposure Medium Total										2.2E-08					0.2
Medium Total											1.5E-04					2.8

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	2.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.1
				1,2,4-TRICHLOROBENZENE	724	mg/kg	1.3E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	3.7E-06	3.5E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.04
				1,3-DICHLOROBENZENE	4.20	mg/kg	7.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	1.8E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	9.8E-09	5.1E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00007
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	3.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.2E-06	8.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				AROCLOR-1254	9.80	mg/kg	1.7E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.4E-06	4.8E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.2
				AROCLOR-1260	709	mg/kg	1.2E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.5E-04	3.5E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	2.6E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.9E-07	7.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	4.00	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				IRON	17,100	mg/kg	3.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	3.60	mg/kg	6.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0003
				MERCURY	0.290	mg/kg	5.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0005
				VANADIUM	13.8	mg/kg	2.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				DIESEL RANGE ORGANICS	2,010	mg/kg	3.5E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	8.6E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.3E-08	2.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.00008
			Exp. Route Total								2.6E-04					0.4
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.04
				1,2,4-TRICHLOROBENZENE	724	mg/kg	5.0E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.5E-06	1.4E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				1,3-DICHLOROBENZENE	4.20	mg/kg	2.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	7.2E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	3.9E-09	2.0E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00003
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	5.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.7E-06	1.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	2.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				AROCLOR-1254	9.80	mg/kg	3.2E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.3E-06	8.9E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.4
				AROCLOR-1260	709	mg/kg	2.3E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.6E-04	6.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.6E-07	2.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0010
				COBALT	4.00	mg/kg	9.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				IRON	17,100	mg/kg	3.9E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00004
				MERCURY	0.290	mg/kg	6.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0009
				VANADIUM	13.8	mg/kg	3.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	1.1E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.3E-07	3.2E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0004
			Exp. Route Total								4.7E-04					0.5
		Exposure Point Total									7.3E-04					0.9
	Exposure Medium Total										7.3E-04					0.9

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	2.8E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.8E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	8.0E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.3E-03	(mg/m^3)	2.0E-03	(mg/m^3)	1.1
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	1.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	5.9E-05	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	6.5E-07	1.7E-04	(mg/m^3)	8.0E-01	(mg/m^3)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	5.3E-10	mg/m^3	4.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	4.7E-11	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	9.2E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.1E-09	2.6E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00009
				AROCLOR-1254	3.0E-9	mg/m^3	2.5E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.4E-10	6.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	1.8E-08	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.0E-08	5.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	3.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.6E-10	1.1E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.000007
				COBALT	1.2E-9	mg/m^3	1.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	9.1E-10	2.8E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00005
				IRON	5.3E-6	mg/m^3	4.3E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	9.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	2.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.6E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	9.0E-11	mg/m^3	7.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000007
				VANADIUM	4.3E-9	mg/m^3	3.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	5.1E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	2.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	1.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.0E-09	3.5E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								6.7E-07					1.1
		Exposure Point Total									6.7E-07					1.1
	Exposure Medium Total										6.7E-07					1.1
Medium Total											7.3E-04					2.0

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	6.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.10
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	3.2E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	9.3E-07	3.7E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.04
				1,4-DICHLOROBENZENE	0.230	mg/kg	9.5E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	5.1E-10	1.1E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	3.3E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.4E-05	7.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	1.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.0E-05	1.7E-04	(mg/kg/day)	2.0E-05	(mg/kg/day)	8.7
				AROCLOR-1260	108	mg/kg	4.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.9E-05	5.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.004
				ARSENIC	2.20	mg/kg	9.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-06	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				CADMIUM	2.70	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.01
				COBALT	11.6	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				IRON	17,200	mg/kg	7.1E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.3E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	21.6	mg/kg	8.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	7.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.006
				MERCURY	0.120	mg/kg	5.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				MOLYBDENUM	0.830	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0008
				NICKEL	10.9	mg/kg	4.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.003
				VANADIUM	24.0	mg/kg	9.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	2,340	mg/kg	9.7E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-02	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.9E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.4E-06	6.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								1.5E-04					9.2
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	4.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.007
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	2.3E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	6.6E-08	2.6E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.003
				1,4-DICHLOROBENZENE	0.230	mg/kg	6.7E-09	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	3.6E-11	7.8E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000001
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	1.0E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.4E-06	2.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	4.9E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.8E-06	5.7E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	2.9
				AROCLOR-1260	108	mg/kg	1.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.9E-05	1.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	3.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0007
				ARSENIC	2.20	mg/kg	6.4E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.6E-08	7.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	2.70	mg/kg	2.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.001
				COBALT	11.6	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				IRON	17,200	mg/kg	1.7E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.003
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0001
				MERCURY	0.120	mg/kg	1.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0006
				MOLYBDENUM	0.830	mg/kg	8.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00002
				NICKEL	10.9	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.002
				VANADIUM	24.0	mg/kg	2.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	6.7E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.3E-06	1.5E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								4.8E-05					2.9
		Exposure Point Total									1.9E-04					12
	Exposure Medium Total										1.9E-04					12

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	1.9E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-05	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	9.8E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.06
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	8.3E-08	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	9.1E-10	9.7E-07	(mg/m^3)	8.0E-01	(mg/m^3)	0.000001
				BENZO(A)PYRENE EQUIVALENTS	4.6E-10	mg/m^3	1.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.4E-11	2.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	5.8E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.3E-11	6.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	1.7E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	9.8E-11	2.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	5.9E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.9E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	3.5E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.5E-11	4.1E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000003
				CADMIUM	8.4E-10	mg/m^3	4.3E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	7.8E-12	5.0E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000005
				COBALT	3.6E-9	mg/m^3	1.9E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.7E-10	2.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00004
				IRON	5.3E-6	mg/m^3	2.8E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	3.5E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	2.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00006
				MERCURY	3.7E-11	mg/m^3	1.9E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000007
				MOLYBDENUM	2.6E-10	mg/m^3	1.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	1.7E-11	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	4.5E-12	2.0E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000002
				VANADIUM	7.4E-9	mg/m^3	3.8E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	3.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.4E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	7.7E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.1E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	9.3E-10	2.4E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								2.2E-09					0.06
		Exposure Point Total									2.2E-09					0.06
	Exposure Medium Total										2.2E-09					0.06
Medium Total											1.9E-04					12

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	6.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	1.0
				1,2,4-TRICHLOROBENZENE	724	mg/kg	3.0E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	8.7E-06	3.5E-03	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.3
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	4.3E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.3E-08	5.0E-05	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0007
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	3.7E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.7E-05	8.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	3.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00002
				AROCLOR-1254	9.80	mg/kg	4.1E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.1E-06	4.7E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	2.4
				AROCLOR-1260	709	mg/kg	2.9E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.9E-04	3.4E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	6.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.3E-07	7.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	4.00	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				IRON	17,100	mg/kg	7.1E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.2E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	3.60	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	3.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.003
				MERCURY	0.290	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				VANADIUM	13.8	mg/kg	5.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	2,010	mg/kg	8.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	3.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	1.1E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	5.4E-07	2.4E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0008
			Exp. Route Total								6.3E-04					3.9
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.07
				1,2,4-TRICHLOROBENZENE	724	mg/kg	2.1E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	6.1E-07	2.5E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	3.0E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.6E-09	3.5E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00005
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	1.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.4E-06	2.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	9.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000005
				AROCLOR-1254	9.80	mg/kg	1.3E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.7E-06	1.6E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.8
				AROCLOR-1260	709	mg/kg	9.6E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.9E-04	1.1E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	4.4E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	6.6E-08	5.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	4.00	mg/kg	3.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	17,100	mg/kg	1.7E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.003
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	9.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00008
				MERCURY	0.290	mg/kg	2.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.002
				VANADIUM	13.8	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	2.5E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.1E-07	5.6E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0007
			Exp. Route Total								2.1E-04					0.9
		Exposure Point Total									8.4E-04					4.8
	Exposure Medium Total										8.4E-04					4.8

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	1.8E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.1E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	5.1E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.3
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	6.7E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	3.7E-06	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	4.1E-08	4.4E-05	(mg/m^3)	8.0E-01	(mg/m^3)	0.00005
				BENZO(A)PYRENE EQUIVALENTS	5.3E-10	mg/m^3	1.5E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.6E-11	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	5.8E-09	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	2.0E-10	6.8E-08	(mg/m^3)	3.0E-03	(mg/m^3)	0.00002
				AROCLOR-1254	3.0E-9	mg/m^3	1.6E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	8.9E-12	1.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	1.1E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	6.5E-10	1.3E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	2.4E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.0E-11	2.8E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000002
				COBALT	1.2E-9	mg/m^3	6.4E-12	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.8E-11	7.5E-11	(mg/m^3)	6.0E-06	(mg/m^3)	0.00001
				IRON	5.3E-6	mg/m^3	2.7E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	5.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	1.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00004
				MERCURY	9.0E-11	mg/m^3	4.6E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.4E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000002
				VANADIUM	4.3E-9	mg/m^3	2.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	3.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.8E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	4.2E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.5E-10	9.1E-12	(mg/m^3)	1.0E-04	(mg/m^3)	0.00000009
			Exp. Route Total								4.2E-08					0.3
		Exposure Point Total									4.2E-08					0.3
	Exposure Medium Total										4.2E-08					0.3
Medium Total											8.4E-04					5.1

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	2.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.02
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	1.2E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	3.5E-07	7.0E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.007
				1,4-DICHLOROBENZENE	0.230	mg/kg	3.6E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.9E-10	2.1E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	6.2E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.5E-06	1.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	5.6E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.1E-05	3.3E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.6
				AROCLOR-1260	108	mg/kg	1.7E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.3E-05	9.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	5.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.0008
				ARSENIC	2.20	mg/kg	3.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.1E-07	2.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				CADMIUM	2.70	mg/kg	4.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.002
				COBALT	11.6	mg/kg	1.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				IRON	17,200	mg/kg	2.7E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	21.6	mg/kg	3.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	2.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.001
				MERCURY	0.120	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0004
				MOLYBDENUM	0.830	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.5E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				NICKEL	10.9	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.9E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0005
				VANADIUM	24.0	mg/kg	3.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.004
				DIESEL RANGE ORGANICS	2,340	mg/kg	3.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	7.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	5.4E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.7E-07	1.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								5.0E-05					1.7
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	6.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.005
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	3.1E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	9.1E-08	1.8E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.002
				1,4-DICHLOROBENZENE	0.230	mg/kg	9.2E-09	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	5.0E-11	5.4E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0000008
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	7.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.1E-06	1.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	6.7E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-05	3.9E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	2.0
				AROCLOR-1260	108	mg/kg	2.0E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.0E-05	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	5.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0005
				ARSENIC	2.20	mg/kg	8.8E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.3E-07	5.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	2.70	mg/kg	3.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0008
				COBALT	11.6	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	17,200	mg/kg	2.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	2.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00010
				MERCURY	0.120	mg/kg	1.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0004
				MOLYBDENUM	0.830	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00001
				NICKEL	10.9	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	24.0	mg/kg	3.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	4.6E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	9.3E-07	1.0E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								6.0E-05					2.0
		Exposure Point Total									1.1E-04					3.7
	Exposure Medium Total										1.1E-04					3.7

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	3.8E-06	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.2E-05	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	2.0E-05	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.1E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.06
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	1.7E-07	(mg/m^3)	1.1E-05	(ug/m^3)$^{-1}$	1.8E-09	9.7E-07	(mg/m^3)	8.0E-01	(mg/m^3)	0.000001
				BENZO(A)PYRENE EQUIVALENTS	4.6E-10	mg/m^3	1.3E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	1.4E-11	2.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	1.2E-10	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	6.6E-11	6.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	3.5E-10	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.0E-10	2.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	1.2E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.9E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	7.0E-12	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	3.0E-11	4.1E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000003
				CADMIUM	8.4E-10	mg/m^3	8.6E-12	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	1.6E-11	5.0E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000005
				COBALT	3.6E-9	mg/m^3	3.7E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	3.3E-10	2.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00004
				IRON	5.3E-6	mg/m^3	5.5E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.2E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	6.9E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	5.6E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.2E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00006
				MERCURY	3.7E-11	mg/m^3	3.8E-13	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000007
				MOLYBDENUM	2.6E-10	mg/m^3	2.7E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	3.5E-11	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	9.1E-12	2.0E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000002
				VANADIUM	7.4E-9	mg/m^3	7.7E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	7.5E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.4E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	1.5E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.1E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	9.3E-10	2.4E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								3.4E-09					0.06
		Exposure Point Total									3.4E-09					0.06
	Exposure Medium Total										3.4E-09					0.06
Medium Total											1.1E-04					3.8

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	2.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.2
				1,2,4-TRICHLOROBENZENE	724	mg/kg	1.1E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	3.3E-06	6.5E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.07
				1,3-DICHLOROBENZENE	4.20	mg/kg	6.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	1.6E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	8.7E-09	9.4E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0001
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	7.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.1E-06	1.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				AROCLOR-1254	9.80	mg/kg	1.5E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.0E-06	8.9E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.4
				AROCLOR-1260	709	mg/kg	1.1E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.2E-04	6.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	2.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.5E-07	1.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				COBALT	4.00	mg/kg	6.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				IRON	17,100	mg/kg	2.7E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	3.60	mg/kg	5.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	1.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0006
				MERCURY	0.290	mg/kg	4.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				VANADIUM	13.8	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	2,010	mg/kg	3.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	2.0E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.0E-07	4.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0001
			Exp. Route Total								2.3E-04					0.7
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	6.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.05
				1,2,4-TRICHLOROBENZENE	724	mg/kg	2.9E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	8.4E-07	1.7E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	4.2E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.3E-09	2.4E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00003
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	7.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.8E-06	1.7E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000004
				AROCLOR-1254	9.80	mg/kg	1.8E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.7E-06	1.1E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.5
				AROCLOR-1260	709	mg/kg	1.3E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.7E-04	7.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	6.0E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.0E-08	3.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				COBALT	4.00	mg/kg	5.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				IRON	17,100	mg/kg	2.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.290	mg/kg	3.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				VANADIUM	13.8	mg/kg	1.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	1.7E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.5E-07	3.8E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0005
			Exp. Route Total								2.8E-04					0.6
		Exposure Point Total									5.1E-04					1.3
	Exposure Medium Total										5.1E-04					1.3

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	3.6E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.1E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	1.0E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.3
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	1.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	7.5E-06	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	8.2E-08	4.4E-05	(mg/m^3)	8.0E-01	(mg/m^3)	0.00005
				BENZO(A)PYRENE EQUIVALENTS	5.3E-10	mg/m^3	1.5E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.6E-11	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	1.2E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	4.0E-10	6.8E-08	(mg/m^3)	3.0E-03	(mg/m^3)	0.00002
				AROCLOR-1254	3.0E-9	mg/m^3	3.1E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.8E-11	1.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	2.3E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.3E-09	1.3E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	4.8E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.1E-11	2.8E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000002
				COBALT	1.2E-9	mg/m^3	1.3E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.2E-10	7.5E-11	(mg/m^3)	6.0E-06	(mg/m^3)	0.00001
				IRON	5.3E-6	mg/m^3	5.5E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	1.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	3.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00004
				MERCURY	9.0E-11	mg/m^3	9.3E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.4E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000002
				VANADIUM	4.3E-9	mg/m^3	4.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	6.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.8E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	4.2E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.5E-10	9.1E-12	(mg/m^3)	1.0E-04	(mg/m^3)	0.00000009
			Exp. Route Total								8.5E-08					0.3
		Exposure Point Total									8.5E-08					0.3
	Exposure Medium Total										8.5E-08					0.3
Medium Total											5.1E-04					1.6

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.010
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	1.4E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	3.9E-07	3.8E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.004
				1,4-DICHLOROBENZENE	0.230	mg/kg	4.0E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.2E-10	1.1E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000002
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	2.6E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.9E-06	7.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	6.3E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-05	1.8E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.9
				AROCLOR-1260	108	mg/kg	1.9E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.8E-05	5.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	6.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.0005
				ARSENIC	2.20	mg/kg	3.8E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.8E-07	1.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				CADMIUM	2.70	mg/kg	4.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.001
				COBALT	11.6	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				IRON	17,200	mg/kg	3.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	21.6	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	3.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0006
				MERCURY	0.120	mg/kg	2.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0002
				MOLYBDENUM	0.830	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00008
				NICKEL	10.9	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				VANADIUM	24.0	mg/kg	4.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	2,340	mg/kg	4.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	8.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.3E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.1E-07	6.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								5.3E-05					0.9
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.004
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	5.4E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.6E-07	1.5E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.002
				1,4-DICHLOROBENZENE	0.230	mg/kg	1.6E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	8.6E-11	4.5E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0000006
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	4.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.3E-06	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	1.2E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.3E-05	3.3E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.6
				AROCLOR-1260	108	mg/kg	3.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.0E-05	9.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	8.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0004
				ARSENIC	2.20	mg/kg	1.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.3E-07	4.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				CADMIUM	2.70	mg/kg	6.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0007
				COBALT	11.6	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	17,200	mg/kg	4.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	4.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00008
				MERCURY	0.120	mg/kg	2.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0004
				MOLYBDENUM	0.830	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00001
				NICKEL	10.9	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0009
				VANADIUM	24.0	mg/kg	5.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	3.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.0E-07	8.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								9.7E-05					1.6
		Exposure Point Total									1.5E-04					2.6
	Exposure Medium Total										1.5E-04					2.6

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	3.0E-05	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.5E-05	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	1.5E-04	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.3E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.2
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	1.3E-06	(mg/m^3)	1.1E-05	(ug/m^3)$^{-1}$	1.4E-08	3.7E-06	(mg/m^3)	8.0E-01	(mg/m^3)	0.000005
				BENZO(A)PYRENE EQUIVALENTS	4.6E-10	mg/m^3	3.8E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	4.2E-11	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	9.1E-10	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	5.2E-10	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	2.7E-09	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.6E-09	7.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	9.3E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	5.6E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	2.4E-10	1.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	8.4E-10	mg/m^3	6.8E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	1.2E-10	1.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	2.9E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	2.6E-09	8.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.3E-6	mg/m^3	4.3E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	5.5E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	4.4E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	3.7E-11	mg/m^3	3.0E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.5E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				MOLYBDENUM	2.6E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	2.8E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	7.2E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	7.4E-9	mg/m^3	6.1E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	5.9E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	1.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	3.3E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	2.8E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								2.2E-08					0.2
		Exposure Point Total									2.2E-08					0.2
	Exposure Medium Total										2.2E-08					0.2
Medium Total											1.5E-04					2.8

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	2.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.1
				1,2,4-TRICHLOROBENZENE	724	mg/kg	1.3E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	3.7E-06	3.5E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.04
				1,3-DICHLOROBENZENE	4.20	mg/kg	7.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	1.8E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	9.8E-09	5.1E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00007
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	3.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.2E-06	8.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				AROCLOR-1254	9.80	mg/kg	1.7E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.4E-06	4.8E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.2
				AROCLOR-1260	709	mg/kg	1.2E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.5E-04	3.5E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	2.6E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.9E-07	7.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	4.00	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				IRON	17,100	mg/kg	3.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	3.60	mg/kg	6.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0003
				MERCURY	0.290	mg/kg	5.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0005
				VANADIUM	13.8	mg/kg	2.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				DIESEL RANGE ORGANICS	2,010	mg/kg	3.5E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	8.6E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.3E-08	2.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.00008
			Exp. Route Total								2.6E-04					0.4
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.04
				1,2,4-TRICHLOROBENZENE	724	mg/kg	5.0E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.5E-06	1.4E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				1,3-DICHLOROBENZENE	4.20	mg/kg	2.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	7.2E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	3.9E-09	2.0E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00003
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	5.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.7E-06	1.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	2.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				AROCLOR-1254	9.80	mg/kg	3.2E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.3E-06	8.9E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.4
				AROCLOR-1260	709	mg/kg	2.3E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.6E-04	6.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.6E-07	2.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0010
				COBALT	4.00	mg/kg	9.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				IRON	17,100	mg/kg	3.9E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00004
				MERCURY	0.290	mg/kg	6.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0009
				VANADIUM	13.8	mg/kg	3.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	1.1E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.3E-07	3.2E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0004
			Exp. Route Total								4.7E-04					0.5
		Exposure Point Total									7.3E-04					0.9
	Exposure Medium Total										7.3E-04					0.9

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	2.8E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.8E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	8.0E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.3E-03	(mg/m^3)	2.0E-03	(mg/m^3)	1.1
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	1.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	5.9E-05	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	6.5E-07	1.7E-04	(mg/m^3)	8.0E-01	(mg/m^3)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	5.3E-10	mg/m^3	4.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	4.7E-11	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	9.2E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.1E-09	2.6E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00009
				AROCLOR-1254	3.0E-9	mg/m^3	2.5E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.4E-10	6.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	1.8E-08	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.0E-08	5.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	3.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.6E-10	1.1E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.000007
				COBALT	1.2E-9	mg/m^3	1.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	9.1E-10	2.8E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00005
				IRON	5.3E-6	mg/m^3	4.3E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	9.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	2.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.6E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	9.0E-11	mg/m^3	7.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000007
				VANADIUM	4.3E-9	mg/m^3	3.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	5.1E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	2.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	1.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.0E-09	3.5E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								6.7E-07					1.1
		Exposure Point Total									6.7E-07					1.1
	Exposure Medium Total										6.7E-07					1.1
Medium Total											7.3E-04					2.0

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.2
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	6.1E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.8E-06	7.1E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.07
				1,4-DICHLOROBENZENE	0.230	mg/kg	1.8E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	9.7E-10	2.1E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00003
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	6.3E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.6E-05	1.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	2.8E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.6E-05	3.3E-04	(mg/kg/day)	2.0E-05	(mg/kg/day)	16
				AROCLOR-1260	108	mg/kg	8.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.7E-04	9.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	2.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.008
				ARSENIC	2.20	mg/kg	1.7E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.6E-06	2.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				CADMIUM	2.70	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.02
				COBALT	11.6	mg/kg	9.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.4
				IRON	17,200	mg/kg	1.3E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.2
				LEAD	21.6	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	1.4E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-03	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.01
				MERCURY	0.120	mg/kg	9.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				MOLYBDENUM	0.830	mg/kg	6.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				NICKEL	10.9	mg/kg	8.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.005
				VANADIUM	24.0	mg/kg	1.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.04
				DIESEL RANGE ORGANICS	2,340	mg/kg	1.8E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-02	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	3.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	5.4E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.7E-06	1.2E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.004
			Exp. Route Total								2.8E-04					17
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.02
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	5.1E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.5E-07	6.0E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.006
				1,4-DICHLOROBENZENE	0.230	mg/kg	1.5E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	8.2E-11	1.8E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	2.3E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.7E-05	5.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	1.1E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.2E-05	1.3E-04	(mg/kg/day)	2.0E-05	(mg/kg/day)	6.4
				AROCLOR-1260	108	mg/kg	3.3E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.6E-05	3.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	8.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.5E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	2.20	mg/kg	1.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-07	1.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				CADMIUM	2.70	mg/kg	5.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.9E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.003
				COBALT	11.6	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.010
				IRON	17,200	mg/kg	3.8E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.006
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0003
				MERCURY	0.120	mg/kg	2.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				MOLYBDENUM	0.830	mg/kg	1.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00004
				NICKEL	10.9	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.003
				VANADIUM	24.0	mg/kg	5.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.5E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.0E-06	3.3E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.004
			Exp. Route Total								1.1E-04					6.5
		Exposure Point Total									3.9E-04					24
	Exposure Medium Total										3.9E-04					24

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	7.2E-06	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.5E-05	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	3.7E-05	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.3E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.2
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	3.1E-07	(mg/m^3)	1.1E-05	(ug/m^3)$^{-1}$	3.5E-09	3.7E-06	(mg/m^3)	8.0E-01	(mg/m^3)	0.000005
				BENZO(A)PYRENE EQUIVALENTS	4.6E-10	mg/m^3	4.8E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	5.3E-11	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	2.2E-10	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.2E-10	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	6.5E-10	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	3.7E-10	7.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	2.2E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	1.3E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	5.7E-11	1.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	8.4E-10	mg/m^3	1.6E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	2.9E-11	1.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	7.0E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	6.3E-10	8.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.3E-6	mg/m^3	1.0E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	1.3E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	3.7E-11	mg/m^3	7.3E-13	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.5E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				MOLYBDENUM	2.6E-10	mg/m^3	5.0E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	6.6E-11	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	1.7E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	7.4E-9	mg/m^3	1.5E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	1.4E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	2.9E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	4.2E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	3.5E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								8.3E-09					0.2
		Exposure Point Total									8.3E-09					0.2
	Exposure Medium Total										8.3E-09					0.2
Medium Total											3.9E-04					24

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	1.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-03	(mg/kg/day)	8.0E-04	(mg/kg/day)	1.9
				1,2,4-TRICHLOROBENZENE	724	mg/kg	5.7E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.6E-05	6.6E-03	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.7
				1,3-DICHLOROBENZENE	4.20	mg/kg	3.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	8.1E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	4.4E-08	9.5E-05	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.001
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	7.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.2E-05	1.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	5.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00003
				AROCLOR-1254	9.80	mg/kg	7.7E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.5E-05	8.9E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	4.5
				AROCLOR-1260	709	mg/kg	5.5E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.1E-03	6.5E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	1.2E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.8E-06	1.4E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				COBALT	4.00	mg/kg	3.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				IRON	17,100	mg/kg	1.3E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.2
				LEAD	3.60	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	7.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.6E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.006
				MERCURY	0.290	mg/kg	2.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				VANADIUM	13.8	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.03
				DIESEL RANGE ORGANICS	2,010	mg/kg	1.6E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-02	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	6.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	2.0E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.0E-06	4.5E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								1.2E-03					7.5
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.2
				1,2,4-TRICHLOROBENZENE	724	mg/kg	4.8E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.4E-06	5.6E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.06
				1,3-DICHLOROBENZENE	4.20	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	6.8E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	3.7E-09	8.0E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0001
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	2.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.9E-05	5.7E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	2.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00001
				AROCLOR-1254	9.80	mg/kg	3.0E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.0E-06	3.5E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.8
				AROCLOR-1260	709	mg/kg	2.2E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.4E-04	2.5E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	9.9E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-07	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				COBALT	4.00	mg/kg	8.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	17,100	mg/kg	3.7E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.006
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0002
				MERCURY	0.290	mg/kg	6.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.004
				VANADIUM	13.8	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0007
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	5.7E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.1E-06	1.3E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								4.6E-04					2.0
		Exposure Point Total									1.7E-03					9.4
	Exposure Medium Total										1.7E-03					9.4

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	6.7E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.8E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	1.9E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.3E-03	(mg/m^3)	2.0E-03	(mg/m^3)	1.1
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	2.5E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	1.4E-05	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	1.6E-07	1.7E-04	(mg/m^3)	8.0E-01	(mg/m^3)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	5.3E-10	mg/m^3	5.5E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.0E-11	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	2.2E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	7.5E-10	2.6E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00009
				AROCLOR-1254	3.0E-9	mg/m^3	5.9E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.4E-11	6.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	4.3E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.4E-09	5.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	9.1E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.9E-11	1.1E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.000007
				COBALT	1.2E-9	mg/m^3	2.4E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.2E-10	2.8E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00005
				IRON	5.3E-6	mg/m^3	1.0E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	2.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	5.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.6E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	9.0E-11	mg/m^3	1.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000007
				VANADIUM	4.3E-9	mg/m^3	8.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	1.2E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	4.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	1.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-09	3.5E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								1.6E-07					1.1
		Exposure Point Total									1.6E-07					1.1
	Exposure Medium Total										1.6E-07					1.1
Medium Total											1.7E-03					11

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.03
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	2.3E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	6.6E-07	1.3E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				1,4-DICHLOROBENZENE	0.230	mg/kg	6.8E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	3.6E-10	3.9E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000006
				BENZO(A)PYRENE EQUIVALE	1.50	mg/kg	1.2E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.6E-06	2.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	1.1E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.1E-05	6.2E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	3.1
				AROCLOR-1260	108	mg/kg	3.2E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.3E-05	1.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	2.20	mg/kg	6.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.7E-07	3.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	2.70	mg/kg	7.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.005
				COBALT	11.6	mg/kg	3.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				IRON	17,200	mg/kg	5.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.04
				LEAD	21.6	mg/kg	6.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	5.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.002
				MERCURY	0.120	mg/kg	3.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0007
				MOLYBDENUM	0.830	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				NICKEL	10.9	mg/kg	3.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0009
				VANADIUM	24.0	mg/kg	7.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.008
				DIESEL RANGE ORGANICS	2,340	mg/kg	6.9E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.0E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	5.1E-07	2.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0007
			Exp. Route Total								9.5E-05					3.3
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	4.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.003
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	2.1E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	6.0E-08	1.2E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.001
				1,4-DICHLOROBENZENE	0.230	mg/kg	6.1E-09	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	3.3E-11	3.6E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0000005
				BENZO(A)PYRENE EQUIVALE	1.50	mg/kg	4.6E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.4E-06	1.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	4.5E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.9E-06	2.6E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.3
				AROCLOR-1260	108	mg/kg	1.3E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.7E-05	7.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	3.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0003
				ARSENIC	2.20	mg/kg	5.9E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.8E-08	3.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				CADMIUM	2.70	mg/kg	2.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0006
				COBALT	11.6	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	17,200	mg/kg	1.5E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.001
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00006
				MERCURY	0.120	mg/kg	1.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0003
				MOLYBDENUM	0.830	mg/kg	7.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000009
				NICKEL	10.9	mg/kg	9.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0007
				VANADIUM	24.0	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	3.1E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.2E-07	6.7E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								4.0E-05					1.3
		Exposure Point Total									1.4E-04					4.6
	Exposure Medium Total										1.4E-04					4.6

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	1.4E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-05	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	7.4E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.3E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.2
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	6.3E-07	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	6.9E-09	3.7E-06	(mg/m^3)	8.0E-01	(mg/m^3)	0.000005
				BENZO(A)PYRENE EQUIVALE	4.6E-10	mg/m^3	4.8E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	5.3E-11	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	4.4E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.5E-10	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	1.3E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	7.5E-10	7.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	4.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	2.7E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.1E-10	1.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	8.4E-10	mg/m^3	3.3E-11	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	5.9E-11	1.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	1.4E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.3E-09	8.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.3E-6	mg/m^3	2.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	2.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	3.7E-11	mg/m^3	1.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				MOLYBDENUM	2.6E-10	mg/m^3	1.0E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	1.3E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	3.4E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	7.4E-9	mg/m^3	2.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	2.8E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	5.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	4.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.5E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								1.3E-08					0.2
		Exposure Point Total									1.3E-08					0.2
	Exposure Medium Total										1.3E-08					0.2
Medium Total											1.4E-04					4.8

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	4.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.4
				1,2,4-TRICHLOROBENZENE	724	mg/kg	2.1E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	6.2E-06	1.2E-03	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.1
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	3.1E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.6E-08	1.8E-05	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0003
				BENZO(A)PYRENE EQUIVALE	1.70	mg/kg	1.3E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	9.7E-06	2.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	2.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000006
				AROCLOR-1254	9.80	mg/kg	2.9E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.8E-06	1.7E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.8
				AROCLOR-1260	709	mg/kg	2.1E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.2E-04	1.2E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	4.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	6.6E-07	2.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				COBALT	4.00	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				IRON	17,100	mg/kg	5.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.04
				LEAD	3.60	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.001
				MERCURY	0.290	mg/kg	8.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				VANADIUM	13.8	mg/kg	4.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				DIESEL RANGE ORGANICS	2,010	mg/kg	5.9E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	2.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	3.8E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.9E-07	8.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								4.4E-04					1.4
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	4.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.03
				1,2,4-TRICHLOROBENZENE	724	mg/kg	1.9E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	5.6E-07	1.1E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	2.8E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.5E-09	1.6E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00002
				BENZO(A)PYRENE EQUIVALE	1.70	mg/kg	5.2E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.8E-06	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	8.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				AROCLOR-1254	9.80	mg/kg	1.2E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.4E-06	7.1E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.4
				AROCLOR-1260	709	mg/kg	8.8E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.8E-04	5.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	4.0E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	6.0E-08	2.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0008
				COBALT	4.00	mg/kg	3.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0007
				IRON	17,100	mg/kg	1.5E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.001
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	8.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.290	mg/kg	2.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0007
				VANADIUM	13.8	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.1E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0001
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	1.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.3E-07	2.5E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0003
			Exp. Route Total								1.8E-04					0.4
		Exposure Point Total									6.2E-04					1.8
	Exposure Medium Total										6.2E-04					1.8

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	1.3E-04	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	7.8E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	3.9E-04	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.3E-03	(mg/m^3)	2.0E-03	(mg/m^3)	1.1
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	5.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	2.8E-05	(mg/m^3)	1.1E-05	(ug/m^3)$^{-1}$	3.1E-07	1.7E-04	(mg/m^3)	8.0E-01	(mg/m^3)	0.0002
				BENZO(A)PYRENE EQUIVALE	5.3E-10	mg/m^3	5.5E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	6.0E-11	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	4.4E-08	(mg/m^3)	3.4E-05	(ug/m^3)$^{-1}$	1.5E-09	2.6E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00009
				AROCLOR-1254	3.0E-9	mg/m^3	1.2E-10	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	6.8E-11	6.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	8.6E-09	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	4.9E-09	5.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	1.8E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	7.8E-11	1.1E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.000007
				COBALT	1.2E-9	mg/m^3	4.8E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	4.4E-10	2.8E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00005
				IRON	5.3E-6	mg/m^3	2.1E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	4.4E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.6E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	9.0E-11	mg/m^3	3.5E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.0E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000007
				VANADIUM	4.3E-9	mg/m^3	1.7E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	2.4E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.4E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	9.8E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	1.6E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	1.3E-09	3.5E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								3.2E-07					1.1
		Exposure Point Total									3.2E-07					1.1
	Exposure Medium Total										3.2E-07					1.1
Medium Total											6.2E-04					2.9

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	2.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.02
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	1.3E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	3.8E-07	7.6E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.008
				1,4-DICHLOROBENZENE	0.230	mg/kg	3.9E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.1E-10	2.3E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	2.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.8E-06	1.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	6.0E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.2E-05	3.5E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.8
				AROCLOR-1260	108	mg/kg	1.8E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.6E-05	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	6.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.0009
				ARSENIC	2.20	mg/kg	3.7E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.5E-07	2.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				CADMIUM	2.70	mg/kg	4.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.003
				COBALT	11.6	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				IRON	17,200	mg/kg	2.9E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	21.6	mg/kg	3.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	2.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.001
				MERCURY	0.120	mg/kg	2.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0004
				MOLYBDENUM	0.830	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				NICKEL	10.9	mg/kg	1.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0005
				VANADIUM	24.0	mg/kg	4.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				DIESEL RANGE ORGANICS	2,340	mg/kg	3.9E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	8.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.2E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.1E-07	1.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								5.1E-05					1.9
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	3.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.002
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	1.6E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	4.5E-08	9.1E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0009
				1,4-DICHLOROBENZENE	0.230	mg/kg	4.6E-09	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.5E-11	2.7E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0000004
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	1.3E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	9.5E-07	7.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	3.4E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.7E-06	2.0E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.0
				AROCLOR-1260	108	mg/kg	1.0E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.0E-05	5.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	2.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0002
				ARSENIC	2.20	mg/kg	4.4E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	6.6E-08	2.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				CADMIUM	2.70	mg/kg	1.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0004
				COBALT	11.6	mg/kg	7.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	17,200	mg/kg	1.2E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.0010
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.120	mg/kg	8.0E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0002
				MOLYBDENUM	0.830	mg/kg	5.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000006
				NICKEL	10.9	mg/kg	7.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0005
				VANADIUM	24.0	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	8.7E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.7E-07	5.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0007
			Exp. Route Total								2.8E-05					1.0
		Exposure Point Total									7.9E-05					2.9
	Exposure Medium Total										7.9E-05					2.9

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	1.4E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-05	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	7.4E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.3E-04	(mg/m^3)	2.0E-03	(mg/m^3)	0.2
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	6.3E-07	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	6.9E-09	3.7E-06	(mg/m^3)	8.0E-01	(mg/m^3)	0.000005
				BENZO(A)PYRENE EQUIVALENTS	4.6E-10	mg/m^3	1.8E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.0E-11	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	4.4E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.5E-10	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	1.3E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	7.5E-10	7.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	4.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	2.7E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.1E-10	1.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	8.4E-10	mg/m^3	3.3E-11	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	5.9E-11	1.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00002
				COBALT	3.6E-9	mg/m^3	1.4E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.3E-09	8.2E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				IRON	5.3E-6	mg/m^3	2.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	2.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	3.7E-11	mg/m^3	1.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				MOLYBDENUM	2.6E-10	mg/m^3	1.0E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	1.3E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	3.4E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	7.4E-9	mg/m^3	2.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	2.8E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	5.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								1.1E-08					0.2
		Exposure Point Total									1.1E-08					0.2
	Exposure Medium Total										1.1E-08					0.2
Medium Total											7.9E-05					3.1

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.2
				1,2,4-TRICHLOROBENZENE	724	mg/kg	1.2E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	3.5E-06	7.1E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.07
				1,3-DICHLOROBENZENE	4.20	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	1.7E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	9.4E-09	1.0E-05	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0001
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	2.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.1E-06	1.7E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	1.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000004
				AROCLOR-1254	9.80	mg/kg	1.6E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.3E-06	9.6E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.5
				AROCLOR-1260	709	mg/kg	1.2E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.4E-04	6.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	2.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.8E-07	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				COBALT	4.00	mg/kg	6.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				IRON	17,100	mg/kg	2.9E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	3.60	mg/kg	6.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.2E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0007
				MERCURY	0.290	mg/kg	4.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				VANADIUM	13.8	mg/kg	2.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	2,010	mg/kg	3.4E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	8.2E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.1E-08	4.8E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								2.5E-04					0.8
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	3.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.02
				1,2,4-TRICHLOROBENZENE	724	mg/kg	1.5E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	4.2E-07	8.5E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.008
				1,3-DICHLOROBENZENE	4.20	mg/kg	8.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	2.1E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.1E-09	1.2E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	1.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.1E-06	8.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	6.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				AROCLOR-1254	9.80	mg/kg	9.2E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.8E-06	5.4E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.3
				AROCLOR-1260	709	mg/kg	6.6E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-04	3.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	3.0E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.5E-08	1.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0006
				COBALT	4.00	mg/kg	2.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0005
				IRON	17,100	mg/kg	1.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.0010
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	6.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.290	mg/kg	1.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0005
				VANADIUM	13.8	mg/kg	9.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0001
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	3.3E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.6E-08	1.9E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0003
			Exp. Route Total								1.4E-04					0.3
		Exposure Point Total									3.8E-04					1.1
	Exposure Medium Total										3.8E-04					1.1

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	1.3E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.8E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	3.9E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.3E-03	(mg/m^3)	2.0E-03	(mg/m^3)	1.1
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	5.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	2.8E-05	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	3.1E-07	1.7E-04	(mg/m^3)	8.0E-01	(mg/m^3)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	5.3E-10	mg/m^3	2.1E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.3E-11	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	4.4E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.5E-09	2.6E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00009
				AROCLOR-1254	3.0E-9	mg/m^3	1.2E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	6.8E-11	6.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	8.6E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.9E-09	5.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	1.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.8E-11	1.1E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.000007
				COBALT	1.2E-9	mg/m^3	4.8E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.4E-10	2.8E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00005
				IRON	5.3E-6	mg/m^3	2.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	4.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.6E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0001
				MERCURY	9.0E-11	mg/m^3	3.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000007
				VANADIUM	4.3E-9	mg/m^3	1.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	2.4E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	9.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	5.9E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	5.0E-10	3.5E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								3.2E-07					1.1
		Exposure Point Total									3.2E-07					1.1
	Exposure Medium Total										3.2E-07					1.1
Medium Total											3.8E-04					2.2

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	1.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.3
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	8.5E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	2.5E-06	9.9E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.10
				1,4-DICHLOROBENZENE	0.230	mg/kg	2.5E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.4E-09	2.9E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00004
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	8.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.4E-05	1.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	3.9E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.9E-05	4.6E-04	(mg/kg/day)	2.0E-05	(mg/kg/day)	23
				AROCLOR-1260	108	mg/kg	1.2E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.4E-04	1.4E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	4.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.01
				ARSENIC	2.20	mg/kg	2.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-06	2.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.09
				CADMIUM	2.70	mg/kg	3.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.03
				COBALT	11.6	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.5
				IRON	17,200	mg/kg	1.9E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.3
				LEAD	21.6	mg/kg	2.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	1.9E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-03	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.02
				MERCURY	0.120	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				MOLYBDENUM	0.830	mg/kg	9.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				NICKEL	10.9	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.007
				VANADIUM	24.0	mg/kg	2.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.06
				DIESEL RANGE ORGANICS	2,340	mg/kg	2.6E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-02	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	5.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	7.6E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.8E-06	1.7E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.006
			Exp. Route Total								3.9E-04					24
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.02
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	7.2E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	2.1E-07	8.3E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.008
				1,4-DICHLOROBENZENE	0.230	mg/kg	2.1E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.1E-10	2.5E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000004
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	3.2E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.3E-05	7.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	1.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.1E-05	1.8E-04	(mg/kg/day)	2.0E-05	(mg/kg/day)	9.0
				AROCLOR-1260	108	mg/kg	4.6E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.3E-05	5.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	2.20	mg/kg	2.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.0E-07	2.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				CADMIUM	2.70	mg/kg	8.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.004
				COBALT	11.6	mg/kg	3.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				IRON	17,200	mg/kg	5.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.009
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	5.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0004
				MERCURY	0.120	mg/kg	3.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.002
				MOLYBDENUM	0.830	mg/kg	2.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00006
				NICKEL	10.9	mg/kg	3.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.005
				VANADIUM	24.0	mg/kg	7.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.1E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	4.3E-06	4.7E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.006
			Exp. Route Total								1.5E-04					9.1
		Exposure Point Total									5.4E-04					34
	Exposure Medium Total										5.4E-04					34

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	3.0E-05	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.5E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	1.6E-04	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.8E-03	(mg/m^3)	2.0E-03	(mg/m^3)	0.9
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	1.3E-06	(mg/m^3)	1.1E-05	(ug/m^3)$^{-1}$	1.4E-08	1.5E-05	(mg/m^3)	8.0E-01	(mg/m^3)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	4.6E-10	mg/m^3	2.0E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	2.2E-10	4.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	9.2E-10	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	5.2E-10	1.1E-08	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	2.7E-09	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.6E-09	3.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	9.4E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	5.6E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	2.4E-10	6.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00004
				CADMIUM	8.4E-10	mg/m^3	6.9E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	1.2E-10	8.0E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00008
				COBALT	3.6E-9	mg/m^3	3.0E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	2.7E-09	3.4E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				IRON	5.3E-6	mg/m^3	4.4E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	5.5E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	4.4E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.2E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.001
				MERCURY	3.7E-11	mg/m^3	3.1E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000001
				MOLYBDENUM	2.6E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	2.8E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	7.2E-11	3.2E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	7.4E-9	mg/m^3	6.1E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	7.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	6.0E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.9E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	1.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.8E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	1.5E-08	3.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								3.5E-08					0.9
		Exposure Point Total									3.5E-08					0.9
	Exposure Medium Total										3.5E-08					0.9
Medium Total											5.4E-04					34

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	1.8E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-03	(mg/kg/day)	8.0E-04	(mg/kg/day)	2.6
				1,2,4-TRICHLOROBENZENE	724	mg/kg	7.9E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	2.3E-05	9.3E-03	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.9
				1,3-DICHLOROBENZENE	4.20	mg/kg	4.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	1.1E-05	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	6.2E-08	1.3E-04	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.002
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	9.9E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.3E-05	2.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	7.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.2E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00005
				AROCLOR-1254	9.80	mg/kg	1.1E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.1E-05	1.3E-04	(mg/kg/day)	2.0E-05	(mg/kg/day)	6.3
				AROCLOR-1260	709	mg/kg	7.8E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.6E-03	9.1E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	1.6E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.5E-06	1.9E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				COBALT	4.00	mg/kg	4.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				IRON	17,100	mg/kg	1.9E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.3
				LEAD	3.60	mg/kg	3.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	1.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.009
				MERCURY	0.290	mg/kg	3.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				VANADIUM	13.8	mg/kg	1.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.04
				DIESEL RANGE ORGANICS	2,010	mg/kg	2.2E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-02	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	8.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	2.9E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.4E-06	6.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								1.7E-03					10
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	1.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.2
				1,2,4-TRICHLOROBENZENE	724	mg/kg	6.7E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	1.9E-06	7.8E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.08
				1,3-DICHLOROBENZENE	4.20	mg/kg	3.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	9.6E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	5.2E-09	1.1E-05	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0002
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	3.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.6E-05	7.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	2.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00002
				AROCLOR-1254	9.80	mg/kg	4.2E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.4E-06	4.9E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	2.5
				AROCLOR-1260	709	mg/kg	3.0E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.1E-04	3.6E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	1.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.1E-07	1.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				COBALT	4.00	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				IRON	17,100	mg/kg	5.2E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.009
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	2.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0002
				MERCURY	0.290	mg/kg	8.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.005
				VANADIUM	13.8	mg/kg	4.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0010
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	8.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.6E-06	1.8E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								6.5E-04					2.8
		Exposure Point Total									2.3E-03					13
	Exposure Medium Total										2.3E-03					13

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	2.8E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-03	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	8.1E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.5E-03	(mg/m^3)	2.0E-03	(mg/m^3)	4.7
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	1.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	6.0E-05	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	6.6E-07	7.0E-04	(mg/m^3)	8.0E-01	(mg/m^3)	0.0009
				BENZO(A)PYRENE EQUIVALENTS	5.3E-10	mg/m^3	2.3E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.5E-10	5.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	9.2E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.1E-09	1.1E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0004
				AROCLOR-1254	3.0E-9	mg/m^3	2.5E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.4E-10	2.9E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	1.8E-08	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.0E-08	2.1E-07	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	3.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.6E-10	4.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00003
				COBALT	1.2E-9	mg/m^3	1.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	9.2E-10	1.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				IRON	5.3E-6	mg/m^3	4.4E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	9.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	2.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0006
				MERCURY	9.0E-11	mg/m^3	7.4E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000003
				VANADIUM	4.3E-9	mg/m^3	3.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	5.1E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.0E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	2.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	6.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	5.6E-09	1.5E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000001
			Exp. Route Total								6.8E-07					4.7
		Exposure Point Total									6.8E-07					4.7
	Exposure Medium Total										6.8E-07					4.7
	Exposure Medium Total										6.8E-07					4.7
Medium Total											2.3E-03					18

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	6.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.05
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	3.2E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	9.3E-07	1.9E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				1,4-DICHLOROBENZENE	0.230	mg/kg	9.5E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	5.1E-10	5.5E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000008
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	1.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.2E-05	3.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	1.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.0E-05	8.6E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	4.3
				AROCLOR-1260	108	mg/kg	4.4E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.9E-05	2.6E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	2.20	mg/kg	9.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-06	5.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	2.70	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.006
				COBALT	11.6	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.09
				IRON	17,200	mg/kg	7.1E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.06
				LEAD	21.6	mg/kg	8.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	7.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.003
				MERCURY	0.120	mg/kg	4.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0010
				MOLYBDENUM	0.830	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				NICKEL	10.9	mg/kg	4.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.001
				VANADIUM	24.0	mg/kg	9.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	2,340	mg/kg	9.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.4E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	7.1E-07	3.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								1.3E-04					4.6
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	6.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.004
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	2.9E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	8.4E-08	1.7E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.002
				1,4-DICHLOROBENZENE	0.230	mg/kg	8.6E-09	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	4.6E-11	5.0E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0000007
				BENZO(A)PYRENE EQUIVALENTS	1.50	mg/kg	6.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.7E-06	1.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	6.3E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-05	3.7E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.8
				AROCLOR-1260	108	mg/kg	1.9E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.8E-05	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	4.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0004
				ARSENIC	2.20	mg/kg	8.2E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.2E-07	4.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	2.70	mg/kg	3.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0008
				COBALT	11.6	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				IRON	17,200	mg/kg	2.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00009
				MERCURY	0.120	mg/kg	1.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.7E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0004
				MOLYBDENUM	0.830	mg/kg	1.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00001
				NICKEL	10.9	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0010
				VANADIUM	24.0	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	4.3E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	8.6E-07	9.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								5.6E-05					1.8
		Exposure Point Total									1.9E-04					6.4
	Exposure Medium Total										1.9E-04					6.4

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	6.1E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.5E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	3.1E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-03	(mg/m^3)	2.0E-03	(mg/m^3)	0.9
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	2.6E-06	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	2.9E-08	1.5E-05	(mg/m^3)	8.0E-01	(mg/m^3)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	4.6E-10	mg/m^3	2.0E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.2E-10	4.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	1.8E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.0E-09	1.1E-08	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	5.5E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.1E-09	3.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	1.9E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	1.1E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	4.8E-10	6.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00004
				CADMIUM	8.4E-10	mg/m^3	1.4E-10	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	2.5E-10	8.0E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00008
				COBALT	3.6E-9	mg/m^3	5.9E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.3E-09	3.4E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				IRON	5.3E-6	mg/m^3	8.8E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	8.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.2E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.001
				MERCURY	3.7E-11	mg/m^3	6.1E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000001
				MOLYBDENUM	2.6E-10	mg/m^3	4.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	5.5E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.4E-10	3.2E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	7.4E-9	mg/m^3	1.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	1.2E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.9E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	2.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.8E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.5E-08	3.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								5.4E-08					0.9
		Exposure Point Total									5.4E-08					0.9
	Exposure Medium Total										5.4E-08					0.9
Medium Total											1.9E-04					7.3

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	6.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.5
				1,2,4-TRICHLOROBENZENE	724	mg/kg	3.0E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	8.6E-06	1.7E-03	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.2
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	4.3E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.3E-08	2.5E-05	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0004
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	1.9E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.4E-05	4.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	3.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000009
				AROCLOR-1254	9.80	mg/kg	4.0E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.1E-06	2.3E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.2
				AROCLOR-1260	709	mg/kg	2.9E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.8E-04	1.7E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	6.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.2E-07	3.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	4.00	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				IRON	17,100	mg/kg	7.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.06
				LEAD	3.60	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	3.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.002
				MERCURY	0.290	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				VANADIUM	13.8	mg/kg	5.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.007
				DIESEL RANGE ORGANICS	2,010	mg/kg	8.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	3.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	5.4E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.7E-07	1.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								6.1E-04					2.0
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	6.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.04
				1,2,4-TRICHLOROBENZENE	724	mg/kg	2.7E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	7.8E-07	1.6E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	3.9E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.1E-09	2.3E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00003
				BENZO(A)PYRENE EQUIVALENTS	1.70	mg/kg	7.3E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.3E-06	1.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	1.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				AROCLOR-1254	9.80	mg/kg	1.7E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.4E-06	9.9E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.5
				AROCLOR-1260	709	mg/kg	1.2E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.5E-04	7.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	5.6E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.4E-08	3.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				COBALT	4.00	mg/kg	5.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0010
				IRON	17,100	mg/kg	2.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.290	mg/kg	3.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				VANADIUM	13.8	mg/kg	1.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	1.6E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.2E-07	3.6E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0005
			Exp. Route Total								2.6E-04					0.6
		Exposure Point Total									8.7E-04					2.5
	Exposure Medium Total										8.7E-04					2.5

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	5.7E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-03	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	1.6E-03	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.5E-03	(mg/m^3)	2.0E-03	(mg/m^3)	4.7
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	2.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	1.2E-04	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	1.3E-06	7.0E-04	(mg/m^3)	8.0E-01	(mg/m^3)	0.0009
				BENZO(A)PYRENE EQUIVALENTS	5.3E-10	mg/m^3	2.3E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.5E-10	5.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	1.8E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.3E-09	1.1E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0004
				AROCLOR-1254	3.0E-9	mg/m^3	5.0E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.8E-10	2.9E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	3.6E-08	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.1E-08	2.1E-07	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	7.6E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.3E-10	4.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00003
				COBALT	1.2E-9	mg/m^3	2.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.8E-09	1.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				IRON	5.3E-6	mg/m^3	8.7E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	4.8E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0006
				MERCURY	9.0E-11	mg/m^3	1.5E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000003
				VANADIUM	4.3E-9	mg/m^3	7.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	1.0E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.0E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	4.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	6.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	5.6E-09	1.5E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000001
			Exp. Route Total								1.3E-06					4.7
		Exposure Point Total									1.3E-06					4.7
	Exposure Medium Total										1.3E-06					4.7
Medium Total											8.7E-04					7.2

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.03
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	1.8E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	5.3E-07	1.1E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				1,4-DICHLOROBENZENE	0.230	mg/kg	5.4E-08	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	2.9E-10	3.2E-07	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.000005
				BENZO(A)PYRENE EQUIVALE	1.50	mg/kg	3.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.6E-06	2.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	8.5E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.7E-05	4.9E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	2.5
				AROCLOR-1260	108	mg/kg	2.5E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.1E-05	1.5E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	8.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.001
				ARSENIC	2.20	mg/kg	5.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	7.7E-07	3.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	2.70	mg/kg	6.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.004
				COBALT	11.6	mg/kg	2.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				IRON	17,200	mg/kg	4.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.03
				LEAD	21.6	mg/kg	5.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	4.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.002
				MERCURY	0.120	mg/kg	2.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0005
				MOLYBDENUM	0.830	mg/kg	1.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				NICKEL	10.9	mg/kg	2.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0007
				VANADIUM	24.0	mg/kg	5.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.007
				DIESEL RANGE ORGANICS	2,340	mg/kg	5.5E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	3.1E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.5E-07	1.8E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0006
			Exp. Route Total								7.2E-05					2.6
			Dermal	1,2,3-TRICHLOROBENZENE	16.3	mg/kg	4.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.003
				1,2,4-TRICHLOROBENZENE	77.7	mg/kg	2.2E-06	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	6.3E-08	1.3E-05	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.001
				1,4-DICHLOROBENZENE	0.230	mg/kg	6.5E-09	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	3.5E-11	3.8E-08	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0000005
				BENZO(A)PYRENE EQUIVALE	1.50	mg/kg	1.8E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.3E-06	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	36.0	mg/kg	4.7E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.4E-06	2.8E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	1.4
				AROCLOR-1260	108	mg/kg	1.4E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.8E-05	8.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.370	mg/kg	3.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0003
				ARSENIC	2.20	mg/kg	6.2E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.3E-08	3.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				CADMIUM	2.70	mg/kg	2.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0006
				COBALT	11.6	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				IRON	17,200	mg/kg	1.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.001
				LEAD	21.6	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	174	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.5E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00007
				MERCURY	0.120	mg/kg	1.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0003
				MOLYBDENUM	0.830	mg/kg	7.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000009
				NICKEL	10.9	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0007
				VANADIUM	24.0	mg/kg	2.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	2,340	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	0.480	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.4E-07	7.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								4.0E-05					1.4
		Exposure Point Total									1.1E-04					4.0
	Exposure Medium Total										1.1E-04					4.0

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	3.7E-4	mg/m^3	6.1E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.5E-04	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.002	mg/m^3	3.1E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-03	(mg/m^3)	2.0E-03	(mg/m^3)	0.9
				1,4-DICHLOROBENZENE	1.6E-5	mg/m^3	2.6E-06	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	2.9E-08	1.5E-05	(mg/m^3)	8.0E-01	(mg/m^3)	0.00002
				BENZO(A)PYRENE EQUIVALE	4.6E-10	mg/m^3	7.6E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	8.4E-11	4.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	1.1E-8	mg/m^3	1.8E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.0E-09	1.1E-08	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	3.3E-8	mg/m^3	5.5E-09	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.1E-09	3.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.1E-10	mg/m^3	1.9E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	6.8E-10	mg/m^3	1.1E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	4.8E-10	6.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00004
				CADMIUM	8.4E-10	mg/m^3	1.4E-10	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	2.5E-10	8.0E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00008
				COBALT	3.6E-9	mg/m^3	5.9E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.3E-09	3.4E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				IRON	5.3E-6	mg/m^3	8.8E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	6.7E-9	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	5.4E-8	mg/m^3	8.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.2E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.001
				MERCURY	3.7E-11	mg/m^3	6.1E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000001
				MOLYBDENUM	2.6E-10	mg/m^3	4.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	5.5E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.4E-10	3.2E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	7.4E-9	mg/m^3	1.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.2E-7	mg/m^3	1.2E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.9E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-10	mg/m^3	2.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	6.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	5.6E-09	3.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								4.5E-08					0.9
		Exposure Point Total									4.5E-08					0.9
	Exposure Medium Total										4.5E-08					0.9
Medium Total											1.1E-04					4.9

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block E	Ingestion	1,2,3-TRICHLOROBENZENE	165	mg/kg	3.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-04	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.3
				1,2,4-TRICHLOROBENZENE	724	mg/kg	1.7E-04	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	4.9E-06	9.9E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.10
				1,3-DICHLOROBENZENE	4.20	mg/kg	9.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	2.4E-06	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.3E-08	1.4E-05	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.0002
				BENZO(A)PYRENE EQUIVALE	1.70	mg/kg	4.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.9E-06	2.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.9E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000005
				AROCLOR-1254	9.80	mg/kg	2.3E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.6E-06	1.3E-05	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.7
				AROCLOR-1260	709	mg/kg	1.7E-04	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.3E-04	9.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	3.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.3E-07	2.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				COBALT	4.00	mg/kg	9.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				IRON	17,100	mg/kg	4.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.03
				LEAD	3.60	mg/kg	8.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	2.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0009
				MERCURY	0.290	mg/kg	6.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				VANADIUM	13.8	mg/kg	3.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.004
				DIESEL RANGE ORGANICS	2,010	mg/kg	4.7E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	1.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	1.2E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	5.8E-08	6.7E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								3.5E-04					1.1
			Dermal	1,2,3-TRICHLOROBENZENE	165	mg/kg	4.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.03
				1,2,4-TRICHLOROBENZENE	724	mg/kg	2.0E-05	(mg/kg/day)	2.9E-02	$(mg/kg/day)^{-1}$	5.9E-07	1.2E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				1,3-DICHLOROBENZENE	4.20	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.9E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				1,4-DICHLOROBENZENE	10.4	mg/kg	2.9E-07	(mg/kg/day)	5.4E-03	$(mg/kg/day)^{-1}$	1.6E-09	1.7E-06	(mg/kg/day)	7.0E-02	(mg/kg/day)	0.00002
				BENZO(A)PYRENE EQUIVALE	1.70	mg/kg	2.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.5E-06	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.072	mg/kg	8.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				AROCLOR-1254	9.80	mg/kg	1.3E-06	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.6E-06	7.5E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.4
				AROCLOR-1260	709	mg/kg	9.3E-05	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.9E-04	5.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	1.50	mg/kg	4.2E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	6.3E-08	2.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0008
				COBALT	4.00	mg/kg	3.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0007
				IRON	17,100	mg/kg	1.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.001
				LEAD	3.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	93.9	mg/kg	8.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00004
				MERCURY	0.290	mg/kg	2.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0008
				VANADIUM	13.8	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.5E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	2,010	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	81.1	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.490	mg/kg	4.6E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	9.2E-08	2.7E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0004
			Exp. Route Total								1.9E-04					0.4
		Exposure Point Total									5.4E-04					1.5
	Exposure Medium Total										5.4E-04					1.5

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK E - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block E	Inhalation	1,2,3-TRICHLOROBENZENE	0.003	mg/m^3	5.7E-04	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-03	(mg/m^3)	NA	(mg/m^3)	--
				1,2,4-TRICHLOROBENZENE	0.010	mg/m^3	1.6E-03	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.5E-03	(mg/m^3)	2.0E-03	(mg/m^3)	4.7
				1,3-DICHLOROBENZENE	1.3E-9	mg/m^3	2.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				1,4-DICHLOROBENZENE	7.2E-4	mg/m^3	1.2E-04	(mg/m^3)	1.1E-05	$(ug/m^3)^{-1}$	1.3E-06	7.0E-04	(mg/m^3)	8.0E-01	(mg/m^3)	0.0009
				BENZO(A)PYRENE EQUIVALE	5.3E-10	mg/m^3	8.7E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	9.5E-11	5.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.1E-6	mg/m^3	1.8E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.3E-09	1.1E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0004
				AROCLOR-1254	3.0E-9	mg/m^3	5.0E-10	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.8E-10	2.9E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	2.2E-7	mg/m^3	3.6E-08	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.1E-08	2.1E-07	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	4.6E-10	mg/m^3	7.6E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.3E-10	4.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00003
				COBALT	1.2E-9	mg/m^3	2.0E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.8E-09	1.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				IRON	5.3E-6	mg/m^3	8.7E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	2.9E-8	mg/m^3	4.8E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0006
				MERCURY	9.0E-11	mg/m^3	1.5E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000003
				VANADIUM	4.3E-9	mg/m^3	7.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.2E-7	mg/m^3	1.0E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.0E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	2.5E-8	mg/m^3	4.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.5E-10	mg/m^3	2.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.1E-09	1.5E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000001
			Exp. Route Total								1.3E-06					4.7
		Exposure Point Total									1.3E-06					4.7
	Exposure Medium Total										1.3E-06					4.7
Medium Total											5.4E-04					6.3

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	4.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.0E-06	2.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	6.4E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-08	4.5E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.02
				AROCLOR-1260	0.160	mg/kg	1.1E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.1E-08	7.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	9.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.02
				ARSENIC	3.10	mg/kg	2.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.1E-07	1.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				CADMIUM	1.20	mg/kg	8.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.006
				COBALT	7.00	mg/kg	4.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.01
				LEAD	58.9	mg/kg	4.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	5.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				MOLYBDENUM	63.0	mg/kg	4.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.06
				NICKEL	12.4	mg/kg	8.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.003
				VANADIUM	35.0	mg/kg	2.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	91.8	mg/kg	6.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	8.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	1.8E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	9.1E-08	1.3E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.004
			Exp. Route Total								3.4E-06					0.2
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.0E-07	7.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.8E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.7E-09	1.3E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.006
				AROCLOR-1260	0.160	mg/kg	3.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.2E-09	2.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	1.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	3.10	mg/kg	1.3E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.9E-08	9.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				CADMIUM	1.20	mg/kg	1.7E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0005
				COBALT	7.00	mg/kg	9.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	1.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.004
				MOLYBDENUM	63.0	mg/kg	8.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				NICKEL	12.4	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	35.0	mg/kg	4.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	3.7E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	7.4E-08	2.6E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.003
			Exp. Route Total								9.0E-07					0.02
		Exposure Point Total									4.3E-06					0.2
	Exposure Medium Total										4.3E-06					0.2

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	4.3E-6	mg/m^3	1.4E-08	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	1.5E-08	9.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	6.7E-8	mg/m^3	2.2E-10	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.2E-10	1.5E-08	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	1.1E-7	mg/m^3	3.6E-10	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.1E-10	2.6E-08	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	9.8E-7	mg/m^3	3.2E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.2E-07	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.2E-6	mg/m^3	7.1E-09	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	3.0E-08	4.9E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.03
				CADMIUM	8.4E-7	mg/m^3	2.7E-09	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	4.9E-09	1.9E-07	(mg/m^3)	1.0E-05	(mg/m^3)	0.02
				COBALT	4.9E-6	mg/m^3	1.6E-08	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.4E-07	1.1E-06	(mg/m^3)	6.0E-06	(mg/m^3)	0.2
				LEAD	4.1E-5	mg/m^3	1.3E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.4E-06	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	6.1E-7	mg/m^3	2.0E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.4E-07	(mg/m^3)	3.0E-05	(mg/m^3)	0.005
				MOLYBDENUM	4.4E-5	mg/m^3	1.4E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.0E-05	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	8.7E-6	mg/m^3	2.8E-08	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	7.4E-09	2.0E-06	(mg/m^3)	9.0E-05	(mg/m^3)	0.02
				VANADIUM	2.4E-5	mg/m^3	8.0E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.6E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.4E-5	mg/m^3	2.1E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.5E-05	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.4E-7	mg/m^3	2.7E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.9E-07	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.9E-6	mg/m^3	6.2E-09	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	5.2E-07	4.3E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.004
			Exp. Route Total								7.2E-07					0.3
		Exposure Point Total									7.2E-07					0.3
	Exposure Medium Total										7.2E-07					0.3
Medium Total											5.0E-06					0.5

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.5E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.04
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	1.5E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.1E-07	1.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	1.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.3E-09	8.0E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	1.6E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.4E-07	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				COBALT	18.7	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.8E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.03
				LEAD	10.4	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	1.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				VANADIUM	39.9	mg/kg	2.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	522	mg/kg	3.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	1.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	6.6E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.3E-08	4.6E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								3.8E-07					0.1
			Dermal	NAPHTHALENE	159	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.010
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	3.9E-09	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.9E-08	2.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	3.3E-10	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.5E-10	2.3E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	9.9E-09	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-08	6.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	18.7	mg/kg	2.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	3.7E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				VANADIUM	39.9	mg/kg	5.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	1.3E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.7E-08	9.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								7.1E-08					0.02
		Exposure Point Total									4.6E-07					0.1
	Exposure Medium Total										4.6E-07					0.1
	Air	Block F	Inhalation	NAPHTHALENE	0.015	mg/m^3	5.0E-05	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.7E-06	3.5E-03	(mg/m^3)	3.0E-03	(mg/m^3)	1.2
				BENZO(A)PYRENE EQUIVALENTS	1.5E-7	mg/m^3	5.0E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	5.5E-10	3.5E-08	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	1.2E-8	mg/m^3	3.9E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.2E-11	2.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.7E-6	mg/m^3	5.5E-09	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.4E-08	3.8E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.03
				COBALT	1.3E-5	mg/m^3	4.3E-08	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.8E-07	3.0E-06	(mg/m^3)	6.0E-06	(mg/m^3)	0.5
				LEAD	7.3E-6	mg/m^3	2.4E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-06	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	1.9E-7	mg/m^3	6.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.3E-08	(mg/m^3)	3.0E-05	(mg/m^3)	0.001
				VANADIUM	2.8E-5	mg/m^3	9.1E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	3.7E-4	mg/m^3	1.2E-06	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.3E-05	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.5E-5	mg/m^3	4.8E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-06	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	6.9E-7	mg/m^3	2.2E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.9E-07	1.6E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.002
			Exp. Route Total								2.3E-06					1.7
		Exposure Point Total									2.3E-06					1.7
	Exposure Medium Total										2.3E-06					1.7
Medium Total											2.8E-06					1.8

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.8E-06	3.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.4E-08	4.7E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.002
				AROCLOR-1260	0.160	mg/kg	2.8E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.6E-08	7.8E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	3.10	mg/kg	5.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.1E-07	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				CADMIUM	1.20	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0006
				COBALT	7.00	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				LEAD	58.9	mg/kg	1.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				MOLYBDENUM	63.0	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.006
				NICKEL	12.4	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				VANADIUM	35.0	mg/kg	6.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	91.8	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	4.7E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.4E-07	1.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								8.9E-06					0.03
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.3E-05	5.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	3.1E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.2E-08	8.7E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.004
				AROCLOR-1260	0.160	mg/kg	5.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.0E-07	1.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	3.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	3.10	mg/kg	2.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.2E-07	6.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	1.20	mg/kg	2.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0003
				COBALT	7.00	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	2.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				MOLYBDENUM	63.0	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0008
				NICKEL	12.4	mg/kg	2.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	35.0	mg/kg	8.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	6.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.2E-06	1.7E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								1.5E-05					0.02
		Exposure Point Total									2.4E-05					0.05
	Exposure Medium Total										2.4E-05					0.05

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	1.5E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	1.7E-10	4.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	2.4E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.4E-12	6.8E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	4.0E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.3E-12	1.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	3.5E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	7.8E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	3.4E-10	2.2E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	3.7E-10	mg/m^3	3.0E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	5.5E-11	8.5E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000008
				COBALT	2.2E-9	mg/m^3	1.8E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.6E-09	4.9E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00008
				LEAD	1.8E-8	mg/m^3	1.5E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	2.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.1E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	2.0E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	3.1E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	8.1E-11	8.8E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000010
				VANADIUM	1.1E-8	mg/m^3	8.8E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	2.3E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	3.0E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	6.8E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	5.7E-09	1.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000002
			Exp. Route Total								8.0E-09					0.0001
		Exposure Point Total									8.0E-09					0.0001
	Exposure Medium Total										8.0E-09					0.0001
Medium Total											2.4E-05					0.05
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	2.8E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.8E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.004
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	3.8E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	2.8E-07	1.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	3.0E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	5.9E-09	8.3E-09	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	4.2E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	6.3E-07	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				COBALT	18.7	mg/kg	3.3E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	9.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				LEAD	10.4	mg/kg	1.8E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	4.7E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0004
				VANADIUM	39.9	mg/kg	7.0E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.0E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.004
				DIESEL RANGE ORGANICS	522	mg/kg	9.1E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.6E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	3.7E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	1.7E-07	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	8.6E-08	4.8E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								1.0E-06					0.04
			Dermal	NAPHTHALENE	159	mg/kg	4.8E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.007
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	6.6E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	4.8E-07	1.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	5.5E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.1E-08	1.5E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	1.7E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	2.5E-07	4.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	18.7	mg/kg	4.3E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	6.2E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.7E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0008
				VANADIUM	39.9	mg/kg	9.2E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	2.3E-08	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	4.5E-07	6.3E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0008
			Exp. Route Total								1.2E-06					0.01
		Exposure Point Total									2.2E-06					0.06
	Exposure Medium Total										2.2E-06					0.06

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	2.0E-04	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.9E-06	5.7E-04	(mg/m^3)	3.0E-03	(mg/m^3)	0.2
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	5.6E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.1E-12	1.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	4.3E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.4E-13	1.2E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	6.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.6E-10	1.7E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				COBALT	5.8E-9	mg/m^3	4.7E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.2E-09	1.3E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	3.2E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	6.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				VANADIUM	1.2E-8	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	1.3E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	5.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	2.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.1E-09	6.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000007
			Exp. Route Total								6.9E-06					0.2
		Exposure Point Total									6.9E-06					0.2
	Exposure Medium Total										6.9E-06					0.2
Medium Total											9.1E-06					0.2

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.3E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	9.8E-05	2.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	4.0E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.9E-08	4.6E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.02
				AROCLOR-1260	0.160	mg/kg	6.6E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-07	7.7E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	5.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.02
				ARSENIC	3.10	mg/kg	1.3E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.9E-06	1.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				CADMIUM	1.20	mg/kg	5.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.006
				COBALT	7.00	mg/kg	2.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				LEAD	58.9	mg/kg	2.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	3.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				MOLYBDENUM	63.0	mg/kg	2.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.06
				NICKEL	12.4	mg/kg	5.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.003
				VANADIUM	35.0	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.03
				DIESEL RANGE ORGANICS	91.8	mg/kg	3.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	5.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	6.0E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.0E-06	1.3E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.004
			Exp. Route Total								1.0E-04					0.3
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	4.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.0E-05	9.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.3E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.6E-08	1.5E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.008
				AROCLOR-1260	0.160	mg/kg	2.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.4E-08	2.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	1.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.003
				ARSENIC	3.10	mg/kg	9.0E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-07	1.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				CADMIUM	1.20	mg/kg	1.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0005
				COBALT	7.00	mg/kg	6.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	8.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.9E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.005
				MOLYBDENUM	63.0	mg/kg	6.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				NICKEL	12.4	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.002
				VANADIUM	35.0	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0008
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	1.4E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.8E-06	3.1E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.004
			Exp. Route Total								3.3E-05					0.03
		Exposure Point Total									1.4E-04					0.4
	Exposure Medium Total										1.4E-04					0.4

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	5.2E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	5.7E-11	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	1.5E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	8.8E-14	1.8E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	2.6E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.5E-13	3.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	2.2E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	5.0E-12	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	2.1E-11	5.8E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				CADMIUM	3.7E-10	mg/m^3	1.9E-12	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	3.5E-12	2.2E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000002
				COBALT	2.2E-9	mg/m^3	1.1E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.0E-10	1.3E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00002
				LEAD	1.8E-8	mg/m^3	9.4E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	1.4E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000005
				MOLYBDENUM	2.0E-8	mg/m^3	1.0E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	2.0E-11	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	5.2E-12	2.3E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000003
				VANADIUM	1.1E-8	mg/m^3	5.6E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	1.5E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	1.9E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	2.3E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	1.9E-09	5.0E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000005
			Exp. Route Total								2.1E-09					0.00003
		Exposure Point Total									2.1E-09					0.00003
	Exposure Medium Total										2.1E-09					0.00003
Medium Total											1.4E-04					0.4
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	6.6E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.7E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.04
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	4.8E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	3.5E-06	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	7.0E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.4E-08	8.2E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	9.9E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	1.5E-06	1.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				COBALT	18.7	mg/kg	7.7E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	9.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.3
				LEAD	10.4	mg/kg	4.3E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	1.1E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				VANADIUM	39.9	mg/kg	1.6E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.9E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.04
				DIESEL RANGE ORGANICS	522	mg/kg	2.2E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.5E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	8.8E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	2.2E-06	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	1.1E-06	4.7E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								6.1E-06					0.4
			Dermal	NAPHTHALENE	159	mg/kg	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.3E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.01
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	1.5E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	1.1E-06	3.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	2.3E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	4.6E-09	2.7E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	7.0E-08	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	1.0E-07	8.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	18.7	mg/kg	1.8E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	2.6E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.1E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				VANADIUM	39.9	mg/kg	3.9E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0009
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	5.1E-08	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	1.0E-06	1.1E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								2.2E-06					0.03
		Exposure Point Total									8.3E-06					0.4
	Exposure Medium Total										8.3E-06					0.4

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	1.3E-05	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	4.4E-07	1.5E-04	(mg/m^3)	3.0E-03	(mg/m^3)	0.05
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	1.9E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.1E-12	4.1E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	2.7E-14	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.5E-14	3.2E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	3.8E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.7E-11	4.5E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000003
				COBALT	5.8E-9	mg/m^3	3.0E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.7E-10	3.5E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00006
				LEAD	3.2E-9	mg/m^3	1.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	4.3E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.0E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000002
				VANADIUM	1.2E-8	mg/m^3	6.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	8.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	3.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	8.4E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	7.0E-10	1.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								4.4E-07					0.05
		Exposure Point Total									4.4E-07					0.05
	Exposure Medium Total										4.4E-07					0.05
Medium Total											8.8E-06					0.5

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	2.5E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.8E-05	5.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.0E-08	8.7E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.004
				AROCLOR-1260	0.160	mg/kg	2.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.0E-08	1.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	2.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.003
				ARSENIC	3.10	mg/kg	4.8E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	7.2E-07	2.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				CADMIUM	1.20	mg/kg	1.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.001
				COBALT	7.00	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	58.9	mg/kg	9.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				MOLYBDENUM	63.0	mg/kg	9.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				NICKEL	12.4	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0006
				VANADIUM	35.0	mg/kg	5.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.006
				DIESEL RANGE ORGANICS	91.8	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	1.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	1.1E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	5.6E-07	2.4E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0008
			Exp. Route Total								2.0E-05					0.06
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	2.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.1E-05	6.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.8E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.6E-08	1.0E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.005
				AROCLOR-1260	0.160	mg/kg	3.0E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.0E-08	1.7E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	3.10	mg/kg	1.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.9E-07	7.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	1.20	mg/kg	1.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0004
				COBALT	7.00	mg/kg	9.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	1.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				MOLYBDENUM	63.0	mg/kg	8.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0010
				NICKEL	12.4	mg/kg	1.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	35.0	mg/kg	4.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	9.6E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.9E-06	2.1E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.003
			Exp. Route Total								2.3E-05					0.02
		Exposure Point Total									4.3E-05					0.08
	Exposure Medium Total										4.3E-05					0.08

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	5.2E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	5.7E-11	1.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	3.1E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.8E-13	1.8E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	5.1E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.9E-13	3.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	4.5E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	9.9E-12	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	4.3E-11	5.8E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				CADMIUM	3.7E-10	mg/m^3	3.8E-12	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	6.9E-12	2.2E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000002
				COBALT	2.2E-9	mg/m^3	2.2E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	2.0E-10	1.3E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00002
				LEAD	1.8E-8	mg/m^3	1.9E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	2.8E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000005
				MOLYBDENUM	2.0E-8	mg/m^3	2.0E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	4.0E-11	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	1.0E-11	2.3E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000003
				VANADIUM	1.1E-8	mg/m^3	1.1E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	2.9E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	3.8E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	2.3E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	1.9E-09	5.0E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000005
			Exp. Route Total								2.3E-09					0.00003
		Exposure Point Total									2.3E-09					0.00003
	Exposure Medium Total										2.3E-09					0.00003
Medium Total											4.3E-05					0.08
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	2.5E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.4E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.007
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	9.1E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	6.6E-07	2.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	2.6E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	5.3E-09	1.5E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	3.7E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	5.6E-07	2.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				COBALT	18.7	mg/kg	2.9E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				LEAD	10.4	mg/kg	1.6E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	9.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	4.2E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0008
				VANADIUM	39.9	mg/kg	6.2E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.6E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.007
				DIESEL RANGE ORGANICS	522	mg/kg	8.1E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	3.3E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	4.1E-07	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	2.0E-07	8.9E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								1.4E-06					0.08
			Dermal	NAPHTHALENE	159	mg/kg	2.8E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.6E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.008
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	1.0E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	7.5E-07	2.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	3.2E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	6.4E-09	1.9E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	9.6E-08	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	1.4E-07	5.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	18.7	mg/kg	2.5E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	3.6E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.1E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				VANADIUM	39.9	mg/kg	5.3E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	3.5E-08	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	7.0E-07	7.7E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								1.6E-06					0.02
		Exposure Point Total									3.0E-06					0.10
	Exposure Medium Total										3.0E-06					0.10

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	2.6E-05	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	8.7E-07	1.5E-04	(mg/m^3)	3.0E-03	(mg/m^3)	0.05
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	1.9E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.1E-12	4.1E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	5.4E-14	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.1E-14	3.2E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	7.7E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.3E-11	4.5E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000003
				COBALT	5.8E-9	mg/m^3	6.0E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.4E-10	3.5E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00006
				LEAD	3.2E-9	mg/m^3	3.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	8.6E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.0E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000002
				VANADIUM	1.2E-8	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	1.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	6.8E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	8.4E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	7.0E-10	1.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								8.7E-07					0.05
		Exposure Point Total									8.7E-07					0.05
	Exposure Medium Total										8.7E-07					0.05
Medium Total											3.9E-06					0.1

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.8E-06	3.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.4E-08	4.7E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.002
				AROCLOR-1260	0.160	mg/kg	2.8E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.6E-08	7.8E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	3.10	mg/kg	5.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.1E-07	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				CADMIUM	1.20	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0006
				COBALT	7.00	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				LEAD	58.9	mg/kg	1.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				MOLYBDENUM	63.0	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.006
				NICKEL	12.4	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				VANADIUM	35.0	mg/kg	6.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	91.8	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	4.7E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.4E-07	1.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								8.9E-06					0.03
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.3E-05	5.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	3.1E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.2E-08	8.7E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.004
				AROCLOR-1260	0.160	mg/kg	5.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.0E-07	1.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	3.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	3.10	mg/kg	2.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.2E-07	6.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	1.20	mg/kg	2.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0003
				COBALT	7.00	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	2.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				MOLYBDENUM	63.0	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0008
				NICKEL	12.4	mg/kg	2.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	35.0	mg/kg	8.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	6.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.2E-06	1.7E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								1.5E-05					0.02
		Exposure Point Total									2.4E-05					0.05
	Exposure Medium Total										2.4E-05					0.05

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	1.5E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	1.7E-10	4.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	2.4E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.4E-12	6.8E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	4.0E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.3E-12	1.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	3.5E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	7.8E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	3.4E-10	2.2E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	3.7E-10	mg/m^3	3.0E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	5.5E-11	8.5E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000008
				COBALT	2.2E-9	mg/m^3	1.8E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.6E-09	4.9E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00008
				LEAD	1.8E-8	mg/m^3	1.5E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	2.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.1E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	2.0E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	3.1E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	8.1E-11	8.8E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000010
				VANADIUM	1.1E-8	mg/m^3	8.8E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	2.3E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	3.0E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	6.8E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	5.7E-09	1.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000002
			Exp. Route Total								8.0E-09					0.0001
		Exposure Point Total									8.0E-09					0.0001
	Exposure Medium Total										8.0E-09					0.0001
Medium Total											2.4E-05					0.05
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	2.8E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.8E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.004
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	3.8E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	2.8E-07	1.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	3.0E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	5.9E-09	8.3E-09	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	4.2E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	6.3E-07	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				COBALT	18.7	mg/kg	3.3E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	9.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				LEAD	10.4	mg/kg	1.8E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	4.7E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0004
				VANADIUM	39.9	mg/kg	7.0E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.0E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.004
				DIESEL RANGE ORGANICS	522	mg/kg	9.1E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.6E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	3.7E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	1.7E-07	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	8.6E-08	4.8E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								1.0E-06					0.04
			Dermal	NAPHTHALENE	159	mg/kg	4.8E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.007
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	6.6E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	4.8E-07	1.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	5.5E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.1E-08	1.5E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	1.7E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	2.5E-07	4.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	18.7	mg/kg	4.3E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	6.2E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.7E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0008
				VANADIUM	39.9	mg/kg	9.2E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	2.3E-08	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	4.5E-07	6.3E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0008
			Exp. Route Total								1.2E-06					0.01
		Exposure Point Total									2.2E-06					0.06
	Exposure Medium Total										2.2E-06					0.06

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	2.0E-04	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.9E-06	5.7E-04	(mg/m^3)	3.0E-03	(mg/m^3)	0.2
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	5.6E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.1E-12	1.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	4.3E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.4E-13	1.2E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	6.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.6E-10	1.7E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				COBALT	5.8E-9	mg/m^3	4.7E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.2E-09	1.3E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	3.2E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	6.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				VANADIUM	1.2E-8	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	1.3E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	5.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	2.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.1E-09	6.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000007
			Exp. Route Total								6.9E-06					0.2
		Exposure Point Total									6.9E-06					0.2
	Exposure Medium Total										6.9E-06					0.2
Medium Total											9.1E-06					0.2

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	2.5E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.9E-04	5.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	7.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.5E-07	8.8E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.04
				AROCLOR-1260	0.160	mg/kg	1.3E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.5E-07	1.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.03
				ARSENIC	3.10	mg/kg	2.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-06	2.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.09
				CADMIUM	1.20	mg/kg	9.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.01
				COBALT	7.00	mg/kg	5.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				LEAD	58.9	mg/kg	4.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	6.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				MOLYBDENUM	63.0	mg/kg	4.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.1
				NICKEL	12.4	mg/kg	9.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.006
				VANADIUM	35.0	mg/kg	2.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.06
				DIESEL RANGE ORGANICS	91.8	mg/kg	7.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	9.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	1.1E-05	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	5.6E-06	2.5E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.008
			Exp. Route Total								2.0E-04					0.6
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	9.3E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.8E-05	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	2.9E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.9E-08	3.4E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.02
				AROCLOR-1260	0.160	mg/kg	4.9E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.8E-08	5.7E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	3.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.006
				ARSENIC	3.10	mg/kg	2.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.1E-07	2.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				CADMIUM	1.20	mg/kg	2.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.001
				COBALT	7.00	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.01
				MOLYBDENUM	63.0	mg/kg	1.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				NICKEL	12.4	mg/kg	2.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.004
				VANADIUM	35.0	mg/kg	7.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	3.2E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.3E-06	6.9E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.009
			Exp. Route Total								7.4E-05					0.07
		Exposure Point Total									2.7E-04					0.7
	Exposure Medium Total										2.7E-04					0.7

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	2.0E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.2E-10	4.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	5.8E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.3E-13	6.8E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	9.7E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	5.5E-13	1.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	8.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	1.9E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	8.1E-11	2.2E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	3.7E-10	mg/m^3	7.3E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.3E-11	8.5E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000008
				COBALT	2.2E-9	mg/m^3	4.2E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.8E-10	4.9E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00008
				LEAD	1.8E-8	mg/m^3	3.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	5.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.1E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	2.0E-8	mg/m^3	3.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	7.5E-11	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	2.0E-11	8.8E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000010
				VANADIUM	1.1E-8	mg/m^3	2.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	5.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	7.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	8.7E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	7.3E-09	1.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000002
			Exp. Route Total								8.0E-09					0.0001
		Exposure Point Total									8.0E-09					0.0001
	Exposure Medium Total										8.0E-09					0.0001
Medium Total											2.7E-04					0.7

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	1.2E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-03	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.07
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	9.2E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.7E-06	2.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	1.3E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.7E-08	1.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	1.9E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.8E-06	2.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				COBALT	18.7	mg/kg	1.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.6
				LEAD	10.4	mg/kg	8.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				VANADIUM	39.9	mg/kg	3.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.07
				DIESEL RANGE ORGANICS	522	mg/kg	4.1E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	4.1E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.0E-06	8.9E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.003
			Exp. Route Total								1.2E-05					0.8
			Dermal	NAPHTHALENE	159	mg/kg	4.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.03
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	3.3E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.4E-06	7.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	5.2E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.0E-08	6.1E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	1.6E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.4E-07	1.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				COBALT	18.7	mg/kg	4.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	5.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.9E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				VANADIUM	39.9	mg/kg	8.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	1.1E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.3E-06	2.5E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.003
			Exp. Route Total								5.0E-06					0.06
		Exposure Point Total									1.7E-05					0.9
	Exposure Medium Total										1.7E-05					0.9
	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	4.9E-05	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.7E-06	5.7E-04	(mg/m^3)	3.0E-03	(mg/m^3)	0.2
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	7.1E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	7.8E-12	1.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	1.0E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	5.9E-14	1.2E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	1.5E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	6.3E-11	1.7E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				COBALT	5.8E-9	mg/m^3	1.1E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.0E-09	1.3E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	3.2E-9	mg/m^3	6.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	1.6E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				VANADIUM	1.2E-8	mg/m^3	2.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	3.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	3.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.7E-09	6.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000007
			Exp. Route Total								1.7E-06					0.2
		Exposure Point Total									1.7E-06					0.2
	Exposure Medium Total										1.7E-06					0.2
Medium Total											1.8E-05					1.0

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	4.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.5E-05	1.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	2.8E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.6E-08	1.6E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.008
				AROCLOR-1260	0.160	mg/kg	4.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.4E-08	2.7E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	4.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.006
				ARSENIC	3.10	mg/kg	9.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-06	5.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	1.20	mg/kg	3.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.002
				COBALT	7.00	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				LEAD	58.9	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	2.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				MOLYBDENUM	63.0	mg/kg	1.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				NICKEL	12.4	mg/kg	3.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.001
				VANADIUM	35.0	mg/kg	1.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	91.8	mg/kg	2.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	3.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	2.1E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.1E-06	4.6E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								3.7E-05					0.1
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.9E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.4E-05	4.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.4E-08	7.0E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.003
				AROCLOR-1260	0.160	mg/kg	2.0E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.0E-08	1.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	1.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.2E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.001
				ARSENIC	3.10	mg/kg	8.3E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.2E-07	4.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	1.20	mg/kg	1.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0002
				COBALT	7.00	mg/kg	6.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	7.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.002
				MOLYBDENUM	63.0	mg/kg	5.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0007
				NICKEL	12.4	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0008
				VANADIUM	35.0	mg/kg	3.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	6.4E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.3E-06	1.4E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								1.5E-05					0.01
		Exposure Point Total									5.3E-05					0.1
	Exposure Medium Total										5.3E-05					0.1

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	2.0E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	2.2E-10	4.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	1.2E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	6.6E-13	6.8E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	1.9E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.1E-12	1.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	1.7E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	3.8E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	1.6E-10	2.2E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	3.7E-10	mg/m^3	1.5E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	2.6E-11	8.5E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000008
				COBALT	2.2E-9	mg/m^3	8.5E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	7.6E-10	4.9E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00008
				LEAD	1.8E-8	mg/m^3	7.1E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.1E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	2.0E-8	mg/m^3	7.6E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	1.5E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	3.9E-11	8.8E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000010
				VANADIUM	1.1E-8	mg/m^3	4.2E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	1.5E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	8.7E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	7.3E-09	1.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000002
			Exp. Route Total								8.5E-09					0.0001
		Exposure Point Total									8.5E-09					0.0001
	Exposure Medium Total										8.5E-09					0.0001
Medium Total											5.3E-05					0.1
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	4.7E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.7E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.01
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	1.7E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	1.3E-06	3.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	5.0E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.0E-08	2.9E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	7.0E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	1.1E-06	4.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	18.7	mg/kg	5.5E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				LEAD	10.4	mg/kg	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	7.9E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				VANADIUM	39.9	mg/kg	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.8E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	522	mg/kg	1.5E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	8.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	6.2E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	7.7E-07	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	3.8E-07	1.7E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0006
			Exp. Route Total								2.7E-06					0.1
			Dermal	NAPHTHALENE	159	mg/kg	1.8E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.1E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.005
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	6.8E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	4.9E-07	1.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	2.1E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	4.2E-09	1.2E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	6.4E-08	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	9.6E-08	3.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				COBALT	18.7	mg/kg	1.7E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	9.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	2.4E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0007
				VANADIUM	39.9	mg/kg	3.5E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	2.3E-08	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	4.6E-07	5.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0007
			Exp. Route Total								1.1E-06					0.01
		Exposure Point Total									3.8E-06					0.2
	Exposure Medium Total										3.8E-06					0.2

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	9.7E-05	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.3E-06	5.7E-04	(mg/m^3)	3.0E-03	(mg/m^3)	0.2
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	7.1E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	7.8E-12	1.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	2.1E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.2E-13	1.2E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	2.9E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.3E-10	1.7E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				COBALT	5.8E-9	mg/m^3	2.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.0E-09	1.3E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	3.2E-9	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	3.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				VANADIUM	1.2E-8	mg/m^3	4.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	6.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	3.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.7E-09	6.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000007
			Exp. Route Total								3.3E-06					0.2
		Exposure Point Total									3.3E-06					0.2
	Exposure Medium Total										3.3E-06					0.2
Medium Total											7.1E-06					0.4

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.0E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.5E-06	6.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.6E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.2E-08	9.4E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.005
				AROCLOR-1260	0.160	mg/kg	2.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.4E-08	1.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	2.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.003
				ARSENIC	3.10	mg/kg	5.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	7.8E-07	3.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	1.20	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.001
				COBALT	7.00	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	58.9	mg/kg	9.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				MOLYBDENUM	63.0	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				NICKEL	12.4	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0006
				VANADIUM	35.0	mg/kg	5.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.007
				DIESEL RANGE ORGANICS	91.8	mg/kg	1.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	4.5E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.3E-07	2.6E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0009
			Exp. Route Total								8.6E-06					0.07
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	5.3E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.9E-06	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	9.0E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.8E-08	5.2E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.003
				AROCLOR-1260	0.160	mg/kg	1.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.0E-08	8.7E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	9.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0009
				ARSENIC	3.10	mg/kg	6.2E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.3E-08	3.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				CADMIUM	1.20	mg/kg	8.0E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0002
				COBALT	7.00	mg/kg	4.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	5.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.002
				MOLYBDENUM	63.0	mg/kg	4.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				NICKEL	12.4	mg/kg	8.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0006
				VANADIUM	35.0	mg/kg	2.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	1.8E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.6E-07	1.1E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								4.4E-06					0.01
		Exposure Point Total									1.3E-05					0.08
	Exposure Medium Total										1.3E-05					0.08

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	7.4E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	8.1E-11	4.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	1.2E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	6.6E-13	6.8E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	1.9E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.1E-12	1.1E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	1.7E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	3.8E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	1.6E-10	2.2E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				CADMIUM	3.7E-10	mg/m^3	1.5E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	2.6E-11	8.5E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000008
				COBALT	2.2E-9	mg/m^3	8.5E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	7.6E-10	4.9E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00008
				LEAD	1.8E-8	mg/m^3	7.1E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.1E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	2.0E-8	mg/m^3	7.6E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	1.5E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	3.9E-11	8.8E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000010
				VANADIUM	1.1E-8	mg/m^3	4.2E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	1.1E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	6.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	1.5E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	3.3E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	2.7E-09	1.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000002
			Exp. Route Total								3.8E-09					0.0001
		Exposure Point Total									3.8E-09					0.0001
	Exposure Medium Total										3.8E-09					0.0001
Medium Total											1.3E-05					0.08
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	2.7E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.6E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.008
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	3.7E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	2.7E-07	2.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	2.9E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	5.7E-09	1.7E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	4.0E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	6.0E-07	2.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				COBALT	18.7	mg/kg	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				LEAD	10.4	mg/kg	1.7E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	4.5E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				VANADIUM	39.9	mg/kg	6.7E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.9E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.008
				DIESEL RANGE ORGANICS	522	mg/kg	8.8E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	3.6E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	1.6E-07	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	8.2E-08	9.6E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								9.6E-07					0.09
			Dermal	NAPHTHALENE	159	mg/kg	1.4E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	8.1E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.004
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	1.9E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	1.4E-07	1.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	1.6E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	3.2E-09	9.3E-09	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	4.8E-08	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	7.2E-08	2.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				COBALT	18.7	mg/kg	1.3E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	1.8E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.1E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0005
				VANADIUM	39.9	mg/kg	2.7E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	6.6E-09	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	1.3E-07	3.8E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0005
			Exp. Route Total								3.5E-07					0.009
		Exposure Point Total									1.3E-06					0.09
	Exposure Medium Total										1.3E-06					0.09

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	9.7E-05	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.3E-06	5.7E-04	(mg/m^3)	3.0E-03	(mg/m^3)	0.2
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	2.7E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.9E-12	1.6E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	2.1E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.2E-13	1.2E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	2.9E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.3E-10	1.7E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00001
				COBALT	5.8E-9	mg/m^3	2.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.0E-09	1.3E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	3.2E-9	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	3.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000006
				VANADIUM	1.2E-8	mg/m^3	4.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	6.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	1.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.0E-09	6.9E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000007
			Exp. Route Total								3.3E-06					0.2
		Exposure Point Total									3.3E-06					0.2
	Exposure Medium Total										3.3E-06					0.2
Medium Total											4.6E-06					0.3

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	3.6E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.6E-04	7.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.1E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.1E-07	1.2E-06	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.06
				AROCLOR-1260	0.160	mg/kg	1.8E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.5E-07	2.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-05	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.04
				ARSENIC	3.10	mg/kg	3.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.1E-06	4.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				CADMIUM	1.20	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.02
				COBALT	7.00	mg/kg	7.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.3
				LEAD	58.9	mg/kg	6.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.5E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	9.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				MOLYBDENUM	63.0	mg/kg	6.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.2
				NICKEL	12.4	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.008
				VANADIUM	35.0	mg/kg	3.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.09
				DIESEL RANGE ORGANICS	91.8	mg/kg	1.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	1.6E-05	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	7.9E-06	3.5E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.01
			Exp. Route Total								2.7E-04					0.9
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.3E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	9.5E-05	2.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	4.1E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.2E-08	4.8E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.02
				AROCLOR-1260	0.160	mg/kg	6.9E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.4E-07	8.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	4.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.008
				ARSENIC	3.10	mg/kg	2.9E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.3E-07	3.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	1.20	mg/kg	3.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.002
				COBALT	7.00	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	2.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.01
				MOLYBDENUM	63.0	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				NICKEL	12.4	mg/kg	3.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.006
				VANADIUM	35.0	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	4.4E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	8.8E-06	9.7E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.01
			Exp. Route Total								1.0E-04					0.09
		Exposure Point Total									3.8E-04					1.0
	Exposure Medium Total										3.8E-04					1.0

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	8.3E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	9.1E-10	1.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	2.4E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.4E-12	2.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	4.1E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.3E-12	4.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	3.6E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	7.9E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	3.4E-10	9.2E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00006
				CADMIUM	3.7E-10	mg/m^3	3.1E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	5.5E-11	3.6E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00004
				COBALT	2.2E-9	mg/m^3	1.8E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.6E-09	2.1E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0003
				LEAD	1.8E-8	mg/m^3	1.5E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	2.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.6E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.000009
				MOLYBDENUM	2.0E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	3.2E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	8.2E-11	3.7E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	1.1E-8	mg/m^3	8.9E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	2.3E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	3.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	3.7E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	3.1E-08	8.0E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000008
			Exp. Route Total								3.4E-08					0.0005
		Exposure Point Total									3.4E-08					0.0005
	Exposure Medium Total										3.4E-08					0.0005
Medium Total											3.8E-04					1.0
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	1.7E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.0E-03	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.1
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	1.3E-06	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	9.4E-06	2.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	1.9E-08	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	3.7E-08	2.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	2.6E-06	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	3.9E-06	3.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				COBALT	18.7	mg/kg	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.4E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.8
				LEAD	10.4	mg/kg	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	3.0E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				VANADIUM	39.9	mg/kg	4.4E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.1E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.1
				DIESEL RANGE ORGANICS	522	mg/kg	5.7E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.7E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	2.3E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	5.7E-06	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	2.9E-06	1.3E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.004
			Exp. Route Total								1.6E-05					1.1
			Dermal	NAPHTHALENE	159	mg/kg	6.3E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.4E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.04
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	4.7E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	3.4E-06	1.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	7.3E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.5E-08	8.5E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	2.2E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	3.3E-07	2.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				COBALT	18.7	mg/kg	5.7E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	8.3E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	9.7E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.005
				VANADIUM	39.9	mg/kg	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	1.6E-07	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	3.2E-06	3.5E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.005
			Exp. Route Total								7.0E-06					0.08
		Exposure Point Total									2.3E-05					1.2
	Exposure Medium Total										2.3E-05					1.2

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	2.0E-04	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.9E-06	2.4E-03	(mg/m^3)	3.0E-03	(mg/m^3)	0.8
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	3.0E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.3E-11	6.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	4.3E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.5E-13	5.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	6.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.6E-10	7.1E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00005
				COBALT	5.8E-9	mg/m^3	4.8E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.3E-09	5.6E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0009
				LEAD	3.2E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	6.9E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.0E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000003
				VANADIUM	1.2E-8	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	1.3E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	5.4E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	1.3E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.1E-08	2.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								7.0E-06					0.8
		Exposure Point Total									7.0E-06					0.8
	Exposure Medium Total										7.0E-06					0.8
Medium Total											3.0E-05					2.0

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	6.7E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.9E-05	1.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	3.9E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.9E-08	2.3E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.01
				AROCLOR-1260	0.160	mg/kg	6.6E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.3E-07	3.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	5.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.008
				ARSENIC	3.10	mg/kg	1.3E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.9E-06	7.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	1.20	mg/kg	4.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.003
				COBALT	7.00	mg/kg	2.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				LEAD	58.9	mg/kg	2.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	3.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				MOLYBDENUM	63.0	mg/kg	2.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.03
				NICKEL	12.4	mg/kg	5.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.001
				VANADIUM	35.0	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	91.8	mg/kg	3.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	4.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	3.0E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.5E-06	6.5E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								5.2E-05					0.2
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	2.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.9E-05	5.7E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.3E-08	9.7E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.005
				AROCLOR-1260	0.160	mg/kg	2.8E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.6E-08	1.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	3.10	mg/kg	1.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.7E-07	6.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	1.20	mg/kg	1.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.7E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0003
				COBALT	7.00	mg/kg	8.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				MOLYBDENUM	63.0	mg/kg	7.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0009
				NICKEL	12.4	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	35.0	mg/kg	4.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	8.9E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.8E-06	2.0E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.003
			Exp. Route Total								2.1E-05					0.02
		Exposure Point Total									7.4E-05					0.2
	Exposure Medium Total										7.4E-05					0.2

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	8.3E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	9.1E-10	1.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	4.9E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.8E-12	2.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	8.1E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	4.6E-12	4.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	7.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	1.6E-10	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	6.8E-10	9.2E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00006
				CADMIUM	3.7E-10	mg/m^3	6.1E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	1.1E-10	3.6E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00004
				COBALT	2.2E-9	mg/m^3	3.6E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	3.2E-09	2.1E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0003
				LEAD	1.8E-8	mg/m^3	3.0E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	4.4E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.6E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.000009
				MOLYBDENUM	2.0E-8	mg/m^3	3.2E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	6.3E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	1.6E-10	3.7E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	1.1E-8	mg/m^3	1.8E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	4.7E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	6.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	3.7E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	3.1E-08	8.0E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000008
			Exp. Route Total								3.6E-08					0.0005
		Exposure Point Total									3.6E-08					0.0005
	Exposure Medium Total										3.6E-08					0.0005
Medium Total											7.4E-05					0.2
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	6.5E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.8E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.02
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	2.4E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	1.8E-06	5.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	7.0E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.4E-08	4.1E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	9.9E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	1.5E-06	5.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	18.7	mg/kg	7.7E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				LEAD	10.4	mg/kg	4.3E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	1.1E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				VANADIUM	39.9	mg/kg	1.6E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	9.6E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	522	mg/kg	2.1E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	8.7E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	1.1E-06	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	5.4E-07	2.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0008
			Exp. Route Total								3.8E-06					0.2
			Dermal	NAPHTHALENE	159	mg/kg	2.6E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.5E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.007
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	9.5E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	6.9E-07	2.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	3.0E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	5.9E-09	1.7E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	8.9E-08	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	1.3E-07	5.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	18.7	mg/kg	2.3E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	3.4E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.0E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0009
				VANADIUM	39.9	mg/kg	5.0E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	3.2E-08	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	6.5E-07	7.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								1.5E-06					0.02
		Exposure Point Total									5.3E-06					0.2
	Exposure Medium Total										5.3E-06					0.2

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	4.1E-04	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.4E-05	2.4E-03	(mg/m^3)	3.0E-03	(mg/m^3)	0.8
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	3.0E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.3E-11	6.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	8.7E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.9E-13	5.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	1.2E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	5.3E-10	7.1E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00005
				COBALT	5.8E-9	mg/m^3	9.5E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	8.6E-09	5.6E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0009
				LEAD	3.2E-9	mg/m^3	5.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	1.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.0E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000003
				VANADIUM	1.2E-8	mg/m^3	2.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	2.7E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	1.3E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.1E-08	2.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								1.4E-05					0.8
		Exposure Point Total									1.4E-05					0.8
	Exposure Medium Total										1.4E-05					0.8
Medium Total											1.9E-05					1.0

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block F	Ingestion	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	1.4E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.0E-05	8.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	2.3E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.5E-08	1.3E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.007
				AROCLOR-1260	0.160	mg/kg	3.8E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.5E-08	2.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	3.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.005
				ARSENIC	3.10	mg/kg	7.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.1E-06	4.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	1.20	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.002
				COBALT	7.00	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				LEAD	58.9	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				MOLYBDENUM	63.0	mg/kg	1.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.6E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				NICKEL	12.4	mg/kg	2.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0008
				VANADIUM	35.0	mg/kg	8.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.010
				DIESEL RANGE ORGANICS	91.8	mg/kg	2.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	6.3E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.2E-07	3.7E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								1.2E-05					0.09
			Dermal	BENZO(A)PYRENE EQUIVALENTS	6.10	mg/kg	7.4E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.4E-06	4.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.096	mg/kg	1.3E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.5E-08	7.3E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.004
				AROCLOR-1260	0.160	mg/kg	2.1E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.2E-08	1.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.40	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.001
				ARSENIC	3.10	mg/kg	8.7E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.3E-07	5.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	1.20	mg/kg	1.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0003
				COBALT	7.00	mg/kg	6.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				LEAD	58.9	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.870	mg/kg	8.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.002
				MOLYBDENUM	63.0	mg/kg	5.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0007
				NICKEL	12.4	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0008
				VANADIUM	35.0	mg/kg	3.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	91.8	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	1.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	2.70	mg/kg	2.5E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.1E-07	1.5E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								6.1E-06					0.01
		Exposure Point Total									1.8E-05					0.1
	Exposure Medium Total										1.8E-05					0.1

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block F	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.9E-9	mg/m^3	3.1E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	3.4E-10	1.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.0E-11	mg/m^3	4.9E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.8E-12	2.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.0E-11	mg/m^3	8.1E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	4.6E-12	4.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	4.3E-10	mg/m^3	7.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	9.6E-10	mg/m^3	1.6E-10	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	6.8E-10	9.2E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00006
				CADMIUM	3.7E-10	mg/m^3	6.1E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	1.1E-10	3.6E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00004
				COBALT	2.2E-9	mg/m^3	3.6E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	3.2E-09	2.1E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0003
				LEAD	1.8E-8	mg/m^3	3.0E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.7E-10	mg/m^3	4.4E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.6E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.000009
				MOLYBDENUM	2.0E-8	mg/m^3	3.2E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.8E-9	mg/m^3	6.3E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	1.6E-10	3.7E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	1.1E-8	mg/m^3	1.8E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.8E-8	mg/m^3	4.7E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-10	mg/m^3	6.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	8.4E-10	mg/m^3	1.4E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	1.2E-08	8.0E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000008
			Exp. Route Total								1.6E-08					0.0005
		Exposure Point Total									1.6E-08					0.0005
	Exposure Medium Total										1.6E-08					0.0005
Medium Total											1.8E-05					0.1
Subsurface Soil	Subsurface Soil	Block F	Ingestion	NAPHTHALENE	159	mg/kg	3.7E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.2E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.01
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	5.2E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	3.8E-07	3.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	4.0E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	8.0E-09	2.3E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	5.6E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	8.5E-07	3.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	18.7	mg/kg	4.4E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.09
				LEAD	10.4	mg/kg	2.4E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	6.3E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				VANADIUM	39.9	mg/kg	9.4E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	522	mg/kg	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	5.0E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	2.3E-07	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	1.2E-07	1.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								1.3E-06					0.1
			Dermal	NAPHTHALENE	159	mg/kg	1.9E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.1E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.006
				BENZO(A)PYRENE EQUIVALENTS	0.220	mg/kg	2.7E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	2.0E-07	1.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.017	mg/kg	2.2E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	4.5E-09	1.3E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	2.40	mg/kg	6.7E-08	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	1.0E-07	3.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				COBALT	18.7	mg/kg	1.8E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				LEAD	10.4	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.270	mg/kg	2.5E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.5E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0007
				VANADIUM	39.9	mg/kg	3.7E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.2E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	522	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	21.2	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	0.980	mg/kg	9.2E-09	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	1.8E-07	5.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0007
			Exp. Route Total								4.8E-07					0.01
		Exposure Point Total									1.8E-06					0.1
	Exposure Medium Total										1.8E-06					0.1

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK F - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block F	Inhalation	NAPHTHALENE	0.002	mg/m^3	4.1E-04	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.4E-05	2.4E-03	(mg/m^3)	3.0E-03	(mg/m^3)	0.8
				BENZO(A)PYRENE EQUIVALENTS	6.8E-11	mg/m^3	1.1E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.2E-11	6.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	5.3E-12	mg/m^3	8.7E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.9E-13	5.0E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	7.4E-10	mg/m^3	1.2E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	5.3E-10	7.1E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00005
				COBALT	5.8E-9	mg/m^3	9.5E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	8.6E-09	5.6E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0009
				LEAD	3.2E-9	mg/m^3	5.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	8.4E-11	mg/m^3	1.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.0E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000003
				VANADIUM	1.2E-8	mg/m^3	2.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.6E-7	mg/m^3	2.7E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-07	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	6.6E-9	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.0E-10	mg/m^3	5.0E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	4.2E-09	2.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								1.4E-05					0.8
		Exposure Point Total									1.4E-05					0.8
	Exposure Medium Total										1.4E-05					0.8
Medium Total											1.6E-05					0.9

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	2.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.8E-06	1.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	8.1E-10	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.6E-09	5.6E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.003
				AROCLOR-1260	0.260	mg/kg	1.7E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.5E-08	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.02
				ARSENIC	7.90	mg/kg	5.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.0E-07	3.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				CADMIUM	14.0	mg/kg	9.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.07
				COBALT	41.2	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.06
				LEAD	68.3	mg/kg	4.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				NICKEL	161	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.04
				VANADIUM	31.5	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	77.4	mg/kg	5.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	8.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	8.7E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.4E-08	6.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								2.7E-06					0.4
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	6.6E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.8E-07	4.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	2.3E-10	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.6E-10	1.6E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0008
				AROCLOR-1260	0.260	mg/kg	5.0E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.0E-08	3.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	2.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.003
				ARSENIC	7.90	mg/kg	3.3E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.9E-08	2.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				CADMIUM	14.0	mg/kg	1.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-07	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.005
				COBALT	41.2	mg/kg	5.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	2.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.008
				NICKEL	161	mg/kg	2.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.02
				VANADIUM	31.5	mg/kg	4.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.8E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.6E-08	1.3E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								5.8E-07					0.05
		Exposure Point Total									3.3E-06					0.4
	Exposure Medium Total										3.3E-06					0.4

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	2.6E-6	mg/m^3	8.4E-09	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	9.3E-09	5.9E-07	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	8.4E-9	mg/m^3	2.7E-11	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.6E-11	1.9E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	1.8E-7	mg/m^3	5.9E-10	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	3.4E-10	4.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	1.2E-6	mg/m^3	3.9E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.7E-07	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	5.5E-6	mg/m^3	1.8E-08	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	7.7E-08	1.3E-06	(mg/m^3)	1.5E-05	(mg/m^3)	0.08
				CADMIUM	9.8E-6	mg/m^3	3.2E-08	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	5.7E-08	2.2E-06	(mg/m^3)	1.0E-05	(mg/m^3)	0.2
				COBALT	2.9E-5	mg/m^3	9.4E-08	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	8.5E-07	6.6E-06	(mg/m^3)	6.0E-06	(mg/m^3)	1.1
				LEAD	4.8E-5	mg/m^3	1.6E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.1E-05	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	1.3E-6	mg/m^3	4.1E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.9E-07	(mg/m^3)	3.0E-05	(mg/m^3)	0.010
				NICKEL	1.1E-4	mg/m^3	3.7E-07	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	9.5E-08	2.6E-05	(mg/m^3)	9.0E-05	(mg/m^3)	0.3
				VANADIUM	2.2E-5	mg/m^3	7.2E-08	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.0E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	5.4E-5	mg/m^3	1.8E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-05	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	9.2E-5	mg/m^3	3.0E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.1E-05	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	9.1E-7	mg/m^3	3.0E-09	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	2.5E-07	2.1E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.002
			Exp. Route Total								1.3E-06					1.7
		Exposure Point Total									1.3E-06					1.7
	Exposure Medium Total										1.3E-06					1.7
Medium Total											4.6E-06					2.1
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	4.2E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.0E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00001
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	8.7E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	6.4E-07	6.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	9.4E-10	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.9E-09	6.6E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	2.4E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	3.6E-07	1.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				COBALT	31.0	mg/kg	2.1E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.5E-04	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.05
				IRON	17,200	mg/kg	1.2E-03	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	8.1E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	8.40	mg/kg	5.6E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	8.3E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.8E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.004
				MERCURY	0.014	mg/kg	9.4E-10	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.6E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0002
				VANADIUM	46.3	mg/kg	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.2E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	21.7	mg/kg	1.5E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	8.8E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	7.4E-08	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	3.7E-08	5.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								1.0E-06					0.2
			Dermal	NAPHTHALENE	0.063	mg/kg	1.1E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.9E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000004
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	2.3E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	1.7E-07	1.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	2.7E-10	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	5.4E-10	1.9E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	1.5E-08	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	2.2E-08	1.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	31.0	mg/kg	4.3E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.0E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0010
				IRON	17,200	mg/kg	2.4E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.7E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	1.7E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.2E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00008
				MERCURY	0.014	mg/kg	1.9E-11	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00006
				VANADIUM	46.3	mg/kg	6.4E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.5E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.5E-09	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	3.0E-08	1.1E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								2.2E-07					0.009
		Exposure Point Total									1.3E-06					0.3
	Exposure Medium Total										1.3E-06					0.3

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	6.1E-6	mg/m^3	2.0E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.8E-10	1.4E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0005
				BENZO(A)PYRENE EQUIVALENTS	9.1E-7	mg/m^3	3.0E-09	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.3E-09	2.1E-07	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	9.8E-9	mg/m^3	3.2E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.8E-11	2.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.5E-6	mg/m^3	8.2E-09	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.5E-08	5.7E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.04
				COBALT	2.2E-5	mg/m^3	7.1E-08	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	6.4E-07	4.9E-06	(mg/m^3)	6.0E-06	(mg/m^3)	0.8
				IRON	0.012	mg/m^3	3.9E-05	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-03	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	5.9E-6	mg/m^3	1.9E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-06	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	8.6E-5	mg/m^3	2.8E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-05	(mg/m^3)	5.0E-05	(mg/m^3)	0.4
				MERCURY	9.8E-9	mg/m^3	3.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-09	(mg/m^3)	3.0E-05	(mg/m^3)	0.00007
				VANADIUM	3.2E-5	mg/m^3	1.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.4E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.5E-5	mg/m^3	4.9E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.5E-06	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	9.2E-5	mg/m^3	3.0E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.1E-05	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	7.7E-7	mg/m^3	2.5E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.1E-07	1.8E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.002
			Exp. Route Total								8.9E-07					1.3
		Exposure Point Total									8.9E-07					1.3
	Exposure Medium Total										8.9E-07					1.3
Medium Total											2.1E-06					1.5

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	6.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.7E-06	1.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	2.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.2E-09	5.9E-09	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0003
				AROCLOR-1260	0.260	mg/kg	4.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.1E-08	1.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.3E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	7.90	mg/kg	1.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.1E-06	3.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	14.0	mg/kg	2.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.007
				COBALT	41.2	mg/kg	7.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				LEAD	68.3	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	3.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				NICKEL	161	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.004
				VANADIUM	31.5	mg/kg	5.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	77.4	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	2.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.3E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.1E-07	6.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								7.0E-06					0.10
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	1.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.1E-06	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	3.9E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.7E-09	1.1E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0005
				AROCLOR-1260	0.260	mg/kg	8.4E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.7E-07	2.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	3.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	7.90	mg/kg	5.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.2E-07	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				CADMIUM	14.0	mg/kg	3.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.004
				COBALT	41.2	mg/kg	9.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	4.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.006
				NICKEL	161	mg/kg	3.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.01
				VANADIUM	31.5	mg/kg	7.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	3.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.0E-07	8.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								9.7E-06					0.04
		Exposure Point Total									1.7E-05					0.1
	Exposure Medium Total										1.7E-05					0.1

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	9.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.0E-10	2.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	3.0E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.7E-13	8.5E-13	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	6.6E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.7E-12	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	4.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	2.0E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	8.6E-10	5.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00004
				CADMIUM	4.3E-9	mg/m^3	3.5E-10	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	6.4E-10	9.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00010
				COBALT	1.3E-8	mg/m^3	1.0E-09	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	9.4E-09	2.9E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-8	mg/m^3	1.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	4.5E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.000004
				NICKEL	5.0E-8	mg/m^3	4.1E-09	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.1E-09	1.1E-08	(mg/m^3)	9.0E-05	(mg/m^3)	0.0001
				VANADIUM	9.8E-9	mg/m^3	8.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	2.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	3.3E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.8E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								1.5E-08					0.0008
		Exposure Point Total									1.5E-08					0.0008
	Exposure Medium Total										1.5E-08					0.0008
Medium Total											1.7E-05					0.1

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	2.3E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.7E-06	6.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	2.4E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.9E-09	6.8E-09	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	6.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.4E-07	1.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				COBALT	31.0	mg/kg	5.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				IRON	17,200	mg/kg	3.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	8.40	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	2.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0004
				MERCURY	0.014	mg/kg	2.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-09	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00002
				VANADIUM	46.3	mg/kg	8.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				DIESEL RANGE ORGANICS	21.7	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	2.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.9E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	9.6E-08	5.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								2.7E-06					0.07
			Dermal	NAPHTHALENE	0.063	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	3.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.8E-06	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	4.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.0E-09	1.3E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	2.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.7E-07	7.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	31.0	mg/kg	7.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				IRON	17,200	mg/kg	4.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00006
				MERCURY	0.014	mg/kg	3.2E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-10	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00004
				VANADIUM	46.3	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.5E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.1E-07	7.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								3.7E-06					0.01
		Exposure Point Total									6.4E-06					0.09
	Exposure Medium Total										6.4E-06					0.09

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	8.0E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	2.7E-09	2.2E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00007
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	3.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.6E-11	9.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	3.5E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.0E-13	9.9E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	9.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.9E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	9.6E-9	mg/m^3	7.8E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	7.0E-09	2.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0004
				IRON	5.3E-6	mg/m^3	4.3E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	2.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	3.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.7E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	4.3E-12	mg/m^3	3.5E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.9E-13	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000003
				VANADIUM	1.4E-8	mg/m^3	1.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	5.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	2.8E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.3E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								1.3E-08					0.0006
		Exposure Point Total									1.3E-08					0.0006
	Exposure Medium Total										1.3E-08					0.0006
Medium Total											6.5E-06					0.09

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	8.2E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.0E-05	1.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	5.0E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.9E-09	5.8E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.003
				AROCLOR-1260	0.260	mg/kg	1.1E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.1E-07	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.2E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.02
				ARSENIC	7.90	mg/kg	3.3E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.9E-06	3.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				CADMIUM	14.0	mg/kg	5.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.07
				COBALT	41.2	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.7
				LEAD	68.3	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	7.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				NICKEL	161	mg/kg	6.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.8E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.04
				VANADIUM	31.5	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.03
				DIESEL RANGE ORGANICS	77.4	mg/kg	3.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	5.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.9E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.4E-06	6.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								6.6E-05					1.0
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	2.5E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.8E-05	5.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	1.6E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.3E-09	1.9E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0010
				AROCLOR-1260	0.260	mg/kg	3.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.1E-08	4.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.003
				ARSENIC	7.90	mg/kg	2.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.5E-07	2.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				CADMIUM	14.0	mg/kg	1.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-07	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.006
				COBALT	41.2	mg/kg	4.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.010
				NICKEL	161	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.02
				VANADIUM	31.5	mg/kg	3.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0007
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	6.7E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.3E-06	1.5E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								2.0E-05					0.07
		Exposure Point Total									8.6E-05					1.1
	Exposure Medium Total										8.6E-05					1.1

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	3.2E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	3.5E-11	6.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	1.9E-14	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.1E-14	2.2E-13	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	4.2E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	2.4E-13	4.9E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	2.7E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	1.3E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	5.4E-11	1.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.000010
				CADMIUM	4.3E-9	mg/m^3	2.2E-11	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	4.0E-11	2.6E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00003
				COBALT	1.3E-8	mg/m^3	6.6E-11	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	5.9E-10	7.7E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				LEAD	2.1E-8	mg/m^3	1.1E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	2.9E-12	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.4E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000001
				NICKEL	5.0E-8	mg/m^3	2.6E-10	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	6.7E-11	3.0E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00003
				VANADIUM	9.8E-9	mg/m^3	5.0E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	1.2E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	2.1E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.1E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	9.3E-10	2.4E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								1.7E-09					0.0002
		Exposure Point Total									1.7E-09					0.0002
	Exposure Medium Total										1.7E-09					0.0002
Medium Total											8.6E-05					1.1

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	2.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	2.9E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.1E-05	6.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	5.8E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.2E-08	6.8E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	1.5E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-06	1.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				COBALT	31.0	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.5
				IRON	17,200	mg/kg	7.1E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.3E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.1
				LEAD	8.40	mg/kg	3.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	5.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.004
				MERCURY	0.014	mg/kg	5.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0002
				VANADIUM	46.3	mg/kg	1.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.04
				DIESEL RANGE ORGANICS	21.7	mg/kg	9.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	5.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.4E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.2E-06	5.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								2.4E-05					0.7
			Dermal	NAPHTHALENE	0.063	mg/kg	8.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000005
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	8.8E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.4E-06	1.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	1.9E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.8E-09	2.2E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.6E-07	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				COBALT	31.0	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				IRON	17,200	mg/kg	1.7E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.003
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00010
				MERCURY	0.014	mg/kg	1.4E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00008
				VANADIUM	46.3	mg/kg	4.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.2E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	5.7E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.1E-06	1.2E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								7.7E-06					0.02
		Exposure Point Total									3.2E-05					0.7
	Exposure Medium Total										3.2E-05					0.7

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	5.1E-09	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.7E-10	5.9E-08	(mg/m^3)	3.0E-03	(mg/m^3)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	1.1E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.2E-11	2.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	2.2E-14	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.3E-14	2.6E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	5.8E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.5E-11	6.7E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				COBALT	9.6E-9	mg/m^3	5.0E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.5E-10	5.8E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00010
				IRON	5.3E-6	mg/m^3	2.8E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	1.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	2.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.3E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00005
				MERCURY	4.3E-12	mg/m^3	2.2E-14	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.6E-13	(mg/m^3)	3.0E-05	(mg/m^3)	8.70831E-09
				VANADIUM	1.4E-8	mg/m^3	7.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	3.5E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	2.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	9.4E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	7.9E-10	2.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								1.4E-09					0.0002
		Exposure Point Total									1.4E-09					0.0002
	Exposure Medium Total										1.4E-09					0.0002
Medium Total											3.2E-05					0.7

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	1.5E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.1E-05	3.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	1.9E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.7E-09	1.1E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0005
				AROCLOR-1260	0.260	mg/kg	4.0E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.1E-08	2.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	2.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.004
				ARSENIC	7.90	mg/kg	1.2E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.8E-06	7.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	14.0	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.01
				COBALT	41.2	mg/kg	6.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				LEAD	68.3	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				NICKEL	161	mg/kg	2.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.007
				VANADIUM	31.5	mg/kg	4.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.006
				DIESEL RANGE ORGANICS	77.4	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	2.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	5.4E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.7E-07	1.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								1.3E-05					0.2
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	1.7E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.3E-05	3.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	2.2E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.5E-09	1.3E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0007
				AROCLOR-1260	0.260	mg/kg	4.9E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.7E-08	2.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	2.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	7.90	mg/kg	3.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.8E-07	1.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				CADMIUM	14.0	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-07	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.004
				COBALT	41.2	mg/kg	5.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	2.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.007
				NICKEL	161	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.02
				VANADIUM	31.5	mg/kg	4.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	4.6E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	9.3E-07	1.0E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								1.4E-05					0.05
		Exposure Point Total									2.7E-05					0.2
	Exposure Medium Total										2.7E-05					0.2

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	3.2E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.5E-11	6.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	3.8E-14	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.2E-14	2.2E-13	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	8.3E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.7E-13	4.9E-12	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	5.4E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	2.5E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.1E-10	1.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.000010
				CADMIUM	4.3E-9	mg/m^3	4.5E-11	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	8.1E-11	2.6E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00003
				COBALT	1.3E-8	mg/m^3	1.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.2E-09	7.7E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				LEAD	2.1E-8	mg/m^3	2.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	5.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.4E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000001
				NICKEL	5.0E-8	mg/m^3	5.2E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.3E-10	3.0E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00003
				VANADIUM	9.8E-9	mg/m^3	1.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	2.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	4.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.1E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	9.3E-10	2.4E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								2.5E-09					0.0002
		Exposure Point Total									2.5E-09					0.0002
	Exposure Medium Total										2.5E-09					0.0002
Medium Total											2.7E-05					0.2
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	9.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.7E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	5.4E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.9E-06	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	2.2E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.3E-09	1.3E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	5.6E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.4E-07	3.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	31.0	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.09
				IRON	17,200	mg/kg	2.7E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	8.40	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	1.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0008
				MERCURY	0.014	mg/kg	2.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00004
				VANADIUM	46.3	mg/kg	7.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.008
				DIESEL RANGE ORGANICS	21.7	mg/kg	3.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	2.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	4.5E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.3E-07	9.9E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								5.0E-06					0.1
			Dermal	NAPHTHALENE	0.063	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	6.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.4E-06	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	2.6E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.2E-09	1.5E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	1.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-07	8.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	31.0	mg/kg	4.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				IRON	17,200	mg/kg	2.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.6E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00007
				MERCURY	0.014	mg/kg	1.9E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00005
				VANADIUM	46.3	mg/kg	6.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0007
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	3.9E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	7.9E-07	8.6E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								5.4E-06					0.01
		Exposure Point Total									1.0E-05					0.2
	Exposure Medium Total										1.0E-05					0.2

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	1.0E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.5E-10	5.9E-08	(mg/m^3)	3.0E-03	(mg/m^3)	0.00002
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	1.1E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.2E-11	2.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	4.5E-14	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.6E-14	2.6E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	5.0E-11	6.7E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				COBALT	9.6E-9	mg/m^3	9.9E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	8.9E-10	5.8E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00010
				IRON	5.3E-6	mg/m^3	5.5E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-07	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	2.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	3.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.3E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.00005
				MERCURY	4.3E-12	mg/m^3	4.5E-14	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.6E-13	(mg/m^3)	3.0E-05	(mg/m^3)	8.70831E-09
				VANADIUM	1.4E-8	mg/m^3	1.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	6.9E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	4.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	9.4E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	7.9E-10	2.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								2.1E-09					0.0002
		Exposure Point Total									2.1E-09					0.0002
	Exposure Medium Total										2.1E-09					0.0002
Medium Total											1.0E-05					0.2

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALE	3.70	mg/kg	6.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.7E-06	1.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	2.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.2E-09	5.9E-09	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0003
				AROCLOR-1260	0.260	mg/kg	4.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.1E-08	1.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.3E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	7.90	mg/kg	1.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.1E-06	3.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	14.0	mg/kg	2.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.007
				COBALT	41.2	mg/kg	7.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				LEAD	68.3	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	3.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				NICKEL	161	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.004
				VANADIUM	31.5	mg/kg	5.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	77.4	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	2.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.3E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.1E-07	6.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								7.0E-06					0.10
			Dermal	BENZO(A)PYRENE EQUIVALE	3.70	mg/kg	1.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.1E-06	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	3.9E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.7E-09	1.1E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0005
				AROCLOR-1260	0.260	mg/kg	8.4E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.7E-07	2.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	3.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	7.90	mg/kg	5.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.2E-07	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				CADMIUM	14.0	mg/kg	3.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.004
				COBALT	41.2	mg/kg	9.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	4.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.006
				NICKEL	161	mg/kg	3.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.01
				VANADIUM	31.5	mg/kg	7.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	3.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.0E-07	8.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								9.7E-06					0.04
		Exposure Point Total									1.7E-05					0.1
	Exposure Medium Total										1.7E-05					0.1

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALE	1.1E-9	mg/m^3	9.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.0E-10	2.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	3.0E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	1.7E-13	8.5E-13	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	6.6E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.7E-12	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	4.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	2.0E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	8.6E-10	5.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00004
				CADMIUM	4.3E-9	mg/m^3	3.5E-10	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	6.4E-10	9.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00010
				COBALT	1.3E-8	mg/m^3	1.0E-09	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	9.4E-09	2.9E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-8	mg/m^3	1.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	4.5E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.000004
				NICKEL	5.0E-8	mg/m^3	4.1E-09	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.1E-09	1.1E-08	(mg/m^3)	9.0E-05	(mg/m^3)	0.0001
				VANADIUM	9.8E-9	mg/m^3	8.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	2.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	3.3E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.8E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								1.5E-08					0.0008
		Exposure Point Total									1.5E-08					0.0008
	Exposure Medium Total										1.5E-08					0.0008
Medium Total											1.7E-05					0.1

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				BENZO(A)PYRENE EQUIVALE	1.30	mg/kg	2.3E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.7E-06	6.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	2.4E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.9E-09	6.8E-09	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	6.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.4E-07	1.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				COBALT	31.0	mg/kg	5.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				IRON	17,200	mg/kg	3.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.01
				LEAD	8.40	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	2.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0004
				MERCURY	0.014	mg/kg	2.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-09	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00002
				VANADIUM	46.3	mg/kg	8.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				DIESEL RANGE ORGANICS	21.7	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	2.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.9E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	9.6E-08	5.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								2.7E-06					0.07
			Dermal	NAPHTHALENE	0.063	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALE	1.30	mg/kg	3.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.8E-06	1.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	4.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.0E-09	1.3E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	2.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.7E-07	7.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	31.0	mg/kg	7.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				IRON	17,200	mg/kg	4.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00006
				MERCURY	0.014	mg/kg	3.2E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-10	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00004
				VANADIUM	46.3	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.5E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.1E-07	7.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								3.7E-06					0.01
		Exposure Point Total									6.4E-06					0.09
	Exposure Medium Total										6.4E-06					0.09

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	8.0E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	2.7E-09	2.2E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00007
				BENZO(A)PYRENE EQUIVALE	4.0E-10	mg/m^3	3.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.6E-11	9.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	3.5E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.0E-13	9.9E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	9.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.9E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	9.6E-9	mg/m^3	7.8E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	7.0E-09	2.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0004
				IRON	5.3E-6	mg/m^3	4.3E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	2.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	3.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.7E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	4.3E-12	mg/m^3	3.5E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.9E-13	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000003
				VANADIUM	1.4E-8	mg/m^3	1.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	5.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	2.8E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.3E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								1.3E-08					0.0006
		Exposure Point Total									1.3E-08					0.0006
	Exposure Medium Total										1.3E-08					0.0006
Medium Total											6.5E-06					0.09

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	1.5E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.1E-04	3.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	9.4E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.9E-08	1.1E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.005
				AROCLOR-1260	0.260	mg/kg	2.0E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.1E-07	2.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.04
				ARSENIC	7.90	mg/kg	6.2E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.3E-06	7.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				CADMIUM	14.0	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.1
				COBALT	41.2	mg/kg	3.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.8E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	1.3
				LEAD	68.3	mg/kg	5.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	1.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				NICKEL	161	mg/kg	1.3E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-03	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.07
				VANADIUM	31.5	mg/kg	2.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.06
				DIESEL RANGE ORGANICS	77.4	mg/kg	6.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	1.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	5.4E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.7E-06	1.2E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.004
			Exp. Route Total								1.3E-04					1.9
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	5.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.1E-05	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	3.7E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.4E-09	4.3E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.002
				AROCLOR-1260	0.260	mg/kg	8.0E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.6E-07	9.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	3.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.007
				ARSENIC	7.90	mg/kg	5.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	7.8E-07	6.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	14.0	mg/kg	3.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-07	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.01
				COBALT	41.2	mg/kg	9.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	3.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.02
				NICKEL	161	mg/kg	3.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.05
				VANADIUM	31.5	mg/kg	6.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.5E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.0E-06	3.3E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.004
			Exp. Route Total								4.5E-05					0.2
		Exposure Point Total									1.7E-04					2.0
	Exposure Medium Total										1.7E-04					2.0

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	1.2E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.3E-10	2.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	7.3E-14	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.1E-14	8.5E-13	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	1.6E-12	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	9.0E-13	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	1.0E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	4.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.1E-10	5.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00004
				CADMIUM	4.3E-9	mg/m^3	8.5E-11	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.5E-10	9.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00010
				COBALT	1.3E-8	mg/m^3	2.5E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.2E-09	2.9E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-8	mg/m^3	4.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.000004
				NICKEL	5.0E-8	mg/m^3	9.8E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	2.5E-10	1.1E-08	(mg/m^3)	9.0E-05	(mg/m^3)	0.0001
				VANADIUM	9.8E-9	mg/m^3	1.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	4.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	7.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	4.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.5E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								6.5E-09					0.0008
		Exposure Point Total									6.5E-09					0.0008
	Exposure Medium Total										6.5E-09					0.0008
Medium Total											1.7E-04					2.0
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	4.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00003
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	5.4E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.0E-05	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	1.1E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.2E-08	1.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	2.8E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.2E-06	3.3E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				COBALT	31.0	mg/kg	2.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.9
				IRON	17,200	mg/kg	1.3E-02	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.2
				LEAD	8.40	mg/kg	6.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	9.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.008
				MERCURY	0.014	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0004
				VANADIUM	46.3	mg/kg	3.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.08
				DIESEL RANGE ORGANICS	21.7	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	1.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	4.6E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.3E-06	1.0E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.003
			Exp. Route Total								4.6E-05					1.4
			Dermal	NAPHTHALENE	0.063	mg/kg	1.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00001
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	2.0E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.4E-05	4.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	4.3E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.6E-09	5.0E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	2.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-07	2.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				COBALT	31.0	mg/kg	6.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				IRON	17,200	mg/kg	3.8E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.006
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	2.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0002
				MERCURY	0.014	mg/kg	3.1E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0002
				VANADIUM	46.3	mg/kg	1.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.3E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.6E-06	2.8E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.004
			Exp. Route Total								1.7E-05					0.05
		Exposure Point Total									6.4E-05					1.4
	Exposure Medium Total										6.4E-05					1.4

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	1.9E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.5E-10	2.2E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00007
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	4.2E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	4.6E-11	9.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	8.5E-14	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.8E-14	9.9E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	2.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	9.4E-11	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	9.6E-9	mg/m^3	1.9E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.7E-09	2.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0004
				IRON	5.3E-6	mg/m^3	1.0E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	5.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	7.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.7E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	4.3E-12	mg/m^3	8.5E-14	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.9E-13	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000003
				VANADIUM	1.4E-8	mg/m^3	2.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	7.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	3.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.0E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								5.5E-09					0.0006
		Exposure Point Total									5.5E-09					0.0006
	Exposure Medium Total										5.5E-09					0.0006
Medium Total											6.4E-05					1.4

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	2.9E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.1E-05	6.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	3.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	7.0E-09	2.1E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.001
				AROCLOR-1260	0.260	mg/kg	7.6E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.5E-07	4.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	5.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.007
				ARSENIC	7.90	mg/kg	2.3E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.5E-06	1.4E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				CADMIUM	14.0	mg/kg	4.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.02
				COBALT	41.2	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				LEAD	68.3	mg/kg	2.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	5.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				NICKEL	161	mg/kg	4.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.01
				VANADIUM	31.5	mg/kg	9.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	77.4	mg/kg	2.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	3.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.0E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	5.1E-07	2.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0007
			Exp. Route Total								2.5E-05					0.3
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	1.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.3E-06	2.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	1.5E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.0E-09	8.7E-09	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0004
				AROCLOR-1260	0.260	mg/kg	3.2E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.5E-08	1.9E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	1.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.8E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.001
				ARSENIC	7.90	mg/kg	2.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.2E-07	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				CADMIUM	14.0	mg/kg	1.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.2E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.003
				COBALT	41.2	mg/kg	3.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	1.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.004
				NICKEL	161	mg/kg	1.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.3E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.01
				VANADIUM	31.5	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	3.1E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	6.2E-07	6.7E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								9.3E-06					0.03
		Exposure Point Total									3.5E-05					0.4
	Exposure Medium Total										3.5E-05					0.4

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	1.2E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	1.3E-10	2.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	1.5E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	8.3E-14	8.5E-13	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	3.2E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.8E-12	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	9.6E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	4.1E-10	5.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00004
				CADMIUM	4.3E-9	mg/m^3	1.7E-10	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	3.1E-10	9.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00010
				COBALT	1.3E-8	mg/m^3	5.0E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	4.5E-09	2.9E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-8	mg/m^3	8.3E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	2.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.3E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.000004
				NICKEL	5.0E-8	mg/m^3	2.0E-09	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	5.1E-10	1.1E-08	(mg/m^3)	9.0E-05	(mg/m^3)	0.0001
				VANADIUM	9.8E-9	mg/m^3	3.8E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	9.4E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	4.2E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	3.5E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								9.4E-09					0.0008
		Exposure Point Total									9.4E-09					0.0008
	Exposure Medium Total										9.4E-09					0.0008
Medium Total											3.5E-05					0.4

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	1.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000005
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	1.0E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.4E-06	2.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	4.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.2E-09	2.4E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	1.1E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.6E-06	6.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	31.0	mg/kg	9.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				IRON	17,200	mg/kg	5.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.04
				LEAD	8.40	mg/kg	2.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	3.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.002
				MERCURY	0.014	mg/kg	4.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00008
				VANADIUM	46.3	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	21.7	mg/kg	6.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	3.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	8.6E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.3E-07	1.9E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0006
			Exp. Route Total								9.5E-06					0.3
			Dermal	NAPHTHALENE	0.063	mg/kg	7.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	4.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.9E-06	8.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	1.7E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.5E-09	1.0E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	9.6E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-07	5.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	31.0	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				IRON	17,200	mg/kg	1.5E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.001
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.014	mg/kg	1.2E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.2E-10	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00003
				VANADIUM	46.3	mg/kg	4.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.6E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.2E-07	5.7E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0008
			Exp. Route Total								3.6E-06					0.010
		Exposure Point Total									1.3E-05					0.3
	Exposure Medium Total										1.3E-05					0.3

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	3.9E-08	(mg/m^3)	3.4E-05	(ug/m^3)$^{-1}$	1.3E-09	2.2E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00007
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	4.2E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	4.6E-11	9.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	1.7E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	9.7E-14	9.9E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	4.4E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	1.9E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	9.6E-9	mg/m^3	3.8E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	3.4E-09	2.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0004
				IRON	5.3E-6	mg/m^3	2.1E-07	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	1.0E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	1.5E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	8.7E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	4.3E-12	mg/m^3	1.7E-13	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.9E-13	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000003
				VANADIUM	1.4E-8	mg/m^3	5.6E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	3.6E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	3.0E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								7.9E-09					0.0006
		Exposure Point Total									7.9E-09					0.0006
	Exposure Medium Total										7.9E-09					0.0006
Medium Total											1.3E-05					0.3

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	6.2E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.5E-06	3.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	2.0E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.0E-09	1.2E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0006
				AROCLOR-1260	0.260	mg/kg	4.4E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	8.7E-08	2.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	2.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.004
				ARSENIC	7.90	mg/kg	1.3E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.0E-06	7.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				CADMIUM	14.0	mg/kg	2.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.01
				COBALT	41.2	mg/kg	6.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				LEAD	68.3	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				NICKEL	161	mg/kg	2.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.008
				VANADIUM	31.5	mg/kg	5.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.006
				DIESEL RANGE ORGANICS	77.4	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	2.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.2E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.1E-07	1.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								6.7E-06					0.2
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	3.2E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.4E-06	1.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	1.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.2E-09	6.6E-09	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0003
				AROCLOR-1260	0.260	mg/kg	2.4E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.9E-08	1.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.001
				ARSENIC	7.90	mg/kg	1.6E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.4E-07	9.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				CADMIUM	14.0	mg/kg	9.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.5E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.002
				COBALT	41.2	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	1.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				NICKEL	161	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.008
				VANADIUM	31.5	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	8.7E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.7E-07	5.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0007
			Exp. Route Total								2.8E-06					0.02
		Exposure Point Total									9.5E-06					0.2
	Exposure Medium Total										9.5E-06					0.2

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	4.5E-11	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	4.9E-11	2.6E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	1.5E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	8.3E-14	8.5E-13	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	3.2E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.8E-12	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	9.6E-11	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	4.1E-10	5.6E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00004
				CADMIUM	4.3E-9	mg/m^3	1.7E-10	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	3.1E-10	9.9E-10	(mg/m^3)	1.0E-05	(mg/m^3)	0.00010
				COBALT	1.3E-8	mg/m^3	5.0E-10	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	4.5E-09	2.9E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-8	mg/m^3	8.3E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	4.8E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	2.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	1.3E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.000004
				NICKEL	5.0E-8	mg/m^3	2.0E-09	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	5.1E-10	1.1E-08	(mg/m^3)	9.0E-05	(mg/m^3)	0.0001
				VANADIUM	9.8E-9	mg/m^3	3.8E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	9.4E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.6E-11	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	1.3E-09	9.2E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000009
			Exp. Route Total								7.1E-09					0.0008
		Exposure Point Total									7.1E-09					0.0008
	Exposure Medium Total										7.1E-09					0.0008
Medium Total											9.5E-06					0.2
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	1.1E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.2E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	2.2E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	1.6E-06	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	2.3E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	4.7E-09	1.4E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	6.0E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	9.1E-07	3.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	31.0	mg/kg	5.2E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.0E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				IRON	17,200	mg/kg	2.9E-03	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.7E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.02
				LEAD	8.40	mg/kg	1.4E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	8.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	2.1E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.2E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0009
				MERCURY	0.014	mg/kg	2.3E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.4E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00005
				VANADIUM	46.3	mg/kg	7.8E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.009
				DIESEL RANGE ORGANICS	21.7	mg/kg	3.6E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	2.2E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.8E-07	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	9.2E-08	1.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								2.6E-06					0.1
			Dermal	NAPHTHALENE	0.063	mg/kg	5.5E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.2E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	1.1E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	8.3E-07	6.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	1.3E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	2.6E-09	7.7E-09	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	7.2E-08	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	1.1E-07	4.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				COBALT	31.0	mg/kg	2.1E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				IRON	17,200	mg/kg	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.7E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.0010
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	8.2E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.8E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00003
				MERCURY	0.014	mg/kg	9.4E-11	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.5E-10	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00003
				VANADIUM	46.3	mg/kg	3.1E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	7.4E-09	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	1.5E-07	4.3E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0006
			Exp. Route Total								1.1E-06					0.007
		Exposure Point Total									3.7E-06					0.2
	Exposure Medium Total										3.7E-06					0.2

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	3.9E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.3E-09	2.2E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00007
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	1.6E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.7E-11	9.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	1.7E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	9.7E-14	9.9E-13	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	4.4E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.9E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	9.6E-9	mg/m^3	3.8E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.4E-09	2.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0004
				IRON	5.3E-6	mg/m^3	2.1E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.2E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	1.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	1.5E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.7E-09	(mg/m^3)	5.0E-05	(mg/m^3)	0.0002
				MERCURY	4.3E-12	mg/m^3	1.7E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.9E-13	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000003
				VANADIUM	1.4E-8	mg/m^3	5.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	2.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.3E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	1.3E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.1E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								6.0E-09					0.0006
		Exposure Point Total									6.0E-09					0.0006
	Exposure Medium Total										6.0E-09					0.0006
Medium Total											3.7E-06					0.2

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	2.2E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.6E-04	4.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	1.3E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.6E-08	1.5E-07	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.008
				AROCLOR-1260	0.260	mg/kg	2.8E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.7E-07	3.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-05	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.05
				ARSENIC	7.90	mg/kg	8.7E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.3E-05	1.0E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.3
				CADMIUM	14.0	mg/kg	1.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-04	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.2
				COBALT	41.2	mg/kg	4.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	1.8
				LEAD	68.3	mg/kg	7.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.7E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.08
				NICKEL	161	mg/kg	1.8E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-03	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.1
				VANADIUM	31.5	mg/kg	3.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.08
				DIESEL RANGE ORGANICS	77.4	mg/kg	8.5E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	1.4E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	7.6E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.8E-06	1.7E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.006
			Exp. Route Total								1.8E-04					2.6
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	7.9E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.7E-05	1.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	5.2E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.0E-08	6.0E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.003
				AROCLOR-1260	0.260	mg/kg	1.1E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.2E-07	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	5.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.01
				ARSENIC	7.90	mg/kg	7.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.1E-06	8.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				CADMIUM	14.0	mg/kg	4.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-07	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.02
				COBALT	41.2	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	5.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.03
				NICKEL	161	mg/kg	4.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.07
				VANADIUM	31.5	mg/kg	9.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	2.1E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	4.3E-06	4.7E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.006
			Exp. Route Total								6.3E-05					0.2
		Exposure Point Total									2.4E-04					2.8
	Exposure Medium Total										2.4E-04					2.8

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	5.0E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	5.5E-10	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	3.1E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	1.7E-13	3.6E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	6.6E-12	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	3.8E-12	7.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	4.3E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	2.0E-10	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	8.6E-10	2.3E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.0002
				CADMIUM	4.3E-9	mg/m^3	3.6E-10	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	6.4E-10	4.2E-09	(mg/m^3)	1.0E-05	(mg/m^3)	0.0004
				COBALT	1.3E-8	mg/m^3	1.0E-09	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	9.4E-09	1.2E-08	(mg/m^3)	6.0E-06	(mg/m^3)	0.002
				LEAD	2.1E-8	mg/m^3	1.7E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	4.6E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.3E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.00002
				NICKEL	5.0E-8	mg/m^3	4.1E-09	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	1.1E-09	4.8E-08	(mg/m^3)	9.0E-05	(mg/m^3)	0.0005
				VANADIUM	9.8E-9	mg/m^3	8.0E-10	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	2.0E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.3E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.8E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	1.5E-08	3.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								2.7E-08					0.003
		Exposure Point Total									2.7E-08					0.003
	Exposure Medium Total										2.7E-08					0.003
Medium Total											2.4E-04					2.8
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	6.9E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	8.1E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00004
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	7.6E-06	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	5.5E-05	1.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	1.5E-08	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	3.1E-08	1.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	3.9E-06	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	5.9E-06	4.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				COBALT	31.0	mg/kg	3.4E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.0E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	1.3
				IRON	17,200	mg/kg	1.9E-02	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.2E-01	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.3
				LEAD	8.40	mg/kg	9.2E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	1.3E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.6E-03	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.01
				MERCURY	0.014	mg/kg	1.5E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0006
				VANADIUM	46.3	mg/kg	5.1E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.9E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.1
				DIESEL RANGE ORGANICS	21.7	mg/kg	2.4E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	1.4E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.7E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	6.4E-06	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	3.2E-06	1.4E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.005
			Exp. Route Total								6.5E-05					1.9
			Dermal	NAPHTHALENE	0.063	mg/kg	2.5E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.9E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00001
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	2.8E-06	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	2.0E-05	6.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	6.0E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.2E-08	7.0E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	3.3E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	5.0E-07	3.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	31.0	mg/kg	9.5E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				IRON	17,200	mg/kg	5.3E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	6.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.009
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	3.8E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.4E-05	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.0003
				MERCURY	0.014	mg/kg	4.3E-10	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.0E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0002
				VANADIUM	46.3	mg/kg	1.4E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.8E-07	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	3.6E-06	3.9E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.005
			Exp. Route Total								2.4E-05					0.07
		Exposure Point Total									8.9E-05					2.0
	Exposure Medium Total										8.9E-05					2.0

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	8.1E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	2.8E-09	9.4E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.0003
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	1.8E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.9E-10	3.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	3.6E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	2.0E-13	4.2E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	9.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.9E-10	1.1E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				COBALT	9.6E-9	mg/m^3	7.9E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	7.1E-09	9.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.002
				IRON	5.3E-6	mg/m^3	4.4E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	2.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	3.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0007
				MERCURY	4.3E-12	mg/m^3	3.6E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000001
				VANADIUM	1.4E-8	mg/m^3	1.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	5.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	1.5E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-08	3.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								2.3E-08					0.003
		Exposure Point Total									2.3E-08					0.003
	Exposure Medium Total										2.3E-08					0.003
Medium Total											8.9E-05					2.0

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	4.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.0E-05	8.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	4.9E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.9E-09	2.9E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.001
				AROCLOR-1260	0.260	mg/kg	1.1E-07	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	2.1E-07	6.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	7.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.01
				ARSENIC	7.90	mg/kg	3.2E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.9E-06	1.9E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				CADMIUM	14.0	mg/kg	5.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.03
				COBALT	41.2	mg/kg	1.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.9E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.3
				LEAD	68.3	mg/kg	2.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	7.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				NICKEL	161	mg/kg	6.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.02
				VANADIUM	31.5	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	77.4	mg/kg	3.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	5.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.4E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	7.1E-07	3.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								3.5E-05					0.5
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	1.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.2E-05	3.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	2.1E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	4.2E-09	1.2E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0006
				AROCLOR-1260	0.260	mg/kg	4.5E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	9.0E-08	2.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	2.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	7.90	mg/kg	2.9E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.4E-07	1.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				CADMIUM	14.0	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-07	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.004
				COBALT	41.2	mg/kg	5.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.010
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	2.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-07	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.006
				NICKEL	161	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.01
				VANADIUM	31.5	mg/kg	3.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	4.3E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	8.6E-07	9.4E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								1.3E-05					0.04
		Exposure Point Total									4.8E-05					0.5
	Exposure Medium Total										4.8E-05					0.5

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	5.0E-10	(mg/m^3)	1.1E-03	(ug/m^3)$^{-1}$	5.5E-10	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	6.1E-13	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	3.5E-13	3.6E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	1.3E-11	(mg/m^3)	5.7E-04	(ug/m^3)$^{-1}$	7.5E-12	7.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	8.7E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	4.0E-10	(mg/m^3)	4.3E-03	(ug/m^3)$^{-1}$	1.7E-09	2.3E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.0002
				CADMIUM	4.3E-9	mg/m^3	7.1E-10	(mg/m^3)	1.8E-03	(ug/m^3)$^{-1}$	1.3E-09	4.2E-09	(mg/m^3)	1.0E-05	(mg/m^3)	0.0004
				COBALT	1.3E-8	mg/m^3	2.1E-09	(mg/m^3)	9.0E-03	(ug/m^3)$^{-1}$	1.9E-08	1.2E-08	(mg/m^3)	6.0E-06	(mg/m^3)	0.002
				LEAD	2.1E-8	mg/m^3	3.5E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	9.2E-11	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	5.3E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.00002
				NICKEL	5.0E-8	mg/m^3	8.2E-09	(mg/m^3)	2.6E-04	(ug/m^3)$^{-1}$	2.1E-09	4.8E-08	(mg/m^3)	9.0E-05	(mg/m^3)	0.0005
				VANADIUM	9.8E-9	mg/m^3	1.6E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	9.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	3.9E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	2.3E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	6.7E-09	(mg/m^3)	NA	(ug/m^3)$^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	1.8E-10	(mg/m^3)	8.4E-02	(ug/m^3)$^{-1}$	1.5E-08	3.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								3.9E-08					0.003
		Exposure Point Total									3.9E-08					0.003
	Exposure Medium Total										3.9E-08					0.003
Medium Total											4.8E-05					0.5
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	2.6E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.5E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000008
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	1.4E-06	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	1.0E-05	3.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	5.8E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	1.2E-08	3.4E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	1.5E-06	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	2.2E-06	8.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				COBALT	31.0	mg/kg	1.3E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	7.4E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				IRON	17,200	mg/kg	7.1E-03	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	4.1E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.06
				LEAD	8.40	mg/kg	3.5E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	5.1E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.9E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.002
				MERCURY	0.014	mg/kg	5.8E-09	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.4E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0001
				VANADIUM	46.3	mg/kg	1.9E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.1E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	21.7	mg/kg	8.9E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	5.4E-05	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.2E-06	(mg/kg/day)	5.0E-01	(mg/kg/day)$^{-1}$	6.0E-07	2.6E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0009
			Exp. Route Total								1.3E-05					0.4
			Dermal	NAPHTHALENE	0.063	mg/kg	1.0E-08	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	5.9E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000003
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	5.6E-07	(mg/kg/day)	7.3E+00	(mg/kg/day)$^{-1}$	4.1E-06	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	2.4E-09	(mg/kg/day)	2.0E+00	(mg/kg/day)$^{-1}$	4.9E-09	1.4E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	1.3E-07	(mg/kg/day)	1.5E+00	(mg/kg/day)$^{-1}$	2.0E-07	7.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	31.0	mg/kg	3.9E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	2.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.007
				IRON	17,200	mg/kg	2.1E-04	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.2E-03	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.002
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	1.5E-06	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	8.9E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00006
				MERCURY	0.014	mg/kg	1.7E-10	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	1.0E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00005
				VANADIUM	46.3	mg/kg	5.8E-07	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	3.4E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0007
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)$^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	3.6E-08	(mg/kg/day)	2.0E+01	(mg/kg/day)$^{-1}$	7.3E-07	8.0E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								5.0E-06					0.01
		Exposure Point Total									1.8E-05					0.4
	Exposure Medium Total										1.8E-05					0.4

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	1.6E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	5.5E-09	9.4E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.0003
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	1.8E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.9E-10	3.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	7.1E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.1E-13	4.2E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.9E-10	1.1E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				COBALT	9.6E-9	mg/m^3	1.6E-09	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.4E-08	9.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.002
				IRON	5.3E-6	mg/m^3	8.8E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	4.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	6.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0007
				MERCURY	4.3E-12	mg/m^3	7.1E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000001
				VANADIUM	1.4E-8	mg/m^3	2.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	6.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	1.5E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-08	3.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								3.3E-08					0.003
		Exposure Point Total									3.3E-08					0.003
	Exposure Medium Total										3.3E-08					0.003
Medium Total											1.8E-05					0.4

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	8.7E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.3E-06	5.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	2.8E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	5.6E-09	1.6E-08	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0008
				AROCLOR-1260	0.260	mg/kg	6.1E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	1.2E-07	3.6E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	4.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.006
				ARSENIC	7.90	mg/kg	1.9E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.8E-06	1.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				CADMIUM	14.0	mg/kg	3.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.02
				COBALT	41.2	mg/kg	9.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				LEAD	68.3	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	4.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				NICKEL	161	mg/kg	3.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.01
				VANADIUM	31.5	mg/kg	7.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.009
				DIESEL RANGE ORGANICS	77.4	mg/kg	1.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	3.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	3.1E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.5E-07	1.8E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0006
			Exp. Route Total								9.4E-06					0.3
			Dermal	BENZO(A)PYRENE EQUIVALENTS	3.70	mg/kg	4.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.3E-06	2.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1254	0.012	mg/kg	1.6E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.1E-09	9.2E-09	(mg/kg/day)	2.0E-05	(mg/kg/day)	0.0005
				AROCLOR-1260	0.260	mg/kg	3.4E-08	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.8E-08	2.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	1.70	mg/kg	1.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	7.90	mg/kg	2.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.3E-07	1.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				CADMIUM	14.0	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-08	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.003
				COBALT	41.2	mg/kg	3.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				LEAD	68.3	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	1.80	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.005
				NICKEL	161	mg/kg	1.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.8E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.01
				VANADIUM	31.5	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	77.4	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.30	mg/kg	1.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.4E-07	7.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								3.9E-06					0.03
		Exposure Point Total									1.3E-05					0.3
	Exposure Medium Total										1.3E-05					0.3

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.1E-9	mg/m^3	1.9E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.1E-10	1.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1254	3.7E-12	mg/m^3	6.1E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	3.5E-13	3.6E-12	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	8.0E-11	mg/m^3	1.3E-11	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	7.5E-12	7.7E-11	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.3E-10	mg/m^3	8.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.0E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-9	mg/m^3	4.0E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.7E-09	2.3E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.0002
				CADMIUM	4.3E-9	mg/m^3	7.1E-10	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.3E-09	4.2E-09	(mg/m^3)	1.0E-05	(mg/m^3)	0.0004
				COBALT	1.3E-8	mg/m^3	2.1E-09	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.9E-08	1.2E-08	(mg/m^3)	6.0E-06	(mg/m^3)	0.002
				LEAD	2.1E-8	mg/m^3	3.5E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.6E-10	mg/m^3	9.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.3E-10	(mg/m^3)	3.0E-05	(mg/m^3)	0.00002
				NICKEL	5.0E-8	mg/m^3	8.2E-09	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	2.1E-09	4.8E-08	(mg/m^3)	9.0E-05	(mg/m^3)	0.0005
				VANADIUM	9.8E-9	mg/m^3	1.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	2.4E-8	mg/m^3	3.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.3E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	6.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	4.0E-10	mg/m^3	6.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	5.6E-09	3.9E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000004
			Exp. Route Total								3.0E-08					0.003
		Exposure Point Total									3.0E-08					0.003
	Exposure Medium Total										3.0E-08					0.003
Medium Total											1.3E-05					0.3
Subsurface Soil	Subsurface Soil	Block G	Ingestion	NAPHTHALENE	0.063	mg/kg	1.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.6E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000004
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	3.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.2E-06	1.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	3.3E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	6.6E-09	1.9E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	8.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.3E-06	4.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	31.0	mg/kg	7.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				IRON	17,200	mg/kg	4.0E-03	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-02	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.03
				LEAD	8.40	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	2.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-04	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.001
				MERCURY	0.014	mg/kg	3.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00006
				VANADIUM	46.3	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	21.7	mg/kg	5.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	3.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.6E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.3E-07	1.5E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0005
			Exp. Route Total								3.6E-06					0.2
			Dermal	NAPHTHALENE	0.063	mg/kg	7.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000002
				BENZO(A)PYRENE EQUIVALENTS	1.30	mg/kg	1.6E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.2E-06	9.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				AROCLOR-1260	0.014	mg/kg	1.8E-09	(mg/kg/day)	2.0E+00	$(mg/kg/day)^{-1}$	3.7E-09	1.1E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				ARSENIC	3.60	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-07	5.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	31.0	mg/kg	2.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				IRON	17,200	mg/kg	1.6E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-04	(mg/kg/day)	7.0E-01	(mg/kg/day)	0.001
				LEAD	8.40	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MANGANESE	123	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-06	(mg/kg/day)	1.4E-01	(mg/kg/day)	0.00005
				MERCURY	0.014	mg/kg	1.3E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-10	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00004
				VANADIUM	46.3	mg/kg	4.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	21.7	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	131	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.1E-07	6.0E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0008
			Exp. Route Total								1.5E-06					0.01
		Exposure Point Total									5.1E-06					0.2
	Exposure Medium Total										5.1E-06					0.2

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK G - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Air	Block G	Inhalation	NAPHTHALENE	9.8E-7	mg/m^3	1.6E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	5.5E-09	9.4E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.0003
				BENZO(A)PYRENE EQUIVALENTS	4.0E-10	mg/m^3	6.6E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	7.3E-11	3.9E-10	(mg/m^3)	NA	(mg/m^3)	--
				AROCLOR-1260	4.3E-12	mg/m^3	7.1E-13	(mg/m^3)	5.7E-04	$(ug/m^3)^{-1}$	4.1E-13	4.2E-12	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.9E-10	1.1E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				COBALT	9.6E-9	mg/m^3	1.6E-09	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.4E-08	9.2E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.002
				IRON	5.3E-6	mg/m^3	8.8E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				LEAD	2.6E-9	mg/m^3	4.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				MANGANESE	3.8E-8	mg/m^3	6.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.7E-08	(mg/m^3)	5.0E-05	(mg/m^3)	0.0007
				MERCURY	4.3E-12	mg/m^3	7.1E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000001
				VANADIUM	1.4E-8	mg/m^3	2.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.4E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	6.7E-9	mg/m^3	1.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	4.1E-8	mg/m^3	6.7E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	5.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	4.7E-09	3.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								2.5E-08					0.003
		Exposure Point Total									2.5E-08					0.003
	Exposure Medium Total										2.5E-08					0.003
Medium Total											5.2E-06					0.2

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	7.9E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.8E-06	5.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	5.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.010
				ARSENIC	3.50	mg/kg	2.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.5E-07	1.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				CADMIUM	0.200	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0009
				COBALT	9.30	mg/kg	6.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.01
				LEAD	6.80	mg/kg	4.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				MOLYBDENUM	0.450	mg/kg	3.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				NICKEL	10.9	mg/kg	7.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.003
				VANADIUM	27.2	mg/kg	1.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	242	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	8.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	7.4E-08	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.7E-08	5.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								6.2E-06					0.1
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	2.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.5E-06	1.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.001
				ARSENIC	3.50	mg/kg	1.4E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-08	1.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				CADMIUM	0.200	mg/kg	2.8E-11	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00008
				COBALT	9.30	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.0E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	2.6E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0009
				MOLYBDENUM	0.450	mg/kg	6.2E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000009
				NICKEL	10.9	mg/kg	1.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	27.2	mg/kg	3.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.5E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.0E-08	1.1E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								1.6E-06					0.009
		Exposure Point Total									7.8E-06					0.1
	Exposure Medium Total										7.8E-06					0.1
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	8.3E-6	mg/m^3	2.7E-08	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.0E-08	1.9E-06	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	5.7E-7	mg/m^3	1.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-07	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	2.4E-6	mg/m^3	8.0E-09	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.4E-08	5.6E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.04
				CADMIUM	1.4E-7	mg/m^3	4.6E-10	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	8.2E-10	3.2E-08	(mg/m^3)	1.0E-05	(mg/m^3)	0.003
				COBALT	6.5E-6	mg/m^3	2.1E-08	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.9E-07	1.5E-06	(mg/m^3)	6.0E-06	(mg/m^3)	0.2
				LEAD	4.8E-6	mg/m^3	1.6E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	1.3E-7	mg/m^3	4.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.0E-08	(mg/m^3)	3.0E-05	(mg/m^3)	0.001
				MOLYBDENUM	3.1E-7	mg/m^3	1.0E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	7.6E-6	mg/m^3	2.5E-08	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	6.5E-09	1.7E-06	(mg/m^3)	9.0E-05	(mg/m^3)	0.02
				VANADIUM	1.9E-5	mg/m^3	6.2E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.3E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	1.7E-4	mg/m^3	5.5E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-05	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.4E-6	mg/m^3	2.7E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-06	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	7.7E-7	mg/m^3	2.5E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.1E-07	1.8E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.002
			Exp. Route Total								4.7E-07					0.3
		Exposure Point Total									4.7E-07					0.3
	Exposure Medium Total										4.7E-07					0.3
Medium Total											8.2E-06					0.4

TABLE 7.1.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	1.7E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.2E-07	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	1.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00004
				ARSENIC	3.60	mg/kg	2.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-07	1.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				COBALT	12.9	mg/kg	8.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.02
				LEAD	7.20	mg/kg	4.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	2.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0005
				VANADIUM	38.1	mg/kg	2.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-04	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	130	mg/kg	8.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	1.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	1.2E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	6.0E-08	8.5E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.003
			Exp. Route Total								5.5E-07					0.10
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	4.5E-09	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.3E-08	3.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	2.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000009
				ARSENIC	3.60	mg/kg	1.5E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-08	1.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	12.9	mg/kg	1.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	4.3E-11	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0001
				VANADIUM	38.1	mg/kg	5.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-06	(mg/kg/day)	1.0E-02	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	2.5E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.0E-08	1.7E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								1.0E-07					0.007
		Exposure Point Total									6.5E-07					0.1
	Exposure Medium Total										6.5E-07					0.1
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	1.7E-7	mg/m^3	5.7E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.3E-10	4.0E-08	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	1.5E-5	mg/m^3	4.8E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.6E-09	3.3E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.001
				ARSENIC	2.5E-6	mg/m^3	8.2E-09	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.5E-08	5.7E-07	(mg/m^3)	1.5E-05	(mg/m^3)	0.04
				COBALT	9.0E-6	mg/m^3	2.9E-08	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.6E-07	2.1E-06	(mg/m^3)	6.0E-06	(mg/m^3)	0.3
				LEAD	5.0E-6	mg/m^3	1.6E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	2.2E-8	mg/m^3	7.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.9E-09	(mg/m^3)	3.0E-05	(mg/m^3)	0.0002
				VANADIUM	2.7E-5	mg/m^3	8.7E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	6.1E-06	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	9.1E-5	mg/m^3	3.0E-07	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.1E-05	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	1.8E-6	mg/m^3	5.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.2E-07	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	1.3E-6	mg/m^3	4.1E-09	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.4E-07	2.9E-07	(mg/m^3)	1.0E-04	(mg/m^3)	0.003
			Exp. Route Total								6.5E-07					0.4
		Exposure Point Total									6.5E-07					0.4
	Exposure Medium Total										6.5E-07					0.4
Medium Total											1.3E-06					0.5

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	2.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.5E-05	5.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.001
				ARSENIC	3.50	mg/kg	6.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.2E-07	1.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				CADMIUM	0.200	mg/kg	3.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-08	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.00010
				COBALT	9.30	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	6.80	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	3.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0003
				MOLYBDENUM	0.450	mg/kg	7.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00004
				NICKEL	10.9	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				VANADIUM	27.2	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	242	mg/kg	4.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.9E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	9.6E-08	5.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								1.6E-05					0.03
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	3.5E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.6E-05	9.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0009
				ARSENIC	3.50	mg/kg	2.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-07	6.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	0.200	mg/kg	4.6E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00005
				COBALT	9.30	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	4.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0006
				MOLYBDENUM	0.450	mg/kg	1.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000006
				NICKEL	10.9	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0009
				VANADIUM	27.2	mg/kg	6.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.5E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.1E-07	7.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								2.7E-05					0.008
		Exposure Point Total									4.3E-05					0.03
	Exposure Medium Total										4.3E-05					0.03
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	3.0E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.3E-10	8.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	8.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.8E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	6.2E-11	mg/m^3	5.0E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	9.1E-12	1.4E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	2.9E-9	mg/m^3	2.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.1E-09	6.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				LEAD	2.1E-9	mg/m^3	1.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	4.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				MOLYBDENUM	1.4E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	2.8E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	7.2E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	8.4E-9	mg/m^3	6.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	6.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	3.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	2.8E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.3E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								5.2E-09					0.0001
		Exposure Point Total									5.2E-09					0.0001
	Exposure Medium Total										5.2E-09					0.0001
Medium Total											4.3E-05					0.03

TABLE 7.2.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	4.4E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.2E-07	1.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	2.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000004
				ARSENIC	3.60	mg/kg	6.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.4E-07	1.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				COBALT	12.9	mg/kg	2.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	7.20	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	5.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00005
				VANADIUM	38.1	mg/kg	6.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.004
				DIESEL RANGE ORGANICS	130	mg/kg	2.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	4.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	3.1E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.6E-07	8.8E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								1.4E-06					0.03
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	7.5E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.5E-07	2.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	4.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000006
				ARSENIC	3.60	mg/kg	2.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.7E-07	7.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	12.9	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	7.1E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00010
				VANADIUM	38.1	mg/kg	8.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	4.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	8.3E-07	1.2E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								1.8E-06					0.007
		Exposure Point Total									3.2E-06					0.04
	Exposure Medium Total										3.2E-06					0.04
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	6.3E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.9E-12	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	1.9E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.5E-09	5.3E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.0002
				ARSENIC	1.1E-9	mg/m^3	9.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.9E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	4.0E-9	mg/m^3	3.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.9E-09	9.1E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	2.2E-9	mg/m^3	1.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	7.8E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000007
				VANADIUM	1.2E-8	mg/m^3	9.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	6.6E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	4.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.8E-09	1.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000001
			Exp. Route Total								1.4E-08					0.0003
		Exposure Point Total									1.4E-08					0.0003
	Exposure Medium Total										1.4E-08					0.0003
Medium Total											3.2E-06					0.04
										Total of Receptor Risks Across All Media	4.6E-05			Total of Receptor Hazards Across All Media		0.07

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	2.6E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.9E-04	5.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.010
				ARSENIC	3.50	mg/kg	1.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-06	1.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				CADMIUM	0.200	mg/kg	8.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.6E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0010
				COBALT	9.30	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				LEAD	6.80	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	7.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				MOLYBDENUM	0.450	mg/kg	1.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				NICKEL	10.9	mg/kg	4.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.003
				VANADIUM	27.2	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.03
				DIESEL RANGE ORGANICS	242	mg/kg	1.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	5.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.4E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.2E-06	5.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.002
			Exp. Route Total								1.9E-04					0.3
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	7.9E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.8E-05	1.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	8.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.002
				ARSENIC	3.50	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-07	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				CADMIUM	0.200	mg/kg	1.9E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00009
				COBALT	9.30	mg/kg	9.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	1.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.001
				MOLYBDENUM	0.450	mg/kg	4.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00001
				NICKEL	10.9	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.002
				VANADIUM	27.2	mg/kg	2.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	5.7E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.1E-06	1.2E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								5.9E-05					0.01
		Exposure Point Total									2.5E-04					0.3
	Exposure Medium Total										2.5E-04					0.3
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	1.0E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.1E-10	2.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	1.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	5.6E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.4E-11	6.5E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				CADMIUM	6.2E-11	mg/m^3	3.2E-13	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	5.8E-13	3.7E-12	(mg/m^3)	1.0E-05	(mg/m^3)	0.0000004
				COBALT	2.9E-9	mg/m^3	1.5E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.3E-10	1.7E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00003
				LEAD	2.1E-9	mg/m^3	1.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	3.0E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.5E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000001
				MOLYBDENUM	1.4E-10	mg/m^3	7.2E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	1.7E-11	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	4.5E-12	2.0E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000002
				VANADIUM	8.4E-9	mg/m^3	4.4E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	3.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	1.9E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	9.4E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	7.9E-10	2.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								1.1E-09					0.00004
		Exposure Point Total									1.1E-09					0.00004
	Exposure Medium Total										1.1E-09					0.00004
Medium Total											2.5E-04					0.3

TABLE 7.3.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	5.5E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.0E-06	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	6.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.2E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00004
				ARSENIC	3.60	mg/kg	1.5E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-06	1.7E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				COBALT	12.9	mg/kg	5.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				LEAD	7.20	mg/kg	3.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0005
				VANADIUM	38.1	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.04
				DIESEL RANGE ORGANICS	130	mg/kg	5.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	4.0E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.0E-06	8.7E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.003
			Exp. Route Total								8.2E-06					0.3
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	1.7E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.2E-06	3.7E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00001
				ARSENIC	3.60	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.6E-07	1.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.004
				COBALT	12.9	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.005
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	3.0E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0002
				VANADIUM	38.1	mg/kg	3.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0009
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	9.3E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.9E-06	2.0E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.003
			Exp. Route Total								3.3E-06					0.01
		Exposure Point Total									1.1E-05					0.3
	Exposure Medium Total										1.1E-05					0.3
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	2.1E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.3E-12	4.7E-12	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	1.2E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	4.1E-10	1.4E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00005
				ARSENIC	1.1E-9	mg/m^3	5.8E-12	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	2.5E-11	6.7E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				COBALT	4.0E-9	mg/m^3	2.1E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.9E-10	2.4E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00004
				LEAD	2.2E-9	mg/m^3	1.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	5.0E-14	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.8E-13	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000002
				VANADIUM	1.2E-8	mg/m^3	6.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	2.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	4.2E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	1.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-09	3.4E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								1.9E-09					0.00009
		Exposure Point Total									1.9E-09					0.00009
	Exposure Medium Total										1.9E-09					0.00009
Medium Total											1.1E-05					0.3

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	4.9E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.6E-05	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.4E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	3.50	mg/kg	5.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.1E-07	3.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	0.200	mg/kg	3.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0002
				COBALT	9.30	mg/kg	1.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				LEAD	6.80	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.1E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	2.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0006
				MOLYBDENUM	0.450	mg/kg	7.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00008
				NICKEL	10.9	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.9E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0005
				VANADIUM	27.2	mg/kg	4.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				DIESEL RANGE ORGANICS	242	mg/kg	3.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	4.5E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.3E-07	9.9E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								3.7E-05					0.05
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	5.5E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.0E-05	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.1E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.001
				ARSENIC	3.50	mg/kg	1.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.1E-07	8.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				CADMIUM	0.200	mg/kg	2.7E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00006
				COBALT	9.30	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	2.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0007
				MOLYBDENUM	0.450	mg/kg	6.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000007
				NICKEL	10.9	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.001
				VANADIUM	27.2	mg/kg	3.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	3.9E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	7.9E-07	8.6E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								4.1E-05					0.010
		Exposure Point Total									7.8E-05					0.06
	Exposure Medium Total										7.8E-05					0.06
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	1.0E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.1E-10	2.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	2.6E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.5E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	4.8E-11	6.5E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				CADMIUM	6.2E-11	mg/m^3	6.4E-13	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.2E-12	3.7E-12	(mg/m^3)	1.0E-05	(mg/m^3)	0.0000004
				COBALT	2.9E-9	mg/m^3	3.0E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.7E-10	1.7E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00003
				LEAD	2.1E-9	mg/m^3	2.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	6.1E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.5E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000001
				MOLYBDENUM	1.4E-10	mg/m^3	1.4E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.4E-12	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	3.5E-11	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	9.1E-12	2.0E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000002
				VANADIUM	8.4E-9	mg/m^3	8.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	7.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	3.8E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	9.4E-12	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	7.9E-10	2.1E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000002
			Exp. Route Total								1.2E-09					0.00004
		Exposure Point Total									1.2E-09					0.00004
	Exposure Medium Total										1.2E-09					0.00004
Medium Total											7.8E-05					0.06

TABLE 7.4.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	1.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.5E-07	2.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	2.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000007
				ARSENIC	3.60	mg/kg	5.6E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.4E-07	3.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	12.9	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				LEAD	7.20	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	4.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00009
				VANADIUM	38.1	mg/kg	5.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.007
				DIESEL RANGE ORGANICS	130	mg/kg	2.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	4.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	7.4E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.7E-07	1.6E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0005
			Exp. Route Total								2.0E-06					0.06
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	1.2E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	8.5E-07	2.5E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	2.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000008
				ARSENIC	3.60	mg/kg	1.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-07	8.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	12.9	mg/kg	1.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	4.2E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0001
				VANADIUM	38.1	mg/kg	5.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	6.4E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.3E-06	1.4E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								2.3E-06					0.009
		Exposure Point Total									4.3E-06					0.07
	Exposure Medium Total										4.3E-06					0.07
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	2.1E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	2.3E-12	4.7E-12	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	2.4E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	8.2E-10	1.4E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.00005
				ARSENIC	1.1E-9	mg/m^3	1.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	5.0E-11	6.7E-11	(mg/m^3)	1.5E-05	(mg/m^3)	0.000004
				COBALT	4.0E-9	mg/m^3	4.1E-11	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.7E-10	2.4E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.00004
				LEAD	2.2E-9	mg/m^3	2.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	9.9E-14	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.8E-13	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000002
				VANADIUM	1.2E-8	mg/m^3	1.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	4.2E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	8.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.9E-11	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	1.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-09	3.4E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000003
			Exp. Route Total								2.5E-09					0.00009
		Exposure Point Total									2.5E-09					0.00009
	Exposure Medium Total										2.5E-09					0.00009
Medium Total											4.3E-06					0.07

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	2.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.5E-05	5.8E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.001
				ARSENIC	3.50	mg/kg	6.1E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.2E-07	1.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				CADMIUM	0.200	mg/kg	3.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-08	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.00010
				COBALT	9.30	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	6.80	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	3.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0003
				MOLYBDENUM	0.450	mg/kg	7.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00004
				NICKEL	10.9	mg/kg	1.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0003
				VANADIUM	27.2	mg/kg	4.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	242	mg/kg	4.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.9E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	9.6E-08	5.4E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								1.6E-05					0.03
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	3.5E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.6E-05	9.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0009
				ARSENIC	3.50	mg/kg	2.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-07	6.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	0.200	mg/kg	4.6E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00005
				COBALT	9.30	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	4.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0006
				MOLYBDENUM	0.450	mg/kg	1.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000006
				NICKEL	10.9	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0009
				VANADIUM	27.2	mg/kg	6.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.5E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.1E-07	7.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								2.7E-05					0.008
		Exposure Point Total									4.3E-05					0.03
	Exposure Medium Total										4.3E-05					0.03
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	3.0E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.3E-10	8.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	8.8E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.8E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	6.2E-11	mg/m^3	5.0E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	9.1E-12	1.4E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	2.9E-9	mg/m^3	2.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.1E-09	6.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				LEAD	2.1E-9	mg/m^3	1.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	4.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				MOLYBDENUM	1.4E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	2.8E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	7.2E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	8.4E-9	mg/m^3	6.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	6.1E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	3.0E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	2.8E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.3E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								5.2E-09					0.0001
		Exposure Point Total									5.2E-09					0.0001
	Exposure Medium Total										5.2E-09					0.0001
Medium Total											4.3E-05					0.03

TABLE 7.5.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	4.4E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.2E-07	1.2E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	2.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.3E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000004
				ARSENIC	3.60	mg/kg	6.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.4E-07	1.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				COBALT	12.9	mg/kg	2.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	7.20	mg/kg	1.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	5.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.00005
				VANADIUM	38.1	mg/kg	6.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.004
				DIESEL RANGE ORGANICS	130	mg/kg	2.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	4.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	3.1E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.6E-07	8.8E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0003
			Exp. Route Total								1.4E-06					0.03
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	7.5E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.5E-07	2.1E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	4.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000006
				ARSENIC	3.60	mg/kg	2.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.7E-07	7.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	12.9	mg/kg	3.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	7.1E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00010
				VANADIUM	38.1	mg/kg	8.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0005
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	4.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	8.3E-07	1.2E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								1.8E-06					0.007
		Exposure Point Total									3.2E-06					0.04
	Exposure Medium Total										3.2E-06					0.04
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	6.3E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.9E-12	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	1.9E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.5E-09	5.3E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.0002
				ARSENIC	1.1E-9	mg/m^3	9.1E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.9E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	4.0E-9	mg/m^3	3.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.9E-09	9.1E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	2.2E-9	mg/m^3	1.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	7.8E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000007
				VANADIUM	1.2E-8	mg/m^3	9.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	6.6E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	4.5E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.8E-09	1.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000001
			Exp. Route Total								1.4E-08					0.0003
		Exposure Point Total									1.4E-08					0.0003
	Exposure Medium Total										1.4E-08					0.0003
Medium Total											3.2E-06					0.04

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	4.9E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.6E-04	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	6.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.5E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.02
				ARSENIC	3.50	mg/kg	2.7E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.1E-06	3.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				CADMIUM	0.200	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.002
				COBALT	9.30	mg/kg	7.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.3
				LEAD	6.80	mg/kg	5.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	1.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.006
				MOLYBDENUM	0.450	mg/kg	3.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0008
				NICKEL	10.9	mg/kg	8.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.005
				VANADIUM	27.2	mg/kg	2.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.05
				DIESEL RANGE ORGANICS	242	mg/kg	1.9E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	9.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	4.6E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.3E-06	1.0E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.003
			Exp. Route Total								3.7E-04					0.5
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	1.8E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.3E-04	3.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.003
				ARSENIC	3.50	mg/kg	2.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.5E-07	2.7E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				CADMIUM	0.200	mg/kg	4.4E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0002
				COBALT	9.30	mg/kg	2.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	4.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.002
				MOLYBDENUM	0.450	mg/kg	9.9E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00002
				NICKEL	10.9	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.003
				VANADIUM	27.2	mg/kg	6.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.3E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.6E-06	2.8E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.004
			Exp. Route Total								1.3E-04					0.03
		Exposure Point Total									5.0E-04					0.5
	Exposure Medium Total										5.0E-04					0.5
	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	1.6E-09	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.8E-09	3.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	8.9E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.8E-10	1.0E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				CADMIUM	6.2E-11	mg/m^3	5.1E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	9.2E-12	5.9E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000006
				COBALT	2.9E-9	mg/m^3	2.4E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.1E-09	2.8E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-9	mg/m^3	1.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	4.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	1.4E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	2.8E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	7.2E-11	3.2E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	8.4E-9	mg/m^3	6.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	6.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	3.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	1.5E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-08	3.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								1.7E-08					0.0006
		Exposure Point Total									1.7E-08					0.0006
	Exposure Medium Total										1.7E-08					0.0006
Medium Total											5.0E-04					0.5

TABLE 7.6.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block G	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	1.0E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.6E-06	2.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00007
				ARSENIC	3.60	mg/kg	2.8E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.2E-06	3.3E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				COBALT	12.9	mg/kg	1.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.4
				LEAD	7.20	mg/kg	5.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	2.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				VANADIUM	38.1	mg/kg	3.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.07
				DIESEL RANGE ORGANICS	130	mg/kg	1.0E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	7.5E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.8E-06	1.6E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.005
			Exp. Route Total								1.6E-05					0.6
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	3.8E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.8E-06	8.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	4.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00002
				ARSENIC	3.60	mg/kg	2.4E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	3.6E-07	2.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.009
				COBALT	12.9	mg/kg	2.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	6.8E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0004
				VANADIUM	38.1	mg/kg	8.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	2.1E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	4.2E-06	4.6E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.006
			Exp. Route Total								7.3E-06					0.03
		Exposure Point Total									2.3E-05					0.6
	Exposure Medium Total										2.3E-05					0.6
	Air	Block G	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	3.4E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.7E-11	7.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	1.9E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.5E-09	2.2E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0007
				ARSENIC	1.1E-9	mg/m^3	9.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.9E-10	1.1E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				COBALT	4.0E-9	mg/m^3	3.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.0E-09	3.8E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				LEAD	2.2E-9	mg/m^3	1.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	7.9E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				VANADIUM	1.2E-8	mg/m^3	9.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	6.6E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	2.4E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.1E-08	5.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000005
			Exp. Route Total								3.0E-08					0.001
		Exposure Point Total									3.0E-08					0.001
	Exposure Medium Total										3.0E-08					0.001
Medium Total											2.3E-05					0.6

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	9.2E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	6.7E-05	2.0E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.004
				ARSENIC	3.50	mg/kg	1.0E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-06	6.0E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	0.200	mg/kg	5.9E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.4E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0003
				COBALT	9.30	mg/kg	2.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.05
				LEAD	6.80	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	5.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				MOLYBDENUM	0.450	mg/kg	1.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.7E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				NICKEL	10.9	mg/kg	3.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0009
				VANADIUM	27.2	mg/kg	8.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.009
				DIESEL RANGE ORGANICS	242	mg/kg	7.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	3.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	8.6E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	4.3E-07	1.9E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0006
			Exp. Route Total								6.9E-05					0.09
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	3.6E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.7E-05	7.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	7.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0007
				ARSENIC	3.50	mg/kg	9.3E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-07	5.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	0.200	mg/kg	1.8E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00004
				COBALT	9.30	mg/kg	8.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	1.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.8E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0005
				MOLYBDENUM	0.450	mg/kg	4.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.3E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000005
				NICKEL	10.9	mg/kg	9.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.6E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0007
				VANADIUM	27.2	mg/kg	2.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.6E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.2E-07	5.7E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0008
			Exp. Route Total								2.7E-05					0.006
		Exposure Point Total									9.7E-05					0.10
	Exposure Medium Total										9.7E-05					0.10
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	3.8E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	4.2E-10	8.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	9.9E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	4.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.8E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	6.2E-11	mg/m^3	2.4E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	4.4E-12	1.4E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	2.9E-9	mg/m^3	1.1E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.0E-09	6.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				LEAD	2.1E-9	mg/m^3	8.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	2.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				MOLYBDENUM	1.4E-10	mg/m^3	5.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	1.3E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	3.4E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	8.4E-9	mg/m^3	3.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	2.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	1.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	3.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	3.0E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								4.6E-09					0.0001
		Exposure Point Total									4.6E-09					0.0001
	Exposure Medium Total										4.6E-09					0.0001
Medium Total											9.7E-05					0.10

TABLE 7.7.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	2.0E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.4E-06	4.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	4.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00001
				ARSENIC	3.60	mg/kg	1.1E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.6E-06	6.2E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	12.9	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				LEAD	7.20	mg/kg	2.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	9.1E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.3E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0002
				VANADIUM	38.1	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	130	mg/kg	3.8E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	7.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	1.4E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	7.0E-07	3.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								3.7E-06					0.1
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	7.7E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.6E-07	1.7E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	1.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000005
				ARSENIC	3.60	mg/kg	9.6E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.4E-07	5.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	12.9	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	2.8E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00008
				VANADIUM	38.1	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	4.3E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	8.5E-07	9.3E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								1.6E-06					0.006
		Exposure Point Total									5.3E-06					0.1
	Exposure Medium Total										5.3E-06					0.1
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	8.1E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	8.9E-12	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	9.2E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.1E-09	5.3E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.0002
				ARSENIC	1.1E-9	mg/m^3	4.4E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.9E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	4.0E-9	mg/m^3	1.6E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.4E-09	9.1E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	2.2E-9	mg/m^3	8.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	3.8E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000007
				VANADIUM	1.2E-8	mg/m^3	4.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	3.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	5.8E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	4.9E-09	1.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000001
			Exp. Route Total								9.6E-09					0.0003
		Exposure Point Total									9.6E-09					0.0003
	Exposure Medium Total										9.6E-09					0.0003
Medium Total											5.3E-06					0.1

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	2.0E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.4E-05	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.0E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.002
				ARSENIC	3.50	mg/kg	5.9E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	8.8E-07	3.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	0.200	mg/kg	3.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0002
				COBALT	9.30	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.1E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				LEAD	6.80	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	3.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0006
				MOLYBDENUM	0.450	mg/kg	7.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.4E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00009
				NICKEL	10.9	mg/kg	1.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0005
				VANADIUM	27.2	mg/kg	4.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.005
				DIESEL RANGE ORGANICS	242	mg/kg	4.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	2.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.8E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	9.2E-08	1.1E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0004
			Exp. Route Total								1.5E-05					0.05
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	1.0E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.5E-06	6.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	5.5E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.2E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0005
				ARSENIC	3.50	mg/kg	7.0E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.1E-07	4.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				CADMIUM	0.200	mg/kg	1.3E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.8E-10	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00003
				COBALT	9.30	mg/kg	6.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	1.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.4E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0004
				MOLYBDENUM	0.450	mg/kg	3.0E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000004
				NICKEL	10.9	mg/kg	7.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.3E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0005
				VANADIUM	27.2	mg/kg	1.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	7.4E-09	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.5E-07	4.3E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0006
			Exp. Route Total								7.7E-06					0.005
		Exposure Point Total									2.3E-05					0.06
	Exposure Medium Total										2.3E-05					0.06
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	1.4E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.6E-10	8.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	9.9E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	4.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.8E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				CADMIUM	6.2E-11	mg/m^3	2.4E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	4.4E-12	1.4E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000001
				COBALT	2.9E-9	mg/m^3	1.1E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.0E-09	6.6E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0001
				LEAD	2.1E-9	mg/m^3	8.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	4.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	2.3E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000004
				MOLYBDENUM	1.4E-10	mg/m^3	5.5E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.2E-11	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	1.3E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	3.4E-11	7.7E-10	(mg/m^3)	9.0E-05	(mg/m^3)	0.000009
				VANADIUM	8.4E-9	mg/m^3	3.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.9E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	2.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.7E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	1.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.5E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	1.3E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.1E-09	7.8E-11	(mg/m^3)	1.0E-04	(mg/m^3)	0.0000008
			Exp. Route Total								2.5E-09					0.0001
		Exposure Point Total									2.5E-09					0.0001
	Exposure Medium Total										2.5E-09					0.0001
Medium Total											2.3E-05					0.06

TABLE 7.8.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	4.2E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.1E-07	2.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	2.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000007
				ARSENIC	3.60	mg/kg	6.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	9.1E-07	3.5E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	12.9	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				LEAD	7.20	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	5.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.0E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0001
				VANADIUM	38.1	mg/kg	6.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.007
				DIESEL RANGE ORGANICS	130	mg/kg	2.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	4.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	3.0E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.5E-07	1.8E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0006
			Exp. Route Total								1.4E-06					0.06
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	2.2E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.6E-07	1.3E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.6E-08	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000004
				ARSENIC	3.60	mg/kg	7.2E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.1E-07	4.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				COBALT	12.9	mg/kg	8.6E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	2.1E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00006
				VANADIUM	38.1	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	1.2E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.4E-07	7.0E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0009
			Exp. Route Total								5.1E-07					0.004
		Exposure Point Total									1.9E-06					0.07
	Exposure Medium Total										1.9E-06					0.07
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	3.0E-12	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.3E-12	1.8E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	9.2E-08	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	3.1E-09	5.3E-07	(mg/m^3)	3.0E-03	(mg/m^3)	0.0002
				ARSENIC	1.1E-9	mg/m^3	4.4E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	1.9E-10	2.5E-10	(mg/m^3)	1.5E-05	(mg/m^3)	0.00002
				COBALT	4.0E-9	mg/m^3	1.6E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	1.4E-09	9.1E-10	(mg/m^3)	6.0E-06	(mg/m^3)	0.0002
				LEAD	2.2E-9	mg/m^3	8.7E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.1E-10	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	3.8E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.00000007
				VANADIUM	1.2E-8	mg/m^3	4.6E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.7E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	1.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-09	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	3.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.8E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	2.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.8E-09	1.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000001
			Exp. Route Total								6.5E-09					0.0003
		Exposure Point Total									6.5E-09					0.0003
	Exposure Medium Total										6.5E-09					0.0003
Medium Total											1.9E-06					0.07

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	6.9E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	5.0E-04	1.5E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	9.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-05	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.03
				ARSENIC	3.50	mg/kg	3.8E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.8E-06	4.5E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				CADMIUM	0.200	mg/kg	2.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-06	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.003
				COBALT	9.30	mg/kg	1.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.2E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.4
				LEAD	6.80	mg/kg	7.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	8.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	2.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.008
				MOLYBDENUM	0.450	mg/kg	4.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.001
				NICKEL	10.9	mg/kg	1.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-04	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.007
				VANADIUM	27.2	mg/kg	3.0E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.5E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.07
				DIESEL RANGE ORGANICS	242	mg/kg	2.7E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	1.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	6.4E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	3.2E-06	1.4E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.005
			Exp. Route Total								5.1E-04					0.7
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	2.5E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.8E-04	5.5E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	2.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-07	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.005
				ARSENIC	3.50	mg/kg	3.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	4.8E-07	3.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				CADMIUM	0.200	mg/kg	6.1E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.2E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.0003
				COBALT	9.30	mg/kg	2.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	5.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.8E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.003
				MOLYBDENUM	0.450	mg/kg	1.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00003
				NICKEL	10.9	mg/kg	3.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.9E-06	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.005
				VANADIUM	27.2	mg/kg	8.3E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.7E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.8E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.6E-06	3.9E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.005
			Exp. Route Total								1.9E-04					0.04
		Exposure Point Total									7.0E-04					0.7
	Exposure Medium Total										7.0E-04					0.7
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	1.6E-09	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.8E-09	3.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	2.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	8.9E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.8E-10	1.0E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				CADMIUM	6.2E-11	mg/m^3	5.1E-12	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	9.2E-12	5.9E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000006
				COBALT	2.9E-9	mg/m^3	2.4E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	2.1E-09	2.8E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-9	mg/m^3	1.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	4.8E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	1.4E-10	mg/m^3	1.1E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	2.8E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	7.2E-11	3.2E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	8.4E-9	mg/m^3	6.9E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	6.2E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	3.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	1.5E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-08	3.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								1.7E-08					0.0006
		Exposure Point Total									1.7E-08					0.0006
	Exposure Medium Total										1.7E-08					0.0006
Medium Total											7.0E-04					0.7

TABLE 7.9.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	1.5E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.1E-05	3.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.9E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00010
				ARSENIC	3.60	mg/kg	3.9E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.9E-06	4.6E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.2
				COBALT	12.9	mg/kg	1.4E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-04	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.5
				LEAD	7.20	mg/kg	7.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.2E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	3.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.0E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				VANADIUM	38.1	mg/kg	4.2E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.9E-04	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.10
				DIESEL RANGE ORGANICS	130	mg/kg	1.4E-04	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-03	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	1.1E-05	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	5.3E-06	2.3E-05	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.008
			Exp. Route Total								2.2E-05					0.8
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	5.3E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.9E-06	1.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	6.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.0E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00003
				ARSENIC	3.60	mg/kg	3.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	5.0E-07	3.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				COBALT	12.9	mg/kg	4.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	9.5E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0005
				VANADIUM	38.1	mg/kg	1.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.003
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	2.9E-07	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	5.9E-06	6.4E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.009
			Exp. Route Total								1.0E-05					0.04
		Exposure Point Total									3.2E-05					0.8
	Exposure Medium Total										3.2E-05					0.8
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	3.4E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.7E-11	7.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	1.9E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	6.5E-09	2.2E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0007
				ARSENIC	1.1E-9	mg/m^3	9.2E-11	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	3.9E-10	1.1E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				COBALT	4.0E-9	mg/m^3	3.3E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	3.0E-09	3.8E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				LEAD	2.2E-9	mg/m^3	1.8E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	7.9E-13	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				VANADIUM	1.2E-8	mg/m^3	9.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	3.3E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	6.6E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	2.4E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.1E-08	5.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000005
			Exp. Route Total								3.0E-08					0.001
		Exposure Point Total									3.0E-08					0.001
	Exposure Medium Total										3.0E-08					0.001
Medium Total											3.2E-05					0.9

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	1.3E-05	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	9.4E-05	2.8E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.005
				ARSENIC	3.50	mg/kg	1.4E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-06	8.4E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				CADMIUM	0.200	mg/kg	8.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.8E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0005
				COBALT	9.30	mg/kg	3.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.07
				LEAD	6.80	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	7.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				MOLYBDENUM	0.450	mg/kg	1.8E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0002
				NICKEL	10.9	mg/kg	4.5E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.001
				VANADIUM	27.2	mg/kg	1.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.5E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	242	mg/kg	9.9E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	4.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.9E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.2E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	6.0E-07	2.6E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0009
			Exp. Route Total								9.7E-05					0.1
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	5.1E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	3.7E-05	1.1E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.0E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.9E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0010
				ARSENIC	3.50	mg/kg	1.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.0E-07	7.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				CADMIUM	0.200	mg/kg	2.5E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00006
				COBALT	9.30	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	2.4E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0007
				MOLYBDENUM	0.450	mg/kg	5.6E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000007
				NICKEL	10.9	mg/kg	1.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.9E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0010
				VANADIUM	27.2	mg/kg	3.4E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.0E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	3.6E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	7.3E-07	8.0E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								3.8E-05					0.009
		Exposure Point Total									1.4E-04					0.1
	Exposure Medium Total										1.4E-04					0.1
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	1.6E-09	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.8E-09	3.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	4.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.7E-10	1.0E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				CADMIUM	6.2E-11	mg/m^3	1.0E-11	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.8E-11	5.9E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000006
				COBALT	2.9E-9	mg/m^3	4.7E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.3E-09	2.8E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-9	mg/m^3	3.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	9.7E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	1.4E-10	mg/m^3	2.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	5.5E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.4E-10	3.2E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	8.4E-9	mg/m^3	1.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	1.2E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	6.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	1.5E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	1.3E-08	3.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								1.9E-08					0.0006
		Exposure Point Total									1.9E-08					0.0006
	Exposure Medium Total										1.9E-08					0.0006
Medium Total											1.4E-04					0.1

TABLE 7.10.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	2.7E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.0E-06	6.0E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	6.2E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00002
				ARSENIC	3.60	mg/kg	1.5E-06	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.2E-06	8.6E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.03
				COBALT	12.9	mg/kg	5.3E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.1
				LEAD	7.20	mg/kg	3.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	1.3E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.4E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0002
				VANADIUM	38.1	mg/kg	1.6E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.02
				DIESEL RANGE ORGANICS	130	mg/kg	5.3E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.1E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	1.1E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	2.0E-06	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	9.9E-07	4.3E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.001
			Exp. Route Total								5.2E-06					0.2
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	1.1E-07	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	7.9E-07	2.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	2.4E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.4E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000007
				ARSENIC	3.60	mg/kg	1.3E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	2.0E-07	7.8E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				COBALT	12.9	mg/kg	1.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.4E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.003
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	3.9E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.2E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0001
				VANADIUM	38.1	mg/kg	4.7E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.8E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0006
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	6.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	1.2E-06	1.3E-07	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.002
			Exp. Route Total								2.2E-06					0.008
		Exposure Point Total									7.4E-06					0.2
	Exposure Medium Total										7.4E-06					0.2
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	3.4E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	3.7E-11	7.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	3.9E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.3E-08	2.2E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0007
				ARSENIC	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.9E-10	1.1E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				COBALT	4.0E-9	mg/m^3	6.6E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.9E-09	3.8E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				LEAD	2.2E-9	mg/m^3	3.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	1.6E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				VANADIUM	1.2E-8	mg/m^3	1.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	6.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	2.4E-10	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	2.1E-08	5.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000005
			Exp. Route Total								4.0E-08					0.001
		Exposure Point Total									4.0E-08					0.001
	Exposure Medium Total										4.0E-08					0.001
Medium Total											7.4E-06					0.2

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	2.8E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.0E-05	1.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	1.9E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-06	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.003
				ARSENIC	3.50	mg/kg	8.2E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.2E-06	4.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				CADMIUM	0.200	mg/kg	4.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.7E-07	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.0003
				COBALT	9.30	mg/kg	2.2E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.3E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.04
				LEAD	6.80	mg/kg	1.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.3E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	4.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.6E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0009
				MOLYBDENUM	0.450	mg/kg	1.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.2E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0001
				NICKEL	10.9	mg/kg	2.6E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-05	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0007
				VANADIUM	27.2	mg/kg	6.4E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.7E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.007
				DIESEL RANGE ORGANICS	242	mg/kg	5.7E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.3E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	2.8E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.6E-05	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	2.6E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	1.3E-07	1.5E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0005
			Exp. Route Total								2.2E-05					0.07
			Dermal	BENZO(A)PYRENE EQUIVALENTS	11.8	mg/kg	1.4E-06	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	1.0E-05	8.4E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				ANTIMONY	0.820	mg/kg	7.7E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.5E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0007
				ARSENIC	3.50	mg/kg	9.8E-08	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-07	5.7E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				CADMIUM	0.200	mg/kg	1.9E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-09	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00004
				COBALT	9.30	mg/kg	8.7E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	6.80	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.190	mg/kg	1.8E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.0E-08	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0005
				MOLYBDENUM	0.450	mg/kg	4.2E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.5E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000005
				NICKEL	10.9	mg/kg	1.0E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	6.0E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0007
				VANADIUM	27.2	mg/kg	2.5E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.5E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0003
				DIESEL RANGE ORGANICS	242	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	12.0	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.10	mg/kg	1.0E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	2.1E-07	6.0E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0008
			Exp. Route Total								1.1E-05					0.007
		Exposure Point Total									3.2E-05					0.08
	Exposure Medium Total										3.2E-05					0.08
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	3.7E-9	mg/m^3	6.0E-10	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	6.6E-10	3.5E-09	(mg/m^3)	NA	(mg/m^3)	--
				ANTIMONY	2.5E-10	mg/m^3	4.2E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.4E-10	(mg/m^3)	NA	(mg/m^3)	--
				ARSENIC	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.7E-10	1.0E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				CADMIUM	6.2E-11	mg/m^3	1.0E-11	(mg/m^3)	1.8E-03	$(ug/m^3)^{-1}$	1.8E-11	5.9E-11	(mg/m^3)	1.0E-05	(mg/m^3)	0.000006
				COBALT	2.9E-9	mg/m^3	4.7E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	4.3E-09	2.8E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0005
				LEAD	2.1E-9	mg/m^3	3.5E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.0E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	5.9E-11	mg/m^3	9.7E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	5.6E-11	(mg/m^3)	3.0E-05	(mg/m^3)	0.000002
				MOLYBDENUM	1.4E-10	mg/m^3	2.3E-11	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.3E-10	(mg/m^3)	NA	(mg/m^3)	--
				NICKEL	3.4E-9	mg/m^3	5.5E-10	(mg/m^3)	2.6E-04	$(ug/m^3)^{-1}$	1.4E-10	3.2E-09	(mg/m^3)	9.0E-05	(mg/m^3)	0.00004
				VANADIUM	8.4E-9	mg/m^3	1.4E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	8.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	7.5E-8	mg/m^3	1.2E-08	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.2E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	3.7E-9	mg/m^3	6.1E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.6E-09	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	3.4E-10	mg/m^3	5.6E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	4.7E-09	3.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000003
			Exp. Route Total								1.1E-08					0.0006
		Exposure Point Total									1.1E-08					0.0006
	Exposure Medium Total										1.1E-08					0.0006
Medium Total											3.2E-05					0.08

TABLE 7.11.RME

CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS - BLOCK H - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Subsurface Soil	Subsurface Soil	Block H	Ingestion	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	5.9E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	4.3E-07	3.4E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	3.5E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.00001
				ARSENIC	3.60	mg/kg	8.5E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.3E-06	4.9E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.02
				COBALT	12.9	mg/kg	3.0E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-05	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.06
				LEAD	7.20	mg/kg	1.7E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	9.9E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	7.3E-09	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	4.2E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0001
				VANADIUM	38.1	mg/kg	8.9E-06	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	5.2E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.01
				DIESEL RANGE ORGANICS	130	mg/kg	3.1E-05	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.8E-04	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	6.1E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	3.6E-06	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	4.2E-07	(mg/kg/day)	5.0E-01	$(mg/kg/day)^{-1}$	2.1E-07	2.5E-06	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0008
			Exp. Route Total								1.9E-06					0.09
			Dermal	BENZO(A)PYRENE EQUIVALENTS	0.250	mg/kg	3.0E-08	(mg/kg/day)	7.3E+00	$(mg/kg/day)^{-1}$	2.2E-07	1.8E-07	(mg/kg/day)	NA	(mg/kg/day)	--
				NAPHTHALENE	0.150	mg/kg	1.8E-08	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.1E-07	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.000005
				ARSENIC	3.60	mg/kg	1.0E-07	(mg/kg/day)	1.5E+00	$(mg/kg/day)^{-1}$	1.5E-07	5.9E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				COBALT	12.9	mg/kg	1.2E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	7.1E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.002
				LEAD	7.20	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				MERCURY	0.031	mg/kg	2.9E-10	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	1.7E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.00008
				VANADIUM	38.1	mg/kg	3.6E-07	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	2.1E-06	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.0004
				DIESEL RANGE ORGANICS	130	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				GASOLINE RANGE ORGANICS	2.60	mg/kg	0.0E+00	(mg/kg/day)	NA	$(mg/kg/day)^{-1}$	- -	0.0E+00	(mg/kg/day)	NA	(mg/kg/day)	--
				HEXAVALENT CHROMIUM	1.80	mg/kg	1.7E-08	(mg/kg/day)	2.0E+01	$(mg/kg/day)^{-1}$	3.4E-07	9.8E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.001
			Exp. Route Total								7.1E-07					0.006
		Exposure Point Total									2.6E-06					0.09
	Exposure Medium Total										2.6E-06					0.09
	Air	Block H	Inhalation	BENZO(A)PYRENE EQUIVALENTS	7.7E-11	mg/m^3	1.3E-11	(mg/m^3)	1.1E-03	$(ug/m^3)^{-1}$	1.4E-11	7.4E-11	(mg/m^3)	NA	(mg/m^3)	--
				NAPHTHALENE	2.3E-6	mg/m^3	3.9E-07	(mg/m^3)	3.4E-05	$(ug/m^3)^{-1}$	1.3E-08	2.2E-06	(mg/m^3)	3.0E-03	(mg/m^3)	0.0007
				ARSENIC	1.1E-9	mg/m^3	1.8E-10	(mg/m^3)	4.3E-03	$(ug/m^3)^{-1}$	7.9E-10	1.1E-09	(mg/m^3)	1.5E-05	(mg/m^3)	0.00007
				COBALT	4.0E-9	mg/m^3	6.6E-10	(mg/m^3)	9.0E-03	$(ug/m^3)^{-1}$	5.9E-09	3.8E-09	(mg/m^3)	6.0E-06	(mg/m^3)	0.0006
				LEAD	2.2E-9	mg/m^3	3.7E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	2.1E-09	(mg/m^3)	NA	(mg/m^3)	--
				MERCURY	9.6E-12	mg/m^3	1.6E-12	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	9.2E-12	(mg/m^3)	3.0E-05	(mg/m^3)	0.0000003
				VANADIUM	1.2E-8	mg/m^3	1.9E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	1.1E-08	(mg/m^3)	NA	(mg/m^3)	--
				DIESEL RANGE ORGANICS	4.0E-8	mg/m^3	6.6E-09	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	3.9E-08	(mg/m^3)	NA	(mg/m^3)	--
				GASOLINE RANGE ORGANICS	8.0E-10	mg/m^3	1.3E-10	(mg/m^3)	NA	$(ug/m^3)^{-1}$	- -	7.7E-10	(mg/m^3)	NA	(mg/m^3)	--
				HEXAVALENT CHROMIUM	5.6E-10	mg/m^3	9.2E-11	(mg/m^3)	8.4E-02	$(ug/m^3)^{-1}$	7.7E-09	5.3E-10	(mg/m^3)	1.0E-04	(mg/m^3)	0.000005
			Exp. Route Total								2.8E-08					0.001
		Exposure Point Total									2.8E-08					0.001
	Exposure Medium Total										2.8E-08					0.001
Medium Total											2.6E-06					0.09

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

LIST OF TABLES
RAGS PART D TABLE 9
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC

Table No.	REASONABLE MAXIMUM EXPOSURES
9.1.RME	Construction Worker
9.2.RME	Industrial Worker
9.3.RME	Child Commercial Receptor
9.4.RME	Adolescent Commercial Receptor
9.5.RME	Lifelong Commercial Receptor
9.6.RME	Adult Commercial Receptor
9.7.RME	Child Recreational User
9.8.RME	Adolescent Recreational User
9.9.RME	Adult Recreational User
9.10.RME	Lifelong Recreational User
9.11.RME	Child Resident
9.12.RME	Adolescent Resident
9.13.RME	Adult Resident
9.14.RME	Lifelong Resident

Note: Tables are block-specific.

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	2E-06	--	5E-07	--	2E-06	NA	--	- -	--	--
			AROCLOR-1260	3E-09	--	8E-10	--	3E-09	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.006	- -	0.0008	0.006
			ARSENIC	4E-07	--	2E-08	--	4E-07	Skin, CVS	0.05	- -	0.003	0.06
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0007	- -	0.00006	0.0008
			COBALT	- -	--	- -	--	- -	Thyroid	0.02	--	0.0003	0.02
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.002	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.003	- -	0.00006	0.003
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.004	- -	0.001	0.005
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0004	- -	0.000009	0.0004
			NICKEL	- -	--	- -	--	- -	Body Weight	0.003	- -	0.002	0.005
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0002	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-08	--	2E-08	--	5E-08	None Reported	0.001	- -	0.001	0.002
			Chemical Total	2E-06	--	5E-07	--	3E-06		0.2	--	0.01	0.2
		Exposure Point Total						3E-06					0.2
	Exposure Medium Total							3E-06					0.2
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	1E-08	--	--	1E-08	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-11	--	--	3E-11	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	3E-08	--	--	3E-08	NA	- -	0.04	- -	0.04
			CADMIUM	--	6E-10	--	--	6E-10	NA	- -	0.002	- -	0.002
			COBALT	--	2E-07	--	--	2E-07	Lungs	- -	0.3	- -	0.3
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.3	- -	0.3
			MERCURY	--	- -	--	--	- -	NA	- -	0.001	- -	0.001
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	9E-09	--	--	9E-09	Body Weight	- -	0.03	- -	0.03
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-07	--	--	2E-07	Lungs	- -	0.001	- -	0.001
			Chemical Total	--	4E-07	--	--	4E-07		- -	0.6	- -	0.6
		Exposure Point Total						4E-07					0.6
	Exposure Medium Total							4E-07					0.6
Medium Total								3E-06					0.9

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.0009	- -	0.0003	0.001
			BENZO(A)PYRENE EQUIVALENTS	3E-07	--	8E-08	--	4E-07	NA	--	- -	--	--
			AROCLOR-1260	3E-08	--	9E-09	--	4E-08	NA	--	- -	--	--
			ARSENIC	5E-07	--	3E-08	--	5E-07	Skin, CVS	0.07	- -	0.004	0.08
			COBALT	- -	--	- -	--	- -	Thyroid	0.02	--	0.0004	0.02
			IRON	- -	--	- -	--	- -	GS	0.2	- -	0.004	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.002	- -	0.00005	0.002
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.003	- -	0.0008	0.004
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0004	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	5E-08	--	4E-08	--	9E-08	None Reported	0.002	- -	0.002	0.004
			Chemical Total	9E-07	--	2E-07	--	1E-06		0.3	--	0.01	0.3
		Exposure Point Total						1E-06					0.3
	Exposure Medium Total							1E-06					0.3
	Air	Block D	NAPHTHALENE	--	5E-08	--	--	5E-08	Respiratory	- -	0.03	- -	0.03
			BENZO(A)PYRENE EQUIVALENTS	--	2E-09	--	--	2E-09	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			ARSENIC	--	5E-08	--	--	5E-08	NA	- -	0.05	- -	0.05
			COBALT	--	2E-07	--	--	2E-07	Lungs	- -	0.3	- -	0.3
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.2	- -	0.2
			MERCURY	--	- -	--	--	- -	NA	- -	0.0010	- -	0.0010
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-07	--	--	3E-07	Lungs	- -	0.002	- -	0.002
			Chemical Total	--	6E-07	--	--	6E-07		- -	0.6	- -	0.6
		Exposure Point Total						6E-07					0.6
	Exposure Medium Total							6E-07					0.6
Medium Total								2E-06					1.0
Receptor Total							Receptor Risk Total	5E-06				Receptor HI Total	2

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Construction Worker

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.009
Total Blood HI	0.006
Total Body Weight HI	0.03
Total CNS HI	0.5
Total CVS HI	0.1
Total GS HI	0.3
Total Kidney HI	0.03
Total Lungs HI	0.6
Total None Reported HI	0.006
Total Skin HI	0.1
Total Respiratory HI	0.03
Total NA HI	0.09
Total Thyroid HI	0.04

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	5E-06	--	8E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1260	7E-09	--	1E-08	--	2E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.0006	- -	0.0005	0.001
			ARSENIC	9E-07	--	4E-07	--	1E-06	Skin, CVS	0.006	- -	0.002	0.008
			CADMIUM	- -	--	- -	--	- -	Kidney	0.00007	- -	0.00004	0.0001
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.002	0.02
			IRON	- -	--	- -	--	- -	GS	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0003	- -	0.00004	0.0004
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0004	- -	0.0008	0.001
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00004	- -	0.000006	0.00005
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0004	- -	0.001	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0003	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	8E-08	--	4E-07	--	5E-07	None Reported	0.0001	- -	0.0007	0.0009
			Chemical Total	6E-06	--	9E-06	--	1E-05		0.04	--	0.010	0.05
		Exposure Point Total						1E-05					0.05
	Exposure Medium Total							1E-05					0.05
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-13	--	--	3E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	7E-12	--	--	7E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-10	--	--	1E-10	Body Weight	- -	0.00001	- -	0.00001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000006	- -	0.0000006
			Chemical Total	--	5E-09	--	--	5E-09		- -	0.0003	- -	0.0003
		Exposure Point Total						5E-09					0.0003
	Exposure Medium Total							5E-09					0.0003
Medium Total								1E-05					0.05

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00010	- -	0.0002	0.0003
			BENZO(A)PYRENE EQUIVALENTS	8E-07	--	1E-06	--	2E-06	NA	--	- -	--	--
			AROCLOR-1260	8E-08	--	2E-07	--	2E-07	NA	--	- -	--	--
			ARSENIC	1E-06	--	5E-07	--	2E-06	Skin, CVS	0.008	- -	0.003	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.003	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0002	- -	0.00003	0.0003
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0003	- -	0.0006	0.0008
			VANADIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0005	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	6E-07	--	8E-07	None Reported	0.0002	- -	0.001	0.001
			Chemical Total	2E-06	--	3E-06	--	5E-06		0.05	--	0.01	0.06
		Exposure Point Total						5E-06					0.06
	Exposure Medium Total							5E-06					0.06
	Air	Block D	NAPHTHALENE	--	2E-07	--	--	2E-07	Respiratory	- -	0.005	- -	0.005
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-12	--	--	3E-12	NA	- -	--	- -	--
			ARSENIC	--	5E-10	--	--	5E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00010	- -	0.00010
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000010	- -	0.0000010
			Chemical Total	--	2E-07	--	--	2E-07		- -	0.005	- -	0.005
		Exposure Point Total						2E-07					0.005
	Exposure Medium Total							2E-07					0.005
Medium Total								5E-06					0.07
Receptor Total							Receptor Risk Total	2E-05				Receptor HI Total	0.1

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.002
Total Blood HI	0.04
Total Body Weight HI	0.002
Total CNS HI	0.0008
Total CVS HI	0.02
Total GS HI	0.04
Total Kidney HI	0.008
Total Lungs HI	0.0003
Total None Reported HI	0.002
Total Skin HI	0.02
Total Respiratory HI	0.005
Total NA HI	0.00004

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	6E-05	--	2E-05	--	8E-05	NA	--	- -	--	--
			AROCLOR-1260	2E-08	--	5E-09	--	2E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.006	- -	0.0009	0.007
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.06	- -	0.004	0.06
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0007	- -	0.00007	0.0008
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.004	0.2
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.003	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.003	- -	0.00007	0.003
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.004	- -	0.001	0.005
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0004	- -	0.00001	0.0004
			NICKEL	- -	--	- -	--	- -	Body Weight	0.004	- -	0.002	0.006
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0006	0.03
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	9E-07	--	2E-06	None Reported	0.001	- -	0.001	0.003
			Chemical Total	6E-05	--	2E-05	--	8E-05		0.4	--	0.02	0.4
		Exposure Point Total						8E-05					0.4
	Exposure Medium Total							8E-05					0.4
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-14	--	--	2E-14	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-11	--	--	2E-11	NA	- -	0.000004	- -	0.000004
			CADMIUM	--	4E-13	--	--	4E-13	NA	- -	0.0000003	- -	0.0000003
			COBALT	--	2E-10	--	--	2E-10	Lungs	- -	0.00003	- -	0.00003
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00003	- -	0.00003
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000002	- -	0.0000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	6E-12	--	--	6E-12	Body Weight	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-10	--	--	6E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	8E-10	--	--	8E-10		- -	0.00007	- -	0.00007
		Exposure Point Total						8E-10					0.00007
	Exposure Medium Total							8E-10					0.00007
Medium Total								8E-05					0.4

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.0010	- -	0.0003	0.001
			BENZO(A)PYRENE EQUIVALENTS	1E-05	--	3E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1260	2E-07	--	7E-08	--	3E-07	NA	--	- -	--	--
			ARSENIC	3E-06	--	2E-07	--	3E-06	Skin, CVS	0.07	- -	0.005	0.08
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.004	0.2
			IRON	- -	--	- -	--	- -	GS	0.2	- -	0.005	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.002	- -	0.00005	0.002
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.003	- -	0.0010	0.004
			VANADIUM	- -	--	- -	--	- -	Kidney	0.04	- -	0.0010	0.04
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-06	--	1E-06	--	3E-06	None Reported	0.002	- -	0.002	0.004
			Chemical Total	2E-05	--	5E-06	--	2E-05		0.5	--	0.02	0.5
		Exposure Point Total						2E-05					0.5
	Exposure Medium Total							2E-05					0.5
	Air	Block D	NAPHTHALENE	--	1E-08	--	--	1E-08	Respiratory	- -	0.001	- -	0.001
			BENZO(A)PYRENE EQUIVALENTS	--	6E-12	--	--	6E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			ARSENIC	--	3E-11	--	--	3E-11	NA	- -	0.000006	- -	0.000006
			COBALT	--	2E-10	--	--	2E-10	Lungs	- -	0.00004	- -	0.00004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00003	- -	0.00003
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000001	- -	0.0000001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.001	- -	0.001
		Exposure Point Total						1E-08					0.001
	Exposure Medium Total							1E-08					0.001
Medium Total								2E-05					0.5
Receptor Total							Receptor Risk Total	1E-04				Receptor HI Total	0.9

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.009
Total Blood HI	0.4
Total Body Weight HI	0.007
Total CNS HI	0.006
Total CVS HI	0.1
Total GS HI	0.3
Total Kidney HI	0.07
Total Lungs HI	0.00007
Total None Reported HI	0.007
Total Skin HI	0.1
Total Respiratory HI	0.001
Total NA HI	0.00001

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	1E-05	--	1E-05	--	2E-05	NA	--	- -	--	--
			AROCLOR-1260	6E-09	--	7E-09	--	1E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.001	- -	0.0006	0.002
			ARSENIC	8E-07	--	2E-07	--	1E-06	Skin, CVS	0.01	- -	0.003	0.01
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0001	- -	0.00005	0.0002
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.003	0.04
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.002	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0006	- -	0.00005	0.0006
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0008	- -	0.0009	0.002
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00008	- -	0.000007	0.00009
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0007	- -	0.001	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0004	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	6E-07	--	8E-07	None Reported	0.0003	- -	0.0009	0.001
			Chemical Total	1E-05	--	1E-05	--	3E-05		0.07	--	0.01	0.08
		Exposure Point Total						3E-05					0.08
	Exposure Medium Total							3E-05					0.08
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	4E-14	--	--	4E-14	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	5E-11	--	--	5E-11	NA	- -	0.000004	- -	0.000004
			CADMIUM	--	9E-13	--	--	9E-13	NA	- -	0.0000003	- -	0.0000003
			COBALT	--	3E-10	--	--	3E-10	Lungs	- -	0.00003	- -	0.00003
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00003	- -	0.00003
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000002	- -	0.0000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-11	--	--	1E-11	Body Weight	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-10	--	--	6E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	1E-09	--	--	1E-09		- -	0.00007	- -	0.00007
		Exposure Point Total						1E-09					0.00007
	Exposure Medium Total							1E-09					0.00007
Medium Total								3E-05					0.08

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.0002	- -	0.0002	0.0004
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	2E-06	--	4E-06	NA	--	- -	--	--
			AROCLOR-1260	7E-08	--	9E-08	--	2E-07	NA	--	- -	--	--
			ARSENIC	1E-06	--	3E-07	--	1E-06	Skin, CVS	0.01	- -	0.004	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.04	- -	0.003	0.04
			IRON	- -	--	- -	--	- -	GS	0.04	- -	0.003	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0004	- -	0.00004	0.0005
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0005	- -	0.0007	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.008	- -	0.0007	0.008
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-07	--	1E-06	--	1E-06	None Reported	0.0004	- -	0.001	0.002
			Chemical Total	3E-06	--	4E-06	--	7E-06		0.10	--	0.01	0.1
		Exposure Point Total						7E-06					0.1
	Exposure Medium Total							7E-06					0.1
	Air	Block D	NAPHTHALENE	--	2E-08	--	--	2E-08	Respiratory	- -	0.001	- -	0.001
			BENZO(A)PYRENE EQUIVALENTS	--	6E-12	--	--	6E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	4E-13	--	--	4E-13	NA	- -	--	- -	--
			ARSENIC	--	6E-11	--	--	6E-11	NA	- -	0.000006	- -	0.000006
			COBALT	--	3E-10	--	--	3E-10	Lungs	- -	0.00004	- -	0.00004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00003	- -	0.00003
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000001	- -	0.0000001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.001	- -	0.001
		Exposure Point Total						2E-08					0.001
	Exposure Medium Total							2E-08					0.001
Medium Total								7E-06					0.1
Receptor Total							Receptor Risk Total	3E-05				Receptor HI Total	0.2

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.003
Total Blood HI	0.08
Total Body Weight HI	0.002
Total CNS HI	0.001
Total CVS HI	0.03
Total GS HI	0.07
Total Kidney HI	0.01
Total Lungs HI	0.00007
Total None Reported HI	0.003
Total Skin HI	0.03
Total Respiratory HI	0.001
Total NA HI	0.00001

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	7E-05	--	3E-05	--	1E-04					
			AROCLOR-1260	2E-08	--	1E-08	--	4E-08					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	3E-06	--	4E-07	--	3E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	1E-06	--	2E-06	--	3E-06					
			Chemical Total	8E-05	--	3E-05	--	1E-04					
		Exposure Point Total						1E-04					
	Exposure Medium Total							1E-04					
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	7E-11	--	--	7E-11					
			AROCLOR-1260	--	5E-14	--	--	5E-14					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	7E-11	--	--	7E-11					
			CADMIUM	--	1E-12	--	--	1E-12					
			COBALT	--	5E-10	--	--	5E-10					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	2E-11	--	--	2E-11					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09					
			Chemical Total	--	2E-09	--	--	2E-09					
		Exposure Point Total						2E-09					
	Exposure Medium Total							2E-09					
Medium Total								1E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	1E-05	--	5E-06	--	2E-05					
			AROCLOR-1260	3E-07	--	2E-07	--	4E-07					
			ARSENIC	4E-06	--	5E-07	--	4E-06					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	2E-06	--	2E-06	--	4E-06					
			Chemical Total	2E-05	--	8E-06	--	3E-05					
		Exposure Point Total						3E-05					
	Exposure Medium Total							3E-05					
	Air	Block D	NAPHTHALENE	--	3E-08	--	--	3E-08					
			BENZO(A)PYRENE EQUIVALENTS	--	1E-11	--	--	1E-11					
			AROCLOR-1260	--	7E-13	--	--	7E-13					
			ARSENIC	--	9E-11	--	--	9E-11					
			COBALT	--	5E-10	--	--	5E-10					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09					
			Chemical Total	--	4E-08	--	--	4E-08					
		Exposure Point Total						4E-08					
	Exposure Medium Total							4E-08					
Medium Total								3E-05					
Receptor Total							Receptor Risk Total	1E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	5E-06	--	8E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1260	7E-09	--	1E-08	--	2E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.0006	- -	0.0005	0.001
			ARSENIC	9E-07	--	4E-07	--	1E-06	Skin, CVS	0.006	- -	0.002	0.008
			CADMIUM	- -	--	- -	--	- -	Kidney	0.00007	- -	0.00004	0.0001
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.002	0.02
			IRON	- -	--	- -	--	- -	GS	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0003	- -	0.00004	0.0004
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0004	- -	0.0008	0.001
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00004	- -	0.000006	0.00005
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0004	- -	0.001	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0003	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	8E-08	--	4E-07	--	5E-07	None Reported	0.0001	- -	0.0007	0.0009
			Chemical Total	6E-06	--	9E-06	--	1E-05		0.04	--	0.010	0.05
		Exposure Point Total						1E-05					0.05
	Exposure Medium Total							1E-05					0.05
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-13	--	--	3E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	7E-12	--	--	7E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-10	--	--	1E-10	Body Weight	- -	0.00001	- -	0.00001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000006	- -	0.0000006
			Chemical Total	--	5E-09	--	--	5E-09		- -	0.0003	- -	0.0003
		Exposure Point Total						5E-09					0.0003
	Exposure Medium Total							5E-09					0.0003
Medium Total								1E-05					0.05

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00010	- -	0.0002	0.0003
			BENZO(A)PYRENE EQUIVALENTS	8E-07	--	1E-06	--	2E-06	NA	--	- -	--	--
			AROCLOR-1260	8E-08	--	2E-07	--	2E-07	NA	--	- -	--	--
			ARSENIC	1E-06	--	5E-07	--	2E-06	Skin, CVS	0.008	- -	0.003	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.003	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0002	- -	0.00003	0.0003
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0003	- -	0.0006	0.0008
			VANADIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0005	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	6E-07	--	8E-07	None Reported	0.0002	- -	0.001	0.001
			Chemical Total	2E-06	--	3E-06	--	5E-06		0.05	--	0.01	0.06
		Exposure Point Total						5E-06					0.06
	Exposure Medium Total							5E-06					0.06
	Air	Block D	NAPHTHALENE	--	2E-07	--	--	2E-07	Respiratory	- -	0.005	- -	0.005
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-12	--	--	3E-12	NA	- -	--	- -	--
			ARSENIC	--	5E-10	--	--	5E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00010	- -	0.00010
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000010	- -	0.0000010
			Chemical Total	--	2E-07	--	--	2E-07		- -	0.005	- -	0.005
		Exposure Point Total						2E-07					0.005
	Exposure Medium Total							2E-07					0.005
Medium Total								5E-06					0.07
Receptor Total							Receptor Risk Total	2E-05				Receptor HI Total	0.1

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.002
Total Blood HI	0.04
Total Body Weight HI	0.002
Total CNS HI	0.0008
Total CVS HI	0.02
Total GS HI	0.04
Total Kidney HI	0.008
Total Lungs HI	0.0003
Total None Reported HI	0.002
Total Skin HI	0.02
Total Respiratory HI	0.005
Total NA HI	0.00004

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	1E-04	--	4E-05	--	2E-04	NA	--	- -	--	--
			AROCLOR-1260	3E-08	--	1E-08	--	4E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.01	- -	0.002	0.01
			ARSENIC	4E-06	--	3E-07	--	4E-06	Skin, CVS	0.1	- -	0.009	0.1
			CADMIUM	- -	--	- -	--	- -	Kidney	0.001	- -	0.0002	0.002
			COBALT	- -	--	- -	--	- -	Blood	0.3	- -	0.009	0.3
			IRON	- -	--	- -	--	- -	GS	0.2	- -	0.006	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.006	- -	0.0002	0.006
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.008	- -	0.003	0.01
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0008	- -	0.00002	0.0008
			NICKEL	- -	--	- -	--	- -	Body Weight	0.007	- -	0.005	0.01
			VANADIUM	- -	--	- -	--	- -	Kidney	0.05	- -	0.001	0.05
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-06	--	2E-06	--	4E-06	None Reported	0.003	- -	0.003	0.006
			Chemical Total	1E-04	--	4E-05	--	2E-04		0.7	--	0.04	0.8
		Exposure Point Total						2E-04					0.8
	Exposure Medium Total							2E-04					0.8
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	7E-14	--	--	7E-14	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	9E-11	--	--	9E-11	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	2E-12	--	--	2E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	6E-10	--	--	6E-10	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	2E-11	--	--	2E-11	Body Weight	- -	0.00001	- -	0.00001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000006	- -	0.0000006
			Chemical Total	--	3E-09	--	--	3E-09		- -	0.0003	- -	0.0003
		Exposure Point Total						3E-09					0.0003
	Exposure Medium Total							3E-09					0.0003
Medium Total								2E-04					0.8

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.002	- -	0.0007	0.002
			BENZO(A)PYRENE EQUIVALENTS	2E-05	--	7E-06	--	3E-05	NA	--	- -	--	--
			AROCLOR-1260	4E-07	--	1E-07	--	5E-07	NA	--	- -	--	--
			ARSENIC	5E-06	--	5E-07	--	6E-06	Skin, CVS	0.1	- -	0.01	0.2
			COBALT	- -	--	- -	--	- -	Blood	0.4	- -	0.010	0.4
			IRON	- -	--	- -	--	- -	GS	0.4	- -	0.01	0.4
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.004	- -	0.0001	0.005
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.005	- -	0.002	0.008
			VANADIUM	- -	--	- -	--	- -	Kidney	0.08	- -	0.002	0.08
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	6E-06	None Reported	0.004	- -	0.005	0.009
			Chemical Total	3E-05	--	1E-05	--	4E-05		1.0	--	0.04	1
		Exposure Point Total						4E-05					1
	Exposure Medium Total							4E-05					1
	Air	Block D	NAPHTHALENE	--	4E-08	--	--	4E-08	Respiratory	- -	0.005	- -	0.005
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	8E-13	--	--	8E-13	NA	- -	--	- -	--
			ARSENIC	--	1E-10	--	--	1E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	6E-10	--	--	6E-10	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00010	- -	0.00010
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.0000010	- -	0.0000010
			Chemical Total	--	5E-08	--	--	5E-08		- -	0.005	- -	0.005
		Exposure Point Total						5E-08					0.005
	Exposure Medium Total							5E-08					0.005
Medium Total								4E-05					1
Receptor Total							Receptor Risk Total	2E-04				Receptor HI Total	2

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.02
Total Blood HI	0.7
Total Body Weight HI	0.01
Total CNS HI	0.01
Total CVS HI	0.3
Total GS HI	0.6
Total Kidney HI	0.1
Total Lungs HI	0.0003
Total None Reported HI	0.01
Total Skin HI	0.3
Total Respiratory HI	0.005
Total NA HI	0.00004

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	2E-05	--	9E-06	--	3E-05	NA	--	- -	--	--
			AROCLOR-1260	1E-08	--	5E-09	--	2E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.0004	0.002
			ARSENIC	2E-06	--	1E-07	--	2E-06	Skin, CVS	0.02	- -	0.002	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0003	- -	0.00003	0.0003
			COBALT	- -	--	- -	--	- -	Blood	0.06	- -	0.002	0.06
			IRON	- -	--	- -	--	- -	GS	0.04	- -	0.001	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.001	- -	0.00003	0.001
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.0006	0.002
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0002	- -	0.000005	0.0002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.001	- -	0.0009	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.009	- -	0.0003	0.009
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-07	--	4E-07	--	8E-07	None Reported	0.0005	- -	0.0006	0.001
			Chemical Total	2E-05	--	9E-06	--	3E-05		0.1	--	0.008	0.1
		Exposure Point Total						3E-05					0.1
	Exposure Medium Total							3E-05					0.1
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-13	--	--	1E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	3E-12	--	--	3E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	5E-11	--	--	5E-11	Body Weight	- -	0.00001	- -	0.00001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000006	- -	0.0000006
			Chemical Total	--	4E-09	--	--	4E-09		- -	0.0003	- -	0.0003
		Exposure Point Total						4E-09					0.0003
	Exposure Medium Total							4E-09					0.0003
Medium Total								3E-05					0.1

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.0003	- -	0.0001	0.0005
			BENZO(A)PYRENE EQUIVALENTS	4E-06	--	1E-06	--	5E-06	NA	--	- -	--	--
			AROCLOR-1260	1E-07	--	6E-08	--	2E-07	NA	--	- -	--	--
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.03	- -	0.002	0.03
			COBALT	- -	--	- -	--	- -	Blood	0.07	- -	0.002	0.07
			IRON	- -	--	- -	--	- -	GS	0.08	- -	0.002	0.08
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0008	- -	0.00003	0.0009
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.0004	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0004	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	5E-07	--	7E-07	--	1E-06	None Reported	0.0008	- -	0.0010	0.002
			Chemical Total	6E-06	--	2E-06	--	9E-06		0.2	--	0.009	0.2
		Exposure Point Total						9E-06					0.2
	Exposure Medium Total							9E-06					0.2
	Air	Block D	NAPHTHALENE	--	8E-08	--	--	8E-08	Respiratory	- -	0.005	- -	0.005
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00010	- -	0.00010
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.0000010	- -	0.0000010
			Chemical Total	--	9E-08	--	--	9E-08		- -	0.005	- -	0.005
		Exposure Point Total						9E-08					0.005
	Exposure Medium Total							9E-08					0.005
Medium Total								9E-06					0.2
Receptor Total							Receptor Risk Total	4E-05				Receptor HI Total	0.3

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.004
Total Blood HI	0.1
Total Body Weight HI	0.003
Total CNS HI	0.002
Total CVS HI	0.05
Total GS HI	0.1
Total Kidney HI	0.02
Total Lungs HI	0.0003
Total None Reported HI	0.003
Total Skin HI	0.05
Total Respiratory HI	0.005
Total NA HI	0.00004

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	5E-06	--	2E-06	--	7E-06	NA	--	- -	--	--
			AROCLOR-1260	7E-09	--	4E-09	--	1E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.001	- -	0.0003	0.001
			ARSENIC	9E-07	--	1E-07	--	1E-06	Skin, CVS	0.01	- -	0.001	0.01
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0001	- -	0.00002	0.0002
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.001	0.04
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.0009	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0006	- -	0.00003	0.0007
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0008	- -	0.0005	0.001
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00009	- -	0.000004	0.00009
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0007	- -	0.0007	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0002	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	7E-08	--	1E-07	--	2E-07	None Reported	0.0003	- -	0.0005	0.0007
			Chemical Total	6E-06	--	3E-06	--	8E-06		0.08	--	0.006	0.08
		Exposure Point Total						8E-06					0.08
	Exposure Medium Total							8E-06					0.08
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-13	--	--	1E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	3E-12	--	--	3E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	5E-11	--	--	5E-11	Body Weight	- -	0.00001	- -	0.00001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	9E-10	--	--	9E-10	Lungs	- -	0.0000006	- -	0.0000006
			Chemical Total	--	2E-09	--	--	2E-09		- -	0.0003	- -	0.0003
		Exposure Point Total						2E-09					0.0003
	Exposure Medium Total							2E-09					0.0003
Medium Total								8E-06					0.08

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.0002	- -	0.0001	0.0003
			BENZO(A)PYRENE EQUIVALENTS	8E-07	--	4E-07	--	1E-06	NA	--	- -	--	--
			AROCLOR-1260	8E-08	--	4E-08	--	1E-07	NA	--	- -	--	--
			ARSENIC	1E-06	--	1E-07	--	1E-06	Skin, CVS	0.02	- -	0.002	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.04	- -	0.002	0.04
			IRON	- -	--	- -	--	- -	GS	0.04	- -	0.002	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0005	- -	0.00002	0.0005
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0006	- -	0.0003	0.0009
			VANADIUM	- -	--	- -	--	- -	Kidney	0.008	- -	0.0003	0.009
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	2E-07	--	3E-07	None Reported	0.0005	- -	0.0007	0.001
			Chemical Total	2E-06	--	8E-07	--	3E-06		0.1	--	0.007	0.1
		Exposure Point Total						3E-06					0.1
	Exposure Medium Total							3E-06					0.1
	Air	Block D	NAPHTHALENE	--	8E-08	--	--	8E-08	Respiratory	- -	0.005	- -	0.005
			BENZO(A)PYRENE EQUIVALENTS	--	9E-12	--	--	9E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00010	- -	0.00010
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000010	- -	0.0000010
			Chemical Total	--	9E-08	--	--	9E-08		- -	0.005	- -	0.005
		Exposure Point Total						9E-08					0.005
	Exposure Medium Total							9E-08					0.005
Medium Total								3E-06					0.1
Receptor Total							Receptor Risk Total	1E-05				Receptor HI Total	0.2

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.002
Total Blood HI	0.08
Total Body Weight HI	0.002
Total CNS HI	0.001
Total CVS HI	0.03
Total GS HI	0.07
Total Kidney HI	0.01
Total Lungs HI	0.0003
Total None Reported HI	0.002
Total Skin HI	0.03
Total Respiratory HI	0.005
Total NA HI	0.00004

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	1E-04	--	5E-05	--	2E-04					
			AROCLOR-1260	5E-08	--	2E-08	--	7E-08					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	7E-06	--	6E-07	--	7E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	2E-06	--	3E-06	--	5E-06					
			Chemical Total	2E-04	--	6E-05	--	2E-04					
		Exposure Point Total						2E-04					
	Exposure Medium Total							2E-04					
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	3E-10	--	--	3E-10					
			AROCLOR-1260	--	3E-13	--	--	3E-13					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	5E-10	--	--	5E-10					
			CADMIUM	--	8E-12	--	--	8E-12					
			COBALT	--	3E-09	--	--	3E-09					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	1E-10	--	--	1E-10					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09					
			Chemical Total	--	9E-09	--	--	9E-09					
		Exposure Point Total						9E-09					
	Exposure Medium Total							9E-09					
Medium Total								2E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	2E-05	--	9E-06	--	3E-05					
			AROCLOR-1260	6E-07	--	3E-07	--	8E-07					
			ARSENIC	9E-06	--	8E-07	--	9E-06					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	4E-06	--	4E-06	--	8E-06					
			Chemical Total	4E-05	--	1E-05	--	5E-05					
		Exposure Point Total						5E-05					
	Exposure Medium Total							5E-05					
	Air	Block D	NAPHTHALENE	--	2E-07	--	--	2E-07					
			BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11					
			AROCLOR-1260	--	4E-12	--	--	4E-12					
			ARSENIC	--	6E-10	--	--	6E-10					
			COBALT	--	3E-09	--	--	3E-09					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	9E-09	--	--	9E-09					
			Chemical Total	--	2E-07	--	--	2E-07					
		Exposure Point Total						2E-07					
	Exposure Medium Total							2E-07					
Medium Total								5E-05					
Receptor Total							Receptor Risk Total	3E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	2E-04	--	6E-05	--	2E-04	NA	--	- -	--	--
			AROCLOR-1260	4E-08	--	2E-08	--	6E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			ARSENIC	6E-06	--	5E-07	--	6E-06	Skin, CVS	0.1	- -	0.01	0.2
			CADMIUM	- -	--	- -	--	- -	Kidney	0.002	- -	0.0002	0.002
			COBALT	- -	--	- -	--	- -	Blood	0.5	- -	0.01	0.5
			IRON	- -	--	- -	--	- -	GS	0.3	- -	0.008	0.3
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.008	- -	0.0002	0.008
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.01	- -	0.004	0.01
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.001	- -	0.00003	0.001
			NICKEL	- -	--	- -	--	- -	Body Weight	0.009	- -	0.007	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.07	- -	0.002	0.07
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	5E-06	None Reported	0.004	- -	0.004	0.008
			Chemical Total	2E-04	--	6E-05	--	2E-04		1	--	0.05	1
		Exposure Point Total						2E-04					1
	Exposure Medium Total							2E-04					1
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	6E-10	--	--	6E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-13	--	--	3E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00007	- -	0.00007
			CADMIUM	--	7E-12	--	--	7E-12	NA	- -	0.000004	- -	0.000004
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0005	- -	0.0005
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0005	- -	0.0005
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-10	--	--	1E-10	Body Weight	- -	0.00005	- -	0.00005
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.001	- -	0.001
		Exposure Point Total						1E-08					0.001
	Exposure Medium Total							1E-08					0.001
Medium Total								2E-04					1

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.003	- -	0.0009	0.003
			BENZO(A)PYRENE EQUIVALENTS	3E-05	--	1E-05	--	4E-05	NA	--	- -	--	--
			AROCLOR-1260	5E-07	--	2E-07	--	7E-07	NA	--	- -	--	--
			ARSENIC	8E-06	--	6E-07	--	8E-06	Skin, CVS	0.2	- -	0.02	0.2
			COBALT	- -	--	- -	--	- -	Blood	0.5	- -	0.01	0.5
			IRON	- -	--	- -	--	- -	GS	0.6	- -	0.02	0.6
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.006	- -	0.0002	0.006
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.008	- -	0.003	0.01
			VANADIUM	- -	--	- -	--	- -	Kidney	0.1	- -	0.003	0.1
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-06	--	5E-06	--	9E-06	None Reported	0.006	- -	0.007	0.01
			Chemical Total	4E-05	--	2E-05	--	6E-05		1	--	0.06	1
		Exposure Point Total						6E-05					1
	Exposure Medium Total							6E-05					1
	Air	Block D	NAPHTHALENE	--	2E-07	--	--	2E-07	Respiratory	- -	0.02	- -	0.02
			BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-12	--	--	3E-12	NA	- -	--	- -	--
			ARSENIC	--	5E-10	--	--	5E-10	NA	- -	0.00009	- -	0.00009
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0006	- -	0.0006
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0004	- -	0.0004
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-08	--	--	2E-08	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	2E-07	--	--	2E-07		- -	0.02	- -	0.02
		Exposure Point Total						2E-07					0.02
	Exposure Medium Total							2E-07					0.02
Medium Total								6E-05					1

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.03
Total Blood HI	1.0
Total Body Weight HI	0.02
Total CNS HI	0.02
Total CVS HI	0.4
Total GS HI	0.9
Total Kidney HI	0.2
Total Lungs HI	0.001
Total None Reported HI	0.02
Total Skin HI	0.4
Total Respiratory HI	0.02
Total NA HI	0.0002

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	3E-05	--	1E-05	--	4E-05	NA	--	- -	--	--
			AROCLOR-1260	2E-08	--	7E-09	--	2E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.003	- -	0.0006	0.003
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.03	- -	0.003	0.03
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0004	- -	0.00004	0.0004
			COBALT	- -	--	- -	--	- -	Blood	0.09	- -	0.003	0.09
			IRON	- -	--	- -	--	- -	GS	0.06	- -	0.002	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.002	- -	0.00005	0.002
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.002	- -	0.0009	0.003
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0002	- -	0.000007	0.0002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.002	- -	0.001	0.003
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0004	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	5E-07	--	6E-07	--	1E-06	None Reported	0.0007	- -	0.0008	0.002
			Chemical Total	3E-05	--	1E-05	--	5E-05		0.2	--	0.01	0.2
		Exposure Point Total						5E-05					0.2
	Exposure Medium Total							5E-05					0.2
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	6E-10	--	--	6E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	6E-13	--	--	6E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	8E-10	--	--	8E-10	NA	- -	0.00007	- -	0.00007
			CADMIUM	--	1E-11	--	--	1E-11	NA	- -	0.000004	- -	0.000004
			COBALT	--	5E-09	--	--	5E-09	Lungs	- -	0.0005	- -	0.0005
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0005	- -	0.0005
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	2E-10	--	--	2E-10	Body Weight	- -	0.00005	- -	0.00005
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.001	- -	0.001
		Exposure Point Total						2E-08					0.001
	Exposure Medium Total							2E-08					0.001
Medium Total								5E-05					0.2

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.0005	- -	0.0002	0.0007
			BENZO(A)PYRENE EQUIVALENTS	5E-06	--	2E-06	--	7E-06	NA	--	- -	--	--
			AROCLOR-1260	2E-07	--	8E-08	--	3E-07	NA	--	- -	--	--
			ARSENIC	3E-06	--	3E-07	--	3E-06	Skin, CVS	0.04	- -	0.003	0.04
			COBALT	- -	--	- -	--	- -	Blood	0.09	- -	0.003	0.10
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.003	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.001	- -	0.00004	0.001
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.0006	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0006	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	8E-07	--	9E-07	--	2E-06	None Reported	0.001	- -	0.001	0.002
			Chemical Total	9E-06	--	3E-06	--	1E-05		0.3	--	0.01	0.3
		Exposure Point Total						1E-05					0.3
	Exposure Medium Total							1E-05					0.3
	Air	Block D	NAPHTHALENE	--	3E-07	--	--	3E-07	Respiratory	- -	0.02	- -	0.02
			BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	7E-12	--	--	7E-12	NA	- -	--	- -	--
			ARSENIC	--	1E-09	--	--	1E-09	NA	- -	0.00009	- -	0.00009
			COBALT	--	5E-09	--	--	5E-09	Lungs	- -	0.0006	- -	0.0006
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0004	- -	0.0004
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-08	--	--	2E-08	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	4E-07	--	--	4E-07		- -	0.02	- -	0.02
		Exposure Point Total						4E-07					0.02
	Exposure Medium Total							4E-07					0.02
Medium Total								1E-05					0.3
Receptor Total							Receptor Risk Total	6E-05				Receptor HI Total	0.5

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.005
Total Blood HI	0.2
Total Body Weight HI	0.004
Total CNS HI	0.004
Total CVS HI	0.07
Total GS HI	0.2
Total Kidney HI	0.03
Total Lungs HI	0.001
Total None Reported HI	0.004
Total Skin HI	0.07
Total Respiratory HI	0.02
Total NA HI	0.0002

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	7E-06	--	3E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1260	9E-09	--	5E-09	--	1E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.0004	0.002
			ARSENIC	1E-06	--	1E-07	--	1E-06	Skin, CVS	0.02	- -	0.002	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0002	- -	0.00003	0.0002
			COBALT	- -	--	- -	--	- -	Blood	0.05	- -	0.002	0.05
			IRON	- -	--	- -	--	- -	GS	0.03	- -	0.001	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0009	- -	0.00004	0.0009
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.0007	0.002
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0001	- -	0.000005	0.0001
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0010	- -	0.0010	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.0003	0.007
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	2E-07	--	3E-07	None Reported	0.0004	- -	0.0006	0.001
			Chemical Total	8E-06	--	4E-06	--	1E-05		0.1	--	0.008	0.1
		Exposure Point Total						1E-05					0.1
	Exposure Medium Total							1E-05					0.1
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	6E-13	--	--	6E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	8E-10	--	--	8E-10	NA	- -	0.00007	- -	0.00007
			CADMIUM	--	1E-11	--	--	1E-11	NA	- -	0.000004	- -	0.000004
			COBALT	--	5E-09	--	--	5E-09	Lungs	- -	0.0005	- -	0.0005
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0005	- -	0.0005
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	2E-10	--	--	2E-10	Body Weight	- -	0.00005	- -	0.00005
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.001	- -	0.001
		Exposure Point Total						1E-08					0.001
	Exposure Medium Total							1E-08					0.001
Medium Total								1E-05					0.1

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.0003	- -	0.0001	0.0004
			BENZO(A)PYRENE EQUIVALENTS	1E-06	--	6E-07	--	2E-06	NA	--	- -	--	--
			AROCLOR-1260	1E-07	--	6E-08	--	2E-07	NA	--	- -	--	--
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.02	- -	0.003	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.05	- -	0.002	0.06
			IRON	- -	--	- -	--	- -	GS	0.06	- -	0.002	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0007	- -	0.00003	0.0007
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0008	- -	0.0005	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0005	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	3E-07	--	4E-07	None Reported	0.0006	- -	0.001	0.002
			Chemical Total	3E-06	--	1E-06	--	4E-06		0.1	--	0.009	0.2
		Exposure Point Total						4E-06					0.2
	Exposure Medium Total							4E-06					0.2
	Air	Block D	NAPHTHALENE	--	3E-07	--	--	3E-07	Respiratory	- -	0.02	- -	0.02
			BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	7E-12	--	--	7E-12	NA	- -	--	- -	--
			ARSENIC	--	1E-09	--	--	1E-09	NA	- -	0.00009	- -	0.00009
			COBALT	--	5E-09	--	--	5E-09	Lungs	- -	0.0006	- -	0.0006
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0004	- -	0.0004
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	4E-07	--	--	4E-07		- -	0.02	- -	0.02
		Exposure Point Total						4E-07					0.02
	Exposure Medium Total							4E-07					0.02
Medium Total								4E-06					0.2
Receptor Total							Receptor Risk Total	2E-05				Receptor HI Total	0.3

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK D - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.003
Total Blood HI	0.1
Total Body Weight HI	0.002
Total CNS HI	0.003
Total CVS HI	0.04
Total GS HI	0.10
Total Kidney HI	0.02
Total Lungs HI	0.001
Total None Reported HI	0.003
Total Skin HI	0.04
Total Respiratory HI	0.02
Total NA HI	0.0002

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block D	BENZO(A)PYRENE EQUIVALENTS	2E-04	--	7E-05	--	3E-04					
			AROCLOR-1260	7E-08	--	3E-08	--	1E-07					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	9E-06	--	8E-07	--	1E-05					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	3E-06	--	4E-06	--	7E-06					
			Chemical Total	2E-04	--	8E-05	--	3E-04					
		Exposure Point Total						3E-04					
	Exposure Medium Total							3E-04					
	Air	Block D	BENZO(A)PYRENE EQUIVALENTS	--	1E-09	--	--	1E-09					
			AROCLOR-1260	--	1E-12	--	--	1E-12					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	2E-09	--	--	2E-09					
			CADMIUM	--	3E-11	--	--	3E-11					
			COBALT	--	1E-08	--	--	1E-08					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	5E-10	--	--	5E-10					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	2E-08	--	--	2E-08					
			Chemical Total	--	4E-08	--	--	4E-08					
		Exposure Point Total						4E-08					
	Exposure Medium Total							4E-08					
Medium Total								3E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block D	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	3E-05	--	1E-05	--	5E-05					
			AROCLOR-1260	8E-07	--	4E-07	--	1E-06					
			ARSENIC	1E-05	--	1E-06	--	1E-05					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	5E-06	--	6E-06	--	1E-05					
			Chemical Total	5E-05	--	2E-05	--	7E-05					
		Exposure Point Total						7E-05					
	Exposure Medium Total							7E-05					
	Air	Block D	NAPHTHALENE	--	9E-07	--	--	9E-07					
			BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10					
			AROCLOR-1260	--	2E-11	--	--	2E-11					
			ARSENIC	--	3E-09	--	--	3E-09					
			COBALT	--	1E-08	--	--	1E-08					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	4E-08	--	--	4E-08					
			Chemical Total	--	9E-07	--	--	9E-07					
		Exposure Point Total						9E-07					
	Exposure Medium Total							9E-07					
Medium Total								7E-05					
Receptor Total							Receptor Risk Total	4E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Body Weight	0.01	- -	0.001	0.01
			1,2,4-TRICHLOROBENZENE	2E-07	--	9E-09	--	2E-07	Liver	0.004	--	0.0002	0.004
			1,4-DICHLOROBENZENE	8E-11	--	5E-12	--	9E-11	NA	0.00002	- -	0.0000009	0.00002
			BENZO(A)PYRENE EQUIVALENTS	7E-07	--	2E-07	--	9E-07	NA	--	- -	--	--
			AROCLOR-1254	5E-06	--	1E-06	--	6E-06	Autoimmune	8	- -	2	11
			AROCLOR-1260	1E-05	--	4E-06	--	2E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.004	- -	0.0006	0.005
			ARSENIC	2E-07	--	1E-08	--	2E-07	Skin, CVS	0.03	- -	0.002	0.04
			CADMIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.001	0.01
			COBALT	- -	--	- -	--	- -	Thyroid	0.02	--	0.0004	0.02
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.002	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.006	- -	0.0001	0.006
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.002	- -	0.0006	0.002
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0008	- -	0.00002	0.0008
			NICKEL	- -	--	- -	--	- -	Body Weight	0.003	- -	0.001	0.004
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0002	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-08	--	4E-08	--	8E-08	None Reported	0.002	- -	0.002	0.004
			Chemical Total	2E-05	--	6E-06	--	3E-05		9	--	2	11
		Exposure Point Total						3E-05					11
	Exposure Medium Total							3E-05					11

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Urinary Tract	- -	0.1	- -	0.1
			1,4-DICHLOROBENZENE	--	4E-09	--	--	4E-09	Liver	- -	0.00002	- -	0.00002
			BENZO(A)PYRENE EQUIVALENTS	--	4E-09	--	--	4E-09	NA	- -	--	- -	--
			AROCLOR-1254	--	5E-08	--	--	5E-08	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-07	--	--	1E-07	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-08	--	--	2E-08	NA	- -	0.02	- -	0.02
			CADMIUM	--	1E-08	--	--	1E-08	NA	- -	0.04	- -	0.04
			COBALT	--	2E-07	--	--	2E-07	Lungs	- -	0.3	- -	0.3
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.6	- -	0.6
			MERCURY	--	- -	--	--	- -	NA	- -	0.0006	- -	0.0006
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	6E-09	--	--	6E-09	Body Weight	- -	0.02	- -	0.02
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-07	--	--	2E-07	Lungs	- -	0.002	- -	0.002
			Chemical Total	--	7E-07	--	--	7E-07		- -	1	- -	1
		Exposure Point Total						7E-07					1
	Exposure Medium Total							7E-07					1
Medium Total								3E-05					12

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Body Weight	0.1	- -	0.01	0.1
			1,2,4-TRICHLOROBENZENE	1E-06	--	9E-08	--	1E-06	Liver	0.04	--	0.002	0.04
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	4E-09	--	2E-10	--	4E-09	NA	0.0007	- -	0.00004	0.0007
			BENZO(A)PYRENE EQUIVALENTS	8E-07	--	2E-07	--	1E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00002	- -	0.000005	0.00002
			AROCLOR-1254	1E-06	--	4E-07	--	2E-06	Autoimmune	2	- -	0.7	3
			AROCLOR-1260	1E-04	--	3E-05	--	1E-04	NA	--	- -	--	--
			ARSENIC	2E-07	--	9E-09	--	2E-07	Skin, CVS	0.02	- -	0.001	0.02
			COBALT	- -	--	- -	--	- -	Thyroid	0.006	- -	0.0001	0.006
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.002	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.003	- -	0.00006	0.003
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.005	- -	0.001	0.006
			VANADIUM	- -	--	- -	--	- -	Kidney	0.006	- -	0.0001	0.007
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-08	--	1E-08	--	3E-08	None Reported	0.0008	- -	0.0006	0.001
			Chemical Total	1E-04	--	3E-05	--	1E-04		3	--	0.7	3
		Exposure Point Total						1E-04					3
	Exposure Medium Total							1E-04					3

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.007	- -	0.007
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	2E-07	--	--	2E-07	Liver	- -	0.0009	- -	0.0009
			BENZO(A)PYRENE EQUIVALENTS	--	4E-09	--	--	4E-09	NA	- -	--	- -	--
			NAPHTHALENE	--	8E-10	--	--	8E-10	Respiratory	- -	0.0005	- -	0.0005
			AROCLOR-1254	--	1E-08	--	--	1E-08	NA	- -	--	- -	--
			AROCLOR-1260	--	9E-07	--	--	9E-07	NA	- -	--	- -	--
			ARSENIC	--	1E-08	--	--	1E-08	NA	- -	0.02	- -	0.02
			COBALT	--	8E-08	--	--	8E-08	Lungs	- -	0.1	- -	0.1
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.3	- -	0.3
			MERCURY	--	- -	--	--	- -	NA	- -	0.002	- -	0.002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	9E-08	--	--	9E-08	Lungs	- -	0.0008	- -	0.0008
			Chemical Total	--	1E-06	--	--	1E-06		- -	0.4	- -	0.4
		Exposure Point Total						1E-06					0.4
	Exposure Medium Total							1E-06					0.4
Medium Total								1E-04					4
Receptor Total							Receptor Risk Total	2E-04				Receptor HI Total	16

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	0.007
Total Autoimmune HI	14
Total Blood HI	0.005
Total Body Weight HI	0.1
Total CNS HI	0.9
Total CVS HI	0.06
Total GS HI	0.2
Total Kidney HI	0.03
Total Liver HI	0.05
Total Lungs HI	0.4
Total None Reported HI	0.005
Total Skin HI	0.06
Total Respiratory HI	0.0005
Total Urinary Tract HI	0.1
Total NA HI	0.09
Total Thyroid HI	0.02

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.010	- -	0.004	0.01
			1,2,4-TRICHLOROBENZENE	4E-07	--	2E-07	--	5E-07	Adrenals	0.004	- -	0.002	0.005
			1,4-DICHLOROBENZENE	2E-10	--	9E-11	--	3E-10	NA	0.000002	- -	0.0000006	0.000002
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	3E-06	--	5E-06	NA	--	- -	--	--
			AROCLOR-1254	1E-05	--	2E-05	--	4E-05	Autoimmune	0.9	- -	2	3
			AROCLOR-1260	4E-05	--	7E-05	--	1E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.0005	- -	0.0004	0.0009
			ARSENIC	6E-07	--	2E-07	--	8E-07	Skin, CVS	0.004	- -	0.001	0.005
			CADMIUM	- -	--	- -	--	- -	Kidney	0.001	- -	0.0007	0.002
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.002	0.02
			IRON	- -	--	- -	--	- -	GS	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0006	- -	0.00008	0.0007
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0002	- -	0.0004	0.0006
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00008	- -	0.00001	0.00009
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0003	- -	0.0009	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.002	- -	0.0003	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	6E-07	--	7E-07	None Reported	0.0002	- -	0.001	0.001
			Chemical Total	5E-05	--	1E-04	--	2E-04		0.9	--	2	3
		Exposure Point Total						2E-04					3
	Exposure Medium Total							2E-04					3

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.2	- -	0.2
			1,4-DICHLOROBENZENE	--	1E-08	--	--	1E-08	Liver	- -	0.000005	- -	0.000005
			BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	5E-10	--	--	5E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-09	--	--	2E-09	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	1E-10	--	--	1E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	7E-11	--	--	7E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.2	- -	0.2
		Exposure Point Total						2E-08					0.2
	Exposure Medium Total							2E-08					0.2
Medium Total								2E-04					3

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.1	- -	0.04	0.1
			1,2,4-TRICHLOROBENZENE	4E-06	--	1E-06	--	5E-06	Adrenals	0.04	- -	0.01	0.05
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	1E-08	--	4E-09	--	1E-08	NA	0.00007	- -	0.00003	0.0001
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	4E-06	--	6E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000002	- -	0.000003	0.000005
			AROCLOR-1254	3E-06	--	6E-06	--	1E-05	Autoimmune	0.2	- -	0.4	0.7
			AROCLOR-1260	2E-04	--	5E-04	--	7E-04	NA	--	- -	--	--
			ARSENIC	4E-07	--	2E-07	--	5E-07	Skin, CVS	0.002	- -	0.0010	0.003
			COBALT	- -	--	- -	--	- -	Blood	0.007	- -	0.0009	0.007
			IRON	- -	--	- -	--	- -	GS	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0003	- -	0.00004	0.0004
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0005	- -	0.0009	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.001	- -	0.0002	0.002
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-08	--	2E-07	--	3E-07	None Reported	0.00008	- -	0.0004	0.0005
			Chemical Total	3E-04	--	5E-04	--	7E-04		0.4	--	0.5	0.9
		Exposure Point Total						7E-04					0.9
	Exposure Medium Total							7E-04					0.9

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	1	- -	1
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	7E-07	--	--	7E-07	Liver	- -	0.0002	- -	0.0002
			BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	3E-09	--	--	3E-09	Respiratory	- -	0.00009	- -	0.00009
			AROCLOR-1254	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-08	--	--	1E-08	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.000007	- -	0.000007
			COBALT	--	9E-10	--	--	9E-10	Lungs	- -	0.00005	- -	0.00005
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000007	- -	0.0000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	7E-07	--	--	7E-07		- -	1	- -	1
		Exposure Point Total						7E-07					1
	Exposure Medium Total							7E-07					1
Medium Total								7E-04					2
Receptor Total							Receptor Risk Total	9E-04				Receptor HI Total	5

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	2
Total Autoimmune HI	3
Total Blood HI	0.03
Total Body Weight HI	0.001
Total CNS HI	0.001
Total CVS HI	0.008
Total GS HI	0.03
Total Kidney HI	0.006
Total Liver HI	0.0002
Total Lungs HI	0.0002
Total None Reported HI	0.002
Total Skin HI	0.008
Total Respiratory HI	0.00009
Total NA HI	0.0001

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.10	- -	0.007	0.1
			1,2,4-TRICHLOROBENZENE	9E-07	--	7E-08	--	1E-06	Adrenals	0.04	- -	0.003	0.04
			1,4-DICHLOROBENZENE	5E-10	--	4E-11	--	5E-10	NA	0.00002	- -	0.000001	0.00002
			BENZO(A)PYRENE EQUIVALENTS	2E-05	--	7E-06	--	3E-05	NA	--	- -	--	--
			AROCLOR-1254	3E-05	--	1E-05	--	4E-05	Autoimmune	9	- -	3	12
			AROCLOR-1260	9E-05	--	3E-05	--	1E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.004	- -	0.0007	0.005
			ARSENIC	1E-06	--	1E-07	--	1E-06	Skin, CVS	0.04	- -	0.002	0.04
			CADMIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.001	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.004	0.2
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.003	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.006	- -	0.0001	0.006
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.002	- -	0.0006	0.003
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0008	- -	0.00002	0.0008
			NICKEL	- -	--	- -	--	- -	Body Weight	0.003	- -	0.002	0.004
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0005	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	3E-06	None Reported	0.002	- -	0.002	0.004
			Chemical Total	1E-04	--	5E-05	--	2E-04		9	--	3	12
		Exposure Point Total						2E-04					12
	Exposure Medium Total							2E-04					12

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.06	- -	0.06
			1,4-DICHLOROBENZENE	--	9E-10	--	--	9E-10	Liver	- -	0.000001	- -	0.000001
			BENZO(A)PYRENE EQUIVALENTS	--	1E-11	--	--	1E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	3E-11	--	--	3E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-11	--	--	2E-11	NA	- -	0.000003	- -	0.000003
			CADMIUM	--	8E-12	--	--	8E-12	NA	- -	0.000005	- -	0.000005
			COBALT	--	2E-10	--	--	2E-10	Lungs	- -	0.00004	- -	0.00004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00006	- -	0.00006
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000007	- -	0.00000007
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	5E-12	--	--	5E-12	Body Weight	- -	0.000002	- -	0.000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	9E-10	--	--	9E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	2E-09	--	--	2E-09		- -	0.06	- -	0.06
		Exposure Point Total						2E-09					0.06
	Exposure Medium Total							2E-09					0.06
Medium Total								2E-04					12

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	1.0	- -	0.07	1
			1,2,4-TRICHLOROBENZENE	9E-06	--	6E-07	--	9E-06	Adrenals	0.3	- -	0.02	0.4
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	2E-08	--	2E-09	--	2E-08	NA	0.0007	- -	0.00005	0.0008
			BENZO(A)PYRENE EQUIVALENTS	3E-05	--	8E-06	--	4E-05	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00002	- -	0.000005	0.00002
			AROCLOR-1254	8E-06	--	3E-06	--	1E-05	Autoimmune	2	- -	0.8	3
			AROCLOR-1260	6E-04	--	2E-04	--	8E-04	NA	--	- -	--	--
			ARSENIC	9E-07	--	7E-08	--	1E-06	Skin, CVS	0.02	- -	0.002	0.03
			COBALT	- -	--	- -	--	- -	Blood	0.06	- -	0.002	0.07
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.003	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.003	- -	0.00008	0.003
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.005	- -	0.002	0.006
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0003	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	5E-07	--	5E-07	--	1E-06	None Reported	0.0008	- -	0.0007	0.002
			Chemical Total	6E-04	--	2E-04	--	8E-04		4	--	0.9	5
		Exposure Point Total						8E-04					5
	Exposure Medium Total							8E-04					5

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.3	- -	0.3
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	4E-08	--	--	4E-08	Liver	- -	0.00005	- -	0.00005
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	2E-10	--	--	2E-10	Respiratory	- -	0.00002	- -	0.00002
			AROCLOR-1254	--	9E-12	--	--	9E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	6E-10	--	--	6E-10	NA	- -	--	- -	--
			ARSENIC	--	1E-11	--	--	1E-11	NA	- -	0.000002	- -	0.000002
			COBALT	--	6E-11	--	--	6E-11	Lungs	- -	0.00001	- -	0.00001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00004	- -	0.00004
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000002	- -	0.0000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-10	--	--	4E-10	Lungs	- -	0.00000009	- -	0.00000009
			Chemical Total	--	4E-08	--	--	4E-08		- -	0.3	- -	0.3
		Exposure Point Total						4E-08					0.3
	Exposure Medium Total							4E-08					0.3
Medium Total								8E-04					5
Receptor Total							Receptor Risk Total	1E-03				Receptor HI Total	17

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	2
Total Autoimmune HI	15
Total Blood HI	0.3
Total Body Weight HI	0.004
Total CNS HI	0.010
Total CVS HI	0.06
Total GS HI	0.2
Total Kidney HI	0.05
Total Liver HI	0.00006
Total Lungs HI	0.00005
Total None Reported HI	0.006
Total Skin HI	0.06
Total Respiratory HI	0.00002
Total NA HI	0.0008

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.02	- -	0.005	0.02
			1,2,4-TRICHLOROBENZENE	3E-07	--	9E-08	--	4E-07	Adrenals	0.007	- -	0.002	0.009
			1,4-DICHLOROBENZENE	2E-10	--	5E-11	--	2E-10	NA	0.000003	- -	0.0000008	0.000004
			BENZO(A)PYRENE EQUIVALENTS	5E-06	--	5E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1254	1E-05	--	1E-05	--	2E-05	Autoimmune	2	- -	2	4
			AROCLOR-1260	3E-05	--	4E-05	--	7E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.0008	- -	0.0005	0.001
			ARSENIC	5E-07	--	1E-07	--	6E-07	Skin, CVS	0.007	- -	0.002	0.008
			CADMIUM	- -	--	- -	--	- -	Kidney	0.002	- -	0.0008	0.003
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.003	0.04
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.002	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.001	- -	0.00010	0.001
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0004	- -	0.0004	0.0008
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0002	- -	0.00001	0.0002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0005	- -	0.001	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0004	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-07	--	9E-07	--	1E-06	None Reported	0.0004	- -	0.001	0.002
			Chemical Total	5E-05	--	6E-05	--	1E-04		2	--	2	4
		Exposure Point Total						1E-04					4
	Exposure Medium Total							1E-04					4

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.06	- -	0.06
			1,4-DICHLOROBENZENE	--	2E-09	--	--	2E-09	Liver	- -	0.000001	- -	0.000001
			BENZO(A)PYRENE EQUIVALENTS	--	1E-11	--	--	1E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	7E-11	--	--	7E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	3E-11	--	--	3E-11	NA	- -	0.000003	- -	0.000003
			CADMIUM	--	2E-11	--	--	2E-11	NA	- -	0.000005	- -	0.000005
			COBALT	--	3E-10	--	--	3E-10	Lungs	- -	0.00004	- -	0.00004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00006	- -	0.00006
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000007	- -	0.00000007
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	9E-12	--	--	9E-12	Body Weight	- -	0.000002	- -	0.000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	9E-10	--	--	9E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	3E-09	--	--	3E-09		- -	0.06	- -	0.06
		Exposure Point Total						3E-09					0.06
	Exposure Medium Total							3E-09					0.06
Medium Total								1E-04					4

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.2	- -	0.05	0.2
			1,2,4-TRICHLOROBENZENE	3E-06	--	8E-07	--	4E-06	Adrenals	0.07	- -	0.02	0.08
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	9E-09	--	2E-09	--	1E-08	NA	0.0001	- -	0.00003	0.0002
			BENZO(A)PYRENE EQUIVALENTS	5E-06	--	6E-06	--	1E-05	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000003	- -	0.000004	0.000007
			AROCLOR-1254	3E-06	--	4E-06	--	7E-06	Autoimmune	0.4	- -	0.5	1.0
			AROCLOR-1260	2E-04	--	3E-04	--	5E-04	NA	--	- -	--	--
			ARSENIC	3E-07	--	9E-08	--	4E-07	Skin, CVS	0.005	- -	0.001	0.006
			COBALT	- -	--	- -	--	- -	Blood	0.01	- -	0.001	0.01
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.002	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0006	- -	0.00005	0.0007
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0009	- -	0.001	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.002	- -	0.0002	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	3E-07	--	5E-07	None Reported	0.0001	- -	0.0005	0.0007
			Chemical Total	2E-04	--	3E-04	--	5E-04		0.7	--	0.6	1
		Exposure Point Total						5E-04					1
	Exposure Medium Total							5E-04					1

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.3	- -	0.3
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	8E-08	--	--	8E-08	Liver	- -	0.00005	- -	0.00005
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	4E-10	--	--	4E-10	Respiratory	- -	0.00002	- -	0.00002
			AROCLOR-1254	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-09	--	--	1E-09	NA	- -	--	- -	--
			ARSENIC	--	2E-11	--	--	2E-11	NA	- -	0.000002	- -	0.000002
			COBALT	--	1E-10	--	--	1E-10	Lungs	- -	0.00001	- -	0.00001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00004	- -	0.00004
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000002	- -	0.0000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-10	--	--	4E-10	Lungs	- -	0.00000009	- -	0.00000009
			Chemical Total	--	8E-08	--	--	8E-08		- -	0.3	- -	0.3
		Exposure Point Total						8E-08					0.3
	Exposure Medium Total							8E-08					0.3
Medium Total								5E-04					2
Receptor Total							Receptor Risk Total	6E-04				Receptor HI Total	5

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	0.7
Total Autoimmune HI	5
Total Blood HI	0.05
Total Body Weight HI	0.002
Total CNS HI	0.002
Total CVS HI	0.01
Total GS HI	0.05
Total Kidney HI	0.01
Total Liver HI	0.00006
Total Lungs HI	0.00005
Total None Reported HI	0.002
Total Skin HI	0.01
Total Respiratory HI	0.00002
Total NA HI	0.0002

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -					
			1,2,4-TRICHLOROBENZENE	1E-06	--	2E-07	--	1E-06					
			1,4-DICHLOROBENZENE	7E-10	--	9E-11	--	8E-10					
			BENZO(A)PYRENE EQUIVALENTS	3E-05	--	1E-05	--	4E-05					
			AROCLOR-1254	4E-05	--	2E-05	--	6E-05					
			AROCLOR-1260	1E-04	--	7E-05	--	2E-04					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	2E-06	--	2E-07	--	2E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	2E-06	--	2E-06	--	4E-06					
			Chemical Total	2E-04	--	1E-04	--	3E-04					
		Exposure Point Total						3E-04					
	Exposure Medium Total							3E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,4-DICHLOROBENZENE	--	3E-09	--	--	3E-09					
			BENZO(A)PYRENE EQUIVALENTS	--	3E-11	--	--	3E-11					
			AROCLOR-1254	--	1E-10	--	--	1E-10					
			AROCLOR-1260	--	3E-10	--	--	3E-10					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	5E-11	--	--	5E-11					
			CADMIUM	--	2E-11	--	--	2E-11					
			COBALT	--	5E-10	--	--	5E-10					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	1E-11	--	--	1E-11					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09					
			Chemical Total	--	6E-09	--	--	6E-09					
		Exposure Point Total						6E-09					
	Exposure Medium Total							6E-09					
Medium Total								3E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -					
			1,2,4-TRICHLOROBENZENE	1E-05	--	1E-06	--	1E-05					
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -					
			1,4-DICHLOROBENZENE	3E-08	--	4E-09	--	4E-08					
			BENZO(A)PYRENE EQUIVALENTS	3E-05	--	1E-05	--	5E-05					
			NAPHTHALENE	- -	--	- -	--	- -					
			AROCLOR-1254	1E-05	--	6E-06	--	2E-05					
			AROCLOR-1260	8E-04	--	5E-04	--	1E-03					
			ARSENIC	1E-06	--	2E-07	--	1E-06					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	6E-07	--	9E-07	--	1E-06					
			Chemical Total	9E-04	--	5E-04	--	1E-03					
		Exposure Point Total						1E-03					
	Exposure Medium Total							1E-03					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,3-DICHLOROBENZENE	--	- -	--	--	- -					
			1,4-DICHLOROBENZENE	--	1E-07	--	--	1E-07					
			BENZO(A)PYRENE EQUIVALENTS	--	3E-11	--	--	3E-11					
			NAPHTHALENE	--	6E-10	--	--	6E-10					
			AROCLOR-1254	--	3E-11	--	--	3E-11					
			AROCLOR-1260	--	2E-09	--	--	2E-09					
			ARSENIC	--	3E-11	--	--	3E-11					
			COBALT	--	2E-10	--	--	2E-10					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	7E-10	--	--	7E-10					
			Chemical Total	--	1E-07	--	--	1E-07					
		Exposure Point Total						1E-07					
	Exposure Medium Total							1E-07					
Medium Total								1E-03					
Receptor Total							Receptor Risk Total	2E-03					

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.010	- -	0.004	0.01
			1,2,4-TRICHLOROBENZENE	4E-07	--	2E-07	--	5E-07	Adrenals	0.004	- -	0.002	0.005
			1,4-DICHLOROBENZENE	2E-10	--	9E-11	--	3E-10	NA	0.000002	- -	0.0000006	0.000002
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	3E-06	--	5E-06	NA	--	- -	--	--
			AROCLOR-1254	1E-05	--	2E-05	--	4E-05	Autoimmune	0.9	- -	2	3
			AROCLOR-1260	4E-05	--	7E-05	--	1E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.0005	- -	0.0004	0.0009
			ARSENIC	6E-07	--	2E-07	--	8E-07	Skin, CVS	0.004	- -	0.001	0.005
			CADMIUM	- -	--	- -	--	- -	Kidney	0.001	- -	0.0007	0.002
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.002	0.02
			IRON	- -	--	- -	--	- -	GS	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0006	- -	0.00008	0.0007
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0002	- -	0.0004	0.0006
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00008	- -	0.00001	0.00009
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0003	- -	0.0009	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.002	- -	0.0003	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	6E-07	--	7E-07	None Reported	0.0002	- -	0.001	0.001
			Chemical Total	5E-05	--	1E-04	--	2E-04		0.9	--	2	3
		Exposure Point Total						2E-04					3
	Exposure Medium Total							2E-04					3

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.2	- -	0.2
			1,4-DICHLOROBENZENE	--	1E-08	--	--	1E-08	Liver	- -	0.000005	- -	0.000005
			BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	5E-10	--	--	5E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-09	--	--	2E-09	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	1E-10	--	--	1E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	7E-11	--	--	7E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.2	- -	0.2
		Exposure Point Total						2E-08					0.2
	Exposure Medium Total							2E-08					0.2
Medium Total								2E-04					3

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.1	- -	0.04	0.1
			1,2,4-TRICHLOROBENZENE	4E-06	--	1E-06	--	5E-06	Adrenals	0.04	- -	0.01	0.05
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	1E-08	--	4E-09	--	1E-08	NA	0.00007	- -	0.00003	0.0001
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	4E-06	--	6E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000002	- -	0.000003	0.000005
			AROCLOR-1254	3E-06	--	6E-06	--	1E-05	Autoimmune	0.2	- -	0.4	0.7
			AROCLOR-1260	2E-04	--	5E-04	--	7E-04	NA	--	- -	--	--
			ARSENIC	4E-07	--	2E-07	--	5E-07	Skin, CVS	0.002	- -	0.0010	0.003
			COBALT	- -	--	- -	--	- -	Blood	0.007	- -	0.0009	0.007
			IRON	- -	--	- -	--	- -	GS	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0003	- -	0.00004	0.0004
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0005	- -	0.0009	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.001	- -	0.0002	0.002
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-08	--	2E-07	--	3E-07	None Reported	0.00008	- -	0.0004	0.0005
			Chemical Total	3E-04	--	5E-04	--	7E-04		0.4	--	0.5	0.9
		Exposure Point Total						7E-04					0.9
	Exposure Medium Total							7E-04					0.9

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	1	- -	1
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	7E-07	--	--	7E-07	Liver	- -	0.0002	- -	0.0002
			BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	3E-09	--	--	3E-09	Respiratory	- -	0.00009	- -	0.00009
			AROCLOR-1254	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-08	--	--	1E-08	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.000007	- -	0.000007
			COBALT	--	9E-10	--	--	9E-10	Lungs	- -	0.00005	- -	0.00005
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000007	- -	0.0000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	7E-07	--	--	7E-07		- -	1	- -	1
		Exposure Point Total						7E-07					1
	Exposure Medium Total							7E-07					1
Medium Total								7E-04					2
Receptor Total							Receptor Risk Total	9E-04				Receptor HI Total	5

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	2
Total Autoimmune HI	3
Total Blood HI	0.03
Total Body Weight HI	0.001
Total CNS HI	0.001
Total CVS HI	0.008
Total GS HI	0.03
Total Kidney HI	0.006
Total Liver HI	0.0002
Total Lungs HI	0.0002
Total None Reported HI	0.002
Total Skin HI	0.008
Total Respiratory HI	0.00009
Total NA HI	0.0001

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.2	- -	0.02	0.2
			1,2,4-TRICHLOROBENZENE	2E-06	--	1E-07	--	2E-06	Adrenals	0.07	- -	0.006	0.08
			1,4-DICHLOROBENZENE	1E-09	--	8E-11	--	1E-09	NA	0.00003	- -	0.000003	0.00003
			BENZO(A)PYRENE EQUIVALENTS	5E-05	--	2E-05	--	6E-05	NA	--	- -	--	--
			AROCLOR-1254	6E-05	--	2E-05	--	8E-05	Autoimmune	16	- -	6	23
			AROCLOR-1260	2E-04	--	7E-05	--	2E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.008	- -	0.002	0.01
			ARSENIC	3E-06	--	2E-07	--	3E-06	Skin, CVS	0.07	- -	0.006	0.07
			CADMIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.003	0.03
			COBALT	- -	--	- -	--	- -	Blood	0.4	- -	0.010	0.4
			IRON	- -	--	- -	--	- -	GS	0.2	- -	0.006	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.01	- -	0.0003	0.01
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.004	- -	0.001	0.005
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.002	- -	0.00004	0.002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.005	- -	0.003	0.008
			VANADIUM	- -	--	- -	--	- -	Kidney	0.04	- -	0.001	0.05
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	6E-06	None Reported	0.004	- -	0.004	0.008
			Chemical Total	3E-04	--	1E-04	--	4E-04		17	--	7	24
		Exposure Point Total						4E-04					24
	Exposure Medium Total							4E-04					24

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.2	- -	0.2
			1,4-DICHLOROBENZENE	--	3E-09	--	--	3E-09	Liver	- -	0.000005	- -	0.000005
			BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	4E-10	--	--	4E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	6E-11	--	--	6E-11	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	3E-11	--	--	3E-11	NA	- -	0.00002	- -	0.00002
			COBALT	--	6E-10	--	--	6E-10	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	2E-11	--	--	2E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	8E-09	--	--	8E-09		- -	0.2	- -	0.2
		Exposure Point Total						8E-09					0.2
	Exposure Medium Total							8E-09					0.2
Medium Total								4E-04					24

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	2	- -	0.2	2
			1,2,4-TRICHLOROBENZENE	2E-05	--	1E-06	--	2E-05	Adrenals	0.7	- -	0.06	0.7
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	4E-08	--	4E-09	--	5E-08	NA	0.001	- -	0.0001	0.001
			BENZO(A)PYRENE EQUIVALENTS	5E-05	--	2E-05	--	7E-05	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00003	- -	0.00001	0.00004
			AROCLOR-1254	2E-05	--	6E-06	--	2E-05	Autoimmune	4	- -	2	6
			AROCLOR-1260	1E-03	--	4E-04	--	2E-03	NA	--	- -	--	--
			ARSENIC	2E-06	--	1E-07	--	2E-06	Skin, CVS	0.05	- -	0.004	0.05
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.003	0.1
			IRON	- -	--	- -	--	- -	GS	0.2	- -	0.006	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.006	- -	0.0002	0.006
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.009	- -	0.004	0.01
			VANADIUM	- -	--	- -	--	- -	Kidney	0.03	- -	0.0007	0.03
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	2E-06	None Reported	0.001	- -	0.002	0.003
			Chemical Total	1E-03	--	5E-04	--	2E-03		7	--	2	9
		Exposure Point Total						2E-03					9
	Exposure Medium Total							2E-03					9

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	1	- -	1
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	2E-07	--	--	2E-07	Liver	- -	0.0002	- -	0.0002
			BENZO(A)PYRENE EQUIVALENTS	--	6E-11	--	--	6E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	7E-10	--	--	7E-10	Respiratory	- -	0.00009	- -	0.00009
			AROCLOR-1254	--	3E-11	--	--	3E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-09	--	--	2E-09	NA	- -	--	- -	--
			ARSENIC	--	4E-11	--	--	4E-11	NA	- -	0.000007	- -	0.000007
			COBALT	--	2E-10	--	--	2E-10	Lungs	- -	0.00005	- -	0.00005
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000007	- -	0.0000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	2E-07	--	--	2E-07		- -	1	- -	1
		Exposure Point Total						2E-07					1
	Exposure Medium Total							2E-07					1
Medium Total								2E-03					11
Receptor Total							Receptor Risk Total	2E-03				Receptor HI Total	35

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	4
Total Autoimmune HI	29
Total Blood HI	0.5
Total Body Weight HI	0.009
Total CNS HI	0.02
Total CVS HI	0.1
Total GS HI	0.5
Total Kidney HI	0.10
Total Liver HI	0.0002
Total Lungs HI	0.0002
Total None Reported HI	0.01
Total Skin HI	0.1
Total Respiratory HI	0.00009
Total NA HI	0.002

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.03	- -	0.003	0.04
			1,2,4-TRICHLOROBENZENE	7E-07	--	6E-08	--	7E-07	Adrenals	0.01	- -	0.001	0.01
			1,4-DICHLOROBENZENE	4E-10	--	3E-11	--	4E-10	NA	0.000006	- -	0.0000005	0.000006
			BENZO(A)PYRENE EQUIVALENTS	9E-06	--	3E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1254	2E-05	--	9E-06	--	3E-05	Autoimmune	3	- -	1	4
			AROCLOR-1260	6E-05	--	3E-05	--	9E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.0003	0.002
			ARSENIC	1E-06	--	9E-08	--	1E-06	Skin, CVS	0.01	- -	0.001	0.01
			CADMIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0006	0.005
			COBALT	- -	--	- -	--	- -	Blood	0.07	- -	0.002	0.07
			IRON	- -	--	- -	--	- -	GS	0.04	- -	0.001	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.002	- -	0.00006	0.002
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0007	- -	0.0003	0.0010
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0003	- -	0.000009	0.0003
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0009	- -	0.0007	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.008	- -	0.0002	0.008
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	5E-07	--	6E-07	--	1E-06	None Reported	0.0007	- -	0.0009	0.002
			Chemical Total	1E-04	--	4E-05	--	1E-04		3	--	1	5
		Exposure Point Total						1E-04					5
	Exposure Medium Total							1E-04					5

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.2	- -	0.2
			1,4-DICHLOROBENZENE	--	7E-09	--	--	7E-09	Liver	- -	0.000005	- -	0.000005
			BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	7E-10	--	--	7E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	1E-10	--	--	1E-10	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	6E-11	--	--	6E-11	NA	- -	0.00002	- -	0.00002
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	3E-11	--	--	3E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.2	- -	0.2
		Exposure Point Total						1E-08					0.2
	Exposure Medium Total							1E-08					0.2
Medium Total								1E-04					5

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.4	- -	0.03	0.4
			1,2,4-TRICHLOROBENZENE	6E-06	--	6E-07	--	7E-06	Adrenals	0.1	- -	0.01	0.1
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	2E-08	--	1E-09	--	2E-08	NA	0.0003	- -	0.00002	0.0003
			BENZO(A)PYRENE EQUIVALENTS	1E-05	--	4E-06	--	1E-05	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000006	- -	0.000002	0.000009
			AROCLOR-1254	6E-06	--	2E-06	--	8E-06	Autoimmune	0.8	- -	0.4	1
			AROCLOR-1260	4E-04	--	2E-04	--	6E-04	NA	--	- -	--	--
			ARSENIC	7E-07	--	6E-08	--	7E-07	Skin, CVS	0.009	- -	0.0008	0.009
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.0007	0.02
			IRON	- -	--	- -	--	- -	GS	0.04	- -	0.001	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.001	- -	0.00003	0.001
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.002	- -	0.0007	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0001	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	2E-07	--	4E-07	None Reported	0.0003	- -	0.0003	0.0006
			Chemical Total	4E-04	--	2E-04	--	6E-04		1	--	0.4	2
		Exposure Point Total						6E-04					2
	Exposure Medium Total							6E-04					2

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	1	- -	1
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	3E-07	--	--	3E-07	Liver	- -	0.0002	- -	0.0002
			BENZO(A)PYRENE EQUIVALENTS	--	6E-11	--	--	6E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	1E-09	--	--	1E-09	Respiratory	- -	0.00009	- -	0.00009
			AROCLOR-1254	--	7E-11	--	--	7E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	5E-09	--	--	5E-09	NA	- -	--	- -	--
			ARSENIC	--	8E-11	--	--	8E-11	NA	- -	0.000007	- -	0.000007
			COBALT	--	4E-10	--	--	4E-10	Lungs	- -	0.00005	- -	0.00005
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000007	- -	0.0000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	3E-07	--	--	3E-07		- -	1	- -	1
		Exposure Point Total						3E-07					1
	Exposure Medium Total							3E-07					1
Medium Total								6E-04					3
Receptor Total							Receptor Risk Total	8E-04				Receptor HI Total	8

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	2
Total Autoimmune HI	6
Total Blood HI	0.09
Total Body Weight HI	0.002
Total CNS HI	0.004
Total CVS HI	0.02
Total GS HI	0.09
Total Kidney HI	0.02
Total Liver HI	0.0002
Total Lungs HI	0.0002
Total None Reported HI	0.002
Total Skin HI	0.02
Total Respiratory HI	0.00009
Total NA HI	0.0003

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.02	- -	0.002	0.02
			1,2,4-TRICHLOROBENZENE	4E-07	--	5E-08	--	4E-07	Adrenals	0.008	- -	0.0009	0.009
			1,4-DICHLOROBENZENE	2E-10	--	2E-11	--	2E-10	NA	0.000003	- -	0.0000004	0.000004
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	1E-06	--	3E-06	NA	--	- -	--	--
			AROCLOR-1254	1E-05	--	7E-06	--	2E-05	Autoimmune	2	- -	1.0	3
			AROCLOR-1260	4E-05	--	2E-05	--	6E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.0009	- -	0.0002	0.001
			ARSENIC	6E-07	--	7E-08	--	6E-07	Skin, CVS	0.007	- -	0.0009	0.008
			CADMIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0004	0.003
			COBALT	- -	--	- -	--	- -	Blood	0.04	- -	0.002	0.04
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.0010	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.001	- -	0.00005	0.001
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0004	- -	0.0002	0.0006
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0002	- -	0.000006	0.0002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0005	- -	0.0005	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0002	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	2E-07	--	3E-07	None Reported	0.0004	- -	0.0007	0.001
			Chemical Total	5E-05	--	3E-05	--	8E-05		2	--	1.0	3
		Exposure Point Total						8E-05					3
	Exposure Medium Total							8E-05					3

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.2	- -	0.2
			1,4-DICHLOROBENZENE	--	7E-09	--	--	7E-09	Liver	- -	0.000005	- -	0.000005
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	7E-10	--	--	7E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	1E-10	--	--	1E-10	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	6E-11	--	--	6E-11	NA	- -	0.00002	- -	0.00002
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	3E-11	--	--	3E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.2	- -	0.2
		Exposure Point Total						1E-08					0.2
	Exposure Medium Total							1E-08					0.2
Medium Total								8E-05					3

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.2	- -	0.02	0.2
			1,2,4-TRICHLOROBENZENE	4E-06	--	4E-07	--	4E-06	Adrenals	0.07	- -	0.008	0.08
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	9E-09	--	1E-09	--	1E-08	NA	0.0001	- -	0.00002	0.0002
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	1E-06	--	3E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000004	- -	0.000002	0.000005
			AROCLOR-1254	3E-06	--	2E-06	--	5E-06	Autoimmune	0.5	- -	0.3	0.7
			AROCLOR-1260	2E-04	--	1E-04	--	4E-04	NA	--	- -	--	--
			ARSENIC	4E-07	--	5E-08	--	4E-07	Skin, CVS	0.005	- -	0.0006	0.005
			COBALT	- -	--	- -	--	- -	Blood	0.01	- -	0.0005	0.01
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.0010	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0007	- -	0.00003	0.0007
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0009	- -	0.0005	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0001	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-08	--	7E-08	--	1E-07	None Reported	0.0002	- -	0.0003	0.0004
			Chemical Total	2E-04	--	1E-04	--	4E-04		0.8	--	0.3	1
		Exposure Point Total						4E-04					1
	Exposure Medium Total							4E-04					1

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	1	- -	1
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	3E-07	--	--	3E-07	Liver	- -	0.0002	- -	0.0002
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	1E-09	--	--	1E-09	Respiratory	- -	0.00009	- -	0.00009
			AROCLOR-1254	--	7E-11	--	--	7E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	5E-09	--	--	5E-09	NA	- -	--	- -	--
			ARSENIC	--	8E-11	--	--	8E-11	NA	- -	0.000007	- -	0.000007
			COBALT	--	4E-10	--	--	4E-10	Lungs	- -	0.00005	- -	0.00005
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0001	- -	0.0001
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000007	- -	0.0000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	5E-10	--	--	5E-10	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	3E-07	--	--	3E-07		- -	1	- -	1
		Exposure Point Total						3E-07					1
	Exposure Medium Total							3E-07					1
Medium Total								4E-04					2
Receptor Total							Receptor Risk Total	5E-04				Receptor HI Total	5

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	2
Total Autoimmune HI	3
Total Blood HI	0.05
Total Body Weight HI	0.001
Total CNS HI	0.002
Total CVS HI	0.01
Total GS HI	0.05
Total Kidney HI	0.01
Total Liver HI	0.0002
Total Lungs HI	0.0002
Total None Reported HI	0.002
Total Skin HI	0.01
Total Respiratory HI	0.00009
Total NA HI	0.0002

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -					
			1,2,4-TRICHLOROBENZENE	3E-06	--	3E-07	--	3E-06					
			1,4-DICHLOROBENZENE	2E-09	--	1E-10	--	2E-09					
			BENZO(A)PYRENE EQUIVALENTS	6E-05	--	2E-05	--	8E-05					
			AROCLOR-1254	9E-05	--	4E-05	--	1E-04					
			AROCLOR-1260	3E-04	--	1E-04	--	4E-04					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	4E-06	--	4E-07	--	4E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	3E-06	--	4E-06	--	7E-06					
			Chemical Total	4E-04	--	2E-04	--	6E-04					
		Exposure Point Total						6E-04					
	Exposure Medium Total							6E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,4-DICHLOROBENZENE	--	2E-08	--	--	2E-08					
			BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10					
			AROCLOR-1254	--	6E-10	--	--	6E-10					
			AROCLOR-1260	--	2E-09	--	--	2E-09					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	3E-10	--	--	3E-10					
			CADMIUM	--	1E-10	--	--	1E-10					
			COBALT	--	3E-09	--	--	3E-09					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	9E-11	--	--	9E-11					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	8E-09	--	--	8E-09					
			Chemical Total	--	3E-08	--	--	3E-08					
		Exposure Point Total						3E-08					
	Exposure Medium Total							3E-08					
Medium Total								6E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -					
			1,2,4-TRICHLOROBENZENE	3E-05	--	2E-06	--	3E-05					
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -					
			1,4-DICHLOROBENZENE	7E-08	--	6E-09	--	8E-08					
			BENZO(A)PYRENE EQUIVALENTS	6E-05	--	2E-05	--	9E-05					
			NAPHTHALENE	- -	--	- -	--	- -					
			AROCLOR-1254	2E-05	--	1E-05	--	3E-05					
			AROCLOR-1260	2E-03	--	7E-04	--	3E-03					
			ARSENIC	3E-06	--	3E-07	--	3E-06					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	3E-06					
			Chemical Total	2E-03	--	8E-04	--	3E-03					
		Exposure Point Total						3E-03					
	Exposure Medium Total							3E-03					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,3-DICHLOROBENZENE	--	- -	--	--	- -					
			1,4-DICHLOROBENZENE	--	8E-07	--	--	8E-07					
			BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10					
			NAPHTHALENE	--	4E-09	--	--	4E-09					
			AROCLOR-1254	--	2E-10	--	--	2E-10					
			AROCLOR-1260	--	1E-08	--	--	1E-08					
			ARSENIC	--	2E-10	--	--	2E-10					
			COBALT	--	1E-09	--	--	1E-09					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09					
			Chemical Total	--	8E-07	--	--	8E-07					
		Exposure Point Total						8E-07					
	Exposure Medium Total							8E-07					
Medium Total								3E-03					
Receptor Total							Receptor Risk Total	3E-03					

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.3	- -	0.02	0.3
			1,2,4-TRICHLOROBENZENE	2E-06	--	2E-07	--	3E-06	Adrenals	0.10	- -	0.008	0.1
			1,4-DICHLOROBENZENE	1E-09	--	1E-10	--	1E-09	NA	0.00004	- -	0.000004	0.00005
			BENZO(A)PYRENE EQUIVALENTS	6E-05	--	2E-05	--	9E-05	NA	--	- -	--	--
			AROCLOR-1254	8E-05	--	3E-05	--	1E-04	Autoimmune	23	- -	9	32
			AROCLOR-1260	2E-04	--	9E-05	--	3E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.01	- -	0.002	0.01
			ARSENIC	4E-06	--	3E-07	--	4E-06	Skin, CVS	0.09	- -	0.008	0.1
			CADMIUM	- -	--	- -	--	- -	Kidney	0.03	- -	0.004	0.04
			COBALT	- -	--	- -	--	- -	Blood	0.5	- -	0.01	0.5
			IRON	- -	--	- -	--	- -	GS	0.3	- -	0.009	0.3
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.02	- -	0.0004	0.02
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.005	- -	0.002	0.007
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.002	- -	0.00006	0.002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.007	- -	0.005	0.01
			VANADIUM	- -	--	- -	--	- -	Kidney	0.06	- -	0.002	0.06
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-06	--	4E-06	--	8E-06	None Reported	0.006	- -	0.006	0.01
			Chemical Total	4E-04	--	2E-04	--	5E-04		24	--	9	34
		Exposure Point Total						5E-04					34
	Exposure Medium Total							5E-04					34

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.9	- -	0.9
			1,4-DICHLOROBENZENE	--	1E-08	--	--	1E-08	Liver	- -	0.00002	- -	0.00002
			BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	5E-10	--	--	5E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-09	--	--	2E-09	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00004	- -	0.00004
			CADMIUM	--	1E-10	--	--	1E-10	NA	- -	0.00008	- -	0.00008
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0006	- -	0.0006
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.001	- -	0.001
			MERCURY	--	- -	--	--	- -	NA	- -	0.000001	- -	0.000001
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	7E-11	--	--	7E-11	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.9	- -	0.9
		Exposure Point Total						3E-08					0.9
	Exposure Medium Total							3E-08					0.9
Medium Total								5E-04					34

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	3	- -	0.2	3
			1,2,4-TRICHLOROBENZENE	2E-05	--	2E-06	--	2E-05	Adrenals	0.9	- -	0.08	1
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	6E-08	--	5E-09	--	7E-08	NA	0.002	- -	0.0002	0.002
			BENZO(A)PYRENE EQUIVALENTS	7E-05	--	3E-05	--	1E-04	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00005	- -	0.00002	0.00006
			AROCLOR-1254	2E-05	--	8E-06	--	3E-05	Autoimmune	6	- -	2	9
			AROCLOR-1260	2E-03	--	6E-04	--	2E-03	NA	--	- -	--	--
			ARSENIC	2E-06	--	2E-07	--	3E-06	Skin, CVS	0.06	- -	0.005	0.07
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.005	0.2
			IRON	- -	--	- -	--	- -	GS	0.3	- -	0.009	0.3
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.009	- -	0.0002	0.009
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.01	- -	0.005	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.04	- -	0.0010	0.04
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	2E-06	--	3E-06	None Reported	0.002	- -	0.002	0.004
			Chemical Total	2E-03	--	6E-04	--	2E-03		10	--	3	13
		Exposure Point Total						2E-03					13
	Exposure Medium Total							2E-03					13

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	5	- -	5
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	7E-07	--	--	7E-07	Liver	- -	0.0009	- -	0.0009
			BENZO(A)PYRENE EQUIVALENTS	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			NAPHTHALENE	--	3E-09	--	--	3E-09	Respiratory	- -	0.0004	- -	0.0004
			AROCLOR-1254	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-08	--	--	1E-08	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00003	- -	0.00003
			COBALT	--	9E-10	--	--	9E-10	Lungs	- -	0.0002	- -	0.0002
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0006	- -	0.0006
			MERCURY	--	- -	--	--	- -	NA	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09	Lungs	- -	0.000001	- -	0.000001
			Chemical Total	--	7E-07	--	--	7E-07		- -	5	- -	5
		Exposure Point Total						7E-07					5
	Exposure Medium Total							7E-07					5
Medium Total								2E-03					18
Receptor Total							Receptor Risk Total	3E-03				Receptor HI Total	52

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	10
Total Autoimmune HI	41
Total Blood HI	0.7
Total Body Weight HI	0.01
Total CNS HI	0.03
Total CVS HI	0.2
Total GS HI	0.6
Total Kidney HI	0.1
Total Liver HI	0.0009
Total Lungs HI	0.0008
Total None Reported HI	0.02
Total Skin HI	0.2
Total Respiratory HI	0.0004
Total NA HI	0.002

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.05	- -	0.004	0.05
			1,2,4-TRICHLOROBENZENE	9E-07	--	8E-08	--	1E-06	Adrenals	0.02	- -	0.002	0.02
			1,4-DICHLOROBENZENE	5E-10	--	5E-11	--	6E-10	NA	0.000008	- -	0.0000007	0.000009
			BENZO(A)PYRENE EQUIVALENTS	1E-05	--	5E-06	--	2E-05	NA	--	- -	--	--
			AROCLOR-1254	3E-05	--	1E-05	--	4E-05	Autoimmune	4	- -	2	6
			AROCLOR-1260	9E-05	--	4E-05	--	1E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.0004	0.003
			ARSENIC	1E-06	--	1E-07	--	1E-06	Skin, CVS	0.02	- -	0.002	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.006	- -	0.0008	0.007
			COBALT	- -	--	- -	--	- -	Blood	0.09	- -	0.003	0.10
			IRON	- -	--	- -	--	- -	GS	0.06	- -	0.002	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.003	- -	0.00009	0.003
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0010	- -	0.0004	0.001
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0004	- -	0.00001	0.0004
			NICKEL	- -	--	- -	--	- -	Body Weight	0.001	- -	0.0010	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0003	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	7E-07	--	9E-07	--	2E-06	None Reported	0.001	- -	0.001	0.002
			Chemical Total	1E-04	--	6E-05	--	2E-04		5	--	2	6
		Exposure Point Total						2E-04					6
	Exposure Medium Total							2E-04					6

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.9	- -	0.9
			1,4-DICHLOROBENZENE	--	3E-08	--	--	3E-08	Liver	- -	0.00002	- -	0.00002
			BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	1E-09	--	--	1E-09	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-09	--	--	3E-09	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	5E-10	--	--	5E-10	NA	- -	0.00004	- -	0.00004
			CADMIUM	--	2E-10	--	--	2E-10	NA	- -	0.00008	- -	0.00008
			COBALT	--	5E-09	--	--	5E-09	Lungs	- -	0.0006	- -	0.0006
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.001	- -	0.001
			MERCURY	--	- -	--	--	- -	NA	- -	0.000001	- -	0.000001
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-10	--	--	1E-10	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	5E-08	--	--	5E-08		- -	0.9	- -	0.9
		Exposure Point Total						5E-08					0.9
	Exposure Medium Total							5E-08					0.9
Medium Total								2E-04					7

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.5	- -	0.04	0.5
			1,2,4-TRICHLOROBENZENE	9E-06	--	8E-07	--	9E-06	Adrenals	0.2	- -	0.02	0.2
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	2E-08	--	2E-09	--	3E-08	NA	0.0004	- -	0.00003	0.0004
			BENZO(A)PYRENE EQUIVALENTS	1E-05	--	5E-06	--	2E-05	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000009	- -	0.000003	0.00001
			AROCLOR-1254	8E-06	--	3E-06	--	1E-05	Autoimmune	1	- -	0.5	2
			AROCLOR-1260	6E-04	--	2E-04	--	8E-04	NA	--	- -	--	--
			ARSENIC	9E-07	--	8E-08	--	1E-06	Skin, CVS	0.01	- -	0.001	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.0010	0.03
			IRON	- -	--	- -	--	- -	GS	0.06	- -	0.002	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.002	- -	0.00005	0.002
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.002	- -	0.001	0.003
			VANADIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.0002	0.007
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-07	--	3E-07	--	6E-07	None Reported	0.0004	- -	0.0005	0.0009
			Chemical Total	6E-04	--	3E-04	--	9E-04		2	--	0.6	3
		Exposure Point Total						9E-04					3
	Exposure Medium Total							9E-04					3

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	5	- -	5
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	1E-06	--	--	1E-06	Liver	- -	0.0009	- -	0.0009
			BENZO(A)PYRENE EQUIVALENTS	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			NAPHTHALENE	--	6E-09	--	--	6E-09	Respiratory	- -	0.0004	- -	0.0004
			AROCLOR-1254	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-08	--	--	2E-08	NA	- -	--	- -	--
			ARSENIC	--	3E-10	--	--	3E-10	NA	- -	0.00003	- -	0.00003
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0002	- -	0.0002
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0006	- -	0.0006
			MERCURY	--	- -	--	--	- -	NA	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09	Lungs	- -	0.000001	- -	0.000001
			Chemical Total	--	1E-06	--	--	1E-06		- -	5	- -	5
		Exposure Point Total						1E-06					5
	Exposure Medium Total							1E-06					5
Medium Total								9E-04					7
Receptor Total							Receptor Risk Total	1E-03				Receptor HI Total	15

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	6
Total Autoimmune HI	8
Total Blood HI	0.1
Total Body Weight HI	0.002
Total CNS HI	0.006
Total CVS HI	0.03
Total GS HI	0.1
Total Kidney HI	0.03
Total Liver HI	0.0009
Total Lungs HI	0.0008
Total None Reported HI	0.003
Total Skin HI	0.03
Total Respiratory HI	0.0004
Total NA HI	0.0006

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.03	- -	0.003	0.03
			1,2,4-TRICHLOROBENZENE	5E-07	--	6E-08	--	6E-07	Adrenals	0.01	- -	0.001	0.01
			1,4-DICHLOROBENZENE	3E-10	--	3E-11	--	3E-10	NA	0.000005	- -	0.0000005	0.000005
			BENZO(A)PYRENE EQUIVALENTS	3E-06	--	1E-06	--	4E-06	NA	--	- -	--	--
			AROCLOR-1254	2E-05	--	9E-06	--	3E-05	Autoimmune	2	- -	1	4
			AROCLOR-1260	5E-05	--	3E-05	--	8E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.001	- -	0.0003	0.002
			ARSENIC	8E-07	--	9E-08	--	9E-07	Skin, CVS	0.01	- -	0.001	0.01
			CADMIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0006	0.004
			COBALT	- -	--	- -	--	- -	Blood	0.05	- -	0.002	0.06
			IRON	- -	--	- -	--	- -	GS	0.03	- -	0.001	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.002	- -	0.00007	0.002
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0005	- -	0.0003	0.0009
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0002	- -	0.000009	0.0002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0007	- -	0.0007	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.0003	0.007
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	2E-07	--	4E-07	None Reported	0.0006	- -	0.0009	0.002
			Chemical Total	7E-05	--	4E-05	--	1E-04		3	--	1	4
		Exposure Point Total						1E-04					4
	Exposure Medium Total							1E-04					4

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	0.9	- -	0.9
			1,4-DICHLOROBENZENE	--	3E-08	--	--	3E-08	Liver	- -	0.00002	- -	0.00002
			BENZO(A)PYRENE EQUIVALENTS	--	8E-11	--	--	8E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	1E-09	--	--	1E-09	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-09	--	--	3E-09	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	5E-10	--	--	5E-10	NA	- -	0.00004	- -	0.00004
			CADMIUM	--	2E-10	--	--	2E-10	NA	- -	0.00008	- -	0.00008
			COBALT	--	5E-09	--	--	5E-09	Lungs	- -	0.0006	- -	0.0006
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.001	- -	0.001
			MERCURY	--	- -	--	--	- -	NA	- -	0.000001	- -	0.000001
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-10	--	--	1E-10	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	4E-08	--	--	4E-08		- -	0.9	- -	0.9
		Exposure Point Total						4E-08					0.9
	Exposure Medium Total							4E-08					0.9
Medium Total								1E-04					5

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -	Adrenals	0.3	- -	0.03	0.3
			1,2,4-TRICHLOROBENZENE	5E-06	--	6E-07	--	6E-06	Adrenals	0.10	- -	0.01	0.1
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -	NA	--	- -	--	--
			1,4-DICHLOROBENZENE	1E-08	--	2E-09	--	1E-08	NA	0.0002	- -	0.00002	0.0002
			BENZO(A)PYRENE EQUIVALENTS	3E-06	--	2E-06	--	4E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000005	- -	0.000003	0.000007
			AROCLOR-1254	5E-06	--	3E-06	--	7E-06	Autoimmune	0.7	- -	0.4	1
			AROCLOR-1260	3E-04	--	2E-04	--	5E-04	NA	--	- -	--	--
			ARSENIC	5E-07	--	6E-08	--	6E-07	Skin, CVS	0.007	- -	0.0008	0.008
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.0007	0.02
			IRON	- -	--	- -	--	- -	GS	0.03	- -	0.001	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0009	- -	0.00004	0.0010
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.0008	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0002	0.004
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	6E-08	--	9E-08	--	1E-07	None Reported	0.0002	- -	0.0004	0.0006
			Chemical Total	3E-04	--	2E-04	--	5E-04		1	--	0.4	2
		Exposure Point Total						5E-04					2
	Exposure Medium Total							5E-04					2

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -	Adrenals	- -	5	- -	5
			1,3-DICHLOROBENZENE	--	- -	--	--	- -	NA	- -	--	- -	--
			1,4-DICHLOROBENZENE	--	1E-06	--	--	1E-06	Liver	- -	0.0009	- -	0.0009
			BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			NAPHTHALENE	--	6E-09	--	--	6E-09	Respiratory	- -	0.0004	- -	0.0004
			AROCLOR-1254	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-08	--	--	2E-08	NA	- -	--	- -	--
			ARSENIC	--	3E-10	--	--	3E-10	NA	- -	0.00003	- -	0.00003
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0002	- -	0.0002
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0006	- -	0.0006
			MERCURY	--	- -	--	--	- -	NA	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.000001	- -	0.000001
			Chemical Total	--	1E-06	--	--	1E-06		- -	5	- -	5
		Exposure Point Total						1E-06					5
	Exposure Medium Total							1E-06					5
Medium Total								5E-04					6
Receptor Total							Receptor Risk Total	6E-04				Receptor HI Total	11

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Adrenals HI	6
Total Autoimmune HI	5
Total Blood HI	0.08
Total Body Weight HI	0.002
Total CNS HI	0.004
Total CVS HI	0.02
Total GS HI	0.07
Total Kidney HI	0.02
Total Liver HI	0.0009
Total Lungs HI	0.0008
Total None Reported HI	0.002
Total Skin HI	0.02
Total Respiratory HI	0.0004
Total NA HI	0.0004

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -					
			1,2,4-TRICHLOROBENZENE	4E-06	--	4E-07	--	4E-06					
			1,4-DICHLOROBENZENE	2E-09	--	2E-10	--	2E-09					
			BENZO(A)PYRENE EQUIVALENTS	8E-05	--	3E-05	--	1E-04					
			AROCLOR-1254	1E-04	--	5E-05	--	2E-04					
			AROCLOR-1260	4E-04	--	2E-04	--	5E-04					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	6E-06	--	5E-07	--	6E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	5E-06	--	5E-06	--	1E-05					
			Chemical Total	6E-04	--	2E-04	--	8E-04					
		Exposure Point Total						8E-04					
	Exposure Medium Total							8E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,4-DICHLOROBENZENE	--	7E-08	--	--	7E-08					
			BENZO(A)PYRENE EQUIVALENTS	--	5E-10	--	--	5E-10					
			AROCLOR-1254	--	3E-09	--	--	3E-09					
			AROCLOR-1260	--	8E-09	--	--	8E-09					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	1E-09	--	--	1E-09					
			CADMIUM	--	6E-10	--	--	6E-10					
			COBALT	--	1E-08	--	--	1E-08					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	4E-10	--	--	4E-10					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	4E-08	--	--	4E-08					
			Chemical Total	--	1E-07	--	--	1E-07					
		Exposure Point Total						1E-07					
	Exposure Medium Total							1E-07					
Medium Total								8E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block E	1,2,3-TRICHLOROBENZENE	- -	--	- -	--	- -					
			1,2,4-TRICHLOROBENZENE	4E-05	--	3E-06	--	4E-05					
			1,3-DICHLOROBENZENE	- -	--	- -	--	- -					
			1,4-DICHLOROBENZENE	1E-07	--	9E-09	--	1E-07					
			BENZO(A)PYRENE EQUIVALENTS	9E-05	--	3E-05	--	1E-04					
			NAPHTHALENE	- -	--	- -	--	- -					
			AROCLOR-1254	3E-05	--	1E-05	--	5E-05					
			AROCLOR-1260	2E-03	--	1E-03	--	4E-03					
			ARSENIC	4E-06	--	4E-07	--	4E-06					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	2E-06	--	2E-06	--	4E-06					
			Chemical Total	3E-03	--	1E-03	--	4E-03					
		Exposure Point Total						4E-03					
	Exposure Medium Total							4E-03					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK E - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Air	Block E	1,2,3-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,2,4-TRICHLOROBENZENE	--	- -	--	--	- -					
			1,3-DICHLOROBENZENE	--	- -	--	--	- -					
			1,4-DICHLOROBENZENE	--	3E-06	--	--	3E-06					
			BENZO(A)PYRENE EQUIVALENTS	--	6E-10	--	--	6E-10					
			NAPHTHALENE	--	2E-08	--	--	2E-08					
			AROCLOR-1254	--	7E-10	--	--	7E-10					
			AROCLOR-1260	--	5E-08	--	--	5E-08					
			ARSENIC	--	8E-10	--	--	8E-10					
			COBALT	--	5E-09	--	--	5E-09					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08					
			Chemical Total	--	3E-06	--	--	3E-06					
		Exposure Point Total						3E-06					
	Exposure Medium Total							3E-06					
Medium Total								4E-03					
Receptor Total							Receptor Risk Total	5E-03					

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	3E-06	--	8E-07	--	4E-06	NA	--	- -	--	--
			AROCLOR-1254	1E-08	--	4E-09	--	2E-08	Autoimmune	0.02	- -	0.006	0.03
			AROCLOR-1260	2E-08	--	6E-09	--	3E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.02	- -	0.002	0.02
			ARSENIC	3E-07	--	2E-08	--	3E-07	Skin, CVS	0.05	- -	0.003	0.05
			CADMIUM	- -	--	- -	--	- -	Kidney	0.006	- -	0.0005	0.006
			COBALT	- -	--	- -	--	- -	Thyroid	0.01	--	0.0002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.01	- -	0.004	0.02
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.06	- -	0.001	0.06
			NICKEL	- -	--	- -	--	- -	Body Weight	0.003	- -	0.001	0.004
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0003	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	9E-08	--	7E-08	--	2E-07	None Reported	0.004	- -	0.003	0.008
			Chemical Total	3E-06	--	9E-07	--	4E-06		0.2	--	0.02	0.2
		Exposure Point Total						4E-06					0.2
	Exposure Medium Total							4E-06					0.2
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	2E-08	--	--	2E-08	NA	- -	--	- -	--
			AROCLOR-1254	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	3E-08	--	--	3E-08	NA	- -	0.03	- -	0.03
			CADMIUM	--	5E-09	--	--	5E-09	NA	- -	0.02	- -	0.02
			COBALT	--	1E-07	--	--	1E-07	Lungs	- -	0.2	- -	0.2
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.005	- -	0.005
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	7E-09	--	--	7E-09	Body Weight	- -	0.02	- -	0.02
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	5E-07	--	--	5E-07	Lungs	- -	0.004	- -	0.004
			Chemical Total	--	7E-07	--	--	7E-07		- -	0.3	- -	0.3
		Exposure Point Total						7E-07					0.3
	Exposure Medium Total							7E-07					0.3
Medium Total								5E-06					0.5

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.04	- -	0.010	0.05
			BENZO(A)PYRENE EQUIVALENTS	1E-07	--	3E-08	--	1E-07	NA	--	- -	--	--
			AROCLOR-1260	2E-09	--	7E-10	--	3E-09	NA	--	- -	--	--
			ARSENIC	2E-07	--	1E-08	--	3E-07	Skin, CVS	0.04	- -	0.002	0.04
			COBALT	- -	--	- -	--	- -	Thyroid	0.03	- -	0.0006	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.004	- -	0.001	0.005
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0004	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-08	--	3E-08	--	6E-08	None Reported	0.002	- -	0.001	0.003
			Chemical Total	4E-07	--	7E-08	--	5E-07		0.1	--	0.02	0.1
		Exposure Point Total						5E-07					0.1
	Exposure Medium Total							5E-07					0.1
	Air	Block F	NAPHTHALENE	--	2E-06	--	--	2E-06	Respiratory	- -	1	- -	1
			BENZO(A)PYRENE EQUIVALENTS	--	6E-10	--	--	6E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			ARSENIC	--	2E-08	--	--	2E-08	NA	- -	0.03	- -	0.03
			COBALT	--	4E-07	--	--	4E-07	Lungs	- -	0.5	- -	0.5
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.001	- -	0.001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-07	--	--	2E-07	Lungs	- -	0.002	- -	0.002
			Chemical Total	--	2E-06	--	--	2E-06		- -	2	- -	2
		Exposure Point Total						2E-06					2
	Exposure Medium Total							2E-06					2
Medium Total								3E-06					2
Receptor Total							Receptor Risk Total	8E-06				Receptor HI Total	2

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Construction Worker

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.05
Total Blood HI	0.02
Total Body Weight HI	0.07
Total CVS HI	0.09
Total Kidney HI	0.04
Total Lungs HI	0.7
Total None Reported HI	0.01
Total Skin HI	0.09
Total Respiratory HI	1
Total NA HI	0.08
Total Thyroid HI	0.04

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	8E-06	--	1E-05	--	2E-05	NA	--	- -	--	--
			AROCLOR-1254	3E-08	--	6E-08	--	1E-07	Autoimmune	0.002	- -	0.004	0.007
			AROCLOR-1260	6E-08	--	1E-07	--	2E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.002	0.003
			ARSENIC	8E-07	--	3E-07	--	1E-06	Skin, CVS	0.005	- -	0.002	0.007
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0006	- -	0.0003	0.0009
			COBALT	- -	--	- -	--	- -	Blood	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.003	0.004
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.006	- -	0.0008	0.007
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0003	- -	0.001	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0005	0.004
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	1E-06	--	1E-06	None Reported	0.0004	- -	0.002	0.003
			Chemical Total	9E-06	--	2E-05	--	2E-05		0.03	--	0.02	0.05
		Exposure Point Total						2E-05					0.05
	Exposure Medium Total							2E-05					0.05
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	1E-12	--	--	1E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	3E-10	--	--	3E-10	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	5E-11	--	--	5E-11	NA	- -	0.000008	- -	0.000008
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.00008	- -	0.00008
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	8E-11	--	--	8E-11	Body Weight	- -	0.000010	- -	0.000010
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09	Lungs	- -	0.000002	- -	0.000002
			Chemical Total	--	8E-09	--	--	8E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						8E-09					0.0001
	Exposure Medium Total							8E-09					0.0001
Medium Total								2E-05					0.05

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.004	- -	0.007	0.01
			BENZO(A)PYRENE EQUIVALENTS	3E-07	--	5E-07	--	8E-07	NA	--	- -	--	--
			AROCLOR-1260	6E-09	--	1E-08	--	2E-08	NA	--	- -	--	--
			ARSENIC	6E-07	--	2E-07	--	9E-07	Skin, CVS	0.004	- -	0.002	0.005
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.004	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0004	- -	0.0008	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0005	0.004
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	9E-08	--	5E-07	--	5E-07	None Reported	0.0002	- -	0.0008	0.001
			Chemical Total	1E-06	--	1E-06	--	2E-06		0.04	--	0.01	0.06
		Exposure Point Total						2E-06					0.06
	Exposure Medium Total							2E-06					0.06
	Air	Block F	NAPHTHALENE	--	7E-06	--	--	7E-06	Respiratory	- -	0.2	- -	0.2
			BENZO(A)PYRENE EQUIVALENTS	--	6E-12	--	--	6E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			ARSENIC	--	3E-10	--	--	3E-10	NA	- -	0.00001	- -	0.00001
			COBALT	--	4E-09	--	--	4E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000007	- -	0.0000007
			Chemical Total	--	7E-06	--	--	7E-06		- -	0.2	- -	0.2
		Exposure Point Total						7E-06					0.2
	Exposure Medium Total							7E-06					0.2
Medium Total								9E-06					0.2
Receptor Total							Receptor Risk Total	3E-05				Receptor HI Total	0.3

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Industrial Worker

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.01
Total Blood HI	0.05
Total Body Weight HI	0.01
Total CVS HI	0.01
Total Kidney HI	0.009
Total Lungs HI	0.0003
Total None Reported HI	0.004
Total Skin HI	0.01
Total Respiratory HI	0.2
Total NA HI	0.00004

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	1E-04	--	3E-05	--	1E-04	NA	--	- -	--	--
			AROCLOR-1254	8E-08	--	3E-08	--	1E-07	Autoimmune	0.02	- -	0.008	0.03
			AROCLOR-1260	1E-07	--	4E-08	--	2E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			ARSENIC	2E-06	--	1E-07	--	2E-06	Skin, CVS	0.05	- -	0.004	0.05
			CADMIUM	- -	--	- -	--	- -	Kidney	0.006	- -	0.0005	0.006
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.003	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.01	- -	0.005	0.02
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.06	- -	0.001	0.06
			NICKEL	- -	--	- -	--	- -	Body Weight	0.003	- -	0.002	0.005
			VANADIUM	- -	--	- -	--	- -	Kidney	0.03	- -	0.0008	0.03
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	6E-06	None Reported	0.004	- -	0.004	0.008
			Chemical Total	1E-04	--	3E-05	--	1E-04		0.3	--	0.03	0.4
		Exposure Point Total						1E-04					0.4
	Exposure Medium Total							1E-04					0.4
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	6E-11	--	--	6E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	9E-14	--	--	9E-14	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-13	--	--	1E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-11	--	--	2E-11	NA	- -	0.000004	- -	0.000004
			CADMIUM	--	3E-12	--	--	3E-12	NA	- -	0.000002	- -	0.000002
			COBALT	--	1E-10	--	--	1E-10	Lungs	- -	0.00002	- -	0.00002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000005	- -	0.0000005
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	5E-12	--	--	5E-12	Body Weight	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000005	- -	0.0000005
			Chemical Total	--	2E-09	--	--	2E-09		- -	0.00003	- -	0.00003
		Exposure Point Total						2E-09					0.00003
	Exposure Medium Total							2E-09					0.00003
Medium Total								1E-04					0.4

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.04	- -	0.01	0.05
			BENZO(A)PYRENE EQUIVALENTS	4E-06	--	1E-06	--	5E-06	NA	--	- -	--	--
			AROCLOR-1260	1E-08	--	5E-09	--	2E-08	NA	--	- -	--	--
			ARSENIC	1E-06	--	1E-07	--	2E-06	Skin, CVS	0.04	- -	0.003	0.04
			COBALT	- -	--	- -	--	- -	Blood	0.3	- -	0.007	0.3
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.004	- -	0.001	0.006
			VANADIUM	- -	--	- -	--	- -	Kidney	0.04	- -	0.0009	0.04
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	2E-06	None Reported	0.002	- -	0.001	0.003
			Chemical Total	6E-06	--	2E-06	--	8E-06		0.4	--	0.03	0.4
		Exposure Point Total						8E-06					0.4
	Exposure Medium Total							8E-06					0.4
	Air	Block F	NAPHTHALENE	--	4E-07	--	--	4E-07	Respiratory	- -	0.05	- -	0.05
			BENZO(A)PYRENE EQUIVALENTS	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-14	--	--	2E-14	NA	- -	--	- -	--
			ARSENIC	--	2E-11	--	--	2E-11	NA	- -	0.000003	- -	0.000003
			COBALT	--	3E-10	--	--	3E-10	Lungs	- -	0.00006	- -	0.00006
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000002	- -	0.0000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	7E-10	--	--	7E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	4E-07	--	--	4E-07		- -	0.05	- -	0.05
		Exposure Point Total						4E-07					0.05
	Exposure Medium Total							4E-07					0.05
Medium Total								9E-06					0.5
Receptor Total							Receptor Risk Total	1E-04				Receptor HI Total	0.9

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.06
Total Blood HI	0.4
Total Body Weight HI	0.05
Total CVS HI	0.09
Total Kidney HI	0.08
Total Lungs HI	0.00008
Total None Reported HI	0.01
Total Skin HI	0.09
Total Respiratory HI	0.05
Total NA HI	0.00001

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	2E-05	--	2E-05	--	4E-05	NA	--	- -	--	--
			AROCLOR-1254	3E-08	--	4E-08	--	7E-08	Autoimmune	0.004	- -	0.005	0.010
			AROCLOR-1260	5E-08	--	6E-08	--	1E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.003	- -	0.002	0.005
			ARSENIC	7E-07	--	2E-07	--	9E-07	Skin, CVS	0.009	- -	0.002	0.01
			CADMIUM	- -	--	- -	--	- -	Kidney	0.001	- -	0.0004	0.001
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.002	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.003	- -	0.003	0.006
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.01	- -	0.0010	0.01
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0006	- -	0.001	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.006	- -	0.0005	0.007
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	6E-07	--	2E-06	--	2E-06	None Reported	0.0008	- -	0.003	0.004
			Chemical Total	2E-05	--	2E-05	--	4E-05		0.06	--	0.02	0.08
		Exposure Point Total						4E-05					0.08
	Exposure Medium Total							4E-05					0.08
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	6E-11	--	--	6E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-13	--	--	3E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-11	--	--	4E-11	NA	- -	0.000004	- -	0.000004
			CADMIUM	--	7E-12	--	--	7E-12	NA	- -	0.000002	- -	0.000002
			COBALT	--	2E-10	--	--	2E-10	Lungs	- -	0.00002	- -	0.00002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000005	- -	0.0000005
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-11	--	--	1E-11	Body Weight	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000005	- -	0.0000005
			Chemical Total	--	2E-09	--	--	2E-09		- -	0.00003	- -	0.00003
		Exposure Point Total						2E-09					0.00003
	Exposure Medium Total							2E-09					0.00003
Medium Total								4E-05					0.08

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.007	- -	0.008	0.02
			BENZO(A)PYRENE EQUIVALENTS	7E-07	--	7E-07	--	1E-06	NA	--	- -	--	--
			AROCLOR-1260	5E-09	--	6E-09	--	1E-08	NA	--	- -	--	--
			ARSENIC	6E-07	--	1E-07	--	7E-07	Skin, CVS	0.007	- -	0.002	0.009
			COBALT	- -	--	- -	--	- -	Blood	0.06	- -	0.005	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0008	- -	0.001	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.0006	0.008
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	7E-07	--	9E-07	None Reported	0.0003	- -	0.001	0.001
			Chemical Total	1E-06	--	2E-06	--	3E-06		0.08	--	0.02	0.10
		Exposure Point Total						3E-06					0.10
	Exposure Medium Total							3E-06					0.10
	Air	Block F	NAPHTHALENE	--	9E-07	--	--	9E-07	Respiratory	- -	0.05	- -	0.05
			BENZO(A)PYRENE EQUIVALENTS	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-14	--	--	3E-14	NA	- -	--	- -	--
			ARSENIC	--	3E-11	--	--	3E-11	NA	- -	0.000003	- -	0.000003
			COBALT	--	5E-10	--	--	5E-10	Lungs	- -	0.00006	- -	0.00006
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000002	- -	0.0000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	7E-10	--	--	7E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	9E-07	--	--	9E-07		- -	0.05	- -	0.05
		Exposure Point Total						9E-07					0.05
	Exposure Medium Total							9E-07					0.05
Medium Total								4E-06					0.1
Receptor Total							Receptor Risk Total	5E-05				Receptor HI Total	0.2

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.02
Total Blood HI	0.09
Total Body Weight HI	0.02
Total CVS HI	0.02
Total Kidney HI	0.02
Total Lungs HI	0.00008
Total None Reported HI	0.005
Total Skin HI	0.02
Total Respiratory HI	0.05
Total NA HI	0.00001

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	1E-04	--	5E-05	--	2E-04					
			AROCLOR-1254	1E-07	--	6E-08	--	2E-07					
			AROCLOR-1260	2E-07	--	1E-07	--	3E-07					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	3E-06	--	3E-07	--	3E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	4E-06	--	5E-06	--	8E-06					
			Chemical Total	1E-04	--	6E-05	--	2E-04					
		Exposure Point Total						2E-04					
	Exposure Medium Total							2E-04					
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10					
			AROCLOR-1254	--	3E-13	--	--	3E-13					
			AROCLOR-1260	--	4E-13	--	--	4E-13					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	6E-11	--	--	6E-11					
			CADMIUM	--	1E-11	--	--	1E-11					
			COBALT	--	3E-10	--	--	3E-10					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	2E-11	--	--	2E-11					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09					
			Chemical Total	--	4E-09	--	--	4E-09					
		Exposure Point Total						4E-09					
	Exposure Medium Total							4E-09					
Medium Total								2E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	4E-06	--	2E-06	--	6E-06					
			AROCLOR-1260	2E-08	--	1E-08	--	3E-08					
			ARSENIC	2E-06	--	2E-07	--	2E-06					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	1E-06	--	2E-06	--	3E-06					
			Chemical Total	8E-06	--	4E-06	--	1E-05					
		Exposure Point Total						1E-05					
	Exposure Medium Total							1E-05					
	Air	Block F	NAPHTHALENE	--	1E-06	--	--	1E-06					
			BENZO(A)PYRENE EQUIVALENTS	--	4E-12	--	--	4E-12					
			AROCLOR-1260	--	5E-14	--	--	5E-14					
			ARSENIC	--	5E-11	--	--	5E-11					
			COBALT	--	8E-10	--	--	8E-10					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09					
			Chemical Total	--	1E-06	--	--	1E-06					
		Exposure Point Total						1E-06					
	Exposure Medium Total							1E-06					
Medium Total								1E-05					
Receptor Total							Receptor Risk Total	2E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	8E-06	--	1E-05	--	2E-05	NA	--	- -	--	--
			AROCLOR-1254	3E-08	--	6E-08	--	1E-07	Autoimmune	0.002	- -	0.004	0.007
			AROCLOR-1260	6E-08	--	1E-07	--	2E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.002	0.003
			ARSENIC	8E-07	--	3E-07	--	1E-06	Skin, CVS	0.005	- -	0.002	0.007
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0006	- -	0.0003	0.0009
			COBALT	- -	--	- -	--	- -	Blood	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.003	0.004
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.006	- -	0.0008	0.007
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0003	- -	0.001	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0005	0.004
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	1E-06	--	1E-06	None Reported	0.0004	- -	0.002	0.003
			Chemical Total	9E-06	--	2E-05	--	2E-05		0.03	--	0.02	0.05
		Exposure Point Total						2E-05					0.05
	Exposure Medium Total							2E-05					0.05
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	1E-12	--	--	1E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	3E-10	--	--	3E-10	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	5E-11	--	--	5E-11	NA	- -	0.000008	- -	0.000008
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.00008	- -	0.00008
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	8E-11	--	--	8E-11	Body Weight	- -	0.000010	- -	0.000010
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09	Lungs	- -	0.000002	- -	0.000002
			Chemical Total	--	8E-09	--	--	8E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						8E-09					0.0001
	Exposure Medium Total							8E-09					0.0001
Medium Total								2E-05					0.05

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.004	- -	0.007	0.01
			BENZO(A)PYRENE EQUIVALENTS	3E-07	--	5E-07	--	8E-07	NA	--	- -	--	--
			AROCLOR-1260	6E-09	--	1E-08	--	2E-08	NA	--	- -	--	--
			ARSENIC	6E-07	--	2E-07	--	9E-07	Skin, CVS	0.004	- -	0.002	0.005
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.004	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0004	- -	0.0008	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0005	0.004
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	9E-08	--	5E-07	--	5E-07	None Reported	0.0002	- -	0.0008	0.001
			Chemical Total	1E-06	--	1E-06	--	2E-06		0.04	--	0.01	0.06
		Exposure Point Total						2E-06					0.06
	Exposure Medium Total							2E-06					0.06
	Air	Block F	NAPHTHALENE	--	7E-06	--	--	7E-06	Respiratory	- -	0.2	- -	0.2
			BENZO(A)PYRENE EQUIVALENTS	--	6E-12	--	--	6E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			ARSENIC	--	3E-10	--	--	3E-10	NA	- -	0.00001	- -	0.00001
			COBALT	--	4E-09	--	--	4E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000007	- -	0.0000007
			Chemical Total	--	7E-06	--	--	7E-06		- -	0.2	- -	0.2
		Exposure Point Total						7E-06					0.2
	Exposure Medium Total							7E-06					0.2
Medium Total								9E-06					0.2
Receptor Total							Receptor Risk Total	3E-05				Receptor HI Total	0.3

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.01
Total Blood HI	0.05
Total Body Weight HI	0.01
Total CVS HI	0.01
Total Kidney HI	0.009
Total Lungs HI	0.0003
Total None Reported HI	0.004
Total Skin HI	0.01
Total Respiratory HI	0.2
Total NA HI	0.00004

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	2E-04	--	7E-05	--	3E-04	NA	--	- -	--	--
			AROCLOR-1254	2E-07	--	6E-08	--	2E-07	Autoimmune	0.04	- -	0.02	0.06
			AROCLOR-1260	3E-07	--	1E-07	--	3E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.03	- -	0.006	0.04
			ARSENIC	4E-06	--	3E-07	--	4E-06	Skin, CVS	0.09	- -	0.008	0.1
			CADMIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.001	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.006	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.03	- -	0.01	0.04
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.1	- -	0.003	0.1
			NICKEL	- -	--	- -	--	- -	Body Weight	0.006	- -	0.004	0.010
			VANADIUM	- -	--	- -	--	- -	Kidney	0.06	- -	0.002	0.07
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	6E-06	--	6E-06	--	1E-05	None Reported	0.008	- -	0.009	0.02
			Chemical Total	2E-04	--	7E-05	--	3E-04		0.6	--	0.07	0.7
		Exposure Point Total						3E-04					0.7
	Exposure Medium Total							3E-04					0.7
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	3E-13	--	--	3E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	6E-13	--	--	6E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	8E-11	--	--	8E-11	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	1E-11	--	--	1E-11	NA	- -	0.000008	- -	0.000008
			COBALT	--	4E-10	--	--	4E-10	Lungs	- -	0.00008	- -	0.00008
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	2E-11	--	--	2E-11	Body Weight	- -	0.000010	- -	0.000010
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	7E-09	--	--	7E-09	Lungs	- -	0.000002	- -	0.000002
			Chemical Total	--	8E-09	--	--	8E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						8E-09					0.0001
	Exposure Medium Total							8E-09					0.0001
Medium Total								3E-04					0.7

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.07	- -	0.03	0.10
			BENZO(A)PYRENE EQUIVALENTS	7E-06	--	2E-06	--	9E-06	NA	--	- -	--	--
			AROCLOR-1260	3E-08	--	1E-08	--	4E-08	NA	--	- -	--	--
			ARSENIC	3E-06	--	2E-07	--	3E-06	Skin, CVS	0.07	- -	0.006	0.08
			COBALT	- -	--	- -	--	- -	Blood	0.6	- -	0.02	0.6
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.008	- -	0.003	0.01
			VANADIUM	- -	--	- -	--	- -	Kidney	0.07	- -	0.002	0.07
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-06	--	2E-06	--	4E-06	None Reported	0.003	- -	0.003	0.006
			Chemical Total	1E-05	--	5E-06	--	2E-05		0.8	--	0.06	0.9
		Exposure Point Total						2E-05					0.9
		Exposure Medium Total						2E-05					0.9
	Air	Block F	NAPHTHALENE	--	2E-06	--	--	2E-06	Respiratory	- -	0.2	- -	0.2
			BENZO(A)PYRENE EQUIVALENTS	--	8E-12	--	--	8E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	6E-14	--	--	6E-14	NA	- -	--	- -	--
			ARSENIC	--	6E-11	--	--	6E-11	NA	- -	0.00001	- -	0.00001
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000007	- -	0.0000007
			Chemical Total	--	2E-06	--	--	2E-06		- -	0.2	- -	0.2
		Exposure Point Total						2E-06					0.2
		Exposure Medium Total						2E-06					0.2
Medium Total								2E-05					1
Receptor Total							Receptor Risk Total	3E-04				Receptor HI Total	2

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.1
Total Blood HI	0.8
Total Body Weight HI	0.1
Total CVS HI	0.2
Total Kidney HI	0.2
Total Lungs HI	0.0003
Total None Reported HI	0.02
Total Skin HI	0.2
Total Respiratory HI	0.2
Total NA HI	0.00004

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	3E-05	--	1E-05	--	5E-05	NA	--	- -	--	--
			AROCLOR-1254	6E-08	--	2E-08	--	8E-08	Autoimmune	0.008	- -	0.003	0.01
			AROCLOR-1260	9E-08	--	4E-08	--	1E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.006	- -	0.001	0.007
			ARSENIC	1E-06	--	1E-07	--	1E-06	Skin, CVS	0.02	- -	0.002	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.002	- -	0.0002	0.002
			COBALT	- -	--	- -	--	- -	Blood	0.04	- -	0.001	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.005	- -	0.002	0.007
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.02	- -	0.0007	0.02
			NICKEL	- -	--	- -	--	- -	Body Weight	0.001	- -	0.0008	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0004	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	2E-06	None Reported	0.002	- -	0.002	0.003
			Chemical Total	4E-05	--	2E-05	--	5E-05		0.1	--	0.01	0.1
		Exposure Point Total						5E-05					0.1
	Exposure Medium Total							5E-05					0.1
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	7E-13	--	--	7E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-12	--	--	1E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	3E-11	--	--	3E-11	NA	- -	0.000008	- -	0.000008
			COBALT	--	8E-10	--	--	8E-10	Lungs	- -	0.00008	- -	0.00008
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	4E-11	--	--	4E-11	Body Weight	- -	0.000010	- -	0.000010
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	7E-09	--	--	7E-09	Lungs	- -	0.000002	- -	0.000002
			Chemical Total	--	9E-09	--	--	9E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						9E-09					0.0001
	Exposure Medium Total							9E-09					0.0001
Medium Total								5E-05					0.1

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.01	- -	0.005	0.02
			BENZO(A)PYRENE EQUIVALENTS	1E-06	--	5E-07	--	2E-06	NA	--	- -	--	--
			AROCLOR-1260	1E-08	--	4E-09	--	1E-08	NA	--	- -	--	--
			ARSENIC	1E-06	--	1E-07	--	1E-06	Skin, CVS	0.01	- -	0.001	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.003	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.002	- -	0.0007	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0004	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-07	--	5E-07	--	8E-07	None Reported	0.0006	- -	0.0007	0.001
			Chemical Total	3E-06	--	1E-06	--	4E-06		0.1	--	0.01	0.2
		Exposure Point Total						4E-06					0.2
	Exposure Medium Total							4E-06					0.2
	Air	Block F	NAPHTHALENE	--	3E-06	--	--	3E-06	Respiratory	- -	0.2	- -	0.2
			BENZO(A)PYRENE EQUIVALENTS	--	8E-12	--	--	8E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-13	--	--	1E-13	NA	- -	--	- -	--
			ARSENIC	--	1E-10	--	--	1E-10	NA	- -	0.00001	- -	0.00001
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000007	- -	0.0000007
			Chemical Total	--	3E-06	--	--	3E-06		- -	0.2	- -	0.2
		Exposure Point Total						3E-06					0.2
	Exposure Medium Total							3E-06					0.2
Medium Total								7E-06					0.4
Receptor Total							Receptor Risk Total	6E-05				Receptor HI Total	0.5

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.02
Total Blood HI	0.2
Total Body Weight HI	0.02
Total CVS HI	0.03
Total Kidney HI	0.03
Total Lungs HI	0.0003
Total None Reported HI	0.005
Total Skin HI	0.03
Total Respiratory HI	0.2
Total NA HI	0.00004

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	7E-06	--	4E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1254	3E-08	--	2E-08	--	5E-08	Autoimmune	0.005	- -	0.003	0.007
			AROCLOR-1260	5E-08	--	3E-08	--	8E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.003	- -	0.0009	0.004
			ARSENIC	8E-07	--	9E-08	--	9E-07	Skin, CVS	0.01	- -	0.001	0.01
			CADMIUM	- -	--	- -	--	- -	Kidney	0.001	- -	0.0002	0.001
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.0009	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.003	- -	0.002	0.004
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.01	- -	0.0005	0.01
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0006	- -	0.0006	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.0003	0.007
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	4E-07	--	6E-07	None Reported	0.0009	- -	0.001	0.002
			Chemical Total	9E-06	--	4E-06	--	1E-05		0.07	--	0.01	0.08
		Exposure Point Total						1E-05					0.08
	Exposure Medium Total							1E-05					0.08
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	8E-11	--	--	8E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	7E-13	--	--	7E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-12	--	--	1E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00001	- -	0.00001
			CADMIUM	--	3E-11	--	--	3E-11	NA	- -	0.000008	- -	0.000008
			COBALT	--	8E-10	--	--	8E-10	Lungs	- -	0.00008	- -	0.00008
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	4E-11	--	--	4E-11	Body Weight	- -	0.000010	- -	0.000010
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.000002	- -	0.000002
			Chemical Total	--	4E-09	--	--	4E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						4E-09					0.0001
	Exposure Medium Total							4E-09					0.0001
Medium Total								1E-05					0.08

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.008	- -	0.004	0.01
			BENZO(A)PYRENE EQUIVALENTS	3E-07	--	1E-07	--	4E-07	NA	--	- -	--	--
			AROCLOR-1260	6E-09	--	3E-09	--	9E-09	NA	--	- -	--	--
			ARSENIC	6E-07	--	7E-08	--	7E-07	Skin, CVS	0.008	- -	0.0009	0.009
			COBALT	- -	--	- -	--	- -	Blood	0.06	- -	0.002	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0009	- -	0.0005	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.008	- -	0.0003	0.008
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	8E-08	--	1E-07	--	2E-07	None Reported	0.0003	- -	0.0005	0.0008
			Chemical Total	1E-06	--	3E-07	--	1E-06		0.09	--	0.009	0.09
		Exposure Point Total						1E-06					0.09
	Exposure Medium Total							1E-06					0.09
	Air	Block F	NAPHTHALENE	--	3E-06	--	--	3E-06	Respiratory	- -	0.2	- -	0.2
			BENZO(A)PYRENE EQUIVALENTS	--	3E-12	--	--	3E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-13	--	--	1E-13	NA	- -	--	- -	--
			ARSENIC	--	1E-10	--	--	1E-10	NA	- -	0.00001	- -	0.00001
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000006	- -	0.0000006
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000007	- -	0.0000007
			Chemical Total	--	3E-06	--	--	3E-06		- -	0.2	- -	0.2
		Exposure Point Total						3E-06					0.2
	Exposure Medium Total							3E-06					0.2
Medium Total								5E-06					0.3
Receptor Total							Receptor Risk Total	2E-05				Receptor HI Total	0.4

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.01
Total Blood HI	0.09
Total Body Weight HI	0.01
Total CVS HI	0.02
Total Kidney HI	0.02
Total Lungs HI	0.0003
Total None Reported HI	0.003
Total Skin HI	0.02
Total Respiratory HI	0.2
Total NA HI	0.00004

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	2E-04	--	9E-05	--	3E-04					
			AROCLOR-1254	2E-07	--	1E-07	--	3E-07					
			AROCLOR-1260	4E-07	--	2E-07	--	6E-07					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	6E-06	--	5E-07	--	6E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	7E-06	--	8E-06	--	1E-05					
			Chemical Total	2E-04	--	9E-05	--	3E-04					
		Exposure Point Total						3E-04					
	Exposure Medium Total							3E-04					
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	5E-10	--	--	5E-10					
			AROCLOR-1254	--	2E-12	--	--	2E-12					
			AROCLOR-1260	--	3E-12	--	--	3E-12					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	4E-10	--	--	4E-10					
			CADMIUM	--	7E-11	--	--	7E-11					
			COBALT	--	2E-09	--	--	2E-09					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	1E-10	--	--	1E-10					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	2E-08	--	--	2E-08					
			Chemical Total	--	2E-08	--	--	2E-08					
		Exposure Point Total						2E-08					
	Exposure Medium Total							2E-08					
Medium Total								3E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	8E-06	--	3E-06	--	1E-05					
			AROCLOR-1260	4E-08	--	2E-08	--	6E-08					
			ARSENIC	4E-06	--	4E-07	--	5E-06					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	5E-06					
			Chemical Total	2E-05	--	6E-06	--	2E-05					
		Exposure Point Total						2E-05					
	Exposure Medium Total							2E-05					
	Air	Block F	NAPHTHALENE	--	8E-06	--	--	8E-06					
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11					
			AROCLOR-1260	--	3E-13	--	--	3E-13					
			ARSENIC	--	3E-10	--	--	3E-10					
			COBALT	--	5E-09	--	--	5E-09					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09					
			Chemical Total	--	8E-06	--	--	8E-06					
		Exposure Point Total						8E-06					
	Exposure Medium Total							8E-06					
Medium Total								3E-05					
Receptor Total							Receptor Risk Total	4E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	3E-04	--	9E-05	--	4E-04	NA	--	- -	--	--
			AROCLOR-1254	2E-07	--	8E-08	--	3E-07	Autoimmune	0.06	- -	0.02	0.09
			AROCLOR-1260	4E-07	--	1E-07	--	5E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.04	- -	0.008	0.05
			ARSENIC	5E-06	--	4E-07	--	6E-06	Skin, CVS	0.1	- -	0.01	0.1
			CADMIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.002	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.3	- -	0.008	0.3
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.04	- -	0.01	0.05
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.2	- -	0.005	0.2
			NICKEL	- -	--	- -	--	- -	Body Weight	0.008	- -	0.006	0.01
			VANADIUM	- -	--	- -	--	- -	Kidney	0.09	- -	0.003	0.09
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	8E-06	--	9E-06	--	2E-05	None Reported	0.01	- -	0.01	0.02
			Chemical Total	3E-04	--	1E-04	--	4E-04		0.9	--	0.09	1.0
		Exposure Point Total						4E-04					1.0
	Exposure Medium Total							4E-04					1.0
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	9E-10	--	--	9E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	1E-12	--	--	1E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	3E-10	--	--	3E-10	NA	- -	0.00006	- -	0.00006
			CADMIUM	--	5E-11	--	--	5E-11	NA	- -	0.00004	- -	0.00004
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0003	- -	0.0003
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000009	- -	0.000009
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	8E-11	--	--	8E-11	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-08	--	--	3E-08	Lungs	- -	0.000008	- -	0.000008
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.0005	- -	0.0005
		Exposure Point Total						3E-08					0.0005
	Exposure Medium Total							3E-08					0.0005
Medium Total								4E-04					1.0

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.1	- -	0.04	0.1
			BENZO(A)PYRENE EQUIVALENTS	9E-06	--	3E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1260	4E-08	--	1E-08	--	5E-08	NA	--	- -	--	--
			ARSENIC	4E-06	--	3E-07	--	4E-06	Skin, CVS	0.1	- -	0.009	0.1
			COBALT	- -	--	- -	--	- -	Blood	0.8	- -	0.02	0.8
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.01	- -	0.005	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.1	- -	0.003	0.1
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	6E-06	None Reported	0.004	- -	0.005	0.009
			Chemical Total	2E-05	--	7E-06	--	2E-05		1	--	0.08	1
		Exposure Point Total						2E-05					1
	Exposure Medium Total							2E-05					1
	Air	Block F	NAPHTHALENE	--	7E-06	--	--	7E-06	Respiratory	- -	0.8	- -	0.8
			BENZO(A)PYRENE EQUIVALENTS	--	3E-11	--	--	3E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			ARSENIC	--	3E-10	--	--	3E-10	NA	- -	0.00005	- -	0.00005
			COBALT	--	4E-09	--	--	4E-09	Lungs	- -	0.0009	- -	0.0009
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	7E-06	--	--	7E-06		- -	0.8	- -	0.8
		Exposure Point Total						7E-06					0.8
	Exposure Medium Total							7E-06					0.8
Medium Total								3E-05					2
Receptor Total							Receptor Risk Total	4E-04				Receptor HI Total	3

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future

Receptor Population: Resident

Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.2
Total Blood HI	1
Total Body Weight HI	0.2
Total CVS HI	0.3
Total Kidney HI	0.2
Total Lungs HI	0.001
Total None Reported HI	0.03
Total Skin HI	0.3
Total Respiratory HI	0.8
Total NA HI	0.0002

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	5E-05	--	2E-05	--	7E-05	NA	--	- -	--	--
			AROCLOR-1254	8E-08	--	3E-08	--	1E-07	Autoimmune	0.01	- -	0.005	0.02
			AROCLOR-1260	1E-07	--	6E-08	--	2E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.008	- -	0.002	0.01
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.02	- -	0.002	0.03
			CADMIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0003	0.003
			COBALT	- -	--	- -	--	- -	Blood	0.06	- -	0.002	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.007	- -	0.003	0.010
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.03	- -	0.0009	0.03
			NICKEL	- -	--	- -	--	- -	Body Weight	0.001	- -	0.001	0.003
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0005	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	2E-06	--	3E-06	None Reported	0.002	- -	0.003	0.005
			Chemical Total	5E-05	--	2E-05	--	7E-05		0.2	--	0.02	0.2
		Exposure Point Total						7E-05					0.2
	Exposure Medium Total							7E-05					0.2
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	9E-10	--	--	9E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	3E-12	--	--	3E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	5E-12	--	--	5E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	7E-10	--	--	7E-10	NA	- -	0.00006	- -	0.00006
			CADMIUM	--	1E-10	--	--	1E-10	NA	- -	0.00004	- -	0.00004
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0003	- -	0.0003
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000009	- -	0.000009
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	2E-10	--	--	2E-10	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-08	--	--	3E-08	Lungs	- -	0.000008	- -	0.000008
			Chemical Total	--	4E-08	--	--	4E-08		- -	0.0005	- -	0.0005
		Exposure Point Total						4E-08					0.0005
	Exposure Medium Total							4E-08					0.0005
Medium Total								7E-05					0.2

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.02	- -	0.007	0.03
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	7E-07	--	2E-06	NA	--	- -	--	--
			AROCLOR-1260	1E-08	--	6E-09	--	2E-08	NA	--	- -	--	--
			ARSENIC	1E-06	--	1E-07	--	2E-06	Skin, CVS	0.02	- -	0.002	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.005	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.002	- -	0.0009	0.003
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0006	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	5E-07	--	6E-07	--	1E-06	None Reported	0.0008	- -	0.0009	0.002
			Chemical Total	4E-06	--	1E-06	--	5E-06		0.2	--	0.02	0.2
		Exposure Point Total						5E-06					0.2
	Exposure Medium Total							5E-06					0.2
	Air	Block F	NAPHTHALENE	--	1E-05	--	--	1E-05	Respiratory	- -	0.8	- -	0.8
			BENZO(A)PYRENE EQUIVALENTS	--	3E-11	--	--	3E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	5E-13	--	--	5E-13	NA	- -	--	- -	--
			ARSENIC	--	5E-10	--	--	5E-10	NA	- -	0.00005	- -	0.00005
			COBALT	--	9E-09	--	--	9E-09	Lungs	- -	0.0009	- -	0.0009
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	1E-05	--	--	1E-05		- -	0.8	- -	0.8
		Exposure Point Total						1E-05					0.8
	Exposure Medium Total							1E-05					0.8
Medium Total								2E-05					1
Receptor Total							Receptor Risk Total	9E-05				Receptor HI Total	1

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.03
Total Blood HI	0.2
Total Body Weight HI	0.03
Total CVS HI	0.05
Total Kidney HI	0.04
Total Lungs HI	0.001
Total None Reported HI	0.006
Total Skin HI	0.05
Total Respiratory HI	0.8
Total NA HI	0.0002

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	1E-05	--	5E-06	--	2E-05	NA	--	- -	--	--
			AROCLOR-1254	5E-08	--	3E-08	--	7E-08	Autoimmune	0.007	- -	0.004	0.01
			AROCLOR-1260	8E-08	--	4E-08	--	1E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.005	- -	0.001	0.006
			ARSENIC	1E-06	--	1E-07	--	1E-06	Skin, CVS	0.01	- -	0.002	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.002	- -	0.0003	0.002
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.001	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.004	- -	0.002	0.006
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.02	- -	0.0007	0.02
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0008	- -	0.0008	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.010	- -	0.0004	0.010
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-07	--	5E-07	--	8E-07	None Reported	0.001	- -	0.002	0.003
			Chemical Total	1E-05	--	6E-06	--	2E-05		0.09	--	0.01	0.1
		Exposure Point Total						2E-05					0.1
	Exposure Medium Total							2E-05					0.1
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	3E-12	--	--	3E-12	NA	- -	--	- -	--
			AROCLOR-1260	--	5E-12	--	--	5E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	7E-10	--	--	7E-10	NA	- -	0.00006	- -	0.00006
			CADMIUM	--	1E-10	--	--	1E-10	NA	- -	0.00004	- -	0.00004
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0003	- -	0.0003
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000009	- -	0.000009
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	2E-10	--	--	2E-10	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000008	- -	0.000008
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.0005	- -	0.0005
		Exposure Point Total						2E-08					0.0005
	Exposure Medium Total							2E-08					0.0005
Medium Total								2E-05					0.1

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.01	- -	0.006	0.02
			BENZO(A)PYRENE EQUIVALENTS	4E-07	--	2E-07	--	6E-07	NA	--	- -	--	--
			AROCLOR-1260	8E-09	--	4E-09	--	1E-08	NA	--	- -	--	--
			ARSENIC	8E-07	--	1E-07	--	9E-07	Skin, CVS	0.01	- -	0.001	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.09	- -	0.003	0.09
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.0007	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0004	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	2E-07	--	3E-07	None Reported	0.0004	- -	0.0007	0.001
			Chemical Total	1E-06	--	5E-07	--	2E-06		0.1	--	0.01	0.1
		Exposure Point Total						2E-06					0.1
	Exposure Medium Total							2E-06					0.1
	Air	Block F	NAPHTHALENE	--	1E-05	--	--	1E-05	Respiratory	- -	0.8	- -	0.8
			BENZO(A)PYRENE EQUIVALENTS	--	1E-11	--	--	1E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	5E-13	--	--	5E-13	NA	- -	--	- -	--
			ARSENIC	--	5E-10	--	--	5E-10	NA	- -	0.00005	- -	0.00005
			COBALT	--	9E-09	--	--	9E-09	Lungs	- -	0.0009	- -	0.0009
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000003	- -	0.000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	1E-05	--	--	1E-05		- -	0.8	- -	0.8
		Exposure Point Total						1E-05					0.8
	Exposure Medium Total							1E-05					0.8
Medium Total								2E-05					0.9
Receptor Total							Receptor Risk Total	3E-05				Receptor HI Total	1

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.02
Total Blood HI	0.1
Total Body Weight HI	0.02
Total CVS HI	0.03
Total Kidney HI	0.02
Total Lungs HI	0.001
Total None Reported HI	0.004
Total Skin HI	0.03
Total Respiratory HI	0.8
Total NA HI	0.0002

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block F	BENZO(A)PYRENE EQUIVALENTS	3E-04	--	1E-04	--	4E-04					
			AROCLOR-1254	3E-07	--	1E-07	--	5E-07					
			AROCLOR-1260	6E-07	--	2E-07	--	8E-07					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	8E-06	--	7E-07	--	9E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	1E-05	--	1E-05	--	2E-05					
			Chemical Total	3E-04	--	1E-04	--	5E-04					
		Exposure Point Total						5E-04					
	Exposure Medium Total							5E-04					
	Air	Block F	BENZO(A)PYRENE EQUIVALENTS	--	2E-09	--	--	2E-09					
			AROCLOR-1254	--	7E-12	--	--	7E-12					
			AROCLOR-1260	--	1E-11	--	--	1E-11					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	2E-09	--	--	2E-09					
			CADMIUM	--	3E-10	--	--	3E-10					
			COBALT	--	8E-09	--	--	8E-09					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	4E-10	--	--	4E-10					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	7E-08	--	--	7E-08					
			Chemical Total	--	9E-08	--	--	9E-08					
		Exposure Point Total						9E-08					
	Exposure Medium Total							9E-08					
Medium Total								5E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block F	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	1E-05	--	4E-06	--	2E-05					
			AROCLOR-1260	6E-08	--	2E-08	--	8E-08					
			ARSENIC	6E-06	--	6E-07	--	7E-06					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	4E-06	--	4E-06	--	8E-06					
			Chemical Total	2E-05	--	9E-06	--	3E-05					
		Exposure Point Total						3E-05					
	Exposure Medium Total							3E-05					
	Air	Block F	NAPHTHALENE	--	3E-05	--	--	3E-05					
			BENZO(A)PYRENE EQUIVALENTS	--	8E-11	--	--	8E-11					
			AROCLOR-1260	--	1E-12	--	--	1E-12					
			ARSENIC	--	1E-09	--	--	1E-09					
			COBALT	--	2E-08	--	--	2E-08					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	3E-08	--	--	3E-08					
			Chemical Total	--	3E-05	--	--	3E-05					
		Exposure Point Total						3E-05					
	Exposure Medium Total							3E-05					
Medium Total								7E-05					
Receptor Total							Receptor Risk Total	5E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK F - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	2E-06	--	5E-07	--	2E-06	NA	--	- -	--	--
			AROCLOR-1254	2E-09	--	5E-10	--	2E-09	Autoimmune	0.003	- -	0.0008	0.004
			AROCLOR-1260	3E-08	--	1E-08	--	4E-08	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			ARSENIC	8E-07	--	5E-08	--	8E-07	Skin, CVS	0.1	- -	0.008	0.1
			CADMIUM	- -	--	- -	--	- -	Kidney	0.07	- -	0.005	0.07
			COBALT	- -	--	- -	--	- -	Thyroid	0.06	- -	0.001	0.07
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.03	- -	0.008	0.04
			NICKEL	- -	--	- -	--	- -	Body Weight	0.04	- -	0.02	0.06
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0003	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-08	--	4E-08	--	8E-08	None Reported	0.002	- -	0.002	0.004
			Chemical Total	3E-06	--	6E-07	--	3E-06		0.4	--	0.05	0.4
		Exposure Point Total						3E-06					0.4
	Exposure Medium Total							3E-06					0.4
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	9E-09	--	--	9E-09	NA	- -	--	- -	--
			AROCLOR-1254	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	8E-08	--	--	8E-08	NA	- -	0.08	- -	0.08
			CADMIUM	--	6E-08	--	--	6E-08	NA	- -	0.2	- -	0.2
			COBALT	--	8E-07	--	--	8E-07	Lungs	- -	1	- -	1
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.010	- -	0.010
			NICKEL	--	1E-07	--	--	1E-07	Body Weight	- -	0.3	- -	0.3
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-07	--	--	2E-07	Lungs	- -	0.002	- -	0.002
			Chemical Total	--	1E-06	--	--	1E-06		- -	2	- -	2
		Exposure Point Total						1E-06					2
	Exposure Medium Total							1E-06					2
Medium Total								5E-06					2

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00001	- -	0.000004	0.00002
			BENZO(A)PYRENE EQUIVALENTS	6E-07	--	2E-07	--	8E-07	NA	--	- -	--	--
			AROCLOR-1260	2E-09	--	5E-10	--	2E-09	NA	--	- -	--	--
			ARSENIC	4E-07	--	2E-08	--	4E-07	Skin, CVS	0.06	- -	0.003	0.06
			COBALT	- -	--	- -	--	- -	Thyroid	0.05	- -	0.0010	0.05
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.002	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.004	- -	0.00008	0.004
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0002	- -	0.00006	0.0003
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0004	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-08	--	3E-08	--	7E-08	None Reported	0.002	- -	0.001	0.003
			Chemical Total	1E-06	--	2E-07	--	1E-06		0.2	--	0.009	0.3
		Exposure Point Total						1E-06					0.3
	Exposure Medium Total							1E-06					0.3
	Air	Block G	NAPHTHALENE	--	7E-10	--	--	7E-10	Respiratory	- -	0.0005	- -	0.0005
			BENZO(A)PYRENE EQUIVALENTS	--	3E-09	--	--	3E-09	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			ARSENIC	--	4E-08	--	--	4E-08	NA	- -	0.04	- -	0.04
			COBALT	--	6E-07	--	--	6E-07	Lungs	- -	0.8	- -	0.8
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.4	- -	0.4
			MERCURY	--	- -	--	--	- -	NA	- -	0.00007	- -	0.00007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-07	--	--	2E-07	Lungs	- -	0.002	- -	0.002
			Chemical Total	--	9E-07	--	--	9E-07		- -	1	- -	1
		Exposure Point Total						9E-07					1
	Exposure Medium Total							9E-07					1
Medium Total								2E-06					2
Receptor Total							Receptor Risk Total	7E-06				Receptor HI Total	4

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Construction Worker

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.04
Total Blood HI	0.02
Total Body Weight HI	0.3
Total CNS HI	0.4
Total CVS HI	0.2
Total GS HI	0.1
Total Kidney HI	0.1
Total Lungs HI	2
Total None Reported HI	0.007
Total Skin HI	0.2
Total Respiratory HI	0.0005
Total NA HI	0.4
Total Thyroid HI	0.1

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	5E-06	--	8E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1254	4E-09	--	8E-09	--	1E-08	Autoimmune	0.0003	- -	0.0005	0.0008
			AROCLOR-1260	9E-08	--	2E-07	--	3E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.002	0.004
			ARSENIC	2E-06	--	8E-07	--	3E-06	Skin, CVS	0.01	- -	0.005	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.004	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.07	- -	0.009	0.08
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.003	- -	0.006	0.008
			NICKEL	- -	--	- -	--	- -	Body Weight	0.004	- -	0.01	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0004	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	6E-07	--	7E-07	None Reported	0.0002	- -	0.001	0.001
			Chemical Total	7E-06	--	1E-05	--	2E-05		0.10	--	0.04	0.1
		Exposure Point Total						2E-05					0.1
	Exposure Medium Total							2E-05					0.1
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	4E-12	--	--	4E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	9E-10	--	--	9E-10	NA	- -	0.00004	- -	0.00004
			CADMIUM	--	6E-10	--	--	6E-10	NA	- -	0.00010	- -	0.00010
			COBALT	--	9E-09	--	--	9E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000004	- -	0.000004
			NICKEL	--	1E-09	--	--	1E-09	Body Weight	- -	0.0001	- -	0.0001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.0008	- -	0.0008
		Exposure Point Total						1E-08					0.0008
	Exposure Medium Total							1E-08					0.0008
Medium Total								2E-05					0.1

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000002	- -	0.000003	0.000004
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	3E-06	--	5E-06	NA	--	- -	--	--
			AROCLOR-1260	5E-09	--	9E-09	--	1E-08	NA	--	- -	--	--
			ARSENIC	9E-07	--	4E-07	--	1E-06	Skin, CVS	0.006	- -	0.002	0.008
			COBALT	- -	--	- -	--	- -	Blood	0.05	- -	0.007	0.06
			IRON	- -	--	- -	--	- -	GS	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0004	- -	0.00006	0.0005
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00002	- -	0.00004	0.00007
			VANADIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0006	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	5E-07	--	6E-07	None Reported	0.0002	- -	0.0009	0.001
			Chemical Total	3E-06	--	4E-06	--	6E-06		0.07	--	0.01	0.09
		Exposure Point Total						6E-06					0.09
	Exposure Medium Total							6E-06					0.09
	Air	Block G	NAPHTHALENE	--	3E-09	--	--	3E-09	Respiratory	- -	0.00007	- -	0.00007
			BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	7E-09	--	--	7E-09	Lungs	- -	0.0004	- -	0.0004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000003	- -	0.00000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.0006	- -	0.0006
		Exposure Point Total						1E-08					0.0006
	Exposure Medium Total							1E-08					0.0006
Medium Total								6E-06					0.09
Receptor Total							Receptor Risk Total	2E-05				Receptor HI Total	0.2

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.009
Total Blood HI	0.1
Total Body Weight HI	0.02
Total CNS HI	0.0007
Total CVS HI	0.03
Total GS HI	0.01
Total Kidney HI	0.02
Total Lungs HI	0.0009
Total None Reported HI	0.002
Total Skin HI	0.03
Total Respiratory HI	0.00007
Total NA HI	0.0002

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	6E-05	--	2E-05	--	8E-05	NA	--	- -	--	--
			AROCLOR-1254	1E-08	--	3E-09	--	1E-08	Autoimmune	0.003	- -	0.0010	0.004
			AROCLOR-1260	2E-07	--	7E-08	--	3E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			ARSENIC	5E-06	--	3E-07	--	5E-06	Skin, CVS	0.1	- -	0.009	0.1
			CADMIUM	- -	--	- -	--	- -	Kidney	0.07	- -	0.006	0.07
			COBALT	- -	--	- -	--	- -	Blood	0.7	- -	0.02	0.7
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.03	- -	0.010	0.04
			NICKEL	- -	--	- -	--	- -	Body Weight	0.04	- -	0.02	0.06
			VANADIUM	- -	--	- -	--	- -	Kidney	0.03	- -	0.0007	0.03
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	3E-06	None Reported	0.002	- -	0.002	0.004
			Chemical Total	7E-05	--	2E-05	--	9E-05		1.0	--	0.07	1
		Exposure Point Total						9E-05					1
	Exposure Medium Total							9E-05					1
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	3E-11	--	--	3E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	1E-14	--	--	1E-14	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	5E-11	--	--	5E-11	NA	- -	0.000010	- -	0.000010
			CADMIUM	--	4E-11	--	--	4E-11	NA	- -	0.00003	- -	0.00003
			COBALT	--	6E-10	--	--	6E-10	Lungs	- -	0.0001	- -	0.0001
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000001	- -	0.000001
			NICKEL	--	7E-11	--	--	7E-11	Body Weight	- -	0.00003	- -	0.00003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	9E-10	--	--	9E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	2E-09	--	--	2E-09		- -	0.0002	- -	0.0002
		Exposure Point Total						2E-09					0.0002
	Exposure Medium Total							2E-09					0.0002
Medium Total								9E-05					1

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00002	- -	0.000005	0.00002
			BENZO(A)PYRENE EQUIVALENTS	2E-05	--	6E-06	--	3E-05	NA	--	- -	--	--
			AROCLOR-1260	1E-08	--	4E-09	--	2E-08	NA	--	- -	--	--
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.06	- -	0.004	0.06
			COBALT	- -	--	- -	--	- -	Blood	0.5	- -	0.01	0.5
			IRON	- -	--	- -	--	- -	GS	0.1	- -	0.003	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.004	- -	0.00010	0.004
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0002	- -	0.00008	0.0003
			VANADIUM	- -	--	- -	--	- -	Kidney	0.04	- -	0.001	0.05
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	2E-06	None Reported	0.002	- -	0.002	0.003
			Chemical Total	2E-05	--	8E-06	--	3E-05		0.7	--	0.02	0.7
		Exposure Point Total						3E-05					0.7
	Exposure Medium Total							3E-05					0.7
	Air	Block G	NAPHTHALENE	--	2E-10	--	--	2E-10	Respiratory	- -	0.00002	- -	0.00002
			BENZO(A)PYRENE EQUIVALENTS	--	1E-11	--	--	1E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-14	--	--	1E-14	NA	- -	--	- -	--
			ARSENIC	--	2E-11	--	--	2E-11	NA	- -	0.000004	- -	0.000004
			COBALT	--	4E-10	--	--	4E-10	Lungs	- -	0.00010	- -	0.00010
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00005	- -	0.00005
			MERCURY	--	- -	--	--	- -	NA	- -	8.70831E-09	- -	8.70831E-09
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	8E-10	--	--	8E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	1E-09	--	--	1E-09		- -	0.0002	- -	0.0002
		Exposure Point Total						1E-09					0.0002
	Exposure Medium Total							1E-09					0.0002
Medium Total								3E-05					0.7
Receptor Total							Receptor Risk Total	1E-04				Receptor HI Total	2

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.04
Total Blood HI	1
Total Body Weight HI	0.06
Total CNS HI	0.004
Total CVS HI	0.2
Total GS HI	0.1
Total Kidney HI	0.2
Total Lungs HI	0.0002
Total None Reported HI	0.007
Total Skin HI	0.2
Total Respiratory HI	0.00002
Total NA HI	0.00004

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	1E-05	--	1E-05	--	2E-05	NA	--	- -	--	--
			AROCLOR-1254	4E-09	--	4E-09	--	8E-09	Autoimmune	0.0005	- -	0.0007	0.001
			AROCLOR-1260	8E-08	--	1E-07	--	2E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.004	- -	0.002	0.006
			ARSENIC	2E-06	--	5E-07	--	2E-06	Skin, CVS	0.02	- -	0.006	0.03
			CADMIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.004	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.01	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.005	- -	0.007	0.01
			NICKEL	- -	--	- -	--	- -	Body Weight	0.007	- -	0.02	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.006	- -	0.0005	0.006
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-07	--	9E-07	--	1E-06	None Reported	0.0004	- -	0.001	0.002
			Chemical Total	1E-05	--	1E-05	--	3E-05		0.2	--	0.05	0.2
		Exposure Point Total						3E-05					0.2
	Exposure Medium Total							3E-05					0.2
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	3E-11	--	--	3E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	2E-14	--	--	2E-14	NA	- -	--	- -	--
			AROCLOR-1260	--	5E-13	--	--	5E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	1E-10	--	--	1E-10	NA	- -	0.000010	- -	0.000010
			CADMIUM	--	8E-11	--	--	8E-11	NA	- -	0.00003	- -	0.00003
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000001	- -	0.000001
			NICKEL	--	1E-10	--	--	1E-10	Body Weight	- -	0.00003	- -	0.00003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	9E-10	--	--	9E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	2E-09	--	--	2E-09		- -	0.0002	- -	0.0002
		Exposure Point Total						2E-09					0.0002
	Exposure Medium Total							2E-09					0.0002
Medium Total								3E-05					0.2

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000003	- -	0.000003	0.000006
			BENZO(A)PYRENE EQUIVALENTS	4E-06	--	4E-06	--	8E-06	NA	--	- -	--	--
			AROCLOR-1260	4E-09	--	5E-09	--	1E-08	NA	--	- -	--	--
			ARSENIC	8E-07	--	2E-07	--	1E-06	Skin, CVS	0.01	- -	0.003	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.09	- -	0.008	0.1
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.002	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0008	- -	0.00007	0.0009
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00004	- -	0.00005	0.00009
			VANADIUM	- -	--	- -	--	- -	Kidney	0.008	- -	0.0007	0.009
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	8E-07	--	1E-06	None Reported	0.0003	- -	0.001	0.001
			Chemical Total	5E-06	--	5E-06	--	1E-05		0.1	--	0.01	0.2
		Exposure Point Total						1E-05					0.2
	Exposure Medium Total							1E-05					0.2
	Air	Block G	NAPHTHALENE	--	3E-10	--	--	3E-10	Respiratory	- -	0.00002	- -	0.00002
			BENZO(A)PYRENE EQUIVALENTS	--	1E-11	--	--	1E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	3E-14	--	--	3E-14	NA	- -	--	- -	--
			ARSENIC	--	5E-11	--	--	5E-11	NA	- -	0.000004	- -	0.000004
			COBALT	--	9E-10	--	--	9E-10	Lungs	- -	0.00010	- -	0.00010
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.00005	- -	0.00005
			MERCURY	--	- -	--	--	- -	NA	- -	8.70831E-09	- -	8.70831E-09
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	8E-10	--	--	8E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	2E-09	--	--	2E-09		- -	0.0002	- -	0.0002
		Exposure Point Total						2E-09					0.0002
	Exposure Medium Total							2E-09					0.0002
Medium Total								1E-05					0.2
Receptor Total							Receptor Risk Total	4E-05				Receptor HI Total	0.4

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.01
Total Blood HI	0.2
Total Body Weight HI	0.02
Total CNS HI	0.0009
Total CVS HI	0.04
Total GS HI	0.02
Total Kidney HI	0.03
Total Lungs HI	0.0002
Total None Reported HI	0.003
Total Skin HI	0.04
Total Respiratory HI	0.00002
Total NA HI	0.00004

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	7E-05	--	3E-05	--	1E-04					
			AROCLOR-1254	1E-08	--	8E-09	--	2E-08					
			AROCLOR-1260	3E-07	--	2E-07	--	5E-07					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	7E-06	--	8E-07	--	8E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	2E-06	--	2E-06	--	4E-06					
			Chemical Total	8E-05	--	3E-05	--	1E-04					
		Exposure Point Total						1E-04					
	Exposure Medium Total							1E-04					
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	7E-11	--	--	7E-11					
			AROCLOR-1254	--	3E-14	--	--	3E-14					
			AROCLOR-1260	--	7E-13	--	--	7E-13					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	2E-10	--	--	2E-10					
			CADMIUM	--	1E-10	--	--	1E-10					
			COBALT	--	2E-09	--	--	2E-09					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			NICKEL	--	2E-10	--	--	2E-10					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09					
			Chemical Total	--	4E-09	--	--	4E-09					
		Exposure Point Total						4E-09					
	Exposure Medium Total							4E-09					
Medium Total								1E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	2E-05	--	1E-05	--	4E-05					
			AROCLOR-1260	2E-08	--	9E-09	--	2E-08					
			ARSENIC	3E-06	--	4E-07	--	3E-06					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	1E-06	--	2E-06	--	3E-06					
			Chemical Total	3E-05	--	1E-05	--	4E-05					
		Exposure Point Total						4E-05					
	Exposure Medium Total							4E-05					
	Air	Block G	NAPHTHALENE	--	5E-10	--	--	5E-10					
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11					
			AROCLOR-1260	--	4E-14	--	--	4E-14					
			ARSENIC	--	7E-11	--	--	7E-11					
			COBALT	--	1E-09	--	--	1E-09					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09					
			Chemical Total	--	4E-09	--	--	4E-09					
		Exposure Point Total						4E-09					
	Exposure Medium Total							4E-09					
Medium Total								4E-05					
Receptor Total							Receptor Risk Total	2E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENT	5E-06	--	8E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1254	4E-09	--	8E-09	--	1E-08	Autoimmune	0.0003	- -	0.0005	0.0008
			AROCLOR-1260	9E-08	--	2E-07	--	3E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.002	0.004
			ARSENIC	2E-06	--	8E-07	--	3E-06	Skin, CVS	0.01	- -	0.005	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.004	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.07	- -	0.009	0.08
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.003	- -	0.006	0.008
			NICKEL	- -	--	- -	--	- -	Body Weight	0.004	- -	0.01	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0004	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	6E-07	--	7E-07	None Reported	0.0002	- -	0.001	0.001
			Chemical Total	7E-06	--	1E-05	--	2E-05		0.10	--	0.04	0.1
		Exposure Point Total						2E-05					0.1
	Exposure Medium Total							2E-05					0.1
	Air	Block G	BENZO(A)PYRENE EQUIVALENT	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	4E-12	--	--	4E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	9E-10	--	--	9E-10	NA	- -	0.00004	- -	0.00004
			CADMIUM	--	6E-10	--	--	6E-10	NA	- -	0.00010	- -	0.00010
			COBALT	--	9E-09	--	--	9E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000004	- -	0.000004
			NICKEL	--	1E-09	--	--	1E-09	Body Weight	- -	0.0001	- -	0.0001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.0008	- -	0.0008
		Exposure Point Total						1E-08					0.0008
	Exposure Medium Total							1E-08					0.0008
Medium Total								2E-05					0.1

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000002	- -	0.000003	0.000004
			BENZO(A)PYRENE EQUIVALENT	2E-06	--	3E-06	--	5E-06	NA	--	- -	--	--
			AROCLOR-1260	5E-09	--	9E-09	--	1E-08	NA	--	- -	--	--
			ARSENIC	9E-07	--	4E-07	--	1E-06	Skin, CVS	0.006	- -	0.002	0.008
			COBALT	- -	--	- -	--	- -	Blood	0.05	- -	0.007	0.06
			IRON	- -	--	- -	--	- -	GS	0.01	- -	0.002	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0004	- -	0.00006	0.0005
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00002	- -	0.00004	0.00007
			VANADIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0006	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	5E-07	--	6E-07	None Reported	0.0002	- -	0.0009	0.001
			Chemical Total	3E-06	--	4E-06	--	6E-06		0.07	--	0.01	0.09
		Exposure Point Total						6E-06					0.09
	Exposure Medium Total							6E-06					0.09
	Air	Block G	NAPHTHALENE	--	3E-09	--	--	3E-09	Respiratory	- -	0.00007	- -	0.00007
			BENZO(A)PYRENE EQUIVALENT	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	7E-09	--	--	7E-09	Lungs	- -	0.0004	- -	0.0004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000003	- -	0.00000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.0006	- -	0.0006
		Exposure Point Total						1E-08					0.0006
	Exposure Medium Total							1E-08					0.0006
Medium Total								6E-06					0.09
Receptor Total							Receptor Risk Total	2E-05				Receptor HI Total	0.2

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.009
Total Blood HI	0.1
Total Body Weight HI	0.02
Total CNS HI	0.0007
Total CVS HI	0.03
Total GS HI	0.01
Total Kidney HI	0.02
Total Lungs HI	0.0009
Total None Reported HI	0.002
Total Skin HI	0.03
Total Respiratory HI	0.00007
Total NA HI	0.0002

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALE	1E-04	--	4E-05	--	2E-04	NA	--	- -	--	--
			AROCLOR-1254	2E-08	--	7E-09	--	3E-08	Autoimmune	0.005	- -	0.002	0.008
			AROCLOR-1260	4E-07	--	2E-07	--	6E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.04	- -	0.007	0.05
			ARSENIC	9E-06	--	8E-07	--	1E-05	Skin, CVS	0.2	- -	0.02	0.3
			CADMIUM	- -	--	- -	--	- -	Kidney	0.1	- -	0.01	0.1
			COBALT	- -	--	- -	--	- -	Blood	1	- -	0.04	1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.05	- -	0.02	0.08
			NICKEL	- -	--	- -	--	- -	Body Weight	0.07	- -	0.05	0.1
			VANADIUM	- -	--	- -	--	- -	Kidney	0.06	- -	0.002	0.06
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANIC	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	6E-06	None Reported	0.004	- -	0.004	0.008
			Chemical Total	1E-04	--	5E-05	--	2E-04		2	--	0.2	2
		Exposure Point Total						2E-04					2
	Exposure Medium Total							2E-04					2
	Air	Block G	BENZO(A)PYRENE EQUIVALE	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	4E-14	--	--	4E-14	NA	- -	--	- -	--
			AROCLOR-1260	--	9E-13	--	--	9E-13	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00004	- -	0.00004
			CADMIUM	--	2E-10	--	--	2E-10	NA	- -	0.00010	- -	0.00010
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000004	- -	0.000004
			NICKEL	--	3E-10	--	--	3E-10	Body Weight	- -	0.0001	- -	0.0001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANIC	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	7E-09	--	--	7E-09		- -	0.0008	- -	0.0008
		Exposure Point Total						7E-09					0.0008
	Exposure Medium Total							7E-09					0.0008
Medium Total								2E-04					2

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00003	- -	0.00001	0.00004
			BENZO(A)PYRENE EQUIVALE	4E-05	--	1E-05	--	5E-05	NA	--	- -	--	--
			AROCLOR-1260	2E-08	--	9E-09	--	3E-08	NA	--	- -	--	--
			ARSENIC	4E-06	--	4E-07	--	5E-06	Skin, CVS	0.1	- -	0.009	0.1
			COBALT	- -	--	- -	--	- -	Blood	0.9	- -	0.03	1.0
			IRON	- -	--	- -	--	- -	GS	0.2	- -	0.006	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.008	- -	0.0002	0.008
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0004	- -	0.0002	0.0006
			VANADIUM	- -	--	- -	--	- -	Kidney	0.08	- -	0.002	0.09
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANIC	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-06	--	3E-06	--	5E-06	None Reported	0.003	- -	0.004	0.007
			Chemical Total	5E-05	--	2E-05	--	6E-05		1	--	0.05	1
		Exposure Point Total						6E-05					1
	Exposure Medium Total							6E-05					1
	Air	Block G	NAPHTHALENE	--	7E-10	--	--	7E-10	Respiratory	- -	0.00007	- -	0.00007
			BENZO(A)PYRENE EQUIVALE	--	5E-11	--	--	5E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	5E-14	--	--	5E-14	NA	- -	--	- -	--
			ARSENIC	--	9E-11	--	--	9E-11	NA	- -	0.00002	- -	0.00002
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0004	- -	0.0004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000003	- -	0.00000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANIC	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	5E-09	--	--	5E-09		- -	0.0006	- -	0.0006
		Exposure Point Total						5E-09					0.0006
	Exposure Medium Total							5E-09					0.0006
Medium Total								6E-05					1
Receptor Total							Receptor Risk Total	2E-04				Receptor HI Total	3

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.08
Total Blood HI	2
Total Body Weight HI	0.1
Total CNS HI	0.008
Total CVS HI	0.4
Total GS HI	0.2
Total Kidney HI	0.3
Total Lungs HI	0.0009
Total None Reported HI	0.02
Total Skin HI	0.4
Total Respiratory HI	0.00007
Total NA HI	0.0002

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	2E-05	--	8E-06	--	3E-05	NA	--	- -	--	--
			AROCLOR-1254	7E-09	--	3E-09	--	1E-08	Autoimmune	0.001	- -	0.0004	0.001
			AROCLOR-1260	2E-07	--	6E-08	--	2E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.007	- -	0.001	0.009
			ARSENIC	3E-06	--	3E-07	--	4E-06	Skin, CVS	0.05	- -	0.004	0.05
			CADMIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.003	0.03
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.007	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.01	- -	0.004	0.01
			NICKEL	- -	--	- -	--	- -	Body Weight	0.01	- -	0.01	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0003	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	5E-07	--	6E-07	--	1E-06	None Reported	0.0007	- -	0.0009	0.002
			Chemical Total	3E-05	--	9E-06	--	3E-05		0.3	--	0.03	0.4
		Exposure Point Total						3E-05					0.4
	Exposure Medium Total							3E-05					0.4
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	8E-14	--	--	8E-14	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00004	- -	0.00004
			CADMIUM	--	3E-10	--	--	3E-10	NA	- -	0.00010	- -	0.00010
			COBALT	--	4E-09	--	--	4E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000004	- -	0.000004
			NICKEL	--	5E-10	--	--	5E-10	Body Weight	- -	0.0001	- -	0.0001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	9E-09	--	--	9E-09		- -	0.0008	- -	0.0008
		Exposure Point Total						9E-09					0.0008
	Exposure Medium Total							9E-09					0.0008
Medium Total								3E-05					0.4

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000005	- -	0.000002	0.000008
			BENZO(A)PYRENE EQUIVALENTS	7E-06	--	3E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1260	8E-09	--	3E-09	--	1E-08	NA	--	- -	--	--
			ARSENIC	2E-06	--	1E-07	--	2E-06	Skin, CVS	0.02	- -	0.002	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.005	0.2
			IRON	- -	--	- -	--	- -	GS	0.04	- -	0.001	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.002	- -	0.00005	0.002
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00008	- -	0.00003	0.0001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0005	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-07	--	5E-07	--	1E-06	None Reported	0.0006	- -	0.0008	0.001
			Chemical Total	9E-06	--	4E-06	--	1E-05		0.3	--	0.010	0.3
		Exposure Point Total						1E-05					0.3
	Exposure Medium Total							1E-05					0.3
	Air	Block G	NAPHTHALENE	--	1E-09	--	--	1E-09	Respiratory	- -	0.00007	- -	0.00007
			BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-13	--	--	1E-13	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0004	- -	0.0004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000003	- -	0.00000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	8E-09	--	--	8E-09		- -	0.0006	- -	0.0006
		Exposure Point Total						8E-09					0.0006
	Exposure Medium Total							8E-09					0.0006
Medium Total								1E-05					0.3
Receptor Total							Receptor Risk Total	5E-05				Receptor HI Total	0.6

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.02
Total Blood HI	0.4
Total Body Weight HI	0.02
Total CNS HI	0.002
Total CVS HI	0.07
Total GS HI	0.04
Total Kidney HI	0.05
Total Lungs HI	0.0009
Total None Reported HI	0.003
Total Skin HI	0.07
Total Respiratory HI	0.00007
Total NA HI	0.0002

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	5E-06	--	2E-06	--	7E-06	NA	--	- -	--	--
			AROCLOR-1254	4E-09	--	2E-09	--	6E-09	Autoimmune	0.0006	- -	0.0003	0.0009
			AROCLOR-1260	9E-08	--	5E-08	--	1E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.004	- -	0.001	0.005
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.03	- -	0.003	0.03
			CADMIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.002	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.005	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.006	- -	0.003	0.009
			NICKEL	- -	--	- -	--	- -	Body Weight	0.008	- -	0.008	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.006	- -	0.0002	0.006
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	2E-07	--	3E-07	None Reported	0.0004	- -	0.0007	0.001
			Chemical Total	7E-06	--	3E-06	--	1E-05		0.2	--	0.02	0.2
		Exposure Point Total						1E-05					0.2
	Exposure Medium Total							1E-05					0.2
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11	NA	- -	--	- -	--
			AROCLOR-1254	--	8E-14	--	--	8E-14	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00004	- -	0.00004
			CADMIUM	--	3E-10	--	--	3E-10	NA	- -	0.00010	- -	0.00010
			COBALT	--	4E-09	--	--	4E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000004	- -	0.000004
			NICKEL	--	5E-10	--	--	5E-10	Body Weight	- -	0.0001	- -	0.0001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000009	- -	0.0000009
			Chemical Total	--	7E-09	--	--	7E-09		- -	0.0008	- -	0.0008
		Exposure Point Total						7E-09					0.0008
	Exposure Medium Total							7E-09					0.0008
Medium Total								1E-05					0.2

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000003	- -	0.000002	0.000005
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	8E-07	--	2E-06	NA	--	- -	--	--
			AROCLOR-1260	5E-09	--	3E-09	--	7E-09	NA	--	- -	--	--
			ARSENIC	9E-07	--	1E-07	--	1E-06	Skin, CVS	0.01	- -	0.001	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.004	0.1
			IRON	- -	--	- -	--	- -	GS	0.02	- -	0.0010	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.0009	- -	0.00003	0.0009
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00005	- -	0.00003	0.00007
			VANADIUM	- -	--	- -	--	- -	Kidney	0.009	- -	0.0004	0.009
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	9E-08	--	1E-07	--	2E-07	None Reported	0.0004	- -	0.0006	0.0009
			Chemical Total	3E-06	--	1E-06	--	4E-06		0.1	--	0.007	0.2
		Exposure Point Total						4E-06					0.2
	Exposure Medium Total							4E-06					0.2
	Air	Block G	NAPHTHALENE	--	1E-09	--	--	1E-09	Respiratory	- -	0.00007	- -	0.00007
			BENZO(A)PYRENE EQUIVALENTS	--	2E-11	--	--	2E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	1E-13	--	--	1E-13	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0004	- -	0.0004
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0002	- -	0.0002
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000003	- -	0.00000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	6E-09	--	--	6E-09		- -	0.0006	- -	0.0006
		Exposure Point Total						6E-09					0.0006
	Exposure Medium Total							6E-09					0.0006
Medium Total								4E-06					0.2
Receptor Total							Receptor Risk Total	1E-05				Receptor HI Total	0.4

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.01
Total Blood HI	0.3
Total Body Weight HI	0.02
Total CNS HI	0.001
Total CVS HI	0.04
Total GS HI	0.03
Total Kidney HI	0.03
Total Lungs HI	0.0009
Total None Reported HI	0.002
Total Skin HI	0.04
Total Respiratory HI	0.00007
Total NA HI	0.0002

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	1E-04	--	5E-05	--	2E-04					
			AROCLOR-1254	3E-08	--	1E-08	--	4E-08					
			AROCLOR-1260	6E-07	--	3E-07	--	9E-07					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	1E-05	--	1E-06	--	2E-05					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	3E-06	--	4E-06	--	7E-06					
			Chemical Total	2E-04	--	6E-05	--	2E-04					
		Exposure Point Total						2E-04					
	Exposure Medium Total							2E-04					
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	3E-10	--	--	3E-10					
			AROCLOR-1254	--	2E-13	--	--	2E-13					
			AROCLOR-1260	--	4E-12	--	--	4E-12					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	1E-09	--	--	1E-09					
			CADMIUM	--	8E-10	--	--	8E-10					
			COBALT	--	1E-08	--	--	1E-08					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			NICKEL	--	1E-09	--	--	1E-09					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	8E-09	--	--	8E-09					
			Chemical Total	--	2E-08	--	--	2E-08					
		Exposure Point Total						2E-08					
	Exposure Medium Total							2E-08					
Medium Total								2E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	5E-05	--	2E-05	--	7E-05					
			AROCLOR-1260	3E-08	--	1E-08	--	5E-08					
			ARSENIC	7E-06	--	6E-07	--	7E-06					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	6E-06					
			Chemical Total	6E-05	--	2E-05	--	8E-05					
		Exposure Point Total						8E-05					
	Exposure Medium Total							8E-05					
	Air	Block G	NAPHTHALENE	--	3E-09	--	--	3E-09					
			BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10					
			AROCLOR-1260	--	2E-13	--	--	2E-13					
			ARSENIC	--	5E-10	--	--	5E-10					
			COBALT	--	8E-09	--	--	8E-09					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	7E-09	--	--	7E-09					
			Chemical Total	--	2E-08	--	--	2E-08					
		Exposure Point Total						2E-08					
	Exposure Medium Total							2E-08					
Medium Total								8E-05					
Receptor Total							Receptor Risk Total	3E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	2E-04	--	6E-05	--	2E-04	NA	--	- -	--	--
			AROCLOR-1254	3E-08	--	1E-08	--	4E-08	Autoimmune	0.008	- -	0.003	0.01
			AROCLOR-1260	6E-07	--	2E-07	--	8E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.05	- -	0.01	0.06
			ARSENIC	1E-05	--	1E-06	--	1E-05	Skin, CVS	0.3	- -	0.03	0.4
			CADMIUM	- -	--	- -	--	- -	Kidney	0.2	- -	0.02	0.2
			COBALT	- -	--	- -	--	- -	Blood	2	- -	0.05	2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.08	- -	0.03	0.1
			NICKEL	- -	--	- -	--	- -	Body Weight	0.1	- -	0.07	0.2
			VANADIUM	- -	--	- -	--	- -	Kidney	0.08	- -	0.002	0.08
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-06	--	4E-06	--	8E-06	None Reported	0.006	- -	0.006	0.01
			Chemical Total	2E-04	--	6E-05	--	2E-04		3	--	0.2	3
		Exposure Point Total						2E-04					3
	Exposure Medium Total							2E-04					3
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	6E-10	--	--	6E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	4E-12	--	--	4E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	9E-10	--	--	9E-10	NA	- -	0.0002	- -	0.0002
			CADMIUM	--	6E-10	--	--	6E-10	NA	- -	0.0004	- -	0.0004
			COBALT	--	9E-09	--	--	9E-09	Lungs	- -	0.002	- -	0.002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00002	- -	0.00002
			NICKEL	--	1E-09	--	--	1E-09	Body Weight	- -	0.0005	- -	0.0005
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.003	- -	0.003
		Exposure Point Total						3E-08					0.003
	Exposure Medium Total							3E-08					0.003
Medium Total								2E-04					3

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00004	- -	0.00001	0.00005
			BENZO(A)PYRENE EQUIVALENTS	6E-05	--	2E-05	--	8E-05	NA	--	- -	--	--
			AROCLOR-1260	3E-08	--	1E-08	--	4E-08	NA	--	- -	--	--
			ARSENIC	6E-06	--	5E-07	--	6E-06	Skin, CVS	0.2	- -	0.01	0.2
			COBALT	- -	--	- -	--	- -	Blood	1	- -	0.04	1
			IRON	- -	--	- -	--	- -	GS	0.3	- -	0.009	0.3
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.01	- -	0.0003	0.01
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0006	- -	0.0002	0.0008
			VANADIUM	- -	--	- -	--	- -	Kidney	0.1	- -	0.003	0.1
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-06	--	4E-06	--	7E-06	None Reported	0.005	- -	0.005	0.010
			Chemical Total	6E-05	--	2E-05	--	9E-05		2	--	0.07	2
		Exposure Point Total						9E-05					2
	Exposure Medium Total							9E-05					2
	Air	Block G	NAPHTHALENE	--	3E-09	--	--	3E-09	Respiratory	- -	0.0003	- -	0.0003
			BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	2E-13	--	--	2E-13	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00007	- -	0.00007
			COBALT	--	7E-09	--	--	7E-09	Lungs	- -	0.002	- -	0.002
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0007	- -	0.0007
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000001	- -	0.0000001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.003	- -	0.003
		Exposure Point Total						2E-08					0.003
	Exposure Medium Total							2E-08					0.003
Medium Total								9E-05					2
Receptor Total							Receptor Risk Total	3E-04				Receptor HI Total	5

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.1
Total Blood HI	3
Total Body Weight HI	0.2
Total CNS HI	0.01
Total CVS HI	0.5
Total GS HI	0.3
Total Kidney HI	0.4
Total Lungs HI	0.004
Total None Reported HI	0.02
Total Skin HI	0.5
Total Respiratory HI	0.0003
Total NA HI	0.0007

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	3E-05	--	1E-05	--	4E-05	NA	--	- -	--	--
			AROCLOR-1254	1E-08	--	4E-09	--	1E-08	Autoimmune	0.001	- -	0.0006	0.002
			AROCLOR-1260	2E-07	--	9E-08	--	3E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.01	- -	0.002	0.01
			ARSENIC	5E-06	--	4E-07	--	5E-06	Skin, CVS	0.06	- -	0.006	0.07
			CADMIUM	- -	--	- -	--	- -	Kidney	0.03	- -	0.004	0.04
			COBALT	- -	--	- -	--	- -	Blood	0.3	- -	0.010	0.3
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.01	- -	0.006	0.02
			NICKEL	- -	--	- -	--	- -	Body Weight	0.02	- -	0.01	0.03
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0005	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	7E-07	--	9E-07	--	2E-06	None Reported	0.001	- -	0.001	0.002
			Chemical Total	4E-05	--	1E-05	--	5E-05		0.5	--	0.04	0.5
		Exposure Point Total						5E-05					0.5
	Exposure Medium Total							5E-05					0.5
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	6E-10	--	--	6E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	3E-13	--	--	3E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	8E-12	--	--	8E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-09	--	--	2E-09	NA	- -	0.0002	- -	0.0002
			CADMIUM	--	1E-09	--	--	1E-09	NA	- -	0.0004	- -	0.0004
			COBALT	--	2E-08	--	--	2E-08	Lungs	- -	0.002	- -	0.002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00002	- -	0.00002
			NICKEL	--	2E-09	--	--	2E-09	Body Weight	- -	0.0005	- -	0.0005
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	4E-08	--	--	4E-08		- -	0.003	- -	0.003
		Exposure Point Total						4E-08					0.003
	Exposure Medium Total							4E-08					0.003
Medium Total								5E-05					0.5

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000008	- -	0.000003	0.00001
			BENZO(A)PYRENE EQUIVALENTS	1E-05	--	4E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1260	1E-08	--	5E-09	--	2E-08	NA	--	- -	--	--
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.03	- -	0.003	0.03
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.007	0.3
			IRON	- -	--	- -	--	- -	GS	0.06	- -	0.002	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.002	- -	0.00006	0.002
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0001	- -	0.00005	0.0002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0007	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	6E-07	--	7E-07	--	1E-06	None Reported	0.0009	- -	0.001	0.002
			Chemical Total	1E-05	--	5E-06	--	2E-05		0.4	--	0.01	0.4
		Exposure Point Total						2E-05					0.4
	Exposure Medium Total							2E-05					0.4
	Air	Block G	NAPHTHALENE	--	6E-09	--	--	6E-09	Respiratory	- -	0.0003	- -	0.0003
			BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1260	--	4E-13	--	--	4E-13	NA	- -	--	- -	--
			ARSENIC	--	8E-10	--	--	8E-10	NA	- -	0.00007	- -	0.00007
			COBALT	--	1E-08	--	--	1E-08	Lungs	- -	0.002	- -	0.002
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0007	- -	0.0007
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000001	- -	0.0000001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.003	- -	0.003
		Exposure Point Total						3E-08					0.003
	Exposure Medium Total							3E-08					0.003
Medium Total								2E-05					0.4
Receptor Total							Receptor Risk Total	7E-05				Receptor HI Total	0.9

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future

Receptor Population: Resident

Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.02
Total Blood HI	0.6
Total Body Weight HI	0.03
Total CNS HI	0.003
Total CVS HI	0.1
Total GS HI	0.06
Total Kidney HI	0.08
Total Lungs HI	0.004
Total None Reported HI	0.004
Total Skin HI	0.1
Total Respiratory HI	0.0003
Total NA HI	0.0007

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	6E-06	--	3E-06	--	1E-05	NA	--	- -	--	--
			AROCLOR-1254	6E-09	--	3E-09	--	9E-09	Autoimmune	0.0008	- -	0.0005	0.001
			AROCLOR-1260	1E-07	--	7E-08	--	2E-07	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.006	- -	0.002	0.007
			ARSENIC	3E-06	--	3E-07	--	3E-06	Skin, CVS	0.04	- -	0.004	0.04
			CADMIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.003	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.008	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.008	- -	0.005	0.01
			NICKEL	- -	--	- -	--	- -	Body Weight	0.01	- -	0.01	0.02
			VANADIUM	- -	--	- -	--	- -	Kidney	0.009	- -	0.0003	0.009
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	2E-07	--	4E-07	None Reported	0.0006	- -	0.0009	0.002
			Chemical Total	9E-06	--	4E-06	--	1E-05		0.3	--	0.03	0.3
		Exposure Point Total						1E-05					0.3
	Exposure Medium Total							1E-05					0.3
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			AROCLOR-1254	--	3E-13	--	--	3E-13	NA	- -	--	- -	--
			AROCLOR-1260	--	8E-12	--	--	8E-12	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-09	--	--	2E-09	NA	- -	0.0002	- -	0.0002
			CADMIUM	--	1E-09	--	--	1E-09	NA	- -	0.0004	- -	0.0004
			COBALT	--	2E-08	--	--	2E-08	Lungs	- -	0.002	- -	0.002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00002	- -	0.00002
			NICKEL	--	2E-09	--	--	2E-09	Body Weight	- -	0.0005	- -	0.0005
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	6E-09	--	--	6E-09	Lungs	- -	0.000004	- -	0.000004
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.003	- -	0.003
		Exposure Point Total						3E-08					0.003
	Exposure Medium Total							3E-08					0.003
Medium Total								1E-05					0.3

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000004	- -	0.000002	0.000007
			BENZO(A)PYRENE EQUIVALENTS	2E-06	--	1E-06	--	3E-06	NA	--	- -	--	--
			AROCLOR-1260	7E-09	--	4E-09	--	1E-08	NA	--	- -	--	--
			ARSENIC	1E-06	--	2E-07	--	1E-06	Skin, CVS	0.02	- -	0.002	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.006	0.1
			IRON	- -	--	- -	--	- -	GS	0.03	- -	0.001	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MANGANESE	- -	--	- -	--	- -	CNS	0.001	- -	0.00005	0.001
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00006	- -	0.00004	0.0001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0005	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	2E-07	--	3E-07	None Reported	0.0005	- -	0.0008	0.001
			Chemical Total	4E-06	--	2E-06	--	5E-06		0.2	--	0.01	0.2
		Exposure Point Total						5E-06					0.2
	Exposure Medium Total							5E-06					0.2
	Air	Block G	NAPHTHALENE	--	6E-09	--	--	6E-09	Respiratory	- -	0.0003	- -	0.0003
			BENZO(A)PYRENE EQUIVALENTS	--	7E-11	--	--	7E-11	NA	- -	--	- -	--
			AROCLOR-1260	--	4E-13	--	--	4E-13	NA	- -	--	- -	--
			ARSENIC	--	8E-10	--	--	8E-10	NA	- -	0.00007	- -	0.00007
			COBALT	--	1E-08	--	--	1E-08	Lungs	- -	0.002	- -	0.002
			IRON	--	- -	--	--	- -	NA	- -	--	- -	--
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MANGANESE	--	- -	--	--	- -	CNS	- -	0.0007	- -	0.0007
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000001	- -	0.0000001
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	5E-09	--	--	5E-09	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.003	- -	0.003
		Exposure Point Total						3E-08					0.003
	Exposure Medium Total							3E-08					0.003
Medium Total								5E-06					0.2
Receptor Total							Receptor Risk Total	2E-05				Receptor HI Total	0.5

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future

Receptor Population: Resident

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.01
Total Blood HI	0.4
Total Body Weight HI	0.02
Total CNS HI	0.002
Total CVS HI	0.06
Total GS HI	0.04
Total Kidney HI	0.04
Total Lungs HI	0.004
Total None Reported HI	0.003
Total Skin HI	0.06
Total Respiratory HI	0.0003
Total NA HI	0.0007

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	2E-04	--	7E-05	--	3E-04					
			AROCLOR-1254	4E-08	--	2E-08	--	6E-08					
			AROCLOR-1260	9E-07	--	4E-07	--	1E-06					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	2E-05	--	2E-06	--	2E-05					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	5E-06	--	5E-06	--	1E-05					
			Chemical Total	2E-04	--	8E-05	--	3E-04					
		Exposure Point Total						3E-04					
	Exposure Medium Total							3E-04					
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	1E-09	--	--	1E-09					
			AROCLOR-1254	--	9E-13	--	--	9E-13					
			AROCLOR-1260	--	2E-11	--	--	2E-11					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	4E-09	--	--	4E-09					
			CADMIUM	--	3E-09	--	--	3E-09					
			COBALT	--	5E-08	--	--	5E-08					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			NICKEL	--	5E-09	--	--	5E-09					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	4E-08	--	--	4E-08					
			Chemical Total	--	1E-07	--	--	1E-07					
		Exposure Point Total						1E-07					
	Exposure Medium Total							1E-07					
Medium Total								3E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	NAPHTHALENE	- -	--	- -	--	- -					
			BENZO(A)PYRENE EQUIVALENTS	7E-05	--	3E-05	--	9E-05					
			AROCLOR-1260	5E-08	--	2E-08	--	7E-08					
			ARSENIC	9E-06	--	9E-07	--	1E-05					
			COBALT	- -	--	- -	--	- -					
			IRON	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MANGANESE	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	4E-06	--	5E-06	--	8E-06					
			Chemical Total	8E-05	--	3E-05	--	1E-04					
		Exposure Point Total						1E-04					
	Exposure Medium Total							1E-04					
	Air	Block G	NAPHTHALENE	--	1E-08	--	--	1E-08					
			BENZO(A)PYRENE EQUIVALENTS	--	5E-10	--	--	5E-10					
			AROCLOR-1260	--	1E-12	--	--	1E-12					
			ARSENIC	--	2E-09	--	--	2E-09					
			COBALT	--	4E-08	--	--	4E-08					
			IRON	--	- -	--	--	- -					
			LEAD	--	- -	--	--	- -					
			MANGANESE	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	3E-08	--	--	3E-08					
			Chemical Total	--	8E-08	--	--	8E-08					
		Exposure Point Total						8E-08					
	Exposure Medium Total							8E-08					
Medium Total								1E-04					
Receptor Total							Receptor Risk Total	4E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK G - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future

Receptor Population: Resident

Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	6E-06	--	2E-06	--	7E-06	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.010	- -	0.001	0.01
			ARSENIC	4E-07	--	2E-08	--	4E-07	Skin, CVS	0.05	- -	0.003	0.06
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0009	- -	0.00008	0.001
			COBALT	- -	--	- -	--	- -	Thyroid	0.01	- -	0.0003	0.01
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.003	- -	0.0009	0.004
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0004	- -	0.000009	0.0004
			NICKEL	- -	--	- -	--	- -	Body Weight	0.003	- -	0.001	0.004
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0003	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-08	--	3E-08	--	7E-08	None Reported	0.002	- -	0.001	0.003
			Chemical Total	6E-06	--	2E-06	--	8E-06		0.1	--	0.009	0.1
		Exposure Point Total						8E-06					0.1
	Exposure Medium Total							8E-06					0.1
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	3E-08	--	--	3E-08	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	3E-08	--	--	3E-08	NA	- -	0.04	- -	0.04
			CADMIUM	--	8E-10	--	--	8E-10	NA	- -	0.003	- -	0.003
			COBALT	--	2E-07	--	--	2E-07	Lungs	- -	0.2	- -	0.2
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.001	- -	0.001
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	6E-09	--	--	6E-09	Body Weight	- -	0.02	- -	0.02
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-07	--	--	2E-07	Lungs	- -	0.002	- -	0.002
			Chemical Total	--	5E-07	--	--	5E-07		- -	0.3	- -	0.3
		Exposure Point Total						5E-07					0.3
	Exposure Medium Total							5E-07					0.3
Medium Total								8E-06					0.4

TABLE 9.1.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CONSTRUCTION WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Construction Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	1E-07	--	3E-08	--	2E-07	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00004	- -	0.000009	0.00004
			ARSENIC	4E-07	--	2E-08	--	4E-07	Skin, CVS	0.06	- -	0.003	0.06
			COBALT	- -	--	- -	--	- -	Thyroid	0.02	- -	0.0004	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0005	- -	0.0001	0.0006
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0004	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	6E-08	--	5E-08	--	1E-07	None Reported	0.003	- -	0.002	0.005
			Chemical Total	5E-07	--	1E-07	--	6E-07		0.10	--	0.007	0.1
		Exposure Point Total						6E-07					0.1
	Exposure Medium Total							6E-07					0.1
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	6E-10	--	--	6E-10	NA	- -	--	- -	--
			NAPHTHALENE	--	2E-09	--	--	2E-09	Respiratory	- -	0.001	- -	0.001
			ARSENIC	--	4E-08	--	--	4E-08	NA	- -	0.04	- -	0.04
			COBALT	--	3E-07	--	--	3E-07	Lungs	- -	0.3	- -	0.3
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0002	- -	0.0002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-07	--	--	3E-07	Lungs	- -	0.003	- -	0.003
			Chemical Total	--	6E-07	--	--	6E-07		- -	0.4	- -	0.4
		Exposure Point Total						6E-07					0.4
	Exposure Medium Total							6E-07					0.4
Medium Total								1E-06					0.5
Receptor Total							Receptor Risk Total	1E-05				Receptor HI Total	0.9

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.004
Total Blood HI	0.01
Total Body Weight HI	0.02
Total CVS HI	0.1
Total Kidney HI	0.03
Total Lungs HI	0.6
Total None Reported HI	0.008
Total Skin HI	0.1
Total Respiratory HI	0.001
Total NA HI	0.08
Total Thyroid HI	0.04

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	2E-05	--	3E-05	--	4E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.001	- -	0.0009	0.002
			ARSENIC	9E-07	--	4E-07	--	1E-06	Skin, CVS	0.006	- -	0.002	0.008
			CADMIUM	- -	--	- -	--	- -	Kidney	0.00010	- -	0.00005	0.0001
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.002	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0003	- -	0.0006	0.0009
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00004	- -	0.000006	0.00005
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0003	- -	0.0009	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0004	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	5E-07	--	6E-07	None Reported	0.0002	- -	0.0009	0.001
			Chemical Total	2E-05	--	3E-05	--	4E-05		0.03	--	0.008	0.03
		Exposure Point Total						4E-05					0.03
	Exposure Medium Total							4E-05					0.03
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	9E-12	--	--	9E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0001	- -	0.0001
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	7E-11	--	--	7E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	5E-09	--	--	5E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						5E-09					0.0001
	Exposure Medium Total							5E-09					0.0001
Medium Total								4E-05					0.03

TABLE 9.2.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - INDUSTRIAL WORKER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Worker
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	3E-07	--	5E-07	--	9E-07	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000004	- -	0.000006	0.000010
			ARSENIC	9E-07	--	4E-07	--	1E-06	Skin, CVS	0.006	- -	0.002	0.008
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00005	- -	0.00010	0.0001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0005	0.004
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	8E-07	--	1E-06	None Reported	0.0003	- -	0.002	0.002
			Chemical Total	1E-06	--	2E-06	--	3E-06		0.03	--	0.007	0.04
		Exposure Point Total						3E-06					0.04
	Exposure Medium Total							3E-06					0.04
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	7E-12	--	--	7E-12	NA	- -	--	- -	--
			NAPHTHALENE	--	6E-09	--	--	6E-09	Respiratory	- -	0.0002	- -	0.0002
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000007	- -	0.00000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.000001	- -	0.000001
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.0003	- -	0.0003
		Exposure Point Total						1E-08					0.0003
	Exposure Medium Total							1E-08					0.0003
Medium Total								3E-06					0.04
Receptor Total							Receptor Risk Total	5E-05				Receptor HI Total	0.07

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.001
Total Blood HI	0.04
Total Body Weight HI	0.001
Total CVS HI	0.02
Total Kidney HI	0.007
Total Lungs HI	0.0003
Total None Reported HI	0.003
Total Skin HI	0.02
Total Respiratory HI	0.0002
Total NA HI	0.00004

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	2E-04	--	6E-05	--	2E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.010	- -	0.002	0.01
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.06	- -	0.004	0.06
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0010	- -	0.00009	0.001
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.004	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.003	- -	0.001	0.004
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0004	- -	0.00001	0.0004
			NICKEL	- -	--	- -	--	- -	Body Weight	0.003	- -	0.002	0.004
			VANADIUM	- -	--	- -	--	- -	Kidney	0.03	- -	0.0006	0.03
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	2E-06	None Reported	0.002	- -	0.002	0.003
			Chemical Total	2E-04	--	6E-05	--	3E-04		0.3	--	0.01	0.3
		Exposure Point Total						3E-04					0.3
	Exposure Medium Total							3E-04					0.3
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-11	--	--	2E-11	NA	- -	0.000004	- -	0.000004
			CADMIUM	--	6E-13	--	--	6E-13	NA	- -	0.0000004	- -	0.0000004
			COBALT	--	1E-10	--	--	1E-10	Lungs	- -	0.00003	- -	0.00003
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000001	- -	0.0000001
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	5E-12	--	--	5E-12	Body Weight	- -	0.000002	- -	0.000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	8E-10	--	--	8E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	1E-09	--	--	1E-09		- -	0.00004	- -	0.00004
		Exposure Point Total						1E-09					0.00004
	Exposure Medium Total							1E-09					0.00004
Medium Total								3E-04					0.3

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	4E-06	--	1E-06	--	5E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00004	- -	0.00001	0.00005
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.06	- -	0.004	0.06
			COBALT	- -	--	- -	--	- -	Blood	0.2	- -	0.005	0.2
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0005	- -	0.0002	0.0007
			VANADIUM	- -	--	- -	--	- -	Kidney	0.04	- -	0.0009	0.04
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-06	--	2E-06	--	4E-06	None Reported	0.003	- -	0.003	0.006
			Chemical Total	8E-06	--	3E-06	--	1E-05		0.3	--	0.01	0.3
		Exposure Point Total						1E-05					0.3
	Exposure Medium Total							1E-05					0.3
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			NAPHTHALENE	--	4E-10	--	--	4E-10	Respiratory	- -	0.00005	- -	0.00005
			ARSENIC	--	2E-11	--	--	2E-11	NA	- -	0.000004	- -	0.000004
			COBALT	--	2E-10	--	--	2E-10	Lungs	- -	0.00004	- -	0.00004
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000002	- -	0.00000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	2E-09	--	--	2E-09		- -	0.00009	- -	0.00009
		Exposure Point Total						2E-09					0.00009
	Exposure Medium Total							2E-09					0.00009
Medium Total								1E-05					0.3
Receptor Total							Receptor Risk Total	3E-04				Receptor HI Total	0.6

TABLE 9.3.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CHILD COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.005
Total Blood HI	0.4
Total Body Weight HI	0.004
Total CVS HI	0.1
Total Kidney HI	0.07
Total Lungs HI	0.00007
Total None Reported HI	0.009
Total Skin HI	0.1
Total Respiratory HI	0.00005
Total NA HI	0.000009

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	4E-05	--	4E-05	--	8E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.001	0.003
			ARSENIC	8E-07	--	2E-07	--	1E-06	Skin, CVS	0.01	- -	0.003	0.01
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0002	- -	0.00006	0.0002
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.002	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0006	- -	0.0007	0.001
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00008	- -	0.000007	0.00009
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0005	- -	0.001	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0004	0.005
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	8E-07	--	1E-06	None Reported	0.0003	- -	0.001	0.001
			Chemical Total	4E-05	--	4E-05	--	8E-05		0.05	--	0.010	0.06
		Exposure Point Total						8E-05					0.06
	Exposure Medium Total							8E-05					0.06
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	1E-10	--	--	1E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	5E-11	--	--	5E-11	NA	- -	0.000004	- -	0.000004
			CADMIUM	--	1E-12	--	--	1E-12	NA	- -	0.0000004	- -	0.0000004
			COBALT	--	3E-10	--	--	3E-10	Lungs	- -	0.00003	- -	0.00003
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000001	- -	0.0000001
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	9E-12	--	--	9E-12	Body Weight	- -	0.000002	- -	0.000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	8E-10	--	--	8E-10	Lungs	- -	0.0000002	- -	0.0000002
			Chemical Total	--	1E-09	--	--	1E-09		- -	0.00004	- -	0.00004
		Exposure Point Total						1E-09					0.00004
	Exposure Medium Total							1E-09					0.00004
Medium Total								8E-05					0.06

TABLE 9.4.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADOLESCENT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	8E-07	--	8E-07	--	2E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000007	- -	0.000008	0.00001
			ARSENIC	8E-07	--	2E-07	--	1E-06	Skin, CVS	0.01	- -	0.003	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.04	- -	0.003	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00009	- -	0.0001	0.0002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.0006	0.007
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-07	--	1E-06	--	2E-06	None Reported	0.0005	- -	0.002	0.002
			Chemical Total	2E-06	--	2E-06	--	4E-06		0.06	--	0.009	0.07
		Exposure Point Total						4E-06					0.07
	Exposure Medium Total							4E-06					0.07
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	2E-12	--	--	2E-12	NA	- -	--	- -	--
			NAPHTHALENE	--	8E-10	--	--	8E-10	Respiratory	- -	0.00005	- -	0.00005
			ARSENIC	--	5E-11	--	--	5E-11	NA	- -	0.000004	- -	0.000004
			COBALT	--	4E-10	--	--	4E-10	Lungs	- -	0.00004	- -	0.00004
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000002	- -	0.00000002
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000003	- -	0.0000003
			Chemical Total	--	3E-09	--	--	3E-09		- -	0.00009	- -	0.00009
		Exposure Point Total						3E-09					0.00009
	Exposure Medium Total							3E-09					0.00009
Medium Total								4E-06					0.07
Receptor Total							Receptor Risk Total	8E-05				Receptor HI Total	0.1

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.001
Total Blood HI	0.08
Total Body Weight HI	0.002
Total CVS HI	0.03
Total Kidney HI	0.01
Total Lungs HI	0.00007
Total None Reported HI	0.004
Total Skin HI	0.03
Total Respiratory HI	0.00005
Total NA HI	0.000009

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	2E-04	--	1E-04	--	3E-04					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	3E-06	--	4E-07	--	3E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	1E-06	--	2E-06	--	3E-06					
			Chemical Total	2E-04	--	1E-04	--	3E-04					
		Exposure Point Total						3E-04					
	Exposure Medium Total							3E-04					
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	7E-11	--	--	7E-11					
			CADMIUM	--	2E-12	--	--	2E-12					
			COBALT	--	4E-10	--	--	4E-10					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	1E-11	--	--	1E-11					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09					
			Chemical Total	--	2E-09	--	--	2E-09					
		Exposure Point Total						2E-09					
	Exposure Medium Total							2E-09					
Medium Total								3E-04					

TABLE 9.5.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - LIFELONG COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	5E-06	--	2E-06	--	7E-06					
			NAPHTHALENE	- -	--	- -	--	- -					
			ARSENIC	3E-06	--	4E-07	--	3E-06					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	2E-06	--	3E-06	--	6E-06					
			Chemical Total	1E-05	--	6E-06	--	2E-05					
		Exposure Point Total						2E-05					
	Exposure Medium Total							2E-05					
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	5E-12	--	--	5E-12					
			NAPHTHALENE	--	1E-09	--	--	1E-09					
			ARSENIC	--	7E-11	--	--	7E-11					
			COBALT	--	6E-10	--	--	6E-10					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09					
			Chemical Total	--	4E-09	--	--	4E-09					
		Exposure Point Total						4E-09					
	Exposure Medium Total							4E-09					
Medium Total								2E-05					
Receptor Total							Receptor Risk Total	3E-04					

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Commercial Receptor

Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	2E-05	--	3E-05	--	4E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.001	- -	0.0009	0.002
			ARSENIC	9E-07	--	4E-07	--	1E-06	Skin, CVS	0.006	- -	0.002	0.008
			CADMIUM	- -	--	- -	--	- -	Kidney	0.00010	- -	0.00005	0.0001
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.002	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0003	- -	0.0006	0.0009
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00004	- -	0.000006	0.00005
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0003	- -	0.0009	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0004	0.003
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	5E-07	--	6E-07	None Reported	0.0002	- -	0.0009	0.001
			Chemical Total	2E-05	--	3E-05	--	4E-05		0.03	--	0.008	0.03
		Exposure Point Total						4E-05					0.03
	Exposure Medium Total							4E-05					0.03
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	3E-10	--	--	3E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	9E-12	--	--	9E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0001	- -	0.0001
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	7E-11	--	--	7E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	5E-09	--	--	5E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						5E-09					0.0001
	Exposure Medium Total							5E-09					0.0001
Medium Total								4E-05					0.03

TABLE 9.6.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADULT COMMERCIAL RECEPTOR

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Commercial Receptor
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	3E-07	--	5E-07	--	9E-07	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000004	- -	0.000006	0.000010
			ARSENIC	9E-07	--	4E-07	--	1E-06	Skin, CVS	0.006	- -	0.002	0.008
			COBALT	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.00005	- -	0.00010	0.0001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.004	- -	0.0005	0.004
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	8E-07	--	1E-06	None Reported	0.0003	- -	0.002	0.002
			Chemical Total	1E-06	--	2E-06	--	3E-06		0.03	--	0.007	0.04
		Exposure Point Total						3E-06					0.04
	Exposure Medium Total							3E-06					0.04
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	7E-12	--	--	7E-12	NA	- -	--	- -	--
			NAPHTHALENE	--	6E-09	--	--	6E-09	Respiratory	- -	0.0002	- -	0.0002
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000007	- -	0.00000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	4E-09	--	--	4E-09	Lungs	- -	0.000001	- -	0.000001
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.0003	- -	0.0003
		Exposure Point Total						1E-08					0.0003
	Exposure Medium Total							1E-08					0.0003
Medium Total								3E-06					0.04
Receptor Total							Receptor Risk Total	5E-05				Receptor HI Total	0.07

Note: See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.001
Total Blood HI	0.04
Total Body Weight HI	0.001
Total CVS HI	0.02
Total Kidney HI	0.007
Total Lungs HI	0.0003
Total None Reported HI	0.003
Total Skin HI	0.02
Total Respiratory HI	0.0002
Total NA HI	0.00004

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	4E-04	--	1E-04	--	5E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.02	- -	0.003	0.02
			ARSENIC	4E-06	--	3E-07	--	4E-06	Skin, CVS	0.1	- -	0.009	0.1
			CADMIUM	- -	--	- -	--	- -	Kidney	0.002	- -	0.0002	0.002
			COBALT	- -	--	- -	--	- -	Blood	0.3	- -	0.008	0.3
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.006	- -	0.002	0.008
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0008	- -	0.00002	0.0008
			NICKEL	- -	--	- -	--	- -	Body Weight	0.005	- -	0.003	0.008
			VANADIUM	- -	--	- -	--	- -	Kidney	0.05	- -	0.001	0.05
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-06	--	3E-06	--	5E-06	None Reported	0.003	- -	0.004	0.007
			Chemical Total	4E-04	--	1E-04	--	5E-04		0.5	--	0.03	0.5
		Exposure Point Total						5E-04					0.5
	Exposure Medium Total							5E-04					0.5
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	2E-09	--	--	2E-09	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00007	- -	0.00007
			CADMIUM	--	9E-12	--	--	9E-12	NA	- -	0.000006	- -	0.000006
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	7E-11	--	--	7E-11	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.0006	- -	0.0006
		Exposure Point Total						2E-08					0.0006
	Exposure Medium Total							2E-08					0.0006
Medium Total								5E-04					0.5

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block G	BENZO(A)PYRENE EQUIVALENTS	8E-06	--	3E-06	--	1E-05	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00007	- -	0.00002	0.00009
			ARSENIC	4E-06	--	4E-07	--	5E-06	Skin, CVS	0.1	- -	0.009	0.1
			COBALT	- -	--	- -	--	- -	Blood	0.4	- -	0.01	0.4
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0009	- -	0.0004	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.07	- -	0.002	0.07
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-06	--	4E-06	--	8E-06	None Reported	0.005	- -	0.006	0.01
			Chemical Total	2E-05	--	7E-06	--	2E-05		0.6	--	0.03	0.6
		Exposure Point Total						2E-05					0.6
	Exposure Medium Total							2E-05					0.6
	Air	Block G	BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	7E-09	--	--	7E-09	Respiratory	- -	0.0007	- -	0.0007
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00007	- -	0.00007
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0006	- -	0.0006
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-08	--	--	2E-08	Lungs	- -	0.000005	- -	0.000005
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.001	- -	0.001
		Exposure Point Total						3E-08					0.001
	Exposure Medium Total							3E-08					0.001
Medium Total								2E-05					0.6
Receptor Total							Receptor Risk Total	5E-04				Receptor HI Total	1

TABLE 9.7.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CHILD RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future

Receptor Population: Recreational User

Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.009
Total Blood HI	0.7
Total Body Weight HI	0.009
Total CVS HI	0.2
Total Kidney HI	0.1
Total Lungs HI	0.001
Total None Reported HI	0.02
Total Skin HI	0.2
Total Respiratory HI	0.0007
Total NA HI	0.0001

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	7E-05	--	3E-05	--	9E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.004	- -	0.0007	0.004
			ARSENIC	2E-06	--	1E-07	--	2E-06	Skin, CVS	0.02	- -	0.002	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0003	- -	0.00004	0.0004
			COBALT	- -	--	- -	--	- -	Blood	0.05	- -	0.002	0.05
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.0005	0.002
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0002	- -	0.000005	0.0002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0009	- -	0.0007	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.009	- -	0.0003	0.010
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	4E-07	--	5E-07	--	1E-06	None Reported	0.0006	- -	0.0008	0.001
			Chemical Total	7E-05	--	3E-05	--	1E-04		0.09	--	0.006	0.10
		Exposure Point Total						1E-04					0.10
	Exposure Medium Total							1E-04					0.10
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	4E-10	--	--	4E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	4E-12	--	--	4E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	3E-11	--	--	3E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	3E-09	--	--	3E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	5E-09	--	--	5E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						5E-09					0.0001
	Exposure Medium Total							5E-09					0.0001
Medium Total								1E-04					0.10

TABLE 9.8.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADOLESCENT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	1E-06	--	6E-07	--	2E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00001	- -	0.000005	0.00002
			ARSENIC	2E-06	--	1E-07	--	2E-06	Skin, CVS	0.02	- -	0.002	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.07	- -	0.002	0.08
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0002	- -	0.00008	0.0003
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0004	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	7E-07	--	9E-07	--	2E-06	None Reported	0.001	- -	0.001	0.002
			Chemical Total	4E-06	--	2E-06	--	5E-06		0.1	--	0.006	0.1
		Exposure Point Total						5E-06					0.1
	Exposure Medium Total							5E-06					0.1
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	9E-12	--	--	9E-12	NA	- -	--	- -	--
			NAPHTHALENE	--	3E-09	--	--	3E-09	Respiratory	- -	0.0002	- -	0.0002
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000007	- -	0.00000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	5E-09	--	--	5E-09	Lungs	- -	0.000001	- -	0.000001
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.0003	- -	0.0003
		Exposure Point Total						1E-08					0.0003
	Exposure Medium Total							1E-08					0.0003
Medium Total								5E-06					0.1
Receptor Total							Receptor Risk Total	1E-04				Receptor HI Total	0.2

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.002
Total Blood HI	0.1
Total Body Weight HI	0.002
Total CVS HI	0.04
Total Kidney HI	0.02
Total Lungs HI	0.0003
Total None Reported HI	0.004
Total Skin HI	0.04
Total Respiratory HI	0.0002
Total NA HI	0.00004

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	1E-05	--	7E-06	--	2E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.002	- -	0.0005	0.003
			ARSENIC	9E-07	--	1E-07	--	1E-06	Skin, CVS	0.01	- -	0.001	0.01
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0002	- -	0.00003	0.0002
			COBALT	- -	--	- -	--	- -	Blood	0.03	- -	0.001	0.03
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0006	- -	0.0004	0.0010
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.00009	- -	0.000004	0.00009
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0005	- -	0.0005	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.005	- -	0.0002	0.006
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	9E-08	--	1E-07	--	2E-07	None Reported	0.0004	- -	0.0006	0.0009
			Chemical Total	2E-05	--	8E-06	--	2E-05		0.05	--	0.005	0.06
		Exposure Point Total						2E-05					0.06
	Exposure Medium Total							2E-05					0.06
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	2E-10	--	--	2E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			CADMIUM	--	4E-12	--	--	4E-12	NA	- -	0.000001	- -	0.000001
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0001	- -	0.0001
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000004	- -	0.0000004
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	3E-11	--	--	3E-11	Body Weight	- -	0.000009	- -	0.000009
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-09	--	--	1E-09	Lungs	- -	0.0000008	- -	0.0000008
			Chemical Total	--	3E-09	--	--	3E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						3E-09					0.0001
	Exposure Medium Total							3E-09					0.0001
Medium Total								2E-05					0.06

TABLE 9.9.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADULT RECREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	3E-07	--	2E-07	--	5E-07	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.000007	- -	0.000004	0.00001
			ARSENIC	9E-07	--	1E-07	--	1E-06	Skin, CVS	0.01	- -	0.001	0.01
			COBALT	- -	--	- -	--	- -	Blood	0.04	- -	0.002	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0001	- -	0.00006	0.0002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.0003	0.008
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	2E-07	--	4E-07	None Reported	0.0006	- -	0.0009	0.002
			Chemical Total	1E-06	--	5E-07	--	2E-06		0.06	--	0.004	0.07
		Exposure Point Total						2E-06					0.07
	Exposure Medium Total							2E-06					0.07
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	3E-12	--	--	3E-12	NA	- -	--	- -	--
			NAPHTHALENE	--	3E-09	--	--	3E-09	Respiratory	- -	0.0002	- -	0.0002
			ARSENIC	--	2E-10	--	--	2E-10	NA	- -	0.00002	- -	0.00002
			COBALT	--	1E-09	--	--	1E-09	Lungs	- -	0.0002	- -	0.0002
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.00000007	- -	0.00000007
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-09	--	--	2E-09	Lungs	- -	0.000001	- -	0.000001
			Chemical Total	--	7E-09	--	--	7E-09		- -	0.0003	- -	0.0003
		Exposure Point Total						7E-09					0.0003
	Exposure Medium Total							7E-09					0.0003
Medium Total								2E-06					0.07
Receptor Total							Receptor Risk Total	3E-05				Receptor HI Total	0.1

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.001
Total Blood HI	0.08
Total Body Weight HI	0.001
Total CVS HI	0.03
Total Kidney HI	0.01
Total Lungs HI	0.0003
Total None Reported HI	0.002
Total Skin HI	0.03
Total Respiratory HI	0.0002
Total NA HI	0.00004

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - LIFELONG REREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	4E-04	--	2E-04	--	6E-04					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	7E-06	--	6E-07	--	7E-06					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	3E-06	--	3E-06	--	6E-06					
			Chemical Total	5E-04	--	2E-04	--	6E-04					
		Exposure Point Total						6E-04					
	Exposure Medium Total							6E-04					
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	2E-09	--	--	2E-09					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	7E-10	--	--	7E-10					
			CADMIUM	--	2E-11	--	--	2E-11					
			COBALT	--	4E-09	--	--	4E-09					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	1E-10	--	--	1E-10					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	2E-08	--	--	2E-08					
			Chemical Total	--	2E-08	--	--	2E-08					
		Exposure Point Total						2E-08					
	Exposure Medium Total							2E-08					
Medium Total								6E-04					

TABLE 9.10.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - LIFELONG REREATIONAL USER

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Recreational User
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	9E-06	--	3E-06	--	1E-05					
			NAPHTHALENE	- -	--	- -	--	- -					
			ARSENIC	7E-06	--	6E-07	--	7E-06					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	5E-06	--	5E-06	--	1E-05					
			Chemical Total	2E-05	--	9E-06	--	3E-05					
		Exposure Point Total						3E-05					
	Exposure Medium Total							3E-05					
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	5E-11	--	--	5E-11					
			NAPHTHALENE	--	1E-08	--	--	1E-08					
			ARSENIC	--	8E-10	--	--	8E-10					
			COBALT	--	6E-09	--	--	6E-09					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	3E-08	--	--	3E-08					
			Chemical Total	--	5E-08	--	--	5E-08					
		Exposure Point Total						5E-08					
	Exposure Medium Total							5E-08					
Medium Total								3E-05					
Receptor Total							Receptor Risk Total	6E-04					

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	5E-04	--	2E-04	--	7E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.03	- -	0.005	0.03
			ARSENIC	6E-06	--	5E-07	--	6E-06	Skin, CVS	0.1	- -	0.01	0.2
			CADMIUM	- -	--	- -	--	- -	Kidney	0.003	- -	0.0003	0.003
			COBALT	- -	--	- -	--	- -	Blood	0.4	- -	0.01	0.4
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.008	- -	0.003	0.01
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.001	- -	0.00003	0.001
			NICKEL	- -	--	- -	--	- -	Body Weight	0.007	- -	0.005	0.01
			VANADIUM	- -	--	- -	--	- -	Kidney	0.07	- -	0.002	0.07
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	3E-06	--	4E-06	--	7E-06	None Reported	0.005	- -	0.005	0.010
			Chemical Total	5E-04	--	2E-04	--	7E-04		0.7	--	0.04	0.7
		Exposure Point Total						7E-04					0.7
	Exposure Medium Total							7E-04					0.7
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	2E-09	--	--	2E-09	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00007	- -	0.00007
			CADMIUM	--	9E-12	--	--	9E-12	NA	- -	0.000006	- -	0.000006
			COBALT	--	2E-09	--	--	2E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	7E-11	--	--	7E-11	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.0006	- -	0.0006
		Exposure Point Total						2E-08					0.0006
	Exposure Medium Total							2E-08					0.0006
Medium Total								7E-04					0.7

TABLE 9.11.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - CHILD RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	1E-05	--	4E-06	--	1E-05	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00010	- -	0.00003	0.0001
			ARSENIC	6E-06	--	5E-07	--	6E-06	Skin, CVS	0.2	- -	0.01	0.2
			COBALT	- -	--	- -	--	- -	Blood	0.5	- -	0.02	0.6
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.001	- -	0.0005	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.10	- -	0.003	0.1
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	5E-06	--	6E-06	--	1E-05	None Reported	0.008	- -	0.009	0.02
			Chemical Total	2E-05	--	1E-05	--	3E-05		0.8	--	0.04	0.8
		Exposure Point Total						3E-05					0.8
	Exposure Medium Total							3E-05					0.8
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	7E-09	--	--	7E-09	Respiratory	- -	0.0007	- -	0.0007
			ARSENIC	--	4E-10	--	--	4E-10	NA	- -	0.00007	- -	0.00007
			COBALT	--	3E-09	--	--	3E-09	Lungs	- -	0.0006	- -	0.0006
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-08	--	--	2E-08	Lungs	- -	0.000005	- -	0.000005
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.001	- -	0.001
		Exposure Point Total						3E-08					0.001
	Exposure Medium Total							3E-08					0.001
Medium Total								3E-05					0.9
Receptor Total							Receptor Risk Total	7E-04				Receptor HI Total	2

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.01
Total Blood HI	1
Total Body Weight HI	0.01
Total CVS HI	0.3
Total Kidney HI	0.2
Total Lungs HI	0.001
Total None Reported HI	0.03
Total Skin HI	0.3
Total Respiratory HI	0.0007
Total NA HI	0.0001

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	9E-05	--	4E-05	--	1E-04	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.005	- -	0.0010	0.006
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.03	- -	0.003	0.03
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0005	- -	0.00006	0.0005
			COBALT	- -	--	- -	--	- -	Blood	0.07	- -	0.002	0.08
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.002	- -	0.0007	0.002
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0002	- -	0.000007	0.0002
			NICKEL	- -	--	- -	--	- -	Body Weight	0.001	- -	0.0010	0.002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0004	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	6E-07	--	7E-07	--	1E-06	None Reported	0.0009	- -	0.001	0.002
			Chemical Total	1E-04	--	4E-05	--	1E-04		0.1	--	0.009	0.1
		Exposure Point Total						1E-04					0.1
	Exposure Medium Total							1E-04					0.1
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	2E-09	--	--	2E-09	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	8E-10	--	--	8E-10	NA	- -	0.00007	- -	0.00007
			CADMIUM	--	2E-11	--	--	2E-11	NA	- -	0.000006	- -	0.000006
			COBALT	--	4E-09	--	--	4E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-10	--	--	1E-10	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	1E-08	--	--	1E-08	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	2E-08	--	--	2E-08		- -	0.0006	- -	0.0006
		Exposure Point Total						2E-08					0.0006
	Exposure Medium Total							2E-08					0.0006
Medium Total								1E-04					0.1

TABLE 9.12.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADOLESCENT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adolescent

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	2E-06	--	8E-07	--	3E-06	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00002	- -	0.000007	0.00003
			ARSENIC	2E-06	--	2E-07	--	2E-06	Skin, CVS	0.03	- -	0.003	0.03
			COBALT	- -	--	- -	--	- -	Blood	0.1	- -	0.003	0.1
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0002	- -	0.0001	0.0004
			VANADIUM	- -	--	- -	--	- -	Kidney	0.02	- -	0.0006	0.02
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-06	--	1E-06	--	2E-06	None Reported	0.001	- -	0.002	0.003
			Chemical Total	5E-06	--	2E-06	--	7E-06		0.2	--	0.008	0.2
		Exposure Point Total						7E-06					0.2
	Exposure Medium Total							7E-06					0.2
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	4E-11	--	--	4E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	1E-08	--	--	1E-08	Respiratory	- -	0.0007	- -	0.0007
			ARSENIC	--	8E-10	--	--	8E-10	NA	- -	0.00007	- -	0.00007
			COBALT	--	6E-09	--	--	6E-09	Lungs	- -	0.0006	- -	0.0006
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	2E-08	--	--	2E-08	Lungs	- -	0.000005	- -	0.000005
			Chemical Total	--	4E-08	--	--	4E-08		- -	0.001	- -	0.001
		Exposure Point Total						4E-08					0.001
	Exposure Medium Total							4E-08					0.001
Medium Total								7E-06					0.2
Receptor Total							Receptor Risk Total	1E-04				Receptor HI Total	0.3

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.003
Total Blood HI	0.2
Total Body Weight HI	0.002
Total CVS HI	0.06
Total Kidney HI	0.03
Total Lungs HI	0.001
Total None Reported HI	0.005
Total Skin HI	0.06
Total Respiratory HI	0.0007
Total NA HI	0.0001

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	2E-05	--	1E-05	--	3E-05	NA	--	- -	--	--
			ANTIMONY	- -	--	- -	--	- -	Blood	0.003	- -	0.0007	0.004
			ARSENIC	1E-06	--	1E-07	--	1E-06	Skin, CVS	0.02	- -	0.002	0.02
			CADMIUM	- -	--	- -	--	- -	Kidney	0.0003	- -	0.00004	0.0003
			COBALT	- -	--	- -	--	- -	Blood	0.04	- -	0.002	0.04
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0009	- -	0.0005	0.001
			MOLYBDENUM	- -	--	- -	--	- -	Gout	0.0001	- -	0.000005	0.0001
			NICKEL	- -	--	- -	--	- -	Body Weight	0.0007	- -	0.0007	0.001
			VANADIUM	- -	--	- -	--	- -	Kidney	0.007	- -	0.0003	0.008
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	1E-07	--	2E-07	--	3E-07	None Reported	0.0005	- -	0.0008	0.001
			Chemical Total	2E-05	--	1E-05	--	3E-05		0.07	--	0.007	0.08
		Exposure Point Total						3E-05					0.08
	Exposure Medium Total							3E-05					0.08
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	7E-10	--	--	7E-10	NA	- -	--	- -	--
			ANTIMONY	--	- -	--	--	- -	NA	- -	--	- -	--
			ARSENIC	--	8E-10	--	--	8E-10	NA	- -	0.00007	- -	0.00007
			CADMIUM	--	2E-11	--	--	2E-11	NA	- -	0.000006	- -	0.000006
			COBALT	--	4E-09	--	--	4E-09	Lungs	- -	0.0005	- -	0.0005
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.000002	- -	0.000002
			MOLYBDENUM	--	- -	--	--	- -	NA	- -	--	- -	--
			NICKEL	--	1E-10	--	--	1E-10	Body Weight	- -	0.00004	- -	0.00004
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	5E-09	--	--	5E-09	Lungs	- -	0.000003	- -	0.000003
			Chemical Total	--	1E-08	--	--	1E-08		- -	0.0006	- -	0.0006
		Exposure Point Total						1E-08					0.0006
	Exposure Medium Total							1E-08					0.0006
Medium Total								3E-05					0.08

TABLE 9.13.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - ADULT RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	4E-07	--	2E-07	--	7E-07	NA	--	- -	--	--
			NAPHTHALENE	- -	--	- -	--	- -	Body Weight	0.00001	- -	0.000005	0.00002
			ARSENIC	1E-06	--	2E-07	--	1E-06	Skin, CVS	0.02	- -	0.002	0.02
			COBALT	- -	--	- -	--	- -	Blood	0.06	- -	0.002	0.06
			LEAD	- -	--	- -	--	- -	NA	--	- -	--	--
			MERCURY	- -	--	- -	--	- -	Autoimmune	0.0001	- -	0.00008	0.0002
			VANADIUM	- -	--	- -	--	- -	Kidney	0.01	- -	0.0004	0.01
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -	NA	--	- -	--	--
			HEXAVALENT CHROMIUM	2E-07	--	3E-07	--	5E-07	None Reported	0.0008	- -	0.001	0.002
			Chemical Total	2E-06	--	7E-07	--	3E-06		0.09	--	0.006	0.09
		Exposure Point Total						3E-06					0.09
	Exposure Medium Total							3E-06					0.09
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	1E-11	--	--	1E-11	NA	- -	--	- -	--
			NAPHTHALENE	--	1E-08	--	--	1E-08	Respiratory	- -	0.0007	- -	0.0007
			ARSENIC	--	8E-10	--	--	8E-10	NA	- -	0.00007	- -	0.00007
			COBALT	--	6E-09	--	--	6E-09	Lungs	- -	0.0006	- -	0.0006
			LEAD	--	- -	--	--	- -	NA	- -	--	- -	--
			MERCURY	--	- -	--	--	- -	NA	- -	0.0000003	- -	0.0000003
			VANADIUM	--	- -	--	--	- -	NA	- -	--	- -	--
			DIESEL RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -	NA	- -	--	- -	--
			HEXAVALENT CHROMIUM	--	8E-09	--	--	8E-09	Lungs	- -	0.000005	- -	0.000005
			Chemical Total	--	3E-08	--	--	3E-08		- -	0.001	- -	0.001
		Exposure Point Total						3E-08					0.001
	Exposure Medium Total							3E-08					0.001
Medium Total								3E-06					0.09
Receptor Total							Receptor Risk Total	4E-05				Receptor HI Total	0.2

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

Total Autoimmune HI	0.002
Total Blood HI	0.1
Total Body Weight HI	0.002
Total CVS HI	0.04
Total Kidney HI	0.02
Total Lungs HI	0.001
Total None Reported HI	0.003
Total Skin HI	0.04
Total Respiratory HI	0.0007
Total NA HI	0.0001

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	6E-04	--	2E-04	--	8E-04					
			ANTIMONY	- -	--	- -	--	- -					
			ARSENIC	9E-06	--	8E-07	--	1E-05					
			CADMIUM	- -	--	- -	--	- -					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			MOLYBDENUM	- -	--	- -	--	- -					
			NICKEL	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	4E-06	--	5E-06	--	8E-06					
			Chemical Total	6E-04	--	2E-04	--	9E-04					
		Exposure Point Total						9E-04					
	Exposure Medium Total							9E-04					
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	4E-09	--	--	4E-09					
			ANTIMONY	--	- -	--	--	- -					
			ARSENIC	--	2E-09	--	--	2E-09					
			CADMIUM	--	5E-11	--	--	5E-11					
			COBALT	--	1E-08	--	--	1E-08					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			MOLYBDENUM	--	- -	--	--	- -					
			NICKEL	--	4E-10	--	--	4E-10					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	3E-08	--	--	3E-08					
			Chemical Total	--	5E-08	--	--	5E-08					
		Exposure Point Total						5E-08					
	Exposure Medium Total							5E-08					
Medium Total								9E-04					

TABLE 9.14.RME

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPC - BLOCK H - LIFELONG RESIDENT

REASONABLE MAXIMUM EXPOSURES

LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Lifelong

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Subsurface Soil	Subsurface Soil	Block H	BENZO(A)PYRENE EQUIVALENTS	1E-05	--	5E-06	--	2E-05					
			NAPHTHALENE	- -	--	- -	--	- -					
			ARSENIC	9E-06	--	9E-07	--	1E-05					
			COBALT	- -	--	- -	--	- -					
			LEAD	- -	--	- -	--	- -					
			MERCURY	- -	--	- -	--	- -					
			VANADIUM	- -	--	- -	--	- -					
			DIESEL RANGE ORGANICS	- -	--	- -	--	- -					
			GASOLINE RANGE ORGANICS	- -	--	- -	--	- -					
			HEXAVALENT CHROMIUM	6E-06	--	7E-06	--	1E-05					
			Chemical Total	3E-05	--	1E-05	--	4E-05					
		Exposure Point Total						4E-05					
	Exposure Medium Total							4E-05					
	Air	Block H	BENZO(A)PYRENE EQUIVALENTS	--	9E-11	--	--	9E-11					
			NAPHTHALENE	--	3E-08	--	--	3E-08					
			ARSENIC	--	2E-09	--	--	2E-09					
			COBALT	--	1E-08	--	--	1E-08					
			LEAD	--	- -	--	--	- -					
			MERCURY	--	- -	--	--	- -					
			VANADIUM	--	- -	--	--	- -					
			DIESEL RANGE ORGANICS	--	- -	--	--	- -					
			GASOLINE RANGE ORGANICS	--	- -	--	--	- -					
			HEXAVALENT CHROMIUM	--	5E-08	--	--	5E-08					
			Chemical Total	--	1E-07	--	--	1E-07					
		Exposure Point Total						1E-07					
	Exposure Medium Total							1E-07					
Medium Total								4E-05					
Receptor Total							Receptor Risk Total	9E-04					

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

2 - See Section 3 of the text for benzo(a)pyrene equivalents calculation methodology.

APPENDIX D-2

ProUCL OUTPUT

Subsurface Soil

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	BLOCK D.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ARSENIC

General Statistics

Number of Valid Data	89	Number of Detected Data	83
Number of Distinct Detected Data	54	Number of Non-Detect Data	6
Number of Missing Values	354	Percent Non-Detects	6.74%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.65	Minimum Detected	-0.431
Maximum Detected	14.3	Maximum Detected	2.66
Mean of Detected	4.431	Mean of Detected	1.334
SD of Detected	2.341	SD of Detected	0.6
Minimum Non-Detect	0.51	Minimum Non-Detect	-0.673
Maximum Non-Detect	3	Maximum Non-Detect	1.099
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	29
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	60
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	32.58%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.0745	Lilliefors Test Statistic	0.128
5% Lilliefors Critical Value	0.0973	5% Lilliefors Critical Value	0.0973
Data appear Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	4.166	Mean	1.181
SD	2.47	SD	0.829
95% DL/2 (t) UCL	4.601	95% H-Stat (DL/2) UCL	5.523
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	4.048	Mean in Log Scale	1.25
SD	2.669	SD in Log Scale	0.661
95% MLE (t) UCL	4.518	Mean in Original Scale	4.208
95% MLE (Tiku) UCL	4.553	SD in Original Scale	2.409
		95% t UCL	4.633
		95% Percentile Bootstrap UCL	4.626
		95% BCA Bootstrap UCL	4.66
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	3.273	**Data appear Normal at 5% Significance Level**	

Theta Star	1.354		
nu star	543.3		
A-D Test Statistic	0.465	**Nonparametric Statistics**	
5% A-D Critical Value	0.758	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.758	Mean	4.187
5% K-S Critical Value	0.0987	SD	2.426
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.259
		95% KM (t) UCL	4.617
Assuming Gamma Distribution		95% KM (z) UCL	4.613
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	4.612
Minimum	1E-12	95% KM (bootstrap t) UCL	4.652
Maximum	14.3	95% KM (BCA) UCL	4.667
Mean	4.159	95% KM (Percentile Bootstrap) UCL	4.616
Median	4	95% KM (Chebyshev) UCL	5.315
SD	2.488	97.5% KM (Chebyshev) UCL	5.804
k star	0.441	99% KM (Chebyshev) UCL	6.763
Theta star	9.436		
Nu star	78.45	**Potential UCLs to Use**	
AppChi2	59.04	95% KM (t) UCL	4.617
95% Gamma Approximate UCL	5.526	95% KM (Percentile Bootstrap) UCL	4.616
95% Adjusted Gamma UCL	5.552		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

LEAD

General Statistics

Number of Valid Data	90	Number of Detected Data	88
Number of Distinct Detected Data	66	Number of Non-Detect Data	2
Number of Missing Values	353	Percent Non-Detects	2.22%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	2.9	Minimum Detected	1.065
Maximum Detected	1010	Maximum Detected	6.918
Mean of Detected	23.38	Mean of Detected	2.198
SD of Detected	107.5	SD of Detected	0.884
Minimum Non-Detect	2.6	Minimum Non-Detect	0.956
Maximum Non-Detect	2.7	Maximum Non-Detect	0.993
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	2
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	88
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	2.22%

UCL Statistics

Normal Distribution Test with Detected Values Only	**Lognormal Distribution Test with Detected Values Only**

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

Lilliefors Test Statistic	0.424	Lilliefors Test Statistic	0.153
5% Lilliefors Critical Value	0.0944	5% Lilliefors Critical Value	0.0944
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	22.89	Mean	2.155
SD	106.3	SD	0.919
95% DL/2 (t) UCL	41.52	95% H-Stat (DL/2) UCL	16.26
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	21.16	Mean in Log Scale	2.152
SD	107.1	SD in Log Scale	0.926
95% MLE (t) UCL	39.93	Mean in Original Scale	22.88
95% MLE (Tiku) UCL	37.69	SD in Original Scale	106.3
		95% t UCL	41.51
		95% Percentile Bootstrap UCL	44.76
		95% BCA Bootstrap UCL	66.07
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.627	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	37.27		
nu star	110.4		
A-D Test Statistic	12.89	**Nonparametric Statistics**	
5% A-D Critical Value	0.804	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.804	Mean	22.92
5% K-S Critical Value	0.0998	SD	105.7
Data not Gamma Distributed at 5% Significance Level		SE of Mean	11.21
		95% KM (t) UCL	41.55
Assuming Gamma Distribution		95% KM (z) UCL	41.36
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	41.55
Minimum	1E-12	95% KM (bootstrap t) UCL	162
Maximum	1010	95% KM (BCA) UCL	45.59
Mean	22.86	95% KM (Percentile Bootstrap) UCL	45
Median	7.35	95% KM (Chebyshev) UCL	71.78
SD	106.3	97.5% KM (Chebyshev) UCL	92.93
k star	0.405	99% KM (Chebyshev) UCL	134.5
Theta star	56.48		
Nu star	72.84	**Potential UCLs to Use**	
AppChi2	54.19	95% KM (BCA) UCL	45.59
95% Gamma Approximate UCL	30.72		
95% Adjusted Gamma UCL	30.87		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY			
General Statistics			
Number of Valid Data	171	Number of Detected Data	57
Number of Distinct Detected Data	45	Number of Non-Detect Data	114
Number of Missing Values	272	Percent Non-Detects	66.67%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.021	Minimum Detected	-3.863
Maximum Detected	3.3	Maximum Detected	1.194
Mean of Detected	0.337	Mean of Detected	-1.842
SD of Detected	0.511	SD of Detected	1.287
Minimum Non-Detect	0.002	Minimum Non-Detect	-6.215
Maximum Non-Detect	0.15	Maximum Non-Detect	-1.897
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	139
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	32
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	81.29%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.268	Lilliefors Test Statistic	0.119
5% Lilliefors Critical Value	0.117	5% Lilliefors Critical Value	0.117
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.128	Mean	-3.35
SD	0.329	SD	1.485
95% DL/2 (t) UCL	0.17	95% H-Stat (DL/2) UCL	0.143
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-4.204
		SD in Log Scale	2.059
		Mean in Original Scale	0.118
		SD in Original Scale	0.332
		95% t UCL	0.16
		95% Percentile Bootstrap UCL	0.163
		95% BCA Bootstrap UCL	0.172
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.757	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	0.446		
nu star	86.34		
A-D Test Statistic	1.089	**Nonparametric Statistics**	
5% A-D Critical Value	0.791	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.791	Mean	0.128
5% K-S Critical Value	0.122	SD	0.328
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.0253

		95% KM (t) UCL	0.169
Assuming Gamma Distribution		95% KM (z) UCL	0.169
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.169
Minimum	0.0144	95% KM (bootstrap t) UCL	0.198
Maximum	3.3	95% KM (BCA) UCL	0.18
Mean	0.36	95% KM (Percentile Bootstrap) UCL	0.172
Median	0.33	95% KM (Chebyshev) UCL	0.238
SD	0.34	97.5% KM (Chebyshev) UCL	0.286
k star	1.347	99% KM (Chebyshev) UCL	0.38
Theta star	0.268		
Nu star	460.7	**Potential UCLs to Use**	
AppChi2	411.9	95% KM (BCA) UCL	0.18
95% Gamma Approximate UCL	0.403		
95% Adjusted Gamma UCL	0.403		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	84	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	84
Number of Missing Values	359	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,3-TRICHLOROBENZENE was not processed!

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	84	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	84
Number of Missing Values	359	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,4-TRICHLOROBENZENE was not processed!

1,3-DICHLOROBENZENE

General Statistics

Number of Valid Data	84	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	84
Number of Missing Values	359	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,3-DICHLOROBENZENE was not processed!

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	84	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	84
Number of Missing Values	359	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,4-DICHLOROBENZENE was not processed!

OV_NAPHTHALENE

General Statistics

Number of Valid Data	84	Number of Detected Data	3
Number of Distinct Detected Data	3	Number of Non-Detect Data	81
Number of Missing Values	359	Percent Non-Detects	96.43%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	16	Minimum Detected	2.773
Maximum Detected	4000	Maximum Detected	8.294
Mean of Detected	1972	Mean of Detected	6.205
SD of Detected	1993	SD of Detected	2.996
Minimum Non-Detect	0.13	Minimum Non-Detect	-2.04
Maximum Non-Detect	7	Maximum Non-Detect	1.946
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	81
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	3
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	96.43%

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

Warning: There are only 3 Distinct Detected Values in this data set			
The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.			
Those methods will return a 'N/A' value on your output display!			
It is necessary to have 4 or more Distinct Values for bootstrap methods.			
However, results obtained using 4 to 9 distinct values may not be reliable.			
It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.			
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.999	Shapiro Wilk Test Statistic	0.849
5% Shapiro Wilk Critical Value	0.767	5% Shapiro Wilk Critical Value	0.767
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	71.62	Mean	-0.3
SD	480.7	SD	1.899
95% DL/2 (t) UCL	158.9	95% H-Stat (DL/2) UCL	8.844
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-18.51
		SD in Log Scale	8.425
		Mean in Original Scale	70.43
		SD in Original Scale	480.9
		95% t UCL	157.7
		95% Percentile Bootstrap UCL	165.7
		95% BCA Bootstrap UCL	238.1
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data appear Normal at 5% Significance Level**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	85.86
5% K-S Critical Value	N/A	SD	475.7
Data not Gamma Distributed at 5% Significance Level		SE of Mean	63.57
		95% KM (t) UCL	191.6
Assuming Gamma Distribution		95% KM (z) UCL	190.4
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1294
Minimum	N/A	95% KM (bootstrap t) UCL	131.2
Maximum	N/A	95% KM (BCA) UCL	4000
Mean	N/A	95% KM (Percentile Bootstrap) UCL	4000
Median	N/A	95% KM (Chebyshev) UCL	363
SD	N/A	97.5% KM (Chebyshev) UCL	482.9
k star	N/A	99% KM (Chebyshev) UCL	718.4
Theta star	N/A		

Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	95% KM (t) UCL	191.6
95% Gamma Approximate UCL	N/A	95% KM (Percentile Bootstrap) UCL	4000
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PAH_NAPHTHALENE

General Statistics

Number of Valid Data	157	Number of Detected Data	34
Number of Distinct Detected Data	30	Number of Non-Detect Data	123
Number of Missing Values	286	Percent Non-Detects	78.34%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	8.9	Minimum Detected	2.186
Maximum Detected	1600	Maximum Detected	7.378
Mean of Detected	150.9	Mean of Detected	3.86
SD of Detected	309.6	SD of Detected	1.436
Minimum Non-Detect	3.6	Minimum Non-Detect	1.281
Maximum Non-Detect	3900	Maximum Non-Detect	8.269
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	157
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.508	Shapiro Wilk Test Statistic	0.914
5% Shapiro Wilk Critical Value	0.933	5% Shapiro Wilk Critical Value	0.933
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	86.91	Mean	2.111
SD	266.6	SD	2.052
95% DL/2 (t) UCL	122.1	95% H-Stat (DL/2) UCL	117.8
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	0.231
		SD in Log Scale	2.574
		Mean in Original Scale	33.86
		SD in Original Scale	155.2
		95% t UCL	54.36
		95% Percentile Bootstrap UCL	56.36
		95% BCA Bootstrap UCL	65.6

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.514	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	293.4		
nu star	34.97		
A-D Test Statistic	2.205	**Nonparametric Statistics**	
5% A-D Critical Value	0.808	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.808	Mean	42.02
5% K-S Critical Value	0.159	SD	155.2
Data not Gamma Distributed at 5% Significance Level		SE of Mean	12.76
		95% KM (t) UCL	63.13
Assuming Gamma Distribution		95% KM (z) UCL	63.01
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	62.89
Minimum	1E-12	95% KM (bootstrap t) UCL	85.52
Maximum	1600	95% KM (BCA) UCL	67.93
Mean	133.1	95% KM (Percentile Bootstrap) UCL	65.11
Median	126.2	95% KM (Chebyshev) UCL	97.63
SD	149.3	97.5% KM (Chebyshev) UCL	121.7
k star	1.033	99% KM (Chebyshev) UCL	169
Theta star	128.8		
Nu star	324.4	**Potential UCLs to Use**	
AppChi2	283.6	95% KM (BCA) UCL	67.93
95% Gamma Approximate UCL	152.2		
95% Adjusted Gamma UCL	152.4		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

AROCLOR-1254

General Statistics

Number of Valid Data	96	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	96
Number of Missing Values	347	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1254 was not processed!

AROCLOR-1260

General Statistics

Number of Valid Data	96	Number of Detected Data	1
Number of Distinct Detected Data	1	Number of Non-Detect Data	95
Number of Missing Values	347	Percent Non-Detects	98.96%

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1260 was not processed!

DIESEL RANGE ORGANICS

General Statistics

Number of Valid Data	84	Number of Detected Data	53
Number of Distinct Detected Data	43	Number of Non-Detect Data	31
Number of Missing Values	359	Percent Non-Detects	36.90%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	3400	Minimum Detected	8.132
Maximum Detected	230000	Maximum Detected	12.35
Mean of Detected	32626	Mean of Detected	9.741
SD of Detected	43875	SD of Detected	1.114
Minimum Non-Detect	3200	Minimum Non-Detect	8.071
Maximum Non-Detect	27000	Maximum Non-Detect	10.2
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	66
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	18
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	78.57%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.253	Lilliefors Test Statistic	0.151
5% Lilliefors Critical Value	0.122	5% Lilliefors Critical Value	0.122
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	22484	Mean	9.236
SD	37242	SD	1.169
95% DL/2 (t) UCL	29243	95% H-Stat (DL/2) UCL	27666
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	9.121
		SD in Log Scale	1.302
		Mean in Original Scale	22186
		SD in Original Scale	37402
		95% t UCL	28974
		95% Percentile Bootstrap UCL	29494
		95% BCA Bootstrap UCL	31148

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.859	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	37986		
nu star	91.04		
A-D Test Statistic	2.256	**Nonparametric Statistics**	
5% A-D Critical Value	0.785	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.785	Mean	22522
5% K-S Critical Value	0.126	SD	36994
Data not Gamma Distributed at 5% Significance Level		SE of Mean	4079
		95% KM (t) UCL	29307
Assuming Gamma Distribution		95% KM (z) UCL	29231
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	29180
Minimum	3400	95% KM (bootstrap t) UCL	31900
Maximum	230000	95% KM (BCA) UCL	29627
Mean	30562	95% KM (Percentile Bootstrap) UCL	29866
Median	17702	95% KM (Chebyshev) UCL	40302
SD	35521	97.5% KM (Chebyshev) UCL	47995
k star	1.22	99% KM (Chebyshev) UCL	63106
Theta star	25060		
Nu star	204.9	**Potential UCLs to Use**	
AppChi2	172.8	95% KM (Chebyshev) UCL	40302
95% Gamma Approximate UCL	36244		
95% Adjusted Gamma UCL	36352		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	84	Number of Detected Data	3
Number of Distinct Detected Data	3	Number of Non-Detect Data	81
Number of Missing Values	359	Percent Non-Detects	96.43%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	150	Minimum Detected	5.011
Maximum Detected	250	Maximum Detected	5.521
Mean of Detected	196.7	Mean of Detected	5.26
SD of Detected	50.33	SD of Detected	0.256
Minimum Non-Detect	51	Minimum Non-Detect	3.932
Maximum Non-Detect	150	Maximum Non-Detect	5.011
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	81
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	3
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	96.43%

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

Warning: There are only 3 Distinct Detected Values in this data set

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.

However, results obtained using 4 to 9 distinct values may not be reliable.

It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.987	Shapiro Wilk Test Statistic	0.998
5% Shapiro Wilk Critical Value	0.767	5% Shapiro Wilk Critical Value	0.767
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	43.67	Mean	3.623
SD	34.48	SD	0.487
95% DL/2 (t) UCL	49.93	95% H-Stat (DL/2) UCL	46.5
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	2.823
		SD in Log Scale	0.918
		Mean in Original Scale	27.01
		SD in Original Scale	37.36
		95% t UCL	33.79
		95% Percentile Bootstrap UCL	33.73
		95% BCA Bootstrap UCL	35.65
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data appear Normal at 5% Significance Level**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	151.7
5% K-S Critical Value	N/A	SD	11.63
Data not Gamma Distributed at 5% Significance Level		SE of Mean	1.554
		95% KM (t) UCL	154.3
Assuming Gamma Distribution		95% KM (z) UCL	154.2
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	177.3
Minimum	N/A	95% KM (bootstrap t) UCL	153.1
Maximum	N/A	95% KM (BCA) UCL	N/A
Mean	N/A	95% KM (Percentile Bootstrap) UCL	N/A
Median	N/A	95% KM (Chebyshev) UCL	158.4
SD	N/A	97.5% KM (Chebyshev) UCL	161.4
k star	N/A	99% KM (Chebyshev) UCL	167.1

Theta star	N/A		
Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	95% KM (t) UCL	154.3
95% Gamma Approximate UCL	N/A	95% KM (Percentile Bootstrap) UCL	N/A
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

COBALT

General Statistics

Number of Valid Observations	66	Number of Distinct Observations	56
Number of Missing Values	272		

Raw Statistics		**Log-transformed Statistics**	
Minimum	2	Minimum of Log Data	0.693
Maximum	33	Maximum of Log Data	3.497
Mean	10.06	Mean of log Data	2.09
Median	7.05	SD of log Data	0.652
SD	7.313		
Coefficient of Variation	0.727		
Skewness	1.524		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Lilliefors Test Statistic	0.191	Lilliefors Test Statistic	0.094
Lilliefors Critical Value	0.109	Lilliefors Critical Value	0.109
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	11.56	95% H-UCL	11.73
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	13.75
95% Adjusted-CLT UCL (Chen-1995)	11.72	97.5% Chebyshev (MVUE) UCL	15.39
95% Modified-t UCL (Johnson-1978)	11.59	99% Chebyshev (MVUE) UCL	18.61
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.338	**Data appear Lognormal at 5% Significance Level**	
Theta Star	4.303		
MLE of Mean	10.06		
MLE of Standard Deviation	6.58		
nu star	308.6		
Approximate Chi Square Value (.05)	268.9	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0464	95% CLT UCL	11.54
Adjusted Chi Square Value	268.1	95% Jackknife UCL	11.56
		95% Standard Bootstrap UCL	11.54
Anderson-Darling Test Statistic	1.305	95% Bootstrap-t UCL	11.81
Anderson-Darling 5% Critical Value	0.761	95% Hall's Bootstrap UCL	11.81
Kolmogorov-Smirnov Test Statistic	0.131	95% Percentile Bootstrap UCL	11.61
Kolmogorov-Smirnov 5% Critical Value	0.111	95% BCA Bootstrap UCL	11.68
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	13.98
		97.5% Chebyshev(Mean, Sd) UCL	15.68

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	19.02
95% Approximate Gamma UCL	11.55		
95% Adjusted Gamma UCL	11.58		
Potential UCL to Use		Use 95% H-UCL	11.73

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.

H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.

It is therefore recommended to avoid the use of H-statistic based 95% UCLs.

Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

IRON

General Statistics

Number of Valid Observations	60	Number of Distinct Observations	58
Number of Missing Values	224		

Raw Statistics		**Log-transformed Statistics**	
Minimum	1420	Minimum of Log Data	7.258
Maximum	72900	Maximum of Log Data	11.2
Mean	27943	Mean of log Data	10.05
Median	28150	SD of log Data	0.742
SD	13883		
Coefficient of Variation	0.497		
Skewness	0.323		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Lilliefors Test Statistic	0.0623	Lilliefors Test Statistic	0.19
Lilliefors Critical Value	0.114	Lilliefors Critical Value	0.114
Data appear Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	30937	95% H-UCL	37223
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	44287
95% Adjusted-CLT UCL (Chen-1995)	30970	97.5% Chebyshev (MVUE) UCL	50353
95% Modified-t UCL (Johnson-1978)	30950	99% Chebyshev (MVUE) UCL	62269

Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.661	**Data appear Normal at 5% Significance Level**	
Theta Star	10500		
MLE of Mean	27943		
MLE of Standard Deviation	17128		
nu star	319.4		
Approximate Chi Square Value (.05)	279	**Nonparametric Statistics**	
Adjusted Level of Significance	0.046	95% CLT UCL	30890

Adjusted Chi Square Value	278	95% Jackknife UCL	30937
		95% Standard Bootstrap UCL	30810
Anderson-Darling Test Statistic	1.646	95% Bootstrap-t UCL	31216
Anderson-Darling 5% Critical Value	0.759	95% Hall's Bootstrap UCL	30956
Kolmogorov-Smirnov Test Statistic	0.139	95% Percentile Bootstrap UCL	30895
Kolmogorov-Smirnov 5% Critical Value	0.116	95% BCA Bootstrap UCL	31044
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	35755
		97.5% Chebyshev(Mean, Sd) UCL	39135
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	45775
95% Approximate Gamma UCL	31990		
95% Adjusted Gamma UCL	32096		
Potential UCL to Use		Use 95% Student's-t UCL	30937

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

MANGANESE

General Statistics

Number of Valid Observations	60	Number of Distinct Observations	59
Number of Missing Values	224		

Raw Statistics		**Log-transformed Statistics**	
Minimum	5.9	Minimum of Log Data	1.775
Maximum	326	Maximum of Log Data	5.787
Mean	56.92	Mean of log Data	3.733
Median	44.75	SD of log Data	0.822
SD	49.36		
Coefficient of Variation	0.867		
Skewness	2.959		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Lilliefors Test Statistic	0.151	Lilliefors Test Statistic	0.0972
Lilliefors Critical Value	0.114	Lilliefors Critical Value	0.114
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	67.56	95% H-UCL	73.8
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	88.59
95% Adjusted-CLT UCL (Chen-1995)	70	97.5% Chebyshev (MVUE) UCL	101.8
95% Modified-t UCL (Johnson-1978)	67.97	99% Chebyshev (MVUE) UCL	127.6
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.694	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	33.6		
MLE of Mean	56.92		
MLE of Standard Deviation	43.73		

nu star	203.2		
Approximate Chi Square Value (.05)	171.3	**Nonparametric Statistics**	
Adjusted Level of Significance	0.046	95% CLT UCL	67.4
Adjusted Chi Square Value	170.5	95% Jackknife UCL	67.56
		95% Standard Bootstrap UCL	67.14
Anderson-Darling Test Statistic	0.374	95% Bootstrap-t UCL	70.49
Anderson-Darling 5% Critical Value	0.766	95% Hall's Bootstrap UCL	80.46
Kolmogorov-Smirnov Test Statistic	0.0605	95% Percentile Bootstrap UCL	67.95
Kolmogorov-Smirnov 5% Critical Value	0.116	95% BCA Bootstrap UCL	69.65
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	84.69
		97.5% Chebyshev(Mean, Sd) UCL	96.71
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	120.3
95% Approximate Gamma UCL	67.55		
95% Adjusted Gamma UCL	67.83		
Potential UCL to Use		Use 95% Approximate Gamma UCL	67.55

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

VANADIUM

General Statistics

Number of Valid Observations	66	Number of Distinct Observations	61
Number of Missing Values	272		

Raw Statistics		**Log-transformed Statistics**	
Minimum	2.1	Minimum of Log Data	0.742
Maximum	90.5	Maximum of Log Data	4.505
Mean	38.64	Mean of log Data	3.524
Median	38.1	SD of log Data	0.593
SD	17.48		
Coefficient of Variation	0.453		
Skewness	0.661		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Lilliefors Test Statistic	0.0944	Lilliefors Test Statistic	0.155
Lilliefors Critical Value	0.109	Lilliefors Critical Value	0.109
Data appear Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	42.23	95% H-UCL	46.57
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	54.03
95% Adjusted-CLT UCL (Chen-1995)	42.36	97.5% Chebyshev (MVUE) UCL	59.98
95% Modified-t UCL (Johnson-1978)	42.26	99% Chebyshev (MVUE) UCL	71.66
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	3.815	**Data appear Normal at 5% Significance Level**	

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Theta Star	10.13		
MLE of Mean	38.64		
MLE of Standard Deviation	19.78		
nu star	503.6		
Approximate Chi Square Value (.05)	452.5	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0464	95% CLT UCL	42.18
Adjusted Chi Square Value	451.4	95% Jackknife UCL	42.23
		95% Standard Bootstrap UCL	42.07
Anderson-Darling Test Statistic	0.837	95% Bootstrap-t UCL	42.5
Anderson-Darling 5% Critical Value	0.755	95% Hall's Bootstrap UCL	42.71
Kolmogorov-Smirnov Test Statistic	0.114	95% Percentile Bootstrap UCL	42.31
Kolmogorov-Smirnov 5% Critical Value	0.11	95% BCA Bootstrap UCL	42.51
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	48.02
		97.5% Chebyshev(Mean, Sd) UCL	52.08
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	60.05
95% Approximate Gamma UCL	43		
95% Adjusted Gamma UCL	43.1		
Potential UCL to Use		Use 95% Student's-t UCL	42.23

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CHROMIUM

General Statistics

Number of Valid Observations	90	Number of Distinct Observations	81
Number of Missing Values	1		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.11	Minimum of Log Data	-2.207
Maximum	6	Maximum of Log Data	1.792
Mean	1.113	Mean of log Data	-0.0254
Median	1.013	SD of log Data	0.528
SD	0.692		
Coefficient of Variation	0.621		
Skewness	4.287		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Lilliefors Test Statistic	0.191	Lilliefors Test Statistic	0.116
Lilliefors Critical Value	0.0934	Lilliefors Critical Value	0.0934
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	1.234	95% H-UCL	1.244
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.407
95% Adjusted-CLT UCL (Chen-1995)	1.268	97.5% Chebyshev (MVUE) UCL	1.532
95% Modified-t UCL (Johnson-1978)	1.24	99% Chebyshev (MVUE) UCL	1.777
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	3.814	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	0.292		
MLE of Mean	1.113		
MLE of Standard Deviation	0.57		
nu star	686.5		
Approximate Chi Square Value (.05)	626.7	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0473	95% CLT UCL	1.233
Adjusted Chi Square Value	625.8	95% Jackknife UCL	1.234
		95% Standard Bootstrap UCL	1.23
Anderson-Darling Test Statistic	1.757	95% Bootstrap-t UCL	1.297
Anderson-Darling 5% Critical Value	0.756	95% Hall's Bootstrap UCL	1.761
Kolmogorov-Smirnov Test Statistic	0.112	95% Percentile Bootstrap UCL	1.242
Kolmogorov-Smirnov 5% Critical Value	0.0945	95% BCA Bootstrap UCL	1.264
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	1.431
		97.5% Chebyshev(Mean, Sd) UCL	1.568

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL					1.838
95% Approximate Gamma UCL	1.219						
95% Adjusted Gamma UCL	1.221						
Potential UCL to Use		Use 95% Chebyshev (Mean, Sd) UCL					1.431
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.							
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)							
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.							

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BENZO(A)PYRENE EQUIVALENTS

General Statistics

Number of Valid Data	418	Number of Detected Data	222
Number of Distinct Detected Data	212	Number of Non-Detect Data	196
Number of Missing Values	26	Percent Non-Detects	46.89%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	2.446	Minimum Detected	0.894
Maximum Detected	24437	Maximum Detected	10.1
Mean of Detected	436.3	Mean of Detected	4.28
SD of Detected	1843	SD of Detected	1.698
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	4200	Maximum Non-Detect	8.343
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	411
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	7
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	98.33%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.407	Lilliefors Test Statistic	0.0617
5% Lilliefors Critical Value	0.0595	5% Lilliefors Critical Value	0.0595
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	247.4	Mean	2.625
SD	1361	SD	2.456
95% DL/2 (t) UCL	357.1	95% H-Stat (DL/2) UCL	437.1
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	2.424
		SD in Log Scale	2.541
		Mean in Original Scale	233.6
		SD in Original Scale	1359
		95% t UCL	343.2
		95% Percentile Bootstrap UCL	353.9
		95% BCA Bootstrap UCL	418.2
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.369	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	1184		

PROUCL OUTPUT - BLOCK D SUBSURFACE SOIL

nu star	163.6		
A-D Test Statistic	17.3	**Nonparametric Statistics**	
5% A-D Critical Value	0.852	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.852	Mean	235
5% K-S Critical Value	0.0658	SD	1357
Data not Gamma Distributed at 5% Significance Level		SE of Mean	66.54
		95% KM (t) UCL	344.7
Assuming Gamma Distribution		95% KM (z) UCL	344.5
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	344.6
Minimum	1E-12	95% KM (bootstrap t) UCL	483.2
Maximum	24437	95% KM (BCA) UCL	368.4
Mean	421.2	95% KM (Percentile Bootstrap) UCL	346.8
Median	45.63	95% KM (Chebyshev) UCL	525.1
SD	1504	97.5% KM (Chebyshev) UCL	650.6
k star	0.0874	99% KM (Chebyshev) UCL	897.1
Theta star	4817		
Nu star	73.11	**Potential UCLs to Use**	
AppChi2	54.42	97.5% KM (Chebyshev) UCL	650.6
95% Gamma Approximate UCL	565.8		
95% Adjusted Gamma UCL	566.4		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CHROMIUM

General Statistics

Number of Valid Data	54	Number of Detected Data	45
Number of Distinct Detected Data	38	Number of Non-Detect Data	9
Number of Missing Values	1	Percent Non-Detects	16.67%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.075	Minimum Detected	-2.59
Maximum Detected	1.35	Maximum Detected	0.3
Mean of Detected	0.473	Mean of Detected	-0.902
SD of Detected	0.269	SD of Detected	0.588
Minimum Non-Detect	0.165	Minimum Non-Detect	-1.802
Maximum Non-Detect	0.7	Maximum Non-Detect	-0.357
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	50
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	4
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	92.59%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.868	Shapiro Wilk Test Statistic	0.957
5% Shapiro Wilk Critical Value	0.945	5% Shapiro Wilk Critical Value	0.945
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.424	Mean	-1.065
SD	0.272	SD	0.684
95% DL/2 (t) UCL	0.486	95% H-Stat (DL/2) UCL	0.527
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	1.169	Mean in Log Scale	-1.014
SD	0.222	SD in Log Scale	0.604
95% MLE (t) UCL	1.22	Mean in Original Scale	0.431
95% MLE (Tiku) UCL	1.354	SD in Original Scale	0.265
		95% t UCL	0.491
		95% Percentile Bootstrap UCL	0.489
		95% BCA Bootstrap UCL	0.497
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	3.186	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.149		

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

nu star	286.7		
A-D Test Statistic	0.578	**Nonparametric Statistics**	
5% A-D Critical Value	0.754	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.754	Mean	0.43
5% K-S Critical Value	0.133	SD	0.267
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0372
		95% KM (t) UCL	0.492
Assuming Gamma Distribution		95% KM (z) UCL	0.491
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.492
Minimum	0.075	95% KM (bootstrap t) UCL	0.502
Maximum	1.35	95% KM (BCA) UCL	0.493
Mean	0.442	95% KM (Percentile Bootstrap) UCL	0.491
Median	0.422	95% KM (Chebyshev) UCL	0.592
SD	0.263	97.5% KM (Chebyshev) UCL	0.662
k star	2.939	99% KM (Chebyshev) UCL	0.8
Theta star	0.15		
Nu star	317.4	**Potential UCLs to Use**	
AppChi2	277.2	95% KM (BCA) UCL	0.493
95% Gamma Approximate UCL	0.506		
95% Adjusted Gamma UCL	0.508		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

LEAD

General Statistics

Number of Valid Data	54	Number of Detected Data	47
Number of Distinct Detected Data	35	Number of Non-Detect Data	7
Number of Missing Values	216	Percent Non-Detects	12.96%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.71	Minimum Detected	-0.342
Maximum Detected	14.4	Maximum Detected	2.667
Mean of Detected	3.923	Mean of Detected	1.194
SD of Detected	2.561	SD of Detected	0.593
Minimum Non-Detect	2.8	Minimum Non-Detect	1.03
Maximum Non-Detect	3.4	Maximum Non-Detect	1.224
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	30
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	24
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	55.56%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.827	Shapiro Wilk Test Statistic	0.988
5% Shapiro Wilk Critical Value	0.946	5% Shapiro Wilk Critical Value	0.946
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	3.623	Mean	1.101
SD	2.512	SD	0.604
95% DL/2 (t) UCL	4.196	95% H-Stat (DL/2) UCL	4.243
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	2.563	Mean in Log Scale	1.128
SD	3.616	SD in Log Scale	0.583
95% MLE (t) UCL	3.387	Mean in Original Scale	3.674
95% MLE (Tiku) UCL	3.662	SD in Original Scale	2.477
		95% t UCL	4.239
		95% Percentile Bootstrap UCL	4.255
		95% BCA Bootstrap UCL	4.318
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.873	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	1.365		

nu star	270		
A-D Test Statistic	0.562	**Nonparametric Statistics**	
5% A-D Critical Value	0.756	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.756	Mean	3.683
5% K-S Critical Value	0.13	SD	2.457
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.34
		95% KM (t) UCL	4.252
Assuming Gamma Distribution		95% KM (z) UCL	4.242
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	4.251
Minimum	0.71	95% KM (bootstrap t) UCL	4.446
Maximum	14.4	95% KM (BCA) UCL	4.251
Mean	3.763	95% KM (Percentile Bootstrap) UCL	4.257
Median	3.3	95% KM (Chebyshev) UCL	5.165
SD	2.444	97.5% KM (Chebyshev) UCL	5.806
k star	2.995	99% KM (Chebyshev) UCL	7.066
Theta star	1.256		
Nu star	323.5	**Potential UCLs to Use**	
AppChi2	282.8	95% KM (BCA) UCL	4.251
95% Gamma Approximate UCL	4.304		
95% Adjusted Gamma UCL	4.32		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	54	Number of Detected Data	2
Number of Distinct Detected Data	2	Number of Non-Detect Data	52
Number of Missing Values	216	Percent Non-Detects	96.30%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.079	Minimum Detected	-2.538
Maximum Detected	0.29	Maximum Detected	-1.238
Mean of Detected	0.185	Mean of Detected	-1.888
SD of Detected	0.149	SD of Detected	0.92
Minimum Non-Detect	0.019	Minimum Non-Detect	-3.963
Maximum Non-Detect	0.14	Maximum Non-Detect	-1.966
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	53
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	98.15%

Warning: Data set has only 2 Distinct Detected Values.

This may not be adequate enough to compute meaningful and reliable test statistics and estimates.

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.

However, results obtained using 4 to 9 distinct values may not be reliable.

It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	N/A	Shapiro Wilk Test Statistic	N/A
5% Shapiro Wilk Critical Value	N/A	5% Shapiro Wilk Critical Value	N/A
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0305	Mean	-4.031
SD	0.0439	SD	0.934
95% DL/2 (t) UCL	0.0405	95% H-Stat (DL/2) UCL	0.0367
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	N/A
		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% t UCL	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	0.0829
5% K-S Critical Value	N/A	SD	0.0284
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.00547
		95% KM (t) UCL	0.0921
Assuming Gamma Distribution		95% KM (z) UCL	0.0919
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.22
Minimum	N/A	95% KM (bootstrap t) UCL	N/A
Maximum	N/A	95% KM (BCA) UCL	0.29
Mean	N/A	95% KM (Percentile Bootstrap) UCL	0.29
Median	N/A	95% KM (Chebyshev) UCL	0.107
SD	N/A	97.5% KM (Chebyshev) UCL	0.117
k star	N/A	99% KM (Chebyshev) UCL	0.137
Theta star	N/A		

Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	95% KM (t) UCL	0.0921
95% Gamma Approximate UCL	N/A	95% KM (% Bootstrap) UCL	0.29
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	100	Number of Detected Data	32
Number of Distinct Detected Data	32	Number of Non-Detect Data	68
Number of Missing Values	170	Percent Non-Detects	68.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.6	Minimum Detected	-0.511
Maximum Detected	2200000	Maximum Detected	14.6
Mean of Detected	80223	Mean of Detected	6.038
SD of Detected	387877	SD of Detected	3.803
Minimum Non-Detect	0.28	Minimum Non-Detect	-1.273
Maximum Non-Detect	11	Maximum Non-Detect	2.398
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	75
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	25
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	75.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.217	Shapiro Wilk Test Statistic	0.968
5% Shapiro Wilk Critical Value	0.93	5% Shapiro Wilk Critical Value	0.93
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	25673	Mean	2.192
SD	220283	SD	3.562
95% DL/2 (t) UCL	62248	95% H-Stat (DL/2) UCL	37168
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-1.21
		SD in Log Scale	6.123
		Mean in Original Scale	25672
		SD in Original Scale	220283
		95% t UCL	62247
		95% Percentile Bootstrap UCL	69124
		95% BCA Bootstrap UCL	94461

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	0.154	Data appear Lognormal at 5% Significance Level	
Theta Star	521528		
nu star	9.845		
A-D Test Statistic	2.74	Nonparametric Statistics	
5% A-D Critical Value	0.926	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.926	Mean	25672
5% K-S Critical Value	0.174	SD	219179
Data not Gamma Distributed at 5% Significance Level		SE of Mean	22269
		95% KM (t) UCL	62647
Assuming Gamma Distribution		95% KM (z) UCL	62301
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	62247
Minimum	1E-12	95% KM (bootstrap t) UCL	660745
Maximum	2200000	95% KM (BCA) UCL	70106
Mean	84042	95% KM (Percentile Bootstrap) UCL	69651
Median	92929	95% KM (Chebyshev) UCL	122738
SD	217912	97.5% KM (Chebyshev) UCL	164739
k star	0.315	99% KM (Chebyshev) UCL	247242
Theta star	266695		
Nu star	63.02	Potential UCLs to Use	
AppChi2	45.76	97.5% KM (Chebyshev) UCL	164739
95% Gamma Approximate UCL	115743		
95% Adjusted Gamma UCL	116288		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	100	Number of Detected Data	32
Number of Distinct Detected Data	31	Number of Non-Detect Data	68
Number of Missing Values	170	Percent Non-Detects	68.00%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	5.9	Minimum Detected	1.775
Maximum Detected	9600000	Maximum Detected	16.08
Mean of Detected	364319	Mean of Detected	7.616
SD of Detected	1693378	SD of Detected	3.817
Minimum Non-Detect	0.23	Minimum Non-Detect	-1.47
Maximum Non-Detect	52	Maximum Non-Detect	3.951
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	75
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	25
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	75.00%

UCL Statistics

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.228	Shapiro Wilk Test Statistic	0.956
5% Shapiro Wilk Critical Value	0.93	5% Shapiro Wilk Critical Value	0.93
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	116584	Mean	2.768
SD	962853	SD	4.071
95% DL/2 (t) UCL	276455	95% H-Stat (DL/2) UCL	825121
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-0.519
		SD in Log Scale	6.546
		Mean in Original Scale	116582
		SD in Original Scale	962853
		95% t UCL	276454
		95% Percentile Bootstrap UCL	302016
		95% BCA Bootstrap UCL	406961
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.155	**Data appear Lognormal at 5% Significance Level**	
Theta Star	2346523		
nu star	9.937		
A-D Test Statistic	2.641	**Nonparametric Statistics**	
5% A-D Critical Value	0.925	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.925	Mean	116586
5% K-S Critical Value	0.174	SD	958026
Data not Gamma Distributed at 5% Significance Level		SE of Mean	97336
		95% KM (t) UCL	278201
Assuming Gamma Distribution		95% KM (z) UCL	276689
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	276456
Minimum	1E-12	95% KM (bootstrap t) UCL	2271910
Maximum	21134971	95% KM (BCA) UCL	312538
Mean	1345729	95% KM (Percentile Bootstrap) UCL	305381
Median	16.5	95% KM (Chebyshev) UCL	540862
SD	3696300	97.5% KM (Chebyshev) UCL	724447
k star	0.0475	99% KM (Chebyshev) UCL	1085063
Theta star	28329884		
Nu star	9.5	**Potential UCLs to Use**	
AppChi2	3.632	97.5% KM (Chebyshev) UCL	724447
95% Gamma Approximate UCL	3520103		
95% Adjusted Gamma UCL	3572194		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,3-DICHLOROBENZENE

General Statistics

Number of Valid Data	100	Number of Detected Data	14
Number of Distinct Detected Data	14	Number of Non-Detect Data	86
Number of Missing Values	170	Percent Non-Detects	86.00%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.39	Minimum Detected	-0.942
Maximum Detected	38000	Maximum Detected	10.55
Mean of Detected	5795	Mean of Detected	3.653
SD of Detected	13475	SD of Detected	4.139
Minimum Non-Detect	0.25	Minimum Non-Detect	-1.386
Maximum Non-Detect	12000	Maximum Non-Detect	9.393
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	98
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	2
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	98.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.476	Shapiro Wilk Test Statistic	0.888
5% Shapiro Wilk Critical Value	0.874	5% Shapiro Wilk Critical Value	0.874
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	894.3	Mean	1.181
SD	5308	SD	2.579
95% DL/2 (t) UCL	1776	95% H-Stat (DL/2) UCL	268
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-7.08
		SD in Log Scale	5.933
		Mean in Original Scale	811.4
		SD in Original Scale	5285
		95% t UCL	1689
		95% Percentile Bootstrap UCL	1900
		95% BCA Bootstrap UCL	2306
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.168	**Data appear Lognormal at 5% Significance Level**	
Theta Star	34542		
nu star	4.698		
A-D Test Statistic	1.249	**Nonparametric Statistics**	
5% A-D Critical Value	0.889	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.889	Mean	812.8
5% K-S Critical Value	0.255	SD	5258
Data not Gamma Distributed at 5% Significance Level		SE of Mean	545.7
		95% KM (t) UCL	1719

Assuming Gamma Distribution		95% KM (z) UCL	1710
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1690
Minimum	0.39	95% KM (bootstrap t) UCL	11831
Maximum	128506	95% KM (BCA) UCL	1943
Mean	13559	95% KM (Percentile Bootstrap) UCL	1637
Median	5055	95% KM (Chebyshev) UCL	3191
SD	23754	97.5% KM (Chebyshev) UCL	4221
k star	0.45	99% KM (Chebyshev) UCL	6242
Theta star	30105		
Nu star	90.08	**Potential UCLs to Use**	
AppChi2	69.19	97.5% KM (Chebyshev) UCL	4221
95% Gamma Approximate UCL	17651		
95% Adjusted Gamma UCL	17719		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	100	Number of Detected Data	28
Number of Distinct Detected Data	27	Number of Non-Detect Data	72
Number of Missing Values	170	Percent Non-Detects	72.00%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	1.6	Minimum Detected	0.47
Maximum Detected	130000	Maximum Detected	11.78
Mean of Detected	6806	Mean of Detected	5.216
SD of Detected	24884	SD of Detected	2.742
Minimum Non-Detect	0.48	Minimum Non-Detect	-0.734
Maximum Non-Detect	290	Maximum Non-Detect	5.67
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	91
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	9
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	91.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.305	Shapiro Wilk Test Statistic	0.943
5% Shapiro Wilk Critical Value	0.924	5% Shapiro Wilk Critical Value	0.924
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1909	Mean	1.812
SD	13353	SD	2.767
95% DL/2 (t) UCL	4126	95% H-Stat (DL/2) UCL	970

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-1.319
		SD in Log Scale	4.907
		Mean in Original Scale	1906
		SD in Original Scale	13353
		95% t UCL	4123
		95% Percentile Bootstrap UCL	4360
		95% BCA Bootstrap UCL	6743
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.205	**Data appear Lognormal at 5% Significance Level**	
Theta Star	33140		
nu star	11.5		
A-D Test Statistic	2.921	**Nonparametric Statistics**	
5% A-D Critical Value	0.896	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.896	Mean	1907
5% K-S Critical Value	0.183	SD	13286
Data not Gamma Distributed at 5% Significance Level		SE of Mean	1353
		95% KM (t) UCL	4153
Assuming Gamma Distribution		95% KM (z) UCL	4132
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	4119
Minimum	1.6	95% KM (bootstrap t) UCL	14786
Maximum	130000	95% KM (BCA) UCL	4403
Mean	6695	95% KM (Percentile Bootstrap) UCL	4300
Median	7006	95% KM (Chebyshev) UCL	7804
SD	13088	97.5% KM (Chebyshev) UCL	10356
k star	0.534	99% KM (Chebyshev) UCL	15369
Theta star	12546		
Nu star	106.7	**Potential UCLs to Use**	
AppChi2	83.89	97.5% KM (Chebyshev) UCL	10356
95% Gamma Approximate UCL	8518		
95% Adjusted Gamma UCL	8548		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

BAP EQUIVALENT-HALFND

General Statistics

Number of Valid Data	100	Number of Detected Data	19
Number of Distinct Detected Data	19	Number of Non-Detect Data	81
Number of Missing Values	170	Percent Non-Detects	81.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	60.21	Minimum Detected	4.098
Maximum Detected	39347	Maximum Detected	10.58
Mean of Detected	2455	Mean of Detected	5.97

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

SD of Detected	8945	SD of Detected	1.315
Minimum Non-Detect	3.8	Minimum Non-Detect	1.335
Maximum Non-Detect	3800	Maximum Non-Detect	8.243
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	99
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	99.00%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.271	Shapiro Wilk Test Statistic	0.711
5% Shapiro Wilk Critical Value	0.901	5% Shapiro Wilk Critical Value	0.901
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	567.7	Mean	3.737
SD	3928	SD	2.378
95% DL/2 (t) UCL	1220	95% H-Stat (DL/2) UCL	1809
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	3.319
		SD in Log Scale	1.766
		Mean in Original Scale	489.1
		SD in Original Scale	3932
		95% t UCL	1142
		95% Percentile Bootstrap UCL	1270
		95% BCA Bootstrap UCL	2044
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.342	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	7186		
nu star	12.98		
A-D Test Statistic	4.477	**Nonparametric Statistics**	
5% A-D Critical Value	0.83	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.83	Mean	531.4
5% K-S Critical Value	0.213	SD	3908
Data not Gamma Distributed at 5% Significance Level		SE of Mean	401.6
		95% KM (t) UCL	1198
Assuming Gamma Distribution		95% KM (z) UCL	1192
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1133
Minimum	1E-12	95% KM (bootstrap t) UCL	14652
Maximum	39347	95% KM (BCA) UCL	1737
Mean	2150	95% KM (Percentile Bootstrap) UCL	1343
Median	1721	95% KM (Chebyshev) UCL	2282
SD	4027	97.5% KM (Chebyshev) UCL	3039
k star	0.113	99% KM (Chebyshev) UCL	4527
Theta star	18968		
Nu star	22.67	**Potential UCLs to Use**	
AppChi2	12.84	95% KM (BCA) UCL	1737

95% Gamma Approximate UCL	3796		
95% Adjusted Gamma UCL	3828		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PAH_NAPHTHALENE

General Statistics

Number of Valid Data	100	Number of Detected Data	14
Number of Distinct Detected Data	13	Number of Non-Detect Data	86
Number of Missing Values	170	Percent Non-Detects	86.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	17	Minimum Detected	2.833
Maximum Detected	460	Maximum Detected	6.131
Mean of Detected	134.1	Mean of Detected	4.291
SD of Detected	145.3	SD of Detected	1.172
Minimum Non-Detect	3.8	Minimum Non-Detect	1.335
Maximum Non-Detect	11000	Maximum Non-Detect	9.306
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	100
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.793	Shapiro Wilk Test Statistic	0.899
5% Shapiro Wilk Critical Value	0.874	5% Shapiro Wilk Critical Value	0.874
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	194.8	Mean	3.833
SD	574.1	SD	2.062
95% DL/2 (t) UCL	290.1	95% H-Stat (DL/2) UCL	799.6
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	1.943
		SD in Log Scale	1.538
		Mean in Original Scale	27.38
		SD in Original Scale	69.65
		95% t UCL	38.94
		95% Percentile Bootstrap UCL	39.58
		95% BCA Bootstrap UCL	42.56
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.799	**Data appear Lognormal at 5% Significance Level**	

Theta Star	167.9		
nu star	22.36		
A-D Test Statistic	0.768	**Nonparametric Statistics**	
5% A-D Critical Value	0.762	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.762	Mean	46.47
5% K-S Critical Value	0.236	SD	82.05
Data not Gamma Distributed at 5% Significance Level		SE of Mean	11.39
		95% KM (t) UCL	65.38
Assuming Gamma Distribution		95% KM (z) UCL	65.21
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	63.82
Minimum	17	95% KM (bootstrap t) UCL	71.72
Maximum	460	95% KM (BCA) UCL	72.14
Mean	113.7	95% KM (Percentile Bootstrap) UCL	67.35
Median	111.7	95% KM (Chebyshev) UCL	96.13
SD	62.68	97.5% KM (Chebyshev) UCL	117.6
k star	3.474	99% KM (Chebyshev) UCL	159.8
Theta star	32.72		
Nu star	694.7	**Potential UCLs to Use**	
AppChi2	634.6	95% KM (BCA) UCL	72.14
95% Gamma Approximate UCL	124.4		
95% Adjusted Gamma UCL	124.6		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

AROCLOR-1254

General Statistics

Number of Valid Data	255	Number of Detected Data	3
Number of Distinct Detected Data	3	Number of Non-Detect Data	252
Number of Missing Values	15	Percent Non-Detects	98.82%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	27	Minimum Detected	3.296
Maximum Detected	9800	Maximum Detected	9.19
Mean of Detected	3290	Mean of Detected	5.423
SD of Detected	5638	SD of Detected	3.271
Minimum Non-Detect	17.5	Minimum Non-Detect	2.862
Maximum Non-Detect	1100000	Maximum Non-Detect	13.91
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	255
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

Warning: There are only 3 Distinct Detected Values in this data set

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

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It is necessary to have 4 or more Distinct Values for bootstrap methods.			
However, results obtained using 4 to 9 distinct values may not be reliable.			
It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.			
UCL Statistics			
Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.751	Shapiro Wilk Test Statistic	0.812
5% Shapiro Wilk Critical Value	0.767	5% Shapiro Wilk Critical Value	0.767
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	3683	Mean	3.099
SD	35863	SD	1.857
95% DL/2 (t) UCL	7391	95% H-Stat (DL/2) UCL	175.7
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-20.42
		SD in Log Scale	8.38
		Mean in Original Scale	38.71
		SD in Original Scale	613.7
		95% t UCL	102.2
		95% Percentile Bootstrap UCL	115.6
		95% BCA Bootstrap UCL	192.3
Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	N/A	Data appear Lognormal at 5% Significance Level	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	Nonparametric Statistics	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	67.14
5% K-S Critical Value	N/A	SD	624.4
Data not Gamma Distributed at 5% Significance Level		SE of Mean	48.95
		95% KM (t) UCL	148
Assuming Gamma Distribution		95% KM (z) UCL	147.7
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	122.2
Minimum	N/A	95% KM (bootstrap t) UCL	16492
Maximum	N/A	95% KM (BCA) UCL	9800
Mean	N/A	95% KM (Percentile Bootstrap) UCL	9800
Median	N/A	95% KM (Chebyshev) UCL	280.5
SD	N/A	97.5% KM (Chebyshev) UCL	372.9
k star	N/A	99% KM (Chebyshev) UCL	554.2
Theta star	N/A		
Nu star	N/A	Potential UCLs to Use	
AppChi2	N/A	97.5% KM (Chebyshev) UCL	372.9
95% Gamma Approximate UCL	N/A		
95% Adjusted Gamma UCL	N/A		

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

AROCLOR-1260

General Statistics

Number of Valid Data	255	Number of Detected Data	93
Number of Distinct Detected Data	82	Number of Non-Detect Data	162
Number of Missing Values	15	Percent Non-Detects	63.53%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	15	Minimum Detected	2.708
Maximum Detected	24000000	Maximum Detected	16.99
Mean of Detected	319537	Mean of Detected	6.27
SD of Detected	2494665	SD of Detected	3.176
Minimum Non-Detect	17.5	Minimum Non-Detect	2.862
Maximum Non-Detect	300	Maximum Non-Detect	5.704
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	214
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	41
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	83.92%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Lilliefors Test Statistic	0.449	Lilliefors Test Statistic	0.193
5% Lilliefors Critical Value	0.0919	5% Lilliefors Critical Value	0.0919
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	116546	Mean	3.887
SD	1509263	SD	2.658
95% DL/2 (t) UCL	272577	95% H-Stat (DL/2) UCL	3184
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	1.411
		SD in Log Scale	4.731
		Mean in Original Scale	116538
		SD in Original Scale	1509264
		95% t UCL	272569
		95% Percentile Bootstrap UCL	301123
		95% BCA Bootstrap UCL	480841
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.127	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	2525062		
nu star	23.54		

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

A-D Test Statistic	17.17	**Nonparametric Statistics**	
5% A-D Critical Value	0.99	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.99	Mean	116547
5% K-S Critical Value	0.106	SD	1506301
Data not Gamma Distributed at 5% Significance Level		SE of Mean	94840
		95% KM (t) UCL	273116
Assuming Gamma Distribution		95% KM (z) UCL	272545
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	272578
Minimum	15	95% KM (bootstrap t) UCL	2193606
Maximum	24000000	95% KM (BCA) UCL	304415
Mean	352826	95% KM (Percentile Bootstrap) UCL	300990
Median	253239	95% KM (Chebyshev) UCL	529943
SD	1513112	97.5% KM (Chebyshev) UCL	708820
k star	0.287	99% KM (Chebyshev) UCL	1060189
Theta star	1229754		
Nu star	146.3	**Potential UCLs to Use**	
AppChi2	119.4	97.5% KM (Chebyshev) UCL	708820
95% Gamma Approximate UCL	432504		
95% Adjusted Gamma UCL	433001		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

DIESEL RANGE ORGANICS

General Statistics

Number of Valid Data	41	Number of Detected Data	11
Number of Distinct Detected Data	11	Number of Non-Detect Data	30
Number of Missing Values	230	Percent Non-Detects	73.17%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	7300	Minimum Detected	8.896
Maximum Detected	28000000	Maximum Detected	17.15
Mean of Detected	3046445	Mean of Detected	12.63
SD of Detected	8298707	SD of Detected	2.4
Minimum Non-Detect	3300	Minimum Non-Detect	8.102
Maximum Non-Detect	29000	Maximum Non-Detect	10.28
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	32
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	9
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	78.05%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.405	Shapiro Wilk Test Statistic	0.94
5% Shapiro Wilk Critical Value	0.85	5% Shapiro Wilk Critical Value	0.85
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	826079	Mean	10.19
SD	4366922	SD	1.974
95% DL/2 (t) UCL	1974463	95% H-Stat (DL/2) UCL	575054
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	8.171
		SD in Log Scale	3.535
		Mean in Original Scale	820179
		SD in Original Scale	4368054
		95% t UCL	1968861
		95% Percentile Bootstrap UCL	2174248
		95% BCA Bootstrap UCL	2949692
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.279	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	10931992		
nu star	6.131		
A-D Test Statistic	0.9	**Nonparametric Statistics**	
5% A-D Critical Value	0.82	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.82	Mean	822732
5% K-S Critical Value	0.276	SD	4313970
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	706613
		95% KM (t) UCL	2012562
Assuming Gamma Distribution		95% KM (z) UCL	1985006
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1971140
Minimum	1E-12	95% KM (bootstrap t) UCL	13318178
Maximum	28000000	95% KM (BCA) UCL	2243344
Mean	3139294	95% KM (Percentile Bootstrap) UCL	2157239
Median	460000	95% KM (Chebyshev) UCL	3902785
SD	5621340	97.5% KM (Chebyshev) UCL	5235527
k star	0.0762	99% KM (Chebyshev) UCL	7853440
Theta star	41181006		
Nu star	6.251	**Potential UCLs to Use**	
AppChi2	1.769	95% KM (t) UCL	2012562
95% Gamma Approximate UCL	11090321		
95% Adjusted Gamma UCL	11651629		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	31	Number of Detected Data	15

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

Number of Distinct Detected Data	14	Number of Non-Detect Data	16
Number of Missing Values	239	Percent Non-Detects	51.61%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	56	Minimum Detected	4.025
Maximum Detected	170000	Maximum Detected	12.04
Mean of Detected	21525	Mean of Detected	6.436
SD of Detected	54509	SD of Detected	2.7
Minimum Non-Detect	55	Minimum Non-Detect	4.007
Maximum Non-Detect	280	Maximum Non-Detect	5.635
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	24
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	7
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	77.42%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.445	Shapiro Wilk Test Statistic	0.821
5% Shapiro Wilk Critical Value	0.881	5% Shapiro Wilk Critical Value	0.881
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	10446	Mean	5.183
SD	38801	SD	2.242
95% DL/2 (t) UCL	22274	95% H-Stat (DL/2) UCL	12191
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	4.23
		SD in Log Scale	3.13
		Mean in Original Scale	10432
		SD in Original Scale	38805
		95% t UCL	22261
		95% Percentile Bootstrap UCL	21840
		95% BCA Bootstrap UCL	26778
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.21	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	102567		
nu star	6.296		
A-D Test Statistic	2.149	**Nonparametric Statistics**	
5% A-D Critical Value	0.874	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.874	Mean	10450
5% K-S Critical Value	0.245	SD	38169
Data not Gamma Distributed at 5% Significance Level		SE of Mean	7096
		95% KM (t) UCL	22493
Assuming Gamma Distribution		95% KM (z) UCL	22122
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	22276
Minimum	56	95% KM (bootstrap t) UCL	365483
Maximum	170000	95% KM (BCA) UCL	22211

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

Mean	23020	95% KM (Percentile Bootstrap) UCL	23098
Median	18063	95% KM (Chebyshev) UCL	41380
SD	37550	97.5% KM (Chebyshev) UCL	54764
k star	0.364	99% KM (Chebyshev) UCL	81053
Theta star	63279		
Nu star	22.55	**Potential UCLs to Use**	
AppChi2	12.75	99% KM (Chebyshev) UCL	81053
95% Gamma Approximate UCL	40706		
95% Adjusted Gamma UCL	42058		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ARSENIC

General Statistics

Number of Valid Observations	54	Number of Distinct Observations	37
Number of Missing Values	216		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.22	Minimum of Log Data	-1.514
Maximum	5.5	Maximum of Log Data	1.705
Mean	1.277	Mean of log Data	0.0005547
Median	1.1	SD of log Data	0.711
SD	0.998		
Coefficient of Variation	0.781		
Skewness	2.362		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Lilliefors Test Statistic	0.158	Lilliefors Test Statistic	0.0984
Lilliefors Critical Value	0.121	Lilliefors Critical Value	0.121
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	1.505	95% H-UCL	1.572
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.874
95% Adjusted-CLT UCL (Chen-1995)	1.547	97.5% Chebyshev (MVUE) UCL	2.13
95% Modified-t UCL (Johnson-1978)	1.512	99% Chebyshev (MVUE) UCL	2.635
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.089	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.611		
MLE of Mean	1.277		
MLE of Standard Deviation	0.884		
nu star	225.6		
Approximate Chi Square Value (.05)	191.9	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0456	95% CLT UCL	1.501
Adjusted Chi Square Value	191	95% Jackknife UCL	1.505
		95% Standard Bootstrap UCL	1.495
Anderson-Darling Test Statistic	0.419	95% Bootstrap-t UCL	1.588
Anderson-Darling 5% Critical Value	0.762	95% Hall's Bootstrap UCL	1.641
Kolmogorov-Smirnov Test Statistic	0.0789	95% Percentile Bootstrap UCL	1.515
Kolmogorov-Smirnov 5% Critical Value	0.122	95% BCA Bootstrap UCL	1.541
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	1.869
		97.5% Chebyshev(Mean, Sd) UCL	2.125

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	2.629
95% Approximate Gamma UCL	1.502		
95% Adjusted Gamma UCL	1.509		
Potential UCL to Use		Use 95% Approximate Gamma UCL	1.502

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

COBALT

General Statistics

Number of Valid Observations	40	Number of Distinct Observations	32
Number of Missing Values	185		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.18	Minimum of Log Data	-1.715
Maximum	9.1	Maximum of Log Data	2.208
Mean	3.298	Mean of log Data	0.942
Median	2.9	SD of log Data	0.796
SD	2.17		
Coefficient of Variation	0.658		
Skewness	0.946		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.924	Shapiro Wilk Test Statistic	0.948
Shapiro Wilk Critical Value	0.94	Shapiro Wilk Critical Value	0.94
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	3.876	95% H-UCL	4.653
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	5.612
95% Adjusted-CLT UCL (Chen-1995)	3.917	97.5% Chebyshev (MVUE) UCL	6.532
95% Modified-t UCL (Johnson-1978)	3.884	99% Chebyshev (MVUE) UCL	8.34
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.001	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	1.648		
MLE of Mean	3.298		
MLE of Standard Deviation	2.331		
nu star	160.1		
Approximate Chi Square Value (.05)	131.8	**Nonparametric Statistics**	
Adjusted Level of Significance	0.044	95% CLT UCL	3.862
Adjusted Chi Square Value	130.8	95% Jackknife UCL	3.876
		95% Standard Bootstrap UCL	3.854
Anderson-Darling Test Statistic	0.163	95% Bootstrap-t UCL	3.973
Anderson-Darling 5% Critical Value	0.758	95% Hall's Bootstrap UCL	3.933
Kolmogorov-Smirnov Test Statistic	0.0721	95% Percentile Bootstrap UCL	3.867

Kolmogorov-Smirnov 5% Critical Value	0.141	95% BCA Bootstrap UCL	3.926
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	4.793
		97.5% Chebyshev(Mean, Sd) UCL	5.44
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	6.711
95% Approximate Gamma UCL	4.004		
95% Adjusted Gamma UCL	4.034		
Potential UCL to Use		Use 95% Approximate Gamma UCL	4.004

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

IRON

General Statistics

Number of Valid Observations	40	Number of Distinct Observations	37
Number of Missing Values	185		

Raw Statistics		**Log-transformed Statistics**	
Minimum	1290	Minimum of Log Data	7.162
Maximum	42200	Maximum of Log Data	10.65
Mean	14125	Mean of log Data	9.307
Median	12200	SD of log Data	0.785
SD	9444		
Coefficient of Variation	0.669		
Skewness	1.213		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.905	Shapiro Wilk Test Statistic	0.946
Shapiro Wilk Critical Value	0.94	Shapiro Wilk Critical Value	0.94
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	16641	95% H-UCL	19708
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	23760
95% Adjusted-CLT UCL (Chen-1995)	16887	97.5% Chebyshev (MVUE) UCL	27618
95% Modified-t UCL (Johnson-1978)	16688	99% Chebyshev (MVUE) UCL	35196

Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.016	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	7007		
MLE of Mean	14125		
MLE of Standard Deviation	9948		
nu star	161.3		
Approximate Chi Square Value (.05)	132.9	**Nonparametric Statistics**	
Adjusted Level of Significance	0.044	95% CLT UCL	16581
Adjusted Chi Square Value	131.9	95% Jackknife UCL	16641
		95% Standard Bootstrap UCL	16557

Anderson-Darling Test Statistic	0.269	95% Bootstrap-t UCL	16955
Anderson-Darling 5% Critical Value	0.758	95% Hall's Bootstrap UCL	17167
Kolmogorov-Smirnov Test Statistic	0.103	95% Percentile Bootstrap UCL	16543
Kolmogorov-Smirnov 5% Critical Value	0.141	95% BCA Bootstrap UCL	16827
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	20634
		97.5% Chebyshev(Mean, Sd) UCL	23450
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	28983
95% Approximate Gamma UCL	17138		
95% Adjusted Gamma UCL	17264		
Potential UCL to Use		Use 95% Approximate Gamma UCL	17138

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

MANGANESE

General Statistics

Number of Valid Observations	40	Number of Distinct Observations	39
Number of Missing Values	185		

Raw Statistics		**Log-transformed Statistics**	
Minimum	2.2	Minimum of Log Data	0.788
Maximum	280	Maximum of Log Data	5.635
Mean	57.95	Mean of log Data	3.56
Median	34	SD of log Data	1.06
SD	66.18		
Coefficient of Variation	1.142		
Skewness	2.327		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.688	Shapiro Wilk Test Statistic	0.959
Shapiro Wilk Critical Value	0.94	Shapiro Wilk Critical Value	0.94
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	75.58	95% H-UCL	93.88
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	112.5
95% Adjusted-CLT UCL (Chen-1995)	79.27	97.5% Chebyshev (MVUE) UCL	135
95% Modified-t UCL (Johnson-1978)	76.22	99% Chebyshev (MVUE) UCL	179.3
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.069	**Data appear Lognormal at 5% Significance Level**	
Theta Star	54.19		
MLE of Mean	57.95		
MLE of Standard Deviation	56.04		
nu star	85.55		
Approximate Chi Square Value (.05)	65.23	**Nonparametric Statistics**	

Adjusted Level of Significance	0.044	95% CLT UCL	75.16
Adjusted Chi Square Value	64.56	95% Jackknife UCL	75.58
		95% Standard Bootstrap UCL	74.51
Anderson-Darling Test Statistic	1.011	95% Bootstrap-t UCL	82.6
Anderson-Darling 5% Critical Value	0.775	95% Hall's Bootstrap UCL	79.52
Kolmogorov-Smirnov Test Statistic	0.173	95% Percentile Bootstrap UCL	75.76
Kolmogorov-Smirnov 5% Critical Value	0.143	95% BCA Bootstrap UCL	79.62
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	103.6
		97.5% Chebyshev(Mean, Sd) UCL	123.3
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	162.1
95% Approximate Gamma UCL	76		
95% Adjusted Gamma UCL	76.78		
Potential UCL to Use		Use 95% H-UCL	93.88

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.

H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.

It is therefore recommended to avoid the use of H-statistic based 95% UCLs.

Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

VANADIUM

General Statistics

Number of Valid Observations	40	Number of Distinct Observations	38
Number of Missing Values	185		

Raw Statistics		**Log-transformed Statistics**	
Minimum	2.2	Minimum of Log Data	0.788
Maximum	21.1	Maximum of Log Data	3.049
Mean	12.4	Mean of log Data	2.393
Median	13.3	SD of log Data	0.568
SD	5.145		
Coefficient of Variation	0.415		
Skewness	-0.39		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.948	Shapiro Wilk Test Statistic	0.849
Shapiro Wilk Critical Value	0.94	Shapiro Wilk Critical Value	0.94
Data appear Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	13.77	95% H-UCL	15.39
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	18.12
95% Adjusted-CLT UCL (Chen-1995)	13.68	97.5% Chebyshev (MVUE) UCL	20.42
95% Modified-t UCL (Johnson-1978)	13.76	99% Chebyshev (MVUE) UCL	24.94

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Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	3.887	**Data appear Normal at 5% Significance Level**	
Theta Star	3.19		
MLE of Mean	12.4		
MLE of Standard Deviation	6.289		
nu star	310.9		
Approximate Chi Square Value (.05)	271.1	**Nonparametric Statistics**	
Adjusted Level of Significance	0.044	95% CLT UCL	13.74
Adjusted Chi Square Value	269.7	95% Jackknife UCL	13.77
		95% Standard Bootstrap UCL	13.74
Anderson-Darling Test Statistic	1.546	95% Bootstrap-t UCL	13.67
Anderson-Darling 5% Critical Value	0.752	95% Hall's Bootstrap UCL	13.7
Kolmogorov-Smirnov Test Statistic	0.184	95% Percentile Bootstrap UCL	13.71
Kolmogorov-Smirnov 5% Critical Value	0.14	95% BCA Bootstrap UCL	13.6
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	15.94
		97.5% Chebyshev(Mean, Sd) UCL	17.48
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	20.49
95% Approximate Gamma UCL	14.22		
95% Adjusted Gamma UCL	14.29		
Potential UCL to Use		Use 95% Student's-t UCL	13.77

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

OV_NAPHTHALENE

General Statistics

Number of Valid Data	22	Number of Detected Data	9
Number of Distinct Detected Data	9	Number of Non-Detect Data	13
Number of Missing Values	100	Percent Non-Detects	59.09%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.56	Minimum Detected	-0.58
Maximum Detected	130	Maximum Detected	4.868
Mean of Detected	31.67	Mean of Detected	2.481
SD of Detected	42.49	SD of Detected	1.695
Minimum Non-Detect	2	Minimum Non-Detect	0.693
Maximum Non-Detect	6	Maximum Non-Detect	1.792
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	16
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	6
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	72.73%

Warning: There are only 9 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.758	Shapiro Wilk Test Statistic	0.977
5% Shapiro Wilk Critical Value	0.829	5% Shapiro Wilk Critical Value	0.829
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	14.29	Mean	1.427
SD	30.12	SD	1.435
95% DL/2 (t) UCL	25.34	95% H-Stat (DL/2) UCL	32.17
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	0.673
		SD in Log Scale	2.068
		Mean in Original Scale	13.57
		SD in Original Scale	30.43

PROUCL OUTPUT - BLOCK E SUBSURFACE SOIL

		95% t UCL	24.74
		95% Percentile Bootstrap UCL	24.44
		95% BCA Bootstrap UCL	30.59
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.494	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	64.13		
nu star	8.89		
A-D Test Statistic	0.203	**Nonparametric Statistics**	
5% A-D Critical Value	0.761	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.761	Mean	13.6
5% K-S Critical Value	0.292	SD	29.72
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	6.728
		95% KM (t) UCL	25.18
Assuming Gamma Distribution		95% KM (z) UCL	24.67
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	23.98
Minimum	0.56	95% KM (bootstrap t) UCL	43.05
Maximum	130	95% KM (BCA) UCL	29.89
Mean	31.46	95% KM (Percentile Bootstrap) UCL	26.69
Median	29.03	95% KM (Chebyshev) UCL	42.93
SD	26.42	97.5% KM (Chebyshev) UCL	55.62
k star	1.225	99% KM (Chebyshev) UCL	80.55
Theta star	25.68		
Nu star	53.89	**Potential UCLs to Use**	
AppChi2	38.03	95% KM (t) UCL	25.18
95% Gamma Approximate UCL	44.58		
95% Adjusted Gamma UCL	45.78		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

	General UCL Statistics for Data Sets with Non-Detects SURFACE SOIL
User Selected Options	
From File	BLOCK F.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ARSENIC

General Statistics

Number of Valid Data	36	Number of Detected Data	25
Number of Distinct Detected Data	22	Number of Non-Detect Data	11
Number of Missing Values	307	Percent Non-Detects	30.56%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.58	Minimum Detected	-0.545
Maximum Detected	7	Maximum Detected	1.946
Mean of Detected	2.522	Mean of Detected	0.751
SD of Detected	1.541	SD of Detected	0.616
Minimum Non-Detect	0.52	Minimum Non-Detect	-0.654
Maximum Non-Detect	2	Maximum Non-Detect	0.693
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	21
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	15
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	58.33%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.893	Shapiro Wilk Test Statistic	0.977
5% Shapiro Wilk Critical Value	0.918	5% Shapiro Wilk Critical Value	0.918
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1.858	Mean	0.171
SD	1.635	SD	1.043
95% DL/2 (t) UCL	2.318	95% H-Stat (DL/2) UCL	3.139
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	1.482	Mean in Log Scale	0.335
SD	2.112	SD in Log Scale	0.825
95% MLE (t) UCL	2.077	Mean in Original Scale	1.922
95% MLE (Tiku) UCL	2.303	SD in Original Scale	1.573
		95% t UCL	2.365
		95% Percentile Bootstrap UCL	2.368
		95% BCA Bootstrap UCL	2.396
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.687	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.939		
nu star	134.3		

A-D Test Statistic	1.25	Nonparametric Statistics	
5% A-D Critical Value	0.751	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.751	Mean	1.937
5% K-S Critical Value	0.176	SD	1.539
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.262
		95% KM (t) UCL	2.38
Assuming Gamma Distribution		95% KM (z) UCL	2.368
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	2.332
Minimum	0.282	95% KM (bootstrap t) UCL	2.441
Maximum	7	95% KM (BCA) UCL	2.492
Mean	2.138	95% KM (Percentile Bootstrap) UCL	2.404
Median	1.837	95% KM (Chebyshev) UCL	3.079
SD	1.443	97.5% KM (Chebyshev) UCL	3.573
k star	2.329	99% KM (Chebyshev) UCL	4.544
Theta star	0.918		
Nu star	167.7	**Potential UCLs to Use**	
AppChi2	138.7	95% KM (Percentile Bootstrap) UCL	2.404
95% Gamma Approximate UCL	2.584		
95% Adjusted Gamma UCL	2.606		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

COBALT

General Statistics

Number of Valid Data	13	Number of Detected Data	12
Number of Distinct Detected Data	10	Number of Non-Detect Data	1
Number of Missing Values	226	Percent Non-Detects	7.69%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	5.3	Minimum Detected	1.668
Maximum Detected	32.3	Maximum Detected	3.475
Mean of Detected	10.34	Mean of Detected	2.195
SD of Detected	7.391	SD of Detected	0.496
Minimum Non-Detect	3.2	Minimum Non-Detect	1.163
Maximum Non-Detect	3.2	Maximum Non-Detect	1.163

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.63	Shapiro Wilk Test Statistic	0.839
5% Shapiro Wilk Critical Value	0.859	5% Shapiro Wilk Critical Value	0.859
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	9.669	Mean	2.062
SD	7.48	SD	0.674
95% DL/2 (t) UCL	13.37	95% H-Stat (DL/2) UCL	15.53

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL			
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	9.469	Mean in Log Scale	2.107
SD	7.504	SD in Log Scale	0.569
95% MLE (t) UCL	13.18	Mean in Original Scale	9.768
95% MLE (Tiku) UCL	13.03	SD in Original Scale	7.372
		95% t UCL	13.41
		95% Percentile Bootstrap UCL	13.34
		95% BCA Bootstrap UCL	15.26
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.824	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	3.662		
nu star	67.77		
A-D Test Statistic	1.038	**Nonparametric Statistics**	
5% A-D Critical Value	0.737	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.737	Mean	9.954
5% K-S Critical Value	0.247	SD	6.93
Data not Gamma Distributed at 5% Significance Level		SE of Mean	2.008
		95% KM (t) UCL	13.53
Assuming Gamma Distribution		95% KM (z) UCL	13.26
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	13.49
Minimum	0.408	95% KM (bootstrap t) UCL	21.16
Maximum	32.3	95% KM (BCA) UCL	13.68
Mean	9.578	95% KM (Percentile Bootstrap) UCL	13.49
Median	8	95% KM (Chebyshev) UCL	18.7
SD	7.594	97.5% KM (Chebyshev) UCL	22.49
k star	1.437	99% KM (Chebyshev) UCL	29.93
Theta star	6.666		
Nu star	37.36	**Potential UCLs to Use**	
AppChi2	24.36	95% KM (Chebyshev) UCL	18.7
95% Gamma Approximate UCL	14.69		
95% Adjusted Gamma UCL	15.64		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

LEAD

General Statistics			
Number of Valid Data	36	Number of Detected Data	32
Number of Distinct Detected Data	26	Number of Non-Detect Data	4
Number of Missing Values	307	Percent Non-Detects	11.11%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	2.9	Minimum Detected	1.065
Maximum Detected	81	Maximum Detected	4.394
Mean of Detected	11.54	Mean of Detected	2.128
SD of Detected	14.72	SD of Detected	0.684

Minimum Non-Detect	2.6	Minimum Non-Detect	0.956
Maximum Non-Detect	3	Maximum Non-Detect	1.099
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	5
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	31
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	13.89%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.476	Shapiro Wilk Test Statistic	0.886
5% Shapiro Wilk Critical Value	0.93	5% Shapiro Wilk Critical Value	0.93
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	10.42	Mean	1.931
SD	14.22	SD	0.857
95% DL/2 (t) UCL	14.42	95% H-Stat (DL/2) UCL	13.75
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	9.163	Mean in Log Scale	1.965
SD	15.41	SD in Log Scale	0.796
95% MLE (t) UCL	13.5	Mean in Original Scale	10.48
95% MLE (Tiku) UCL	13.29	SD in Original Scale	14.18
		95% t UCL	14.47
		95% Percentile Bootstrap UCL	14.78
		95% BCA Bootstrap UCL	16.58
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.581	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	7.298		
nu star	101.2		
A-D Test Statistic	2.459	**Nonparametric Statistics**	
5% A-D Critical Value	0.762	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.762	Mean	10.58
5% K-S Critical Value	0.158	SD	13.92
Data not Gamma Distributed at 5% Significance Level		SE of Mean	2.358
		95% KM (t) UCL	14.56
Assuming Gamma Distribution		95% KM (z) UCL	14.46
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	14.53
Minimum	1E-12	95% KM (bootstrap t) UCL	23.56
Maximum	81	95% KM (BCA) UCL	15.2
Mean	10.26	95% KM (Percentile Bootstrap) UCL	14.82
Median	7.8	95% KM (Chebyshev) UCL	20.86
SD	14.33	97.5% KM (Chebyshev) UCL	25.3
k star	0.21	99% KM (Chebyshev) UCL	34.04
Theta star	48.93		
Nu star	15.1	**Potential UCLs to Use**	
AppChi2	7.328	95% KM (Chebyshev) UCL	20.86
95% Gamma Approximate UCL	21.13		
95% Adjusted Gamma UCL	21.87		

Note: DL/2 is not a recommended method.

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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	47	Number of Detected Data	17
Number of Distinct Detected Data	15	Number of Non-Detect Data	30
Number of Missing Values	296	Percent Non-Detects	63.83%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.01	Minimum Detected	-4.605
Maximum Detected	1.8	Maximum Detected	0.588
Mean of Detected	0.461	Mean of Detected	-1.794
SD of Detected	0.508	SD of Detected	1.804
Minimum Non-Detect	0.01	Minimum Non-Detect	-4.605
Maximum Non-Detect	0.12	Maximum Non-Detect	-2.12
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	37
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	10
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	78.72%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.829	Shapiro Wilk Test Statistic	0.886
5% Shapiro Wilk Critical Value	0.892	5% Shapiro Wilk Critical Value	0.892
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.194	Mean	-2.908
SD	0.362	SD	1.609
95% DL/2 (t) UCL	0.282	95% H-Stat (DL/2) UCL	0.412
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-4.199
		SD in Log Scale	2.494
		Mean in Original Scale	0.174
		SD in Original Scale	0.371
		95% t UCL	0.265
		95% Percentile Bootstrap UCL	0.259
		95% BCA Bootstrap UCL	0.282
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.538	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.856		
nu star	18.29		
A-D Test Statistic	0.604	**Nonparametric Statistics**	
5% A-D Critical Value	0.789	Kaplan-Meier (KM) Method	

K-S Test Statistic	0.189	Mean	0.179
5% K-S Critical Value	0.219	SD	0.365
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.055
		95% KM (t) UCL	0.271
Assuming Gamma Distribution		95% KM (z) UCL	0.27
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.27
Minimum	0.01	95% KM (bootstrap t) UCL	0.308
Maximum	1.8	95% KM (BCA) UCL	0.281
Mean	0.419	95% KM (Percentile Bootstrap) UCL	0.272
Median	0.307	95% KM (Chebyshev) UCL	0.419
SD	0.355	97.5% KM (Chebyshev) UCL	0.523
k star	1.133	99% KM (Chebyshev) UCL	0.726
Theta star	0.37		
Nu star	106.5	**Potential UCLs to Use**	
AppChi2	83.65	95% KM (t) UCL	0.271
95% Gamma Approximate UCL	0.533		
95% Adjusted Gamma UCL	0.537		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	36	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	36
Number of Missing Values	307	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,3-TRICHLOROBENZENE was not processed!

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	36	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	36
Number of Missing Values	307	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,4-TRICHLOROBENZENE was not processed!

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1,3-DICHLOROBENZENE

General Statistics

Number of Valid Data	36	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	36
Number of Missing Values	307	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,3-DICHLOROBENZENE was not processed!

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	36	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	36
Number of Missing Values	307	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,4-DICHLOROBENZENE was not processed!

PAH_NAPHTHALENE

General Statistics

Number of Valid Data	38	Number of Detected Data	2
Number of Distinct Detected Data	2	Number of Non-Detect Data	36
Number of Missing Values	305	Percent Non-Detects	94.74%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	58	Minimum Detected	4.06
Maximum Detected	31000	Maximum Detected	10.34
Mean of Detected	15529	Mean of Detected	7.201
SD of Detected	21879	SD of Detected	4.442
Minimum Non-Detect	3.6	Minimum Non-Detect	1.281
Maximum Non-Detect	420	Maximum Non-Detect	6.04
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	37
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	97.37%

Warning: Data set has only 2 Distinct Detected Values.

This may not be adequate enough to compute meaningful and reliable test statistics and estimates.

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

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Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.

However, results obtained using 4 to 9 distinct values may not be reliable.

It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	N/A	Shapiro Wilk Test Statistic	N/A
5% Shapiro Wilk Critical Value	N/A	5% Shapiro Wilk Critical Value	N/A
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	973.1	Mean	4.647
SD	5003	SD	1.962
95% DL/2 (t) UCL	2342	95% H-Stat (DL/2) UCL	2347
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	N/A
		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% t UCL	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	872.3
5% K-S Critical Value	N/A	SD	4953
Data not Gamma Distributed at 5% Significance Level		SE of Mean	1136
		95% KM (t) UCL	2789
Assuming Gamma Distribution		95% KM (z) UCL	2741
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	21070
Minimum	N/A	95% KM (bootstrap t) UCL	872.3
Maximum	N/A	95% KM (BCA) UCL	31000
Mean	N/A	95% KM (Percentile Bootstrap) UCL	31000
Median	N/A	95% KM (Chebyshev) UCL	5825
SD	N/A	97.5% KM (Chebyshev) UCL	7968
k star	N/A	99% KM (Chebyshev) UCL	12178
Theta star	N/A		
Nu star	N/A	**Potential UCLs to Use**	

Approximate Gamma UCL	N/A	99% KM (Chebyshev) UCL	12178
95% Gamma Approximate UCL	N/A		
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

AROCLOR-1254

General Statistics

Number of Valid Data	153	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	153
Number of Missing Values	190	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1254 was not processed!

AROCLOR-1260

General Statistics

Number of Valid Data	153	Number of Detected Data	4
Number of Distinct Detected Data	4	Number of Non-Detect Data	149
Number of Missing Values	190	Percent Non-Detects	97.39%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	15	Minimum Detected	2.708
Maximum Detected	27	Maximum Detected	3.296
Mean of Detected	20.5	Mean of Detected	2.998
SD of Detected	5	SD of Detected	0.243
Minimum Non-Detect	19	Minimum Non-Detect	2.944
Maximum Non-Detect	310	Maximum Non-Detect	5.737

Note: Data have multiple DLs - Use of KM Method is recommended	Number treated as Non-Detect	153
For all methods (except KM, DL/2, and ROS Methods),	Number treated as Detected	0
Observations < Largest ND are treated as NDs	Single DL Non-Detect Percentage	100.00%

Warning: There are only 4 Distinct Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only	Lognormal Distribution Test with Detected Values Only

Shapiro Wilk Test Statistic	0.982	Shapiro Wilk Test Statistic	0.995
5% Shapiro Wilk Critical Value	0.748	5% Shapiro Wilk Critical Value	0.748
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	27.59	Mean	2.979
SD	35.03	SD	0.673
95% DL/2 (t) UCL	32.28	95% H-Stat (DL/2) UCL	27.44
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	2.728
		SD in Log Scale	0.168
		Mean in Original Scale	15.52
		SD in Original Scale	2.666
		95% t UCL	15.87
		95% Percentile Bootstrap UCL	15.9
		95% BCA Bootstrap UCL	15.87
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	5.835	**Data appear Normal at 5% Significance Level**	
Theta Star	3.513		
nu star	46.68		
A-D Test Statistic	0.21	**Nonparametric Statistics**	
5% A-D Critical Value	0.657	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.657	Mean	15.95
5% K-S Critical Value	0.394	SD	2.302
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.665
		95% KM (t) UCL	17.05
Assuming Gamma Distribution		95% KM (z) UCL	17.04
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	18.29
Minimum	15	95% KM (bootstrap t) UCL	17.01
Maximum	27	95% KM (BCA) UCL	27
Mean	21.27	95% KM (Percentile Bootstrap) UCL	21.49
Median	21.59	95% KM (Chebyshev) UCL	18.85
SD	1.465	97.5% KM (Chebyshev) UCL	20.1
k star	199.3	99% KM (Chebyshev) UCL	22.57
Theta star	0.107		
Nu star	60991	**Potential UCLs to Use**	
AppChi2	60418	95% KM (t) UCL	17.05
95% Gamma Approximate UCL	21.47	95% KM (Percentile Bootstrap) UCL	21.49
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

DIESEL RANGE ORGANICS

General Statistics

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Number of Valid Data	22	Number of Detected Data	3
Number of Distinct Detected Data	3	Number of Non-Detect Data	19
Number of Missing Values	321	Percent Non-Detects	86.36%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	12000	Minimum Detected	9.393
Maximum Detected	881000	Maximum Detected	13.69
Mean of Detected	303333	Mean of Detected	10.94
SD of Detected	500280	SD of Detected	2.386
Minimum Non-Detect	11000	Minimum Non-Detect	9.306
Maximum Non-Detect	25000	Maximum Non-Detect	10.13
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	21
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	95.45%

Warning: There are only 3 Distinct Detected Values in this data set

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.

However, results obtained using 4 to 9 distinct values may not be reliable.

It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.754	Shapiro Wilk Test Statistic	0.81
5% Shapiro Wilk Critical Value	0.767	5% Shapiro Wilk Critical Value	0.767
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	48909	Mean	9.277
SD	185881	SD	1.054
95% DL/2 (t) UCL	117102	95% H-Stat (DL/2) UCL	34362
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	4.36
		SD in Log Scale	3.758
		Mean in Original Scale	41640
		SD in Original Scale	187523
		95% t UCL	110436
		95% Percentile Bootstrap UCL	121458
		95% BCA Bootstrap UCL	162515
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data appear Lognormal at 5% Significance Level**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	

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K-S Test Statistic	N/A	Mean	51898
5% K-S Critical Value	N/A	SD	180930
Data not Gamma Distributed at 5% Significance Level		SE of Mean	47245
		95% KM (t) UCL	133194
Assuming Gamma Distribution		95% KM (z) UCL	129608
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	116419
Minimum	N/A	95% KM (bootstrap t) UCL	4066300
Maximum	N/A	95% KM (BCA) UCL	881000
Mean	N/A	95% KM (Percentile Bootstrap) UCL	N/A
Median	N/A	95% KM (Chebyshev) UCL	257833
SD	N/A	97.5% KM (Chebyshev) UCL	346941
k star	N/A	99% KM (Chebyshev) UCL	521977
Theta star	N/A		
Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	99% KM (Chebyshev) UCL	521977
95% Gamma Approximate UCL	N/A		
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	36	Number of Detected Data	1
Number of Distinct Detected Data	1	Number of Non-Detect Data	35
Number of Missing Values	307	Percent Non-Detects	97.22%

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable GASOLINE RANGE ORGANICS was not processed!

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	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

VANADIUM

General Statistics

Number of Valid Observations	13	Number of Distinct Observations	13
Number of Missing Values	226		

Raw Statistics		**Log-transformed Statistics**	
Minimum	20.7	Minimum of Log Data	3.03
Maximum	61.6	Maximum of Log Data	4.121
Mean	34.86	Mean of log Data	3.516
Median	32.8	SD of log Data	0.27
SD	10.26		
Coefficient of Variation	0.294		
Skewness	1.524		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.873	Shapiro Wilk Test Statistic	0.953
Shapiro Wilk Critical Value	0.866	Shapiro Wilk Critical Value	0.866
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	39.93	95% H-UCL	40.41
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	46.24
95% Adjusted-CLT UCL (Chen-1995)	40.83	97.5% Chebyshev (MVUE) UCL	51.18
95% Modified-t UCL (Johnson-1978)	40.13	99% Chebyshev (MVUE) UCL	60.9
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	11.12	**Data appear Normal at 5% Significance Level**	
Theta Star	3.134		
MLE of Mean	34.86		
MLE of Standard Deviation	10.45		
nu star	289.2		
Approximate Chi Square Value (.05)	250.8	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0301	95% CLT UCL	39.54
Adjusted Chi Square Value	245.7	95% Jackknife UCL	39.93
		95% Standard Bootstrap UCL	39.51
Anderson-Darling Test Statistic	0.435	95% Bootstrap-t UCL	42.76
Anderson-Darling 5% Critical Value	0.734	95% Hall's Bootstrap UCL	68.58
Kolmogorov-Smirnov Test Statistic	0.215	95% Percentile Bootstrap UCL	39.69
Kolmogorov-Smirnov 5% Critical Value	0.236	95% BCA Bootstrap UCL	40.49
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	47.27
		97.5% Chebyshev(Mean, Sd) UCL	52.63

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	63.17
95% Approximate Gamma UCL	40.2		
95% Adjusted Gamma UCL	41.03		
Potential UCL to Use		Use 95% Student's-t UCL	39.93

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CHROMIUM

General Statistics

Number of Valid Data	35	Number of Detected Data	34
Number of Distinct Detected Data	27	Number of Non-Detect Data	1
Number of Missing Values	1	Percent Non-Detects	2.86%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.265	Minimum Detected	-1.328
Maximum Detected	1.97	Maximum Detected	0.678
Mean of Detected	0.883	Mean of Detected	-0.22
SD of Detected	0.393	SD of Detected	0.456
Minimum Non-Detect	0.13	Minimum Non-Detect	-2.04
Maximum Non-Detect	0.13	Maximum Non-Detect	-2.04

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.924	Shapiro Wilk Test Statistic	0.973
5% Shapiro Wilk Critical Value	0.933	5% Shapiro Wilk Critical Value	0.933
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.86	Mean	-0.292
SD	0.411	SD	0.618
95% DL/2 (t) UCL	0.977	95% H-Stat (DL/2) UCL	1.123
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	0.857	Mean in Log Scale	-0.253
SD	0.412	SD in Log Scale	0.489
95% MLE (t) UCL	0.975	Mean in Original Scale	0.865
95% MLE (Tiku) UCL	0.974	SD in Original Scale	0.401
		95% t UCL	0.98
		95% Percentile Bootstrap UCL	0.977
		95% BCA Bootstrap UCL	0.99
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	4.926	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.179		
nu star	335		
A-D Test Statistic	0.223	**Nonparametric Statistics**	

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

5% A-D Critical Value	0.749	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.749	Mean	0.866
5% K-S Critical Value	0.151	SD	0.395
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0678
		95% KM (t) UCL	0.98
Assuming Gamma Distribution		95% KM (z) UCL	0.977
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.98
Minimum	1E-12	95% KM (bootstrap t) UCL	0.993
Maximum	1.97	95% KM (BCA) UCL	0.977
Mean	0.858	95% KM (Percentile Bootstrap) UCL	0.982
Median	0.8	95% KM (Chebyshev) UCL	1.161
SD	0.415	97.5% KM (Chebyshev) UCL	1.289
k star	0.668	99% KM (Chebyshev) UCL	1.54
Theta star	1.285		
Nu star	46.75	**Potential UCLs to Use**	
AppChi2	32.06	95% KM (BCA) UCL	0.977
95% Gamma Approximate UCL	1.251		
95% Adjusted Gamma UCL	1.274		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BENZO(A)PYRENE EQUIVALENTS

General Statistics

Number of Valid Data	316	Number of Detected Data	85
Number of Distinct Detected Data	83	Number of Non-Detect Data	231
Number of Missing Values	24	Percent Non-Detects	73.10%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	2.285	Minimum Detected	0.826
Maximum Detected	7604	Maximum Detected	8.936
Mean of Detected	333.1	Mean of Detected	4.123
SD of Detected	948	SD of Detected	1.83
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	410	Maximum Non-Detect	6.016
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	303
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	13
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	95.89%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.364	Lilliefors Test Statistic	0.0964
5% Lilliefors Critical Value	0.0961	5% Lilliefors Critical Value	0.0961
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	102.6	Mean	1.292
SD	511.4	SD	2.372
95% DL/2 (t) UCL	150	95% H-Stat (DL/2) UCL	96.85
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-0.0899
		SD in Log Scale	3.388
		Mean in Original Scale	90.51
		SD in Original Scale	511.3
		95% t UCL	138
		95% Percentile Bootstrap UCL	144.7
		95% BCA Bootstrap UCL	171.5
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.386	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	863.8		

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

nu star	65.57		
A-D Test Statistic	4.341	**Nonparametric Statistics**	
5% A-D Critical Value	0.845	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.845	Mean	92.51
5% K-S Critical Value	0.104	SD	510.4
Data not Gamma Distributed at 5% Significance Level		SE of Mean	28.89
		95% KM (t) UCL	140.2
Assuming Gamma Distribution		95% KM (z) UCL	140
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	140
Minimum	2.285	95% KM (bootstrap t) UCL	190.6
Maximum	7604	95% KM (BCA) UCL	148.5
Mean	620.6	95% KM (Percentile Bootstrap) UCL	144.2
Median	329.7	95% KM (Chebyshev) UCL	218.5
SD	750.3	97.5% KM (Chebyshev) UCL	273
k star	0.748	99% KM (Chebyshev) UCL	380
Theta star	829.1		
Nu star	473.1	**Potential UCLs to Use**	
AppChi2	423.6	95% KM (Chebyshev) UCL	218.5
95% Gamma Approximate UCL	693		
95% Adjusted Gamma UCL	693.3		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

VANADIUM

General Statistics

Number of Valid Observations	13	Number of Distinct Observations	13
Number of Missing Values	227		

Raw Statistics		**Log-transformed Statistics**	
Minimum	20.7	Minimum of Log Data	3.03
Maximum	61.6	Maximum of Log Data	4.121
Mean	34.86	Mean of log Data	3.516
Median	32.8	SD of log Data	0.27
SD	10.26		
Coefficient of Variation	0.294		
Skewness	1.524		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.873	Shapiro Wilk Test Statistic	0.953
Shapiro Wilk Critical Value	0.866	Shapiro Wilk Critical Value	0.866
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	39.93	95% H-UCL	40.41
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	46.24
95% Adjusted-CLT UCL (Chen-1995)	40.83	97.5% Chebyshev (MVUE) UCL	51.18
95% Modified-t UCL (Johnson-1978)	40.13	99% Chebyshev (MVUE) UCL	60.9
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	11.12	**Data appear Normal at 5% Significance Level**	
Theta Star	3.134		
MLE of Mean	34.86		
MLE of Standard Deviation	10.45		
nu star	289.2		
Approximate Chi Square Value (.05)	250.8	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0301	95% CLT UCL	39.54
Adjusted Chi Square Value	245.7	95% Jackknife UCL	39.93
		95% Standard Bootstrap UCL	39.41
Anderson-Darling Test Statistic	0.435	95% Bootstrap-t UCL	42.88
Anderson-Darling 5% Critical Value	0.734	95% Hall's Bootstrap UCL	67.61
Kolmogorov-Smirnov Test Statistic	0.215	95% Percentile Bootstrap UCL	39.71
Kolmogorov-Smirnov 5% Critical Value	0.236	95% BCA Bootstrap UCL	40.18
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	47.27
		97.5% Chebyshev(Mean, Sd) UCL	52.63

PROUCL OUTPUT - BLOCK F SUBSURFACE SOIL

Assuming Gamma Distribution						99% Chebyshev(Mean, Sd) UCL	63.17
95% Approximate Gamma UCL	40.2						
95% Adjusted Gamma UCL	41.03						
Potential UCL to Use						Use 95% Student's-t UCL	39.93
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.							
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)							
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.							

PROUCL OUTPUT - BLOCK G SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	BLOCK G.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ARSENIC

General Statistics

Number of Valid Data	32	Number of Detected Data	25
Number of Distinct Detected Data	19	Number of Non-Detect Data	7
Number of Missing Values	839	Percent Non-Detects	21.88%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.61	Minimum Detected	-0.494
Maximum Detected	8.3	Maximum Detected	2.116
Mean of Detected	3.46	Mean of Detected	1.04
SD of Detected	2.091	SD of Detected	0.69
Minimum Non-Detect	0.53	Minimum Non-Detect	-0.635
Maximum Non-Detect	5	Maximum Non-Detect	1.609
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	24
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	8
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	75.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.935	Shapiro Wilk Test Statistic	0.959
5% Shapiro Wilk Critical Value	0.918	5% Shapiro Wilk Critical Value	0.918
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	2.93	Mean	0.769
SD	2.129	SD	0.867
95% DL/2 (t) UCL	3.569	95% H-Stat (DL/2) UCL	4.477
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	3.627	Mean in Log Scale	0.805
SD	1.944	SD in Log Scale	0.782
95% MLE (t) UCL	4.21	Mean in Original Scale	2.934
95% MLE (Tiku) UCL	4.81	SD in Original Scale	2.109
		95% t UCL	3.566
		95% Percentile Bootstrap UCL	3.558
		95% BCA Bootstrap UCL	3.634
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.342	**Data appear Normal at 5% Significance Level**	
Theta Star	1.477		

nu star	117.1		
A-D Test Statistic	0.239	**Nonparametric Statistics**	
5% A-D Critical Value	0.753	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.753	Mean	2.937
5% K-S Critical Value	0.176	SD	2.09
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.381
		95% KM (t) UCL	3.582
Assuming Gamma Distribution		95% KM (z) UCL	3.563
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3.575
Minimum	1E-12	95% KM (bootstrap t) UCL	3.633
Maximum	8.3	95% KM (BCA) UCL	3.609
Mean	3.11	95% KM (Percentile Bootstrap) UCL	3.564
Median	2.677	95% KM (Chebyshev) UCL	4.596
SD	2.047	97.5% KM (Chebyshev) UCL	5.313
k star	0.545	99% KM (Chebyshev) UCL	6.723
Theta star	5.701		
Nu star	34.91	**Potential UCLs to Use**	
AppChi2	22.39	95% KM (t) UCL	3.582
95% Gamma Approximate UCL	4.848	95% KM (Percentile Bootstrap) UCL	3.564
95% Adjusted Gamma UCL	4.967		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

COBALT

General Statistics

Number of Valid Data	14	Number of Detected Data	13
Number of Distinct Detected Data	13	Number of Non-Detect Data	1
Number of Missing Values	653	Percent Non-Detects	7.14%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	2.6	Minimum Detected	0.956
Maximum Detected	68.1	Maximum Detected	4.221
Mean of Detected	11.78	Mean of Detected	1.978
SD of Detected	17.39	SD of Detected	0.892
Minimum Non-Detect	11	Minimum Non-Detect	2.398
Maximum Non-Detect	11	Maximum Non-Detect	2.398

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.517	Shapiro Wilk Test Statistic	0.894
5% Shapiro Wilk Critical Value	0.866	5% Shapiro Wilk Critical Value	0.866
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	

PROUCL OUTPUT - BLOCK G SUBSURFACE SOIL

DL/2 Substitution Method		DL/2 Substitution Method	
Mean	11.33	Mean	1.959
SD	16.79	SD	0.86
95% DL/2 (t) UCL	19.28	95% H-Stat (DL/2) UCL	18.96
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	1.951
		SD in Log Scale	0.863
		Mean in Original Scale	11.29
		SD in Original Scale	16.81
		95% t UCL	19.24
		95% Percentile Bootstrap UCL	20.09
		95% BCA Bootstrap UCL	23.69
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.946	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	12.44		
nu star	24.6		
A-D Test Statistic	1.012	**Nonparametric Statistics**	
5% A-D Critical Value	0.755	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.755	Mean	11.3
5% K-S Critical Value	0.242	SD	16.2
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	4.51
		95% KM (t) UCL	19.28
Assuming Gamma Distribution		95% KM (z) UCL	18.72
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	19.26
Minimum	2.6	95% KM (bootstrap t) UCL	38.05
Maximum	68.1	95% KM (BCA) UCL	20.06
Mean	11.43	95% KM (Percentile Bootstrap) UCL	19.78
Median	6.246	95% KM (Chebyshev) UCL	30.96
SD	16.76	97.5% KM (Chebyshev) UCL	39.46
k star	1.01	99% KM (Chebyshev) UCL	56.17
Theta star	11.32		
Nu star	28.27	**Potential UCLs to Use**	
AppChi2	17.14	95% KM (Chebyshev) UCL	30.96
95% Gamma Approximate UCL	18.85		
95% Adjusted Gamma UCL	20.2		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

LEAD

General Statistics

Number of Valid Data	24	Number of Detected Data	23
Number of Distinct Detected Data	19	Number of Non-Detect Data	1
Number of Missing Values	847	Percent Non-Detects	4.17%

PROUCL OUTPUT - BLOCK G SUBSURFACE SOIL

Raw Statistics		Log-transformed Statistics	
Minimum Detected	2	Minimum Detected	0.693
Maximum Detected	18	Maximum Detected	2.89
Mean of Detected	7.322	Mean of Detected	1.864
SD of Detected	3.799	SD of Detected	0.522
Minimum Non-Detect	1	Minimum Non-Detect	0
Maximum Non-Detect	1	Maximum Non-Detect	0

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.899	Shapiro Wilk Test Statistic	0.959
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	7.038	Mean	1.757
SD	3.968	SD	0.73
95% DL/2 (t) UCL	8.426	95% H-Stat (DL/2) UCL	10.6
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	6.985	Mean in Log Scale	1.811
SD	3.992	SD in Log Scale	0.574
95% MLE (t) UCL	8.382	Mean in Original Scale	7.091
95% MLE (Tiku) UCL	8.371	SD in Original Scale	3.884
		95% t UCL	8.45
		95% Percentile Bootstrap UCL	8.333
		95% BCA Bootstrap UCL	8.495
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	3.595	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	2.037		
nu star	165.4		
A-D Test Statistic	0.597	**Nonparametric Statistics**	
5% A-D Critical Value	0.749	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.749	Mean	7.1
5% K-S Critical Value	0.182	SD	3.79
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.791
		95% KM (t) UCL	8.456
Assuming Gamma Distribution		95% KM (z) UCL	8.401
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	8.429
Minimum	1E-12	95% KM (bootstrap t) UCL	8.775
Maximum	18	95% KM (BCA) UCL	8.417
Mean	7.017	95% KM (Percentile Bootstrap) UCL	8.425
Median	5.75	95% KM (Chebyshev) UCL	10.55
SD	4.005	97.5% KM (Chebyshev) UCL	12.04
k star	0.453	99% KM (Chebyshev) UCL	14.97
Theta star	15.49		

Nu star	21.74	**Potential UCLs to Use**	
AppChi2	12.14	95% KM (BCA) UCL	8.417
95% Gamma Approximate UCL	12.56		
95% Adjusted Gamma UCL	13.11		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	24	Number of Detected Data	12
Number of Distinct Detected Data	6	Number of Non-Detect Data	12
Number of Missing Values	847	Percent Non-Detects	50.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.007	Minimum Detected	-4.962
Maximum Detected	0.03	Maximum Detected	-3.507
Mean of Detected	0.0114	Mean of Detected	-4.579
SD of Detected	0.00678	SD of Detected	0.433
Minimum Non-Detect	0.019	Minimum Non-Detect	-3.963
Maximum Non-Detect	0.12	Maximum Non-Detect	-2.12
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	24
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.627	Shapiro Wilk Test Statistic	0.748
5% Shapiro Wilk Critical Value	0.859	5% Shapiro Wilk Critical Value	0.859
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0294	Mean	-3.885
SD	0.0227	SD	0.901
95% DL/2 (t) UCL	0.0374	95% H-Stat (DL/2) UCL	0.0485
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-4.597
		SD in Log Scale	0.345
		Mean in Original Scale	0.0108
		SD in Original Scale	0.00504
		95% t UCL	0.0126
		95% Percentile Bootstrap UCL	0.0125
		95% BCA Bootstrap UCL	0.0133

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	3.709	Data do not follow a Discernable Distribution (0.05)	
Theta Star	0.00308		
nu star	89.01		
A-D Test Statistic	1.596	Nonparametric Statistics	
5% A-D Critical Value	0.732	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.732	Mean	0.011
5% K-S Critical Value	0.246	SD	0.00609
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.00171
		95% KM (t) UCL	0.014
Assuming Gamma Distribution		95% KM (z) UCL	0.0138
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.014
Minimum	0.007	95% KM (bootstrap t) UCL	0.0238
Maximum	0.03	95% KM (BCA) UCL	0.014
Mean	0.0116	95% KM (Percentile Bootstrap) UCL	0.014
Median	0.0109	95% KM (Chebyshev) UCL	0.0185
SD	0.00477	97.5% KM (Chebyshev) UCL	0.0217
k star	8.006	99% KM (Chebyshev) UCL	0.028
Theta star	0.00145		
Nu star	384.3	Potential UCLs to Use	
AppChi2	339.9	95% KM (t) UCL	0.014
95% Gamma Approximate UCL	0.0131	95% KM (% Bootstrap) UCL	0.014
95% Adjusted Gamma UCL	0.0133		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	24	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	24
Number of Missing Values	847	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,3-TRICHLOROBENZENE was not processed!

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	24	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	24

Number of Missing Values	847	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,4-TRICHLOROBENZENE was not processed!

1,3-DICHLOROBENZENE

General Statistics

Number of Valid Data	24	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	24
Number of Missing Values	847	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,3-DICHLOROBENZENE was not processed!

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	24	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	24
Number of Missing Values	847	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,4-DICHLOROBENZENE was not processed!

PAH_NAPHTHALENE

General Statistics

Number of Valid Data	68	Number of Detected Data	6
Number of Distinct Detected Data	6	Number of Non-Detect Data	62
Number of Missing Values	803	Percent Non-Detects	91.18%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	8.4	Minimum Detected	2.128
Maximum Detected	510	Maximum Detected	6.234
Mean of Detected	147.9	Mean of Detected	4.167

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SD of Detected	193.4	SD of Detected	1.511
Minimum Non-Detect	3.6	Minimum Non-Detect	1.281
Maximum Non-Detect	410	Maximum Non-Detect	6.016
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	67
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	98.53%

Warning: There are only 6 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.781	Shapiro Wilk Test Statistic	0.986
5% Shapiro Wilk Critical Value	0.788	5% Shapiro Wilk Critical Value	0.788
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	50.93	Mean	2.274
SD	90.86	SD	1.906
95% DL/2 (t) UCL	69.3	95% H-Stat (DL/2) UCL	115.4
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-1.521
		SD in Log Scale	2.42
		Mean in Original Scale	13.39
		SD in Original Scale	67.59
		95% t UCL	27.06
		95% Percentile Bootstrap UCL	28.2
		95% BCA Bootstrap UCL	41.61
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.474	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	312.3		
nu star	5.683		
A-D Test Statistic	0.238	**Nonparametric Statistics**	
5% A-D Critical Value	0.722	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.722	Mean	21.85
5% K-S Critical Value	0.344	SD	66.56
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	9.006
		95% KM (t) UCL	36.87
Assuming Gamma Distribution		95% KM (z) UCL	36.66
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	34.52
Minimum	1E-12	95% KM (bootstrap t) UCL	57.55
Maximum	510	95% KM (BCA) UCL	220

Mean	124.1	95% KM (Percentile Bootstrap) UCL	72.64
Median	125.9	95% KM (Chebyshev) UCL	61.11
SD	88.42	97.5% KM (Chebyshev) UCL	78.09
k star	0.212	99% KM (Chebyshev) UCL	111.5
Theta star	586.1		
Nu star	28.81	**Potential UCLs to Use**	
AppChi2	17.56	95% KM (t) UCL	36.87
95% Gamma Approximate UCL	203.7		
95% Adjusted Gamma UCL	205.9		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

AROCLOR-1254

General Statistics

Number of Valid Data	24	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	24
Number of Missing Values	847	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1254 was not processed!

AROCLOR-1260

General Statistics

Number of Valid Data	24	Number of Detected Data	2
Number of Distinct Detected Data	2	Number of Non-Detect Data	22
Number of Missing Values	847	Percent Non-Detects	91.67%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	8.1	Minimum Detected	2.092
Maximum Detected	14	Maximum Detected	2.639
Mean of Detected	11.05	Mean of Detected	2.365
SD of Detected	4.172	SD of Detected	0.387
Minimum Non-Detect	36	Minimum Non-Detect	3.584
Maximum Non-Detect	300	Maximum Non-Detect	5.704

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	24
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

Warning: Data set has only 2 Distinct Detected Values.

This may not be adequate enough to compute meaningful and reliable test statistics and estimates.			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.			
The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.			
Those methods will return a 'N/A' value on your output display!			
It is necessary to have 4 or more Distinct Values for bootstrap methods.			
However, results obtained using 4 to 9 distinct values may not be reliable.			
It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.			
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	N/A	Shapiro Wilk Test Statistic	N/A
5% Shapiro Wilk Critical Value	N/A	5% Shapiro Wilk Critical Value	N/A
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	71.3	Mean	3.757
SD	64.16	SD	1.073
95% DL/2 (t) UCL	93.74	95% H-Stat (DL/2) UCL	137.3
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	N/A
		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% t UCL	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	11.05
5% K-S Critical Value	N/A	SD	2.95
Data not Gamma Distributed at 5% Significance Level		SE of Mean	2.95
		95% KM (t) UCL	16.11
Assuming Gamma Distribution		95% KM (z) UCL	15.9
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	18.05
Minimum	N/A	95% KM (bootstrap t) UCL	N/A
Maximum	N/A	95% KM (BCA) UCL	14
Mean	N/A	95% KM (Percentile Bootstrap) UCL	N/A
Median	N/A	95% KM (Chebyshev) UCL	23.91

SD	N/A	97.5% KM (Chebyshev) UCL	29.47
k star	N/A	99% KM (Chebyshev) UCL	40.4
Theta star	N/A		
Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	95% KM (t) UCL	16.11
95% Gamma Approximate UCL	N/A	95% KM (% Bootstrap) UCL	N/A
95% Adjusted Gamma UCL	N/A		

Warning: Recommended UCL exceeds the maximum observation

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

DIESEL RANGE ORGANICS

General Statistics

Number of Valid Data	37	Number of Detected Data	14
Number of Distinct Detected Data	14	Number of Non-Detect Data	23
Number of Missing Values	834	Percent Non-Detects	62.16%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	840	Minimum Detected	6.733
Maximum Detected	105000	Maximum Detected	11.56
Mean of Detected	33046	Mean of Detected	9.724
SD of Detected	32993	SD of Detected	1.444
Minimum Non-Detect	11000	Minimum Non-Detect	9.306
Maximum Non-Detect	13000	Maximum Non-Detect	9.473
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	28
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	9
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	75.68%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.859	Shapiro Wilk Test Statistic	0.937
5% Shapiro Wilk Critical Value	0.874	5% Shapiro Wilk Critical Value	0.874
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	16220	Mean	9.085
SD	23879	SD	1.005
95% DL/2 (t) UCL	22848	95% H-Stat (DL/2) UCL	21811
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	8.526
		SD in Log Scale	1.516
		Mean in Original Scale	14788
		SD in Original Scale	24648

		95% t UCL	21630
		95% Percentile Bootstrap UCL	21982
		95% BCA Bootstrap UCL	23816
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.725	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	45555		
nu star	20.31		
A-D Test Statistic	0.187	**Nonparametric Statistics**	
5% A-D Critical Value	0.766	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.766	Mean	14555
5% K-S Critical Value	0.236	SD	24352
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	4210
		95% KM (t) UCL	21663
Assuming Gamma Distribution		95% KM (z) UCL	21480
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	21568
Minimum	840	95% KM (bootstrap t) UCL	25801
Maximum	105000	95% KM (BCA) UCL	22978
Mean	28828	95% KM (Percentile Bootstrap) UCL	21951
Median	26638	95% KM (Chebyshev) UCL	32908
SD	21911	97.5% KM (Chebyshev) UCL	40849
k star	1.506	99% KM (Chebyshev) UCL	56448
Theta star	19137		
Nu star	111.5	**Potential UCLs to Use**	
AppChi2	88.1	95% KM (t) UCL	21663
95% Gamma Approximate UCL	36475		
95% Adjusted Gamma UCL	36852		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	46	Number of Detected Data	21
Number of Distinct Detected Data	21	Number of Non-Detect Data	25
Number of Missing Values	825	Percent Non-Detects	54.35%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	34	Minimum Detected	3.526
Maximum Detected	980000	Maximum Detected	13.8
Mean of Detected	174565	Mean of Detected	8.56
SD of Detected	278855	SD of Detected	4.089
Minimum Non-Detect	110	Minimum Non-Detect	4.7
Maximum Non-Detect	12800	Maximum Non-Detect	9.457
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	36

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For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	10
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	78.26%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.691	Shapiro Wilk Test Statistic	0.835
5% Shapiro Wilk Critical Value	0.908	5% Shapiro Wilk Critical Value	0.908
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	81771	Mean	7.806
SD	204835	SD	3.227
95% DL/2 (t) UCL	132492	95% H-Stat (DL/2) UCL	5914340
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	6.562
		SD in Log Scale	3.45
		Mean in Original Scale	79826
		SD in Original Scale	205589
		95% t UCL	130734
		95% Percentile Bootstrap UCL	129702
		95% BCA Bootstrap UCL	141371
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.21	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	829992		
nu star	8.833		
A-D Test Statistic	1.134	**Nonparametric Statistics**	
5% A-D Critical Value	0.887	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.887	Mean	79860
5% K-S Critical Value	0.209	SD	203330
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	30720
		95% KM (t) UCL	131452
Assuming Gamma Distribution		95% KM (z) UCL	130390
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	130765
Minimum	34	95% KM (bootstrap t) UCL	163382
Maximum	980000	95% KM (BCA) UCL	131469
Mean	151730	95% KM (Percentile Bootstrap) UCL	134082
Median	128370	95% KM (Chebyshev) UCL	213765
SD	187730	97.5% KM (Chebyshev) UCL	271706
k star	0.394	99% KM (Chebyshev) UCL	385520
Theta star	385222		
Nu star	36.24	**Potential UCLs to Use**	
AppChi2	23.46	95% KM (t) UCL	131452
95% Gamma Approximate UCL	234371		
95% Adjusted Gamma UCL	237753		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

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These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

IRON

General Statistics

Number of Valid Observations	2	Number of Distinct Observations	2
Number of Missing Values	642		

Warning: This data set only has 2 observations!

Data set is too small to compute reliable and meaningful statistics and estimates!

The data set for variable IRON was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!

If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

MANGANESE

General Statistics

Number of Valid Observations	2	Number of Distinct Observations	2
Number of Missing Values	642		

Warning: This data set only has 2 observations!

Data set is too small to compute reliable and meaningful statistics and estimates!

The data set for variable MANGANESE was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!

If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

VANADIUM

General Statistics

Number of Valid Observations	14	Number of Distinct Observations	14
Number of Missing Values	653		

Raw Statistics		**Log-transformed Statistics**	
Minimum	13.3	Minimum of Log Data	2.588
Maximum	72.7	Maximum of Log Data	4.286
Mean	36.63	Mean of log Data	3.445
Median	34.6	SD of log Data	0.594

SD	20.36		
Coefficient of Variation	0.556		
Skewness	0.519		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.916	Shapiro Wilk Test Statistic	0.933
Shapiro Wilk Critical Value	0.874	Shapiro Wilk Critical Value	0.874
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	46.26	95% H-UCL	53.61
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	63.32
95% Adjusted-CLT UCL (Chen-1995)	46.38	97.5% Chebyshev (MVUE) UCL	74.77
95% Modified-t UCL (Johnson-1978)	46.39	99% Chebyshev (MVUE) UCL	97.27
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.695	**Data appear Normal at 5% Significance Level**	
Theta Star	13.59		
MLE of Mean	36.63		
MLE of Standard Deviation	22.31		
nu star	75.47		
Approximate Chi Square Value (.05)	56.46	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0312	95% CLT UCL	45.58
Adjusted Chi Square Value	54.28	95% Jackknife UCL	46.26
		95% Standard Bootstrap UCL	45.49
Anderson-Darling Test Statistic	0.335	95% Bootstrap-t UCL	47.33
Anderson-Darling 5% Critical Value	0.742	95% Hall's Bootstrap UCL	45.51
Kolmogorov-Smirnov Test Statistic	0.149	95% Percentile Bootstrap UCL	45.2
Kolmogorov-Smirnov 5% Critical Value	0.23	95% BCA Bootstrap UCL	45.62
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	60.34
		97.5% Chebyshev(Mean, Sd) UCL	70.6
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	90.76
95% Approximate Gamma UCL	48.96		
95% Adjusted Gamma UCL	50.92		
Potential UCL to Use		Use 95% Student's-t UCL	46.26

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

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	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CHROMIUM

General Statistics

Number of Valid Observations	24	Number of Distinct Observations	23
Number of Missing Values	1		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.345	Minimum of Log Data	-1.064
Maximum	2	Maximum of Log Data	0.693
Mean	0.949	Mean of log Data	-0.197
Median	0.858	SD of log Data	0.56
SD	0.503		
Coefficient of Variation	0.53		
Skewness	0.518		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.918	Shapiro Wilk Test Statistic	0.934
Shapiro Wilk Critical Value	0.916	Shapiro Wilk Critical Value	0.916
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	1.124	95% H-UCL	1.218
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.452
95% Adjusted-CLT UCL (Chen-1995)	1.129	97.5% Chebyshev (MVUE) UCL	1.668
95% Modified-t UCL (Johnson-1978)	1.126	99% Chebyshev (MVUE) UCL	2.092
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	3.208	**Data appear Normal at 5% Significance Level**	
Theta Star	0.296		
MLE of Mean	0.949		
MLE of Standard Deviation	0.53		
nu star	154		
Approximate Chi Square Value (.05)	126.3	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0392	95% CLT UCL	1.117
Adjusted Chi Square Value	124.5	95% Jackknife UCL	1.124
		95% Standard Bootstrap UCL	1.11
Anderson-Darling Test Statistic	0.533	95% Bootstrap-t UCL	1.137
Anderson-Darling 5% Critical Value	0.75	95% Hall's Bootstrap UCL	1.127
Kolmogorov-Smirnov Test Statistic	0.13	95% Percentile Bootstrap UCL	1.115
Kolmogorov-Smirnov 5% Critical Value	0.179	95% BCA Bootstrap UCL	1.124
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	1.396
		97.5% Chebyshev(Mean, Sd) UCL	1.589

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Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	1.969
95% Approximate Gamma UCL	1.156		
95% Adjusted Gamma UCL	1.173		
Potential UCL to Use		Use 95% Student's-t UCL	1.124

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

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	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BENZO(A)PYRENE EQUIVALENTS

General Statistics

Number of Valid Data	844	Number of Detected Data	414
Number of Distinct Detected Data	408	Number of Non-Detect Data	430
Number of Missing Values	28	Percent Non-Detects	50.95%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.06	Minimum Detected	-2.813
Maximum Detected	57089	Maximum Detected	10.95
Mean of Detected	1322	Mean of Detected	4.595
SD of Detected	4487	SD of Detected	2.289
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	410	Maximum Non-Detect	6.016
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	734
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	110
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	86.97%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.384	Lilliefors Test Statistic	0.0945
5% Lilliefors Critical Value	0.0435	5% Lilliefors Critical Value	0.0435
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	650.8	Mean	2.233
SD	3209	SD	2.885
95% DL/2 (t) UCL	832.7	95% H-Stat (DL/2) UCL	891.8
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	1.616
		SD in Log Scale	3.663
		Mean in Original Scale	648.9
		SD in Original Scale	3209
		95% t UCL	830.8
		95% Percentile Bootstrap UCL	839.7
		95% BCA Bootstrap UCL	883.1
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.27	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	4891		

PROUCL OUTPUT - BLOCK G SUBSURFACE SOIL

nu star	223.7		
A-D Test Statistic	31.06	**Nonparametric Statistics**	
5% A-D Critical Value	0.885	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.885	Mean	649
5% K-S Critical Value	0.0487	SD	3207
Data not Gamma Distributed at 5% Significance Level		SE of Mean	110.5
		95% KM (t) UCL	831
Assuming Gamma Distribution		95% KM (z) UCL	830.8
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	830.9
Minimum	1E-12	95% KM (bootstrap t) UCL	905.6
Maximum	57089	95% KM (BCA) UCL	842.4
Mean	1286	95% KM (Percentile Bootstrap) UCL	839.9
Median	105.8	95% KM (Chebyshev) UCL	1131
SD	3397	97.5% KM (Chebyshev) UCL	1339
k star	0.104	99% KM (Chebyshev) UCL	1749
Theta star	12368		
Nu star	175.4	**Potential UCLs to Use**	
AppChi2	145.8	97.5% KM (Chebyshev) UCL	1339
95% Gamma Approximate UCL	1547		
95% Adjusted Gamma UCL	1547		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK G SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

OV_NAPHTHALENE

General Statistics

Number of Valid Data	45	Number of Detected Data	9
Number of Distinct Detected Data	8	Number of Non-Detect Data	36
Number of Missing Values	827	Percent Non-Detects	80.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.62	Minimum Detected	-0.478
Maximum Detected	620	Maximum Detected	6.43
Mean of Detected	152.8	Mean of Detected	3.38
SD of Detected	200.5	SD of Detected	2.575
Minimum Non-Detect	1	Minimum Non-Detect	0
Maximum Non-Detect	362	Maximum Non-Detect	5.892
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	44
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	97.78%

Warning: There are only 9 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.775	Shapiro Wilk Test Statistic	0.871
5% Shapiro Wilk Critical Value	0.829	5% Shapiro Wilk Critical Value	0.829
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	54.09	Mean	1.473
SD	114	SD	2.301
95% DL/2 (t) UCL	82.64	95% H-Stat (DL/2) UCL	257.5
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-0.179
		SD in Log Scale	2.53
		Mean in Original Scale	31.22
		SD in Original Scale	105.3

PROUCL OUTPUT - BLOCK G SUBSURFACE SOIL

		95% t UCL	57.59
		95% Percentile Bootstrap UCL	57.64
		95% BCA Bootstrap UCL	72.53
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.34	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	449		
nu star	6.124		
A-D Test Statistic	0.502	**Nonparametric Statistics**	
5% A-D Critical Value	0.789	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.789	Mean	33.78
5% K-S Critical Value	0.298	SD	105.8
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	17.12
		95% KM (t) UCL	62.54
Assuming Gamma Distribution		95% KM (z) UCL	61.93
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	60.4
Minimum	1E-12	95% KM (bootstrap t) UCL	92.12
Maximum	1523	95% KM (BCA) UCL	72.03
Mean	325.5	95% KM (Percentile Bootstrap) UCL	67.72
Median	262.5	95% KM (Chebyshev) UCL	108.4
SD	340.4	97.5% KM (Chebyshev) UCL	140.7
k star	0.238	99% KM (Chebyshev) UCL	204.1
Theta star	1367		
Nu star	21.43	**Potential UCLs to Use**	
AppChi2	11.91	95% KM (t) UCL	62.54
95% Gamma Approximate UCL	585.5		
95% Adjusted Gamma UCL	597.3		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	BLOCK H.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ARSENIC

General Statistics

Number of Valid Data	22	Number of Detected Data	15
Number of Distinct Detected Data	12	Number of Non-Detect Data	7
Number of Missing Values	99	Percent Non-Detects	31.82%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	1	Minimum Detected	0
Maximum Detected	7.4	Maximum Detected	2.001
Mean of Detected	3.487	Mean of Detected	1.146
SD of Detected	1.586	SD of Detected	0.492
Minimum Non-Detect	0.54	Minimum Non-Detect	-0.616
Maximum Non-Detect	5.3	Maximum Non-Detect	1.668
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	21
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	95.45%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.952	Shapiro Wilk Test Statistic	0.967
5% Shapiro Wilk Critical Value	0.881	5% Shapiro Wilk Critical Value	0.881
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	2.837	Mean	0.794
SD	1.719	SD	0.832
95% DL/2 (t) UCL	3.467	95% H-Stat (DL/2) UCL	4.803
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	0.929
		SD in Log Scale	0.552
		Mean in Original Scale	2.913
		SD in Original Scale	1.588
		95% t UCL	3.496
		95% Percentile Bootstrap UCL	3.459
		95% BCA Bootstrap UCL	3.542
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	4.045	**Data appear Normal at 5% Significance Level**	
Theta Star	0.862		

nu star	121.4		
A-D Test Statistic	0.177	**Nonparametric Statistics**	
5% A-D Critical Value	0.739	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.739	Mean	2.915
5% K-S Critical Value	0.222	SD	1.644
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.379
		95% KM (t) UCL	3.568
Assuming Gamma Distribution		95% KM (z) UCL	3.54
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3.529
Minimum	1	95% KM (bootstrap t) UCL	3.618
Maximum	7.4	95% KM (BCA) UCL	3.755
Mean	3.215	95% KM (Percentile Bootstrap) UCL	3.63
Median	3.2	95% KM (Chebyshev) UCL	4.569
SD	1.529	97.5% KM (Chebyshev) UCL	5.285
k star	3.884	99% KM (Chebyshev) UCL	6.69
Theta star	0.828		
Nu star	170.9	**Potential UCLs to Use**	
AppChi2	141.7	95% KM (t) UCL	3.568
95% Gamma Approximate UCL	3.878	95% KM (Percentile Bootstrap) UCL	3.63
95% Adjusted Gamma UCL	3.933		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

LEAD

General Statistics

Number of Valid Data	22	Number of Detected Data	21
Number of Distinct Detected Data	18	Number of Non-Detect Data	1
Number of Missing Values	99	Percent Non-Detects	4.55%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	1.6	Minimum Detected	0.47
Maximum Detected	17	Maximum Detected	2.833
Mean of Detected	7.462	Mean of Detected	1.808
SD of Detected	4.672	SD of Detected	0.679
Minimum Non-Detect	4	Minimum Non-Detect	1.386
Maximum Non-Detect	4	Maximum Non-Detect	1.386

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.911	Shapiro Wilk Test Statistic	0.967
5% Shapiro Wilk Critical Value	0.908	5% Shapiro Wilk Critical Value	0.908
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	

DL/2 Substitution Method		DL/2 Substitution Method	
Mean	7.214	Mean	1.757
SD	4.706	SD	0.704
95% DL/2 (t) UCL	8.94	95% H-Stat (DL/2) UCL	10.43
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	6.445	Mean in Log Scale	1.773
SD	5.656	SD in Log Scale	0.683
95% MLE (t) UCL	8.52	Mean in Original Scale	7.25
95% MLE (Tiku) UCL	8.669	SD in Original Scale	4.666
		95% t UCL	8.962
		95% Percentile Bootstrap UCL	8.873
		95% BCA Bootstrap UCL	9.164
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.29	**Data appear Normal at 5% Significance Level**	
Theta Star	3.259		
nu star	96.17		
A-D Test Statistic	0.213	**Nonparametric Statistics**	
5% A-D Critical Value	0.751	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.751	Mean	7.25
5% K-S Critical Value	0.191	SD	4.563
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.998
		95% KM (t) UCL	8.967
Assuming Gamma Distribution		95% KM (z) UCL	8.891
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	8.966
Minimum	1.6	95% KM (bootstrap t) UCL	9.123
Maximum	17	95% KM (BCA) UCL	8.929
Mean	7.242	95% KM (Percentile Bootstrap) UCL	8.868
Median	5.8	95% KM (Chebyshev) UCL	11.6
SD	4.675	97.5% KM (Chebyshev) UCL	13.48
k star	2.219	99% KM (Chebyshev) UCL	17.18
Theta star	3.264		
Nu star	97.62	**Potential UCLs to Use**	
AppChi2	75.83	95% KM (t) UCL	8.967
95% Gamma Approximate UCL	9.323	95% KM (Percentile Bootstrap) UCL	8.868
95% Adjusted Gamma UCL	9.503		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	128	Number of Detected Data	15
Number of Distinct Detected Data	11	Number of Non-Detect Data	113
Number of Missing Values	101	Percent Non-Detects	88.28%

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.01	Minimum Detected	-4.605
Maximum Detected	0.24	Maximum Detected	-1.427
Mean of Detected	0.0787	Mean of Detected	-3.114
SD of Detected	0.0843	SD of Detected	1.118
Minimum Non-Detect	0.01	Minimum Non-Detect	-4.605
Maximum Non-Detect	0.022	Maximum Non-Detect	-3.817
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	118
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	10
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	92.19%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.757	Shapiro Wilk Test Statistic	0.889
5% Shapiro Wilk Critical Value	0.881	5% Shapiro Wilk Critical Value	0.881
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0175	Mean	-4.503
SD	0.0359	SD	0.661
95% DL/2 (t) UCL	0.0228	95% H-Stat (DL/2) UCL	0.0154
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-7.2
		SD in Log Scale	2.393
		Mean in Original Scale	0.0108
		SD in Original Scale	0.0375
		95% t UCL	0.0163
		95% Percentile Bootstrap UCL	0.0166
		95% BCA Bootstrap UCL	0.0181
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.851	**Data appear Lognormal at 5% Significance Level**	
Theta Star	0.0925		
nu star	25.53		
A-D Test Statistic	0.985	**Nonparametric Statistics**	
5% A-D Critical Value	0.763	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.763	Mean	0.0181
5% K-S Critical Value	0.228	SD	0.0356
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.00325
		95% KM (t) UCL	0.0235
Assuming Gamma Distribution		95% KM (z) UCL	0.0234
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.0233
Minimum	1E-12	95% KM (bootstrap t) UCL	0.0261
Maximum	0.24	95% KM (BCA) UCL	0.0311
Mean	0.0792	95% KM (Percentile Bootstrap) UCL	0.028
Median	0.0707	95% KM (Chebyshev) UCL	0.0323

SD	0.0638	97.5% KM (Chebyshev) UCL	0.0384
k star	0.228	99% KM (Chebyshev) UCL	0.0505
Theta star	0.347		
Nu star	58.41	**Potential UCLs to Use**	
AppChi2	41.84	95% KM (BCA) UCL	0.0311
95% Gamma Approximate UCL	0.111		
95% Adjusted Gamma UCL	0.111		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	22	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	22
Number of Missing Values	99	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,3-TRICHLOROBENZENE was not processed!

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	22	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	22
Number of Missing Values	99	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,4-TRICHLOROBENZENE was not processed!

1,3-DICHLOROBENZENE

General Statistics

Number of Valid Data	22	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	22
Number of Missing Values	99	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,3-DICHLOROBENZENE was not processed!

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	22	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	22
Number of Missing Values	99	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,4-DICHLOROBENZENE was not processed!

PAH_NAPHTHALENE

General Statistics

Number of Valid Data	38	Number of Detected Data	6
Number of Distinct Detected Data	6	Number of Non-Detect Data	32
Number of Missing Values	83	Percent Non-Detects	84.21%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	28	Minimum Detected	3.332
Maximum Detected	1200	Maximum Detected	7.09
Mean of Detected	384.7	Mean of Detected	5.389
SD of Detected	425.9	SD of Detected	1.28
Minimum Non-Detect	3.5	Minimum Non-Detect	1.253
Maximum Non-Detect	440	Maximum Non-Detect	6.087
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	36
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	2
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	94.74%

Warning: There are only 6 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only	**Lognormal Distribution Test with Detected Values Only**

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

Shapiro Wilk Test Statistic	0.802	Shapiro Wilk Test Statistic	0.971
5% Shapiro Wilk Critical Value	0.788	5% Shapiro Wilk Critical Value	0.788
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	121.2	Mean	3.187
SD	210.6	SD	2.204
95% DL/2 (t) UCL	178.9	95% H-Stat (DL/2) UCL	1190
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	1.758
		SD in Log Scale	1.969
		Mean in Original Scale	65.31
		SD in Original Scale	210.2
		95% t UCL	122.8
		95% Percentile Bootstrap UCL	125.7
		95% BCA Bootstrap UCL	161.9
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.622	**Data appear Normal at 5% Significance Level**	
Theta Star	618.1		
nu star	7.469		
A-D Test Statistic	0.213	**Nonparametric Statistics**	
5% A-D Critical Value	0.715	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.715	Mean	89.74
5% K-S Critical Value	0.341	SD	203.1
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	36.69
		95% KM (t) UCL	151.6
Assuming Gamma Distribution		95% KM (z) UCL	150.1
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	152
Minimum	28	95% KM (bootstrap t) UCL	187.7
Maximum	1200	95% KM (BCA) UCL	337.2
Mean	385.1	95% KM (Percentile Bootstrap) UCL	300
Median	384.9	95% KM (Chebyshev) UCL	249.7
SD	156.6	97.5% KM (Chebyshev) UCL	318.9
k star	5.346	99% KM (Chebyshev) UCL	454.8
Theta star	72.03		
Nu star	406.3	**Potential UCLs to Use**	
AppChi2	360.6	95% KM (t) UCL	151.6
95% Gamma Approximate UCL	434	95% KM (Percentile Bootstrap) UCL	300
95% Adjusted Gamma UCL	436.1		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

AROCLOR-1254

General Statistics

Number of Valid Data	22	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	22
Number of Missing Values	99	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1254 was not processed!

AROCLOR-1260

General Statistics

Number of Valid Data	22	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	22
Number of Missing Values	99	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1260 was not processed!

DIESEL RANGE ORGANICS

General Statistics

Number of Valid Data	8	Number of Detected Data	6
Number of Distinct Detected Data	6	Number of Non-Detect Data	2
Number of Missing Values	99	Percent Non-Detects	25.00%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	11100	Minimum Detected	9.315
Maximum Detected	173000	Maximum Detected	12.06
Mean of Detected	51233	Mean of Detected	10.32
SD of Detected	62884	SD of Detected	1.072
Minimum Non-Detect	2400	Minimum Non-Detect	7.783
Maximum Non-Detect	3800	Maximum Non-Detect	8.243
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	2
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	6
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	25.00%

Warning: There are only 6 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.726	Shapiro Wilk Test Statistic	0.898
5% Shapiro Wilk Critical Value	0.788	5% Shapiro Wilk Critical Value	0.788
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	38813	Mean	9.568
SD	57910	SD	1.662
95% DL/2 (t) UCL	77603	95% H-Stat (DL/2) UCL	1476804
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	28141	Mean in Log Scale	9.641
SD	66263	SD in Log Scale	1.545
95% MLE (t) UCL	72526	Mean in Original Scale	38931
95% MLE (Tiku) UCL	73262	SD in Original Scale	57823
		95% t UCL	77663
		95% Percentile Bootstrap UCL	74869
		95% BCA Bootstrap UCL	84241
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.654	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	78353		
nu star	7.847		
A-D Test Statistic	0.498	**Nonparametric Statistics**	
5% A-D Critical Value	0.714	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.714	Mean	41200
5% K-S Critical Value	0.34	SD	52664
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	20397
		95% KM (t) UCL	79843
Assuming Gamma Distribution		95% KM (z) UCL	74750
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	78642
Minimum	1E-12	95% KM (bootstrap t) UCL	266066
Maximum	173000	95% KM (BCA) UCL	79788
Mean	38425	95% KM (Percentile Bootstrap) UCL	77975
Median	14450	95% KM (Chebyshev) UCL	130108
SD	58199	97.5% KM (Chebyshev) UCL	168578
k star	0.137	99% KM (Chebyshev) UCL	244146
Theta star	281397		
Nu star	2.185	**Potential UCLs to Use**	
AppChi2	0.179	95% KM (Chebyshev) UCL	130108
95% Gamma Approximate UCL	470147		
95% Adjusted Gamma UCL	739425		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	23	Number of Detected Data	4
Number of Distinct Detected Data	4	Number of Non-Detect Data	19
Number of Missing Values	98	Percent Non-Detects	82.61%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	36	Minimum Detected	3.584
Maximum Detected	9000	Maximum Detected	9.105
Mean of Detected	4684	Mean of Detected	7.398
SD of Detected	3804	SD of Detected	2.571
Minimum Non-Detect	2700	Minimum Non-Detect	7.901
Maximum Non-Detect	15200	Maximum Non-Detect	9.629
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	23
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

Warning: There are only 4 Distinct Detected Values in this data
Note: It should be noted that even though bootstrap may be performed on this data set
the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.997	Shapiro Wilk Test Statistic	0.76
5% Shapiro Wilk Critical Value	0.748	5% Shapiro Wilk Critical Value	0.748
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	3493	Mean	7.761
SD	2574	SD	1.162
95% DL/2 (t) UCL	4414	95% H-Stat (DL/2) UCL	9105
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	4.775
		SD in Log Scale	1.871
		Mean in Original Scale	903.1
		SD in Original Scale	2264
		95% t UCL	1714
		95% Percentile Bootstrap UCL	1707
		95% BCA Bootstrap UCL	2083

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.314	**Data appear Normal at 5% Significance Level**	
Theta Star	14931		
nu star	2.51		
A-D Test Statistic	0.529	**Nonparametric Statistics**	
5% A-D Critical Value	0.677	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.677	Mean	1241
5% K-S Critical Value	0.408	SD	2624
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	768.6
		95% KM (t) UCL	2561
Assuming Gamma Distribution		95% KM (z) UCL	2505
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3461
Minimum	36	95% KM (bootstrap t) UCL	2142
Maximum	9000	95% KM (BCA) UCL	9000
Mean	4444	95% KM (Percentile Bootstrap) UCL	6487
Median	4322	95% KM (Chebyshev) UCL	4591
SD	1470	97.5% KM (Chebyshev) UCL	6041
k star	2.475	99% KM (Chebyshev) UCL	8888
Theta star	1796		
Nu star	113.8	**Potential UCLs to Use**	
AppChi2	90.21	95% KM (t) UCL	2561
95% Gamma Approximate UCL	5608	95% KM (Percentile Bootstrap) UCL	6487
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

COBALT

General Statistics

Number of Valid Observations	22	Number of Distinct Observations	18
Number of Missing Values	99		

Raw Statistics		**Log-transformed Statistics**	
Minimum	1.8	Minimum of Log Data	0.588
Maximum	30.8	Maximum of Log Data	3.428
Mean	9.427	Mean of log Data	1.918
Median	8.1	SD of log Data	0.844
SD	7.95		
Coefficient of Variation	0.843		
Skewness	1.479		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.828	Shapiro Wilk Test Statistic	0.95
Shapiro Wilk Critical Value	0.911	Shapiro Wilk Critical Value	0.911
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	12.34	95% H-UCL	15.07
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	17.72
95% Adjusted-CLT UCL (Chen-1995)	12.79	97.5% Chebyshev (MVUE) UCL	21.27
95% Modified-t UCL (Johnson-1978)	12.43	99% Chebyshev (MVUE) UCL	28.23
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.484	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	6.354		
MLE of Mean	9.427		
MLE of Standard Deviation	7.74		
nu star	65.28		
Approximate Chi Square Value (.05)	47.69	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0386	95% CLT UCL	12.22
Adjusted Chi Square Value	46.57	95% Jackknife UCL	12.34
		95% Standard Bootstrap UCL	12.23
Anderson-Darling Test Statistic	0.492	95% Bootstrap-t UCL	13.16
Anderson-Darling 5% Critical Value	0.758	95% Hall's Bootstrap UCL	14.04
Kolmogorov-Smirnov Test Statistic	0.136	95% Percentile Bootstrap UCL	12.28
Kolmogorov-Smirnov 5% Critical Value	0.188	95% BCA Bootstrap UCL	12.65
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	16.82
		97.5% Chebyshev(Mean, Sd) UCL	20.01

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	26.29
95% Approximate Gamma UCL	12.9		
95% Adjusted Gamma UCL	13.22		
Potential UCL to Use		Use 95% Approximate Gamma UCL	12.9

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

VANADIUM

General Statistics

Number of Valid Observations	22	Number of Distinct Observations	21
Number of Missing Values	99		

Raw Statistics		**Log-transformed Statistics**	
Minimum	5.7	Minimum of Log Data	1.74
Maximum	52.9	Maximum of Log Data	3.968
Mean	33.45	Mean of log Data	3.411
Median	34.15	SD of log Data	0.516
SD	12.71		
Coefficient of Variation	0.38		
Skewness	-0.332		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.975	Shapiro Wilk Test Statistic	0.849
Shapiro Wilk Critical Value	0.911	Shapiro Wilk Critical Value	0.911
Data appear Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	38.11	95% H-UCL	43.41
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	51.54
95% Adjusted-CLT UCL (Chen-1995)	37.7	97.5% Chebyshev (MVUE) UCL	58.97
95% Modified-t UCL (Johnson-1978)	38.08	99% Chebyshev (MVUE) UCL	73.57
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	4.518	**Data appear Normal at 5% Significance Level**	
Theta Star	7.403		
MLE of Mean	33.45		
MLE of Standard Deviation	15.74		
nu star	198.8		
Approximate Chi Square Value (.05)	167.2	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0386	95% CLT UCL	37.91
Adjusted Chi Square Value	165	95% Jackknife UCL	38.11
		95% Standard Bootstrap UCL	37.75
Anderson-Darling Test Statistic	0.506	95% Bootstrap-t UCL	37.9
Anderson-Darling 5% Critical Value	0.746	95% Hall's Bootstrap UCL	37.72
Kolmogorov-Smirnov Test Statistic	0.121	95% Percentile Bootstrap UCL	37.66

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

Kolmogorov-Smirnov 5% Critical Value	0.186	95% BCA Bootstrap UCL	37.21
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	45.26
		97.5% Chebyshev(Mean, Sd) UCL	50.37
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	60.41
95% Approximate Gamma UCL	39.78		
95% Adjusted Gamma UCL	40.3		
Potential UCL to Use		Use 95% Student's-t UCL	38.11

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CHROMIUM

General Statistics

Number of Valid Observations	22	Number of Distinct Observations	21
Number of Missing Values	1		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.375	Minimum of Log Data	-0.981
Maximum	4.52	Maximum of Log Data	1.509
Mean	1.44	Mean of log Data	0.212
Median	1.35	SD of log Data	0.567
SD	0.889		
Coefficient of Variation	0.617		
Skewness	2.081		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.819	Shapiro Wilk Test Statistic	0.979
Shapiro Wilk Critical Value	0.911	Shapiro Wilk Critical Value	0.911
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	1.767	95% H-UCL	1.874
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	2.236
95% Adjusted-CLT UCL (Chen-1995)	1.842	97.5% Chebyshev (MVUE) UCL	2.58
95% Modified-t UCL (Johnson-1978)	1.781	99% Chebyshev (MVUE) UCL	3.256
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.986	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.482		
MLE of Mean	1.44		
MLE of Standard Deviation	0.834		
nu star	131.4		
Approximate Chi Square Value (.05)	105.9	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0386	95% CLT UCL	1.752
Adjusted Chi Square Value	104.2	95% Jackknife UCL	1.767
		95% Standard Bootstrap UCL	1.747
Anderson-Darling Test Statistic	0.293	95% Bootstrap-t UCL	1.944
Anderson-Darling 5% Critical Value	0.748	95% Hall's Bootstrap UCL	3.315
Kolmogorov-Smirnov Test Statistic	0.125	95% Percentile Bootstrap UCL	1.763
Kolmogorov-Smirnov 5% Critical Value	0.186	95% BCA Bootstrap UCL	1.841
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	2.267
		97.5% Chebyshev(Mean, Sd) UCL	2.624

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL					3.327
95% Approximate Gamma UCL	1.787						
95% Adjusted Gamma UCL	1.816						
Potential UCL to Use		Use 95% Approximate Gamma UCL					1.787
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.							
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)							
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.							

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BENZO(A)PYRENE EQUIVALENTS

General Statistics

Number of Valid Data	228	Number of Detected Data	57
Number of Distinct Detected Data	57	Number of Non-Detect Data	171
Number of Missing Values	2	Percent Non-Detects	75.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	1.766	Minimum Detected	0.568
Maximum Detected	5337	Maximum Detected	8.582
Mean of Detected	428.6	Mean of Detected	4.512
SD of Detected	896.7	SD of Detected	1.893
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	470	Maximum Non-Detect	6.153
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	213
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	15
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	93.42%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.317	Lilliefors Test Statistic	0.094
5% Lilliefors Critical Value	0.117	5% Lilliefors Critical Value	0.117
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	126.7	Mean	1.555
SD	481.7	SD	2.542
95% DL/2 (t) UCL	179.4	95% H-Stat (DL/2) UCL	227.2
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-0.00151
		SD in Log Scale	3.472
		Mean in Original Scale	108.2
		SD in Original Scale	482.4
		95% t UCL	161
		95% Percentile Bootstrap UCL	165.2
		95% BCA Bootstrap UCL	193.1
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.411	**Data appear Lognormal at 5% Significance Level**	
Theta Star	1043		

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

nu star	46.85		
A-D Test Statistic	2.023	**Nonparametric Statistics**	
5% A-D Critical Value	0.834	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.834	Mean	110
5% K-S Critical Value	0.126	SD	481.2
Data not Gamma Distributed at 5% Significance Level		SE of Mean	32.17
		95% KM (t) UCL	163.2
Assuming Gamma Distribution		95% KM (z) UCL	163
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	162.3
Minimum	1E-12	95% KM (bootstrap t) UCL	207.3
Maximum	5945	95% KM (BCA) UCL	165.8
Mean	952.9	95% KM (Percentile Bootstrap) UCL	166.4
Median	430.4	95% KM (Chebyshev) UCL	250.3
SD	1208	97.5% KM (Chebyshev) UCL	311
k star	0.114	99% KM (Chebyshev) UCL	430.2
Theta star	8361		
Nu star	51.97	**Potential UCLs to Use**	
AppChi2	36.41	95% KM (Chebyshev) UCL	250.3
95% Gamma Approximate UCL	1360		
95% Adjusted Gamma UCL	1363		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

OV_NAPHTHALENE

General Statistics

Number of Valid Data	22	Number of Detected Data	9
Number of Distinct Detected Data	9	Number of Non-Detect Data	13
Number of Missing Values	100	Percent Non-Detects	59.09%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.56	Minimum Detected	-0.58
Maximum Detected	130	Maximum Detected	4.868
Mean of Detected	31.67	Mean of Detected	2.481
SD of Detected	42.49	SD of Detected	1.695
Minimum Non-Detect	2	Minimum Non-Detect	0.693
Maximum Non-Detect	6	Maximum Non-Detect	1.792
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	16
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	6
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	72.73%

Warning: There are only 9 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.758	Shapiro Wilk Test Statistic	0.977
5% Shapiro Wilk Critical Value	0.829	5% Shapiro Wilk Critical Value	0.829
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	14.29	Mean	1.427
SD	30.12	SD	1.435
95% DL/2 (t) UCL	25.34	95% H-Stat (DL/2) UCL	32.17
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	0.673
		SD in Log Scale	2.068
		Mean in Original Scale	13.57
		SD in Original Scale	30.43

PROUCL OUTPUT - BLOCK H SUBSURFACE SOIL

		95% t UCL	24.74
		95% Percentile Bootstrap UCL	25.83
		95% BCA Bootstrap UCL	30.9
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.494	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	64.13		
nu star	8.89		
A-D Test Statistic	0.203	**Nonparametric Statistics**	
5% A-D Critical Value	0.761	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.761	Mean	13.6
5% K-S Critical Value	0.292	SD	29.72
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	6.728
		95% KM (t) UCL	25.18
Assuming Gamma Distribution		95% KM (z) UCL	24.67
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	23.98
Minimum	0.56	95% KM (bootstrap t) UCL	45.4
Maximum	130	95% KM (BCA) UCL	29.89
Mean	31.46	95% KM (Percentile Bootstrap) UCL	25.82
Median	29.03	95% KM (Chebyshev) UCL	42.93
SD	26.42	97.5% KM (Chebyshev) UCL	55.62
k star	1.225	99% KM (Chebyshev) UCL	80.55
Theta star	25.68		
Nu star	53.89	**Potential UCLs to Use**	
AppChi2	38.03	95% KM (t) UCL	25.18
95% Gamma Approximate UCL	44.58		
95% Adjusted Gamma UCL	45.78		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

Surface Soil

PROUCL OUTPUT - BLOCK D SURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CROMIUM

General Statistics

Number of Valid Observations	29	Number of Distinct Observations	27
Number of Missing Values	1		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.155	Minimum of Log Data	-1.864
Maximum	1.8	Maximum of Log Data	0.588
Mean	0.752	Mean of log Data	-0.401
Median	0.65	SD of log Data	0.508
SD	0.36		
Coefficient of Variation	0.479		
Skewness	0.915		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.94	Shapiro Wilk Test Statistic	0.966
Shapiro Wilk Critical Value	0.926	Shapiro Wilk Critical Value	0.926
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	0.866	95% H-UCL	0.92
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.085
95% Adjusted-CLT UCL (Chen-1995)	0.874	97.5% Chebyshev (MVUE) UCL	1.226
95% Modified-t UCL (Johnson-1978)	0.868	99% Chebyshev (MVUE) UCL	1.503
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	4.053	**Data appear Normal at 5% Significance Level**	
Theta Star	0.186		
MLE of Mean	0.752		
MLE of Standard Deviation	0.374		
nu star	235.1		
Approximate Chi Square Value (.05)	200.6	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0407	95% CLT UCL	0.862
Adjusted Chi Square Value	198.7	95% Jackknife UCL	0.866
		95% Standard Bootstrap UCL	0.861
Anderson-Darling Test Statistic	0.272	95% Bootstrap-t UCL	0.88
Anderson-Darling 5% Critical Value	0.749	95% Hall's Bootstrap UCL	0.885
Kolmogorov-Smirnov Test Statistic	0.0877	95% Percentile Bootstrap UCL	0.863
Kolmogorov-Smirnov 5% Critical Value	0.163	95% BCA Bootstrap UCL	0.888
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	1.044
		97.5% Chebyshev(Mean, Sd) UCL	1.17

PROUCL OUTPUT - BLOCK D SURFACE SOIL

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	1.418
95% Approximate Gamma UCL	0.881		
95% Adjusted Gamma UCL	0.89		
Potential UCL to Use		Use 95% Student's-t UCL	0.866

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK D SURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BENZO(A)PYRENE EQUIVALENTS

General Statistics

Number of Valid Data	117	Number of Detected Data	97
Number of Distinct Detected Data	97	Number of Non-Detect Data	20
Number of Missing Values	4	Percent Non-Detects	17.09%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.06	Minimum Detected	-2.813
Maximum Detected	22517	Maximum Detected	10.02
Mean of Detected	1830	Mean of Detected	4.904
SD of Detected	4264	SD of Detected	2.501
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	3700	Maximum Non-Detect	8.216
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	103
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	14
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	88.03%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.397	Lilliefors Test Statistic	0.133
5% Lilliefors Critical Value	0.09	5% Lilliefors Critical Value	0.09
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1566	Mean	4.367
SD	3932	SD	2.817
95% DL/2 (t) UCL	2168	95% H-Stat (DL/2) UCL	13119
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	4.217
		SD in Log Scale	2.816
		Mean in Original Scale	1519
		SD in Original Scale	3940
		95% t UCL	2123
		95% Percentile Bootstrap UCL	2111
		95% BCA Bootstrap UCL	2233
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.268	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	6836		

PROUCL OUTPUT - BLOCK D SURFACE SOIL

nu star	51.93		
A-D Test Statistic	7.368	**Nonparametric Statistics**	
5% A-D Critical Value	0.881	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.881	Mean	1524
5% K-S Critical Value	0.0993	SD	3922
Data not Gamma Distributed at 5% Significance Level		SE of Mean	364.6
		95% KM (t) UCL	2129
Assuming Gamma Distribution		95% KM (z) UCL	2124
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	2128
Minimum	1E-12	95% KM (bootstrap t) UCL	2266
Maximum	22517	95% KM (BCA) UCL	2150
Mean	1521	95% KM (Percentile Bootstrap) UCL	2159
Median	72.36	95% KM (Chebyshev) UCL	3113
SD	3939	97.5% KM (Chebyshev) UCL	3801
k star	0.115	99% KM (Chebyshev) UCL	5152
Theta star	13248		
Nu star	26.87	**Potential UCLs to Use**	
AppChi2	16.05	97.5% KM (Chebyshev) UCL	3801
95% Gamma Approximate UCL	2547		
95% Adjusted Gamma UCL	2564		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ANTIMONY

General Statistics

Number of Valid Data	24	Number of Detected Data	9
Number of Distinct Detected Data	9	Number of Non-Detect Data	15
Number of Missing Values	96	Percent Non-Detects	62.50%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.034	Minimum Detected	-3.381
Maximum Detected	3	Maximum Detected	1.099
Mean of Detected	0.501	Mean of Detected	-1.645
SD of Detected	0.946	SD of Detected	1.343
Minimum Non-Detect	0.025	Minimum Non-Detect	-3.689
Maximum Non-Detect	3.3	Maximum Non-Detect	1.194
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	24
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

Warning: There are only 9 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.52	Shapiro Wilk Test Statistic	0.937
5% Shapiro Wilk Critical Value	0.829	5% Shapiro Wilk Critical Value	0.829
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.662	Mean	-1.447
SD	0.786	SD	1.696
95% DL/2 (t) UCL	0.937	95% H-Stat (DL/2) UCL	3.523
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-2.646
		SD in Log Scale	1.265
		Mean in Original Scale	0.219
		SD in Original Scale	0.602

		95% t UCL	0.429
		95% Percentile Bootstrap UCL	0.453
		95% BCA Bootstrap UCL	0.603
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.502	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	1		
nu star	9.028		
A-D Test Statistic	0.766	**Nonparametric Statistics**	
5% A-D Critical Value	0.76	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.76	Mean	0.249
5% K-S Critical Value	0.291	SD	0.599
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	0.134
		95% KM (t) UCL	0.479
Assuming Gamma Distribution		95% KM (z) UCL	0.469
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.466
Minimum	1E-12	95% KM (bootstrap t) UCL	1.024
Maximum	3	95% KM (BCA) UCL	0.535
Mean	0.621	95% KM (Percentile Bootstrap) UCL	0.495
Median	0.253	95% KM (Chebyshev) UCL	0.833
SD	0.765	97.5% KM (Chebyshev) UCL	1.085
k star	0.253	99% KM (Chebyshev) UCL	1.58
Theta star	2.454		
Nu star	12.16	**Potential UCLs to Use**	
AppChi2	5.33	95% KM (t) UCL	0.479
95% Gamma Approximate UCL	1.417		
95% Adjusted Gamma UCL	1.506		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

ARSENIC

General Statistics

Number of Valid Data	29	Number of Detected Data	27
Number of Distinct Detected Data	23	Number of Non-Detect Data	2
Number of Missing Values	91	Percent Non-Detects	6.90%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.54	Minimum Detected	-0.616
Maximum Detected	6	Maximum Detected	1.792
Mean of Detected	2.246	Mean of Detected	0.549
SD of Detected	1.646	SD of Detected	0.745
Minimum Non-Detect	0.48	Minimum Non-Detect	-0.734
Maximum Non-Detect	0.56	Maximum Non-Detect	-0.58
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	3

PROUCL OUTPUT - BLOCK D SURFACE SOIL

For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	26
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	10.34%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.853	Shapiro Wilk Test Statistic	0.939
5% Shapiro Wilk Critical Value	0.923	5% Shapiro Wilk Critical Value	0.923
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	2.109	Mean	0.418
SD	1.667	SD	0.87
95% DL/2 (t) UCL	2.635	95% H-Stat (DL/2) UCL	3.24
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	2.028	Mean in Log Scale	0.432
SD	1.758	SD in Log Scale	0.842
95% MLE (t) UCL	2.584	Mean in Original Scale	2.113
95% MLE (Tiku) UCL	2.569	SD in Original Scale	1.662
		95% t UCL	2.638
		95% Percentile Bootstrap UCL	2.623
		95% BCA Bootstrap UCL	2.66
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.868	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	1.202		
nu star	100.9		
A-D Test Statistic	0.632	**Nonparametric Statistics**	
5% A-D Critical Value	0.756	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.756	Mean	2.128
5% K-S Critical Value	0.17	SD	1.618
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.306
		95% KM (t) UCL	2.649
Assuming Gamma Distribution		95% KM (z) UCL	2.631
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	2.644
Minimum	1E-12	95% KM (bootstrap t) UCL	2.716
Maximum	6	95% KM (BCA) UCL	2.629
Mean	2.091	95% KM (Percentile Bootstrap) UCL	2.626
Median	1.7	95% KM (Chebyshev) UCL	3.462
SD	1.689	97.5% KM (Chebyshev) UCL	4.04
k star	0.31	99% KM (Chebyshev) UCL	5.174
Theta star	6.746		
Nu star	17.98	**Potential UCLs to Use**	
AppChi2	9.373	95% KM (Chebyshev) UCL	3.462
95% Gamma Approximate UCL	4.009		
95% Adjusted Gamma UCL	4.175		
Note: DL/2 is not a recommended method.			
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			

PROUCL OUTPUT - BLOCK D SURFACE SOIL

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

CADMIUM

General Statistics

Number of Valid Data	29	Number of Detected Data	5
Number of Distinct Detected Data	4	Number of Non-Detect Data	24
Number of Missing Values	91	Percent Non-Detects	82.76%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.053	Minimum Detected	-2.937
Maximum Detected	0.4	Maximum Detected	-0.916
Mean of Detected	0.183	Mean of Detected	-1.939
SD of Detected	0.14	SD of Detected	0.782
Minimum Non-Detect	0.0082	Minimum Non-Detect	-4.804
Maximum Non-Detect	3.3	Maximum Non-Detect	1.194
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	29
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

Warning: There are only 4 Distinct Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.881	Shapiro Wilk Test Statistic	0.958
5% Shapiro Wilk Critical Value	0.762	5% Shapiro Wilk Critical Value	0.762
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.695	Mean	-1.693
SD	0.659	SD	2.269
95% DL/2 (t) UCL	0.903	95% H-Stat (DL/2) UCL	15.5
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-3.375
		SD in Log Scale	0.912
		Mean in Original Scale	0.057
		SD in Original Scale	0.0813
		95% t UCL	0.0827
		95% Percentile Bootstrap UCL	0.0834
		95% BCA Bootstrap UCL	0.0941

PROUCL OUTPUT - BLOCK D SURFACE SOIL

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	1.032	Data appear Normal at 5% Significance Level	
Theta Star	0.177		
nu star	10.32		
A-D Test Statistic	0.305	Nonparametric Statistics	
5% A-D Critical Value	0.684	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.684	Mean	0.0977
5% K-S Critical Value	0.36	SD	0.0949
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0277
		95% KM (t) UCL	0.145
Assuming Gamma Distribution		95% KM (z) UCL	0.143
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.143
Minimum	0.053	95% KM (bootstrap t) UCL	0.185
Maximum	0.482	95% KM (BCA) UCL	0.265
Mean	0.243	95% KM (Percentile Bootstrap) UCL	0.193
Median	0.211	95% KM (Chebyshev) UCL	0.218
SD	0.106	97.5% KM (Chebyshev) UCL	0.271
k star	4.46	99% KM (Chebyshev) UCL	0.373
Theta star	0.0545		
Nu star	258.7	Potential UCLs to Use	
AppChi2	222.5	95% KM (t) UCL	0.145
95% Gamma Approximate UCL	0.283	95% KM (Percentile Bootstrap) UCL	0.193
95% Adjusted Gamma UCL	0.285		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	29	Number of Detected Data	11
Number of Distinct Detected Data	11	Number of Non-Detect Data	18
Number of Missing Values	91	Percent Non-Detects	62.07%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.019	Minimum Detected	-3.963
Maximum Detected	1.7	Maximum Detected	0.531
Mean of Detected	0.322	Mean of Detected	-1.915
SD of Detected	0.491	SD of Detected	1.282
Minimum Non-Detect	0.016	Minimum Non-Detect	-4.135
Maximum Non-Detect	0.13	Maximum Non-Detect	-2.04
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	24
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	5
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	82.76%

UCL Statistics

PROUCL OUTPUT - BLOCK D SURFACE SOIL

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.632	Shapiro Wilk Test Statistic	0.963
5% Shapiro Wilk Critical Value	0.85	5% Shapiro Wilk Critical Value	0.85
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.15	Mean	-2.797
SD	0.324	SD	1.222
95% DL/2 (t) UCL	0.252	95% H-Stat (DL/2) UCL	0.243
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-3.191
		SD in Log Scale	1.467
		Mean in Original Scale	0.139
		SD in Original Scale	0.328
		95% t UCL	0.243
		95% Percentile Bootstrap UCL	0.248
		95% BCA Bootstrap UCL	0.307
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.616	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.524		
nu star	13.54		
A-D Test Statistic	0.597	**Nonparametric Statistics**	
5% A-D Critical Value	0.762	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.762	Mean	0.147
5% K-S Critical Value	0.265	SD	0.32
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0626
		95% KM (t) UCL	0.254
Assuming Gamma Distribution		95% KM (z) UCL	0.25
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.243
Minimum	0.019	95% KM (bootstrap t) UCL	0.438
Maximum	1.7	95% KM (BCA) UCL	0.272
Mean	0.297	95% KM (Percentile Bootstrap) UCL	0.267
Median	0.223	95% KM (Chebyshev) UCL	0.42
SD	0.305	97.5% KM (Chebyshev) UCL	0.538
k star	1.486	99% KM (Chebyshev) UCL	0.77
Theta star	0.2		
Nu star	86.19	**Potential UCLs to Use**	
AppChi2	65.79	95% KM (t) UCL	0.254
95% Gamma Approximate UCL	0.389		
95% Adjusted Gamma UCL	0.396		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK D SURFACE SOIL

MOLYBDENUM			
General Statistics			
Number of Valid Data	15	Number of Detected Data	14
Number of Distinct Detected Data	12	Number of Non-Detect Data	1
Number of Missing Values	68	Percent Non-Detects	6.67%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.14	Minimum Detected	-1.966
Maximum Detected	0.61	Maximum Detected	-0.494
Mean of Detected	0.399	Mean of Detected	-0.983
SD of Detected	0.133	SD of Detected	0.401
Minimum Non-Detect	0.14	Minimum Non-Detect	-1.966
Maximum Non-Detect	0.14	Maximum Non-Detect	-1.966
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.979	Shapiro Wilk Test Statistic	0.91
5% Shapiro Wilk Critical Value	0.874	5% Shapiro Wilk Critical Value	0.874
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.377	Mean	-1.095
SD	0.154	SD	0.58
95% DL/2 (t) UCL	0.447	95% H-Stat (DL/2) UCL	0.553
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	0.378	Mean in Log Scale	-1.045
SD	0.149	SD in Log Scale	0.455
95% MLE (t) UCL	0.445	Mean in Original Scale	0.383
95% MLE (Tiku) UCL	0.446	SD in Original Scale	0.144
		95% t UCL	0.448
		95% Percentile Bootstrap UCL	0.445
		95% BCA Bootstrap UCL	0.435
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	6.218	**Data appear Normal at 5% Significance Level**	
Theta Star	0.0642		
nu star	174.1		
A-D Test Statistic	0.343	**Nonparametric Statistics**	
5% A-D Critical Value	0.736	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.736	Mean	0.382
5% K-S Critical Value	0.229	SD	0.14
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0375
		95% KM (t) UCL	0.448
Assuming Gamma Distribution		95% KM (z) UCL	0.444
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.447
Minimum	0.0936	95% KM (bootstrap t) UCL	0.443

Maximum	0.61	95% KM (BCA) UCL	0.449
Mean	0.379	95% KM (Percentile Bootstrap) UCL	0.443
Median	0.4	95% KM (Chebyshev) UCL	0.545
SD	0.151	97.5% KM (Chebyshev) UCL	0.616
k star	3.983	99% KM (Chebyshev) UCL	0.755
Theta star	0.0951		
Nu star	119.5	**Potential UCLs to Use**	
AppChi2	95.24	95% KM (t) UCL	0.448
95% Gamma Approximate UCL	0.475	95% KM (Percentile Bootstrap) UCL	0.443
95% Adjusted Gamma UCL	0.489		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	29	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	29
Number of Missing Values	91	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,3-TRICHLOROBENZENE was not processed!

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	29	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	29
Number of Missing Values	91	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,4-TRICHLOROBENZENE was not processed!

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	29	Number of Detected Data	0

Number of Distinct Detected Data	0	Number of Non-Detect Data	29
Number of Missing Values	91	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,4-DICHLOROBENZENE was not processed!

AROCLOR-1254

General Statistics

Number of Valid Data	29	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	29
Number of Missing Values	91	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1254 was not processed!

AROCLOR-1260

General Statistics

Number of Valid Data	29	Number of Detected Data	1
Number of Distinct Detected Data	1	Number of Non-Detect Data	28
Number of Missing Values	91	Percent Non-Detects	96.55%

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1260 was not processed!

DIESEL RANGE ORGANICS

General Statistics

Number of Valid Data	29	Number of Detected Data	22
Number of Distinct Detected Data	21	Number of Non-Detect Data	7
Number of Missing Values	91	Percent Non-Detects	24.14%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	8600	Minimum Detected	9.06

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Maximum Detected	1800000	Maximum Detected	14.4
Mean of Detected	180136	Mean of Detected	10.79
SD of Detected	401179	SD of Detected	1.481
Minimum Non-Detect	11000	Minimum Non-Detect	9.306
Maximum Non-Detect	18000	Maximum Non-Detect	9.798
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	13
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	16
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	44.83%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.474	Shapiro Wilk Test Statistic	0.897
5% Shapiro Wilk Critical Value	0.911	5% Shapiro Wilk Critical Value	0.911
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	138172	Mean	10.29
SD	355585	SD	1.567
95% DL/2 (t) UCL	250499	95% H-Stat (DL/2) UCL	263476
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	10.26
		SD in Log Scale	1.615
		Mean in Original Scale	138091
		SD in Original Scale	355618
		95% t UCL	250428
		95% Percentile Bootstrap UCL	252324
		95% BCA Bootstrap UCL	315179
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.45	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	400361		
nu star	19.8		
A-D Test Statistic	2.096	**Nonparametric Statistics**	
5% A-D Critical Value	0.807	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.807	Mean	138964
5% K-S Critical Value	0.196	SD	349104
Data not Gamma Distributed at 5% Significance Level		SE of Mean	66353
		95% KM (t) UCL	251839
Assuming Gamma Distribution		95% KM (z) UCL	248105
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	251196
Minimum	1E-12	95% KM (bootstrap t) UCL	482625
Maximum	1800000	95% KM (BCA) UCL	255114
Mean	136655	95% KM (Percentile Bootstrap) UCL	256510
Median	24000	95% KM (Chebyshev) UCL	428189
SD	356178	97.5% KM (Chebyshev) UCL	553337
k star	0.0954	99% KM (Chebyshev) UCL	799165
Theta star	1431845		

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Nu star	5.536	**Potential UCLs to Use**	
AppChi2	1.407	97.5% KM (Chebyshev) UCL	553337
95% Gamma Approximate UCL	537528		
95% Adjusted Gamma UCL	587299		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	29	Number of Detected Data	8
Number of Distinct Detected Data	8	Number of Non-Detect Data	21
Number of Missing Values	91	Percent Non-Detects	72.41%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	71	Minimum Detected	4.263
Maximum Detected	4800	Maximum Detected	8.476
Mean of Detected	1476	Mean of Detected	6.619
SD of Detected	1673	SD of Detected	1.379
Minimum Non-Detect	48	Minimum Non-Detect	3.871
Maximum Non-Detect	140	Maximum Non-Detect	4.942
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	22
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	7
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	75.86%

Warning: There are only 8 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.816	Shapiro Wilk Test Statistic	0.98
5% Shapiro Wilk Critical Value	0.818	5% Shapiro Wilk Critical Value	0.818
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	434.2	Mean	4.378
SD	1062	SD	1.608
95% DL/2 (t) UCL	769.8	95% H-Stat (DL/2) UCL	792.2
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	3.007

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		SD in Log Scale	2.605
		Mean in Original Scale	414.4
		SD in Original Scale	1070
		95% t UCL	752.4
		95% Percentile Bootstrap UCL	766.3
		95% BCA Bootstrap UCL	929.5
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.624	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	2364		
nu star	9.991		
A-D Test Statistic	0.187	**Nonparametric Statistics**	
5% A-D Critical Value	0.741	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.741	Mean	458.7
5% K-S Critical Value	0.303	SD	1034
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	205.3
		95% KM (t) UCL	808
Assuming Gamma Distribution		95% KM (z) UCL	796.5
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	740.9
Minimum	71	95% KM (bootstrap t) UCL	1255
Maximum	4800	95% KM (BCA) UCL	1286
Mean	1468	95% KM (Percentile Bootstrap) UCL	955.5
Median	1477	95% KM (Chebyshev) UCL	1354
SD	838.9	97.5% KM (Chebyshev) UCL	1741
k star	2.545	99% KM (Chebyshev) UCL	2502
Theta star	576.7		
Nu star	147.6	**Potential UCLs to Use**	
AppChi2	120.5	95% KM (t) UCL	808
95% Gamma Approximate UCL	1797		
95% Adjusted Gamma UCL	1819		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK D SURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

COBALT

General Statistics

Number of Valid Observations	15	Number of Distinct Observations	15
Number of Missing Values	68		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.5	Minimum of Log Data	-0.693
Maximum	27.5	Maximum of Log Data	3.314
Mean	6.071	Mean of log Data	1.148
Median	3.2	SD of log Data	1.247
SD	7.266		
Coefficient of Variation	1.197		
Skewness	2.067		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.759	Shapiro Wilk Test Statistic	0.959
Shapiro Wilk Critical Value	0.881	Shapiro Wilk Critical Value	0.881
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	9.376	95% H-UCL	19.66
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	16.27
95% Adjusted-CLT UCL (Chen-1995)	10.23	97.5% Chebyshev (MVUE) UCL	20.57
95% Modified-t UCL (Johnson-1978)	9.542	99% Chebyshev (MVUE) UCL	29.03
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	0.759	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	7.999		
MLE of Mean	6.071		
MLE of Standard Deviation	6.969		
nu star	22.77		
Approximate Chi Square Value (.05)	12.92	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0324	95% CLT UCL	9.157
Adjusted Chi Square Value	12.01	95% Jackknife UCL	9.376
		95% Standard Bootstrap UCL	9.043
Anderson-Darling Test Statistic	0.32	95% Bootstrap-t UCL	12.2
Anderson-Darling 5% Critical Value	0.768	95% Hall's Bootstrap UCL	21.09
Kolmogorov-Smirnov Test Statistic	0.161	95% Percentile Bootstrap UCL	9.324
Kolmogorov-Smirnov 5% Critical Value	0.229	95% BCA Bootstrap UCL	10.07
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	14.25
		97.5% Chebyshev(Mean, Sd) UCL	17.79

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	24.74
95% Approximate Gamma UCL	10.7		
95% Adjusted Gamma UCL	11.51		
Potential UCL to Use		Use 95% Approximate Gamma UCL	10.7

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

IRON

General Statistics

Number of Valid Observations	15	Number of Distinct Observations	14
Number of Missing Values	68		

Raw Statistics		**Log-transformed Statistics**	
Minimum	3870	Minimum of Log Data	8.261
Maximum	25400	Maximum of Log Data	10.14
Mean	11700	Mean of log Data	9.146
Median	7620	SD of log Data	0.687
SD	8028		
Coefficient of Variation	0.686		
Skewness	0.693		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.806	Shapiro Wilk Test Statistic	0.873
Shapiro Wilk Critical Value	0.881	Shapiro Wilk Critical Value	0.881
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	15351	95% H-UCL	18056
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	21114
95% Adjusted-CLT UCL (Chen-1995)	15506	97.5% Chebyshev (MVUE) UCL	25211
95% Modified-t UCL (Johnson-1978)	15413	99% Chebyshev (MVUE) UCL	33259
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.972	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	5934		
MLE of Mean	11700		
MLE of Standard Deviation	8332		
nu star	59.15		
Approximate Chi Square Value (.05)	42.47	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0324	95% CLT UCL	15110
Adjusted Chi Square Value	40.73	95% Jackknife UCL	15351
		95% Standard Bootstrap UCL	15061
Anderson-Darling Test Statistic	0.985	95% Bootstrap-t UCL	16195
Anderson-Darling 5% Critical Value	0.746	95% Hall's Bootstrap UCL	14715
Kolmogorov-Smirnov Test Statistic	0.206	95% Percentile Bootstrap UCL	14979

Kolmogorov-Smirnov 5% Critical Value	0.224	95% BCA Bootstrap UCL	15110
Data follow Appr. Gamma Distribution at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	20735
		97.5% Chebyshev(Mean, Sd) UCL	24645
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	32325
95% Approximate Gamma UCL	16297		
95% Adjusted Gamma UCL	16992		
Potential UCL to Use		Use 95% Approximate Gamma UCL	16297

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

LEAD

General Statistics

Number of Valid Observations	29	Number of Distinct Observations	26
Number of Missing Values	91		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.98	Minimum of Log Data	-0.0202
Maximum	75	Maximum of Log Data	4.317
Mean	20.55	Mean of log Data	2.444
Median	15.8	SD of log Data	1.273
SD	19.13		
Coefficient of Variation	0.931		
Skewness	1.226		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.874	Shapiro Wilk Test Statistic	0.921
Shapiro Wilk Critical Value	0.926	Shapiro Wilk Critical Value	0.926
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	26.6	95% H-UCL	51.15
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	55.54
95% Adjusted-CLT UCL (Chen-1995)	27.26	97.5% Chebyshev (MVUE) UCL	68.87
95% Modified-t UCL (Johnson-1978)	26.73	99% Chebyshev (MVUE) UCL	95.06
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	0.917	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	22.4		
MLE of Mean	20.55		
MLE of Standard Deviation	21.46		
nu star	53.21		
Approximate Chi Square Value (.05)	37.45	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0407	95% CLT UCL	26.4
Adjusted Chi Square Value	36.66	95% Jackknife UCL	26.6
		95% Standard Bootstrap UCL	26.26

Anderson-Darling Test Statistic	0.316	95% Bootstrap-t UCL	27.92
Anderson-Darling 5% Critical Value	0.774	95% Hall's Bootstrap UCL	27.84
Kolmogorov-Smirnov Test Statistic	0.114	95% Percentile Bootstrap UCL	26.71
Kolmogorov-Smirnov 5% Critical Value	0.167	95% BCA Bootstrap UCL	27
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	36.04
		97.5% Chebyshev(Mean, Sd) UCL	42.74
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	55.9
95% Approximate Gamma UCL	29.2		
95% Adjusted Gamma UCL	29.83		
Potential UCL to Use		Use 95% Approximate Gamma UCL	29.2

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

MANGANESE

General Statistics

Number of Valid Observations	15	Number of Distinct Observations	13
Number of Missing Values	68		

Raw Statistics		**Log-transformed Statistics**	
Minimum	9.4	Minimum of Log Data	2.241
Maximum	183	Maximum of Log Data	5.209
Mean	56.3	Mean of log Data	3.589
Median	30.8	SD of log Data	1.011
SD	52.23		
Coefficient of Variation	0.928		
Skewness	1.177		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.846	Shapiro Wilk Test Statistic	0.927
Shapiro Wilk Critical Value	0.881	Shapiro Wilk Critical Value	0.881
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	80.05	95% H-UCL	127.2
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	129.1
95% Adjusted-CLT UCL (Chen-1995)	82.86	97.5% Chebyshev (MVUE) UCL	160.1
95% Modified-t UCL (Johnson-1978)	80.74	99% Chebyshev (MVUE) UCL	221
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.063	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	52.98		
MLE of Mean	56.3		
MLE of Standard Deviation	54.62		
nu star	31.88		
Approximate Chi Square Value (.05)	19.98	**Nonparametric Statistics**	

Adjusted Level of Significance	0.0324	95% CLT UCL	78.48
Adjusted Chi Square Value	18.82	95% Jackknife UCL	80.05
		95% Standard Bootstrap UCL	77.49
Anderson-Darling Test Statistic	0.479	95% Bootstrap-t UCL	86.2
Anderson-Darling 5% Critical Value	0.758	95% Hall's Bootstrap UCL	84.34
Kolmogorov-Smirnov Test Statistic	0.154	95% Percentile Bootstrap UCL	79.35
Kolmogorov-Smirnov 5% Critical Value	0.227	95% BCA Bootstrap UCL	83.68
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	115.1
		97.5% Chebyshev(Mean, Sd) UCL	140.5
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	190.5
95% Approximate Gamma UCL	89.85		
95% Adjusted Gamma UCL	95.36		
Potential UCL to Use		Use 95% Approximate Gamma UCL	89.85

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

NICKEL

General Statistics

Number of Valid Observations	29	Number of Distinct Observations	26
Number of Missing Values	91		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.64	Minimum of Log Data	-0.446
Maximum	40.6	Maximum of Log Data	3.704
Mean	10.91	Mean of log Data	1.99
Median	8.4	SD of log Data	1.04
SD	9.021		
Coefficient of Variation	0.827		
Skewness	1.47		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.878	Shapiro Wilk Test Statistic	0.928
Shapiro Wilk Critical Value	0.926	Shapiro Wilk Critical Value	0.926
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	13.76	95% H-UCL	20.61
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	24.13
95% Adjusted-CLT UCL (Chen-1995)	14.16	97.5% Chebyshev (MVUE) UCL	29.28
95% Modified-t UCL (Johnson-1978)	13.84	99% Chebyshev (MVUE) UCL	39.4
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.274	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	8.567		
MLE of Mean	10.91		

MLE of Standard Deviation	9.669		
nu star	73.87		
Approximate Chi Square Value (.05)	55.08	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0407	95% CLT UCL	13.67
Adjusted Chi Square Value	54.11	95% Jackknife UCL	13.76
		95% Standard Bootstrap UCL	13.63
Anderson-Darling Test Statistic	0.222	95% Bootstrap-t UCL	14.42
Anderson-Darling 5% Critical Value	0.765	95% Hall's Bootstrap UCL	14.77
Kolmogorov-Smirnov Test Statistic	0.0697	95% Percentile Bootstrap UCL	13.76
Kolmogorov-Smirnov 5% Critical Value	0.166	95% BCA Bootstrap UCL	14
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	18.21
		97.5% Chebyshev(Mean, Sd) UCL	21.37
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	27.58
95% Approximate Gamma UCL	14.63		
95% Adjusted Gamma UCL	14.9		
Potential UCL to Use		Use 95% Approximate Gamma UCL	14.63

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

VANADIUM

General Statistics

Number of Valid Observations	15	Number of Distinct Observations	15
Number of Missing Values	68		

Raw Statistics		**Log-transformed Statistics**	
Minimum	10.9	Minimum of Log Data	2.389
Maximum	43.3	Maximum of Log Data	3.768
Mean	20.91	Mean of log Data	2.957
Median	17.4	SD of log Data	0.413
SD	9.375		
Coefficient of Variation	0.448		
Skewness	1.164		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.876	Shapiro Wilk Test Statistic	0.945
Shapiro Wilk Critical Value	0.881	Shapiro Wilk Critical Value	0.881
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	25.17	95% H-UCL	26.05
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	30.68
95% Adjusted-CLT UCL (Chen-1995)	25.67	97.5% Chebyshev (MVUE) UCL	34.95
95% Modified-t UCL (Johnson-1978)	25.29	99% Chebyshev (MVUE) UCL	43.34
Gamma Distribution Test		**Data Distribution**	

PROUCL OUTPUT - BLOCK D SURFACE SOIL

k star (bias corrected)	4.97	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	4.207		
MLE of Mean	20.91		
MLE of Standard Deviation	9.378		
nu star	149.1		
Approximate Chi Square Value (.05)	121.9	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0324	95% CLT UCL	24.89
Adjusted Chi Square Value	118.8	95% Jackknife UCL	25.17
		95% Standard Bootstrap UCL	24.83
Anderson-Darling Test Statistic	0.481	95% Bootstrap-t UCL	26.61
Anderson-Darling 5% Critical Value	0.738	95% Hall's Bootstrap UCL	25.85
Kolmogorov-Smirnov Test Statistic	0.186	95% Percentile Bootstrap UCL	24.79
Kolmogorov-Smirnov 5% Critical Value	0.222	95% BCA Bootstrap UCL	25.52
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	31.46
		97.5% Chebyshev(Mean, Sd) UCL	36.02
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	44.99
95% Approximate Gamma UCL	25.58		
95% Adjusted Gamma UCL	26.23		
Potential UCL to Use		Use 95% Approximate Gamma UCL	25.58

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK E SURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet_a.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

TOTAL CHROMIUM

General Statistics

Number of Valid Observations	29	Number of Distinct Observations	26
Number of Missing Values	1		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.315	Minimum of Log Data	-1.155
Maximum	4.185	Maximum of Log Data	1.432
Mean	0.761	Mean of log Data	-0.447
Median	0.57	SD of log Data	0.504
SD	0.706		
Coefficient of Variation	0.928		
Skewness	4.375		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.482	Shapiro Wilk Test Statistic	0.845
Shapiro Wilk Critical Value	0.926	Shapiro Wilk Critical Value	0.926
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	0.984	95% H-UCL	0.875
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.031
95% Adjusted-CLT UCL (Chen-1995)	1.091	97.5% Chebyshev (MVUE) UCL	1.164
95% Modified-t UCL (Johnson-1978)	1.002	99% Chebyshev (MVUE) UCL	1.426
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.739	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	0.278		
MLE of Mean	0.761		
MLE of Standard Deviation	0.46		
nu star	158.8		
Approximate Chi Square Value (.05)	130.7	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0407	95% CLT UCL	0.977
Adjusted Chi Square Value	129.2	95% Jackknife UCL	0.984
		95% Standard Bootstrap UCL	0.972
Anderson-Darling Test Statistic	2.274	95% Bootstrap-t UCL	1.383
Anderson-Darling 5% Critical Value	0.753	95% Hall's Bootstrap UCL	1.79
Kolmogorov-Smirnov Test Statistic	0.226	95% Percentile Bootstrap UCL	0.995
Kolmogorov-Smirnov 5% Critical Value	0.164	95% BCA Bootstrap UCL	1.105
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	1.333
		97.5% Chebyshev(Mean, Sd) UCL	1.58

PROUCL OUTPUT - BLOCK E SURFACE SOIL

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL					2.066
95% Approximate Gamma UCL	0.925						
95% Adjusted Gamma UCL	0.936						
Potential UCL to Use		Use 95% Chebyshev (Mean, Sd) UCL					1.333

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK E SURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet_a.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ANTIMONY

General Statistics

Number of Valid Data	29	Number of Detected Data	15
Number of Distinct Detected Data	11	Number of Non-Detect Data	14
Number of Missing Values	191	Percent Non-Detects	48.28%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.031	Minimum Detected	-3.474
Maximum Detected	1.345	Maximum Detected	0.296
Mean of Detected	0.328	Mean of Detected	-1.526
SD of Detected	0.353	SD of Detected	0.932
Minimum Non-Detect	0.066	Minimum Non-Detect	-2.718
Maximum Non-Detect	2.9	Maximum Non-Detect	1.065
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	29
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.706	Shapiro Wilk Test Statistic	0.961
5% Shapiro Wilk Critical Value	0.881	5% Shapiro Wilk Critical Value	0.881
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.558	Mean	-1.3
SD	0.575	SD	1.324
95% DL/2 (t) UCL	0.739	95% H-Stat (DL/2) UCL	1.35
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-1.951
		SD in Log Scale	0.915
		Mean in Original Scale	0.223
		SD in Original Scale	0.278
		95% t UCL	0.311
		95% Percentile Bootstrap UCL	0.311
		95% BCA Bootstrap UCL	0.34
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.131	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	0.29		

nu star	33.94		
A-D Test Statistic	0.662	**Nonparametric Statistics**	
5% A-D Critical Value	0.756	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.756	Mean	0.25
5% K-S Critical Value	0.226	SD	0.314
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	0.071
		95% KM (t) UCL	0.371
Assuming Gamma Distribution		95% KM (z) UCL	0.367
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.367
Minimum	1E-12	95% KM (bootstrap t) UCL	0.527
Maximum	1.345	95% KM (BCA) UCL	0.385
Mean	0.335	95% KM (Percentile Bootstrap) UCL	0.375
Median	0.22	95% KM (Chebyshev) UCL	0.56
SD	0.308	97.5% KM (Chebyshev) UCL	0.694
k star	0.488	99% KM (Chebyshev) UCL	0.957
Theta star	0.687		
Nu star	28.3	**Potential UCLs to Use**	
AppChi2	17.16	95% KM (t) UCL	0.371
95% Gamma Approximate UCL	0.553		
95% Adjusted Gamma UCL	0.57		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

CADMIUM

General Statistics

Number of Valid Data	29	Number of Detected Data	20
Number of Distinct Detected Data	17	Number of Non-Detect Data	9
Number of Missing Values	191	Percent Non-Detects	31.03%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.0125	Minimum Detected	-4.382
Maximum Detected	6.4	Maximum Detected	1.856
Mean of Detected	0.526	Mean of Detected	-2.089
SD of Detected	1.413	SD of Detected	1.569
Minimum Non-Detect	0.012	Minimum Non-Detect	-4.423
Maximum Non-Detect	2.9	Maximum Non-Detect	1.065
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	28
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	96.55%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.378	Shapiro Wilk Test Statistic	0.955
5% Shapiro Wilk Critical Value	0.905	5% Shapiro Wilk Critical Value	0.905

PROUCL OUTPUT - BLOCK E SURFACE SOIL

Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.739	Mean	-1.533
SD	1.233	SD	1.822
95% DL/2 (t) UCL	1.128	95% H-Stat (DL/2) UCL	3.964
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-2.303
		SD in Log Scale	1.509
		Mean in Original Scale	0.394
		SD in Original Scale	1.182
		95% t UCL	0.768
		95% Percentile Bootstrap UCL	0.817
		95% BCA Bootstrap UCL	1.111
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.413	**Data appear Lognormal at 5% Significance Level**	
Theta Star	1.274		
nu star	16.52		
A-D Test Statistic	1.535	**Nonparametric Statistics**	
5% A-D Critical Value	0.814	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.814	Mean	0.42
5% K-S Critical Value	0.206	SD	1.165
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.225
		95% KM (t) UCL	0.802
Assuming Gamma Distribution		95% KM (z) UCL	0.79
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.799
Minimum	1E-12	95% KM (bootstrap t) UCL	2.108
Maximum	6.4	95% KM (BCA) UCL	0.888
Mean	0.463	95% KM (Percentile Bootstrap) UCL	0.818
Median	0.16	95% KM (Chebyshev) UCL	1.399
SD	1.19	97.5% KM (Chebyshev) UCL	1.823
k star	0.2	99% KM (Chebyshev) UCL	2.654
Theta star	2.318		
Nu star	11.58	**Potential UCLs to Use**	
AppChi2	4.952	99% KM (Chebyshev) UCL	2.654
95% Gamma Approximate UCL	1.082		
95% Adjusted Gamma UCL	1.142		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

LEAD

General Statistics

PROUCL OUTPUT - BLOCK E SURFACE SOIL

Number of Valid Data	29	Number of Detected Data	27
Number of Distinct Detected Data	23	Number of Non-Detect Data	2
Number of Missing Values	191	Percent Non-Detects	6.90%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	2	Minimum Detected	0.693
Maximum Detected	278	Maximum Detected	5.628
Mean of Detected	23.05	Mean of Detected	2.225
SD of Detected	53.92	SD of Detected	1.115
Minimum Non-Detect	2.8	Minimum Non-Detect	1.03
Maximum Non-Detect	2.9	Maximum Non-Detect	1.065
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	3
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	26
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	10.34%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.393	Shapiro Wilk Test Statistic	0.882
5% Shapiro Wilk Critical Value	0.923	5% Shapiro Wilk Critical Value	0.923
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	21.56	Mean	2.096
SD	52.26	SD	1.178
95% DL/2 (t) UCL	38.06	95% H-Stat (DL/2) UCL	29.68
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	17.67	Mean in Log Scale	2.076
SD	54.95	SD in Log Scale	1.212
95% MLE (t) UCL	35.02	Mean in Original Scale	21.53
95% MLE (Tiku) UCL	33.7	SD in Original Scale	52.27
		95% t UCL	38.04
		95% Percentile Bootstrap UCL	38.57
		95% BCA Bootstrap UCL	50.68
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.618	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	37.32		
nu star	33.35		
A-D Test Statistic	2.878	**Nonparametric Statistics**	
5% A-D Critical Value	0.792	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.792	Mean	21.6
5% K-S Critical Value	0.176	SD	51.33
Data not Gamma Distributed at 5% Significance Level		SE of Mean	9.714
		95% KM (t) UCL	38.12
Assuming Gamma Distribution		95% KM (z) UCL	37.57
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	38.04
Minimum	1E-12	95% KM (bootstrap t) UCL	91.53

Maximum	278	95% KM (BCA) UCL	39.96
Mean	21.46	95% KM (Percentile Bootstrap) UCL	39.2
Median	6.8	95% KM (Chebyshev) UCL	63.94
SD	52.3	97.5% KM (Chebyshev) UCL	82.26
k star	0.243	99% KM (Chebyshev) UCL	118.2
Theta star	88.23		
Nu star	14.11	**Potential UCLs to Use**	
AppChi2	6.644	97.5% KM (Chebyshev) UCL	82.26
95% Gamma Approximate UCL	45.56		
95% Adjusted Gamma UCL	47.75		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	29	Number of Detected Data	8
Number of Distinct Detected Data	8	Number of Non-Detect Data	21
Number of Missing Values	191	Percent Non-Detects	72.41%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.061	Minimum Detected	-2.797
Maximum Detected	0.41	Maximum Detected	-0.892
Mean of Detected	0.175	Mean of Detected	-1.928
SD of Detected	0.119	SD of Detected	0.647
Minimum Non-Detect	0.019	Minimum Non-Detect	-3.963
Maximum Non-Detect	0.12	Maximum Non-Detect	-2.12
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	23
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	6
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	79.31%

Warning: There are only 8 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.86	Shapiro Wilk Test Statistic	0.955
5% Shapiro Wilk Critical Value	0.818	5% Shapiro Wilk Critical Value	0.818
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	

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Mean	0.0661	Mean	-3.475
SD	0.0927	SD	1.243
95% DL/2 (t) UCL	0.0954	95% H-Stat (DL/2) UCL	0.129
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-3.593
		SD in Log Scale	1.256
		Mean in Original Scale	0.0615
		SD in Original Scale	0.0936
		95% t UCL	0.0911
		95% Percentile Bootstrap UCL	0.092
		95% BCA Bootstrap UCL	0.1
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.855	**Data appear Normal at 5% Significance Level**	
Theta Star	0.0945		
nu star	29.69		
A-D Test Statistic	0.321	**Nonparametric Statistics**	
5% A-D Critical Value	0.722	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.722	Mean	0.0927
5% K-S Critical Value	0.296	SD	0.0777
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0154
		95% KM (t) UCL	0.119
Assuming Gamma Distribution		95% KM (z) UCL	0.118
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.114
Minimum	0.00667	95% KM (bootstrap t) UCL	0.136
Maximum	0.41	95% KM (BCA) UCL	0.158
Mean	0.211	95% KM (Percentile Bootstrap) UCL	0.146
Median	0.225	95% KM (Chebyshev) UCL	0.16
SD	0.105	97.5% KM (Chebyshev) UCL	0.189
k star	2.344	99% KM (Chebyshev) UCL	0.246
Theta star	0.0901		
Nu star	135.9	**Potential UCLs to Use**	
AppChi2	110	95% KM (t) UCL	0.119
95% Gamma Approximate UCL	0.261	95% KM (Percentile Bootstrap) UCL	0.146
95% Adjusted Gamma UCL	0.264		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MOLYBDENUM

General Statistics

Number of Valid Data	21	Number of Detected Data	4
Number of Distinct Detected Data	4	Number of Non-Detect Data	17
Number of Missing Values	77	Percent Non-Detects	80.95%

PROUCL OUTPUT - BLOCK E SURFACE SOIL

Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.378	Minimum Detected	-0.974
Maximum Detected	3.2	Maximum Detected	1.163
Mean of Detected	1.354	Mean of Detected	-0.0187
SD of Detected	1.277	SD of Detected	0.919
Minimum Non-Detect	0.077	Minimum Non-Detect	-2.564
Maximum Non-Detect	0.78	Maximum Non-Detect	-0.248
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	19
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	2
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	90.48%

Warning: There are only 4 Distinct Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.845	Shapiro Wilk Test Statistic	0.978
5% Shapiro Wilk Critical Value	0.748	5% Shapiro Wilk Critical Value	0.748
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.359	Mean	-1.876
SD	0.705	SD	1.162
95% DL/2 (t) UCL	0.624	95% H-Stat (DL/2) UCL	0.622
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-2.988
		SD in Log Scale	1.541
		Mean in Original Scale	0.279
		SD in Original Scale	0.728
		95% t UCL	0.553
		95% Percentile Bootstrap UCL	0.571
		95% BCA Bootstrap UCL	0.704
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.592	**Data appear Normal at 5% Significance Level**	
Theta Star	2.289		
nu star	4.733		
A-D Test Statistic	0.285	**Nonparametric Statistics**	
5% A-D Critical Value	0.662	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.662	Mean	0.564
5% K-S Critical Value	0.399	SD	0.617
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.155
		95% KM (t) UCL	0.832

Assuming Gamma Distribution		95% KM (z) UCL	0.82
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.802
Minimum	1E-12	95% KM (bootstrap t) UCL	1.02
Maximum	3.2	95% KM (BCA) UCL	3.2
Mean	0.258	95% KM (Percentile Bootstrap) UCL	1.425
Median	1E-12	95% KM (Chebyshev) UCL	1.242
SD	0.736	97.5% KM (Chebyshev) UCL	1.535
k star	0.068	99% KM (Chebyshev) UCL	2.11
Theta star	3.796		
Nu star	2.854	**Potential UCLs to Use**	
AppChi2	0.331	95% KM (t) UCL	0.832
95% Gamma Approximate UCL	2.227	95% KM (Percentile Bootstrap) UCL	1.425
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	42	Number of Detected Data	8
Number of Distinct Detected Data	8	Number of Non-Detect Data	34
Number of Missing Values	178	Percent Non-Detects	80.95%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	11	Minimum Detected	2.398
Maximum Detected	43000	Maximum Detected	10.67
Mean of Detected	10353	Mean of Detected	5.947
SD of Detected	18946	SD of Detected	3.08
Minimum Non-Detect	0.29	Minimum Non-Detect	-1.238
Maximum Non-Detect	6.2	Maximum Non-Detect	1.825
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	34
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	8
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	80.95%

Warning: There are only 8 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.587	Shapiro Wilk Test Statistic	0.849
5% Shapiro Wilk Critical Value	0.818	5% Shapiro Wilk Critical Value	0.818
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1974	Mean	1.533
SD	8844	SD	2.718
95% DL/2 (t) UCL	4270	95% H-Stat (DL/2) UCL	1372
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-4.818
		SD in Log Scale	6.39
		Mean in Original Scale	1972
		SD in Original Scale	8844
		95% t UCL	4269
		95% Percentile Bootstrap UCL	4651
		95% BCA Bootstrap UCL	5790
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.221	**Data appear Lognormal at 5% Significance Level**	
Theta Star	46902		
nu star	3.532		
A-D Test Statistic	1.071	**Nonparametric Statistics**	
5% A-D Critical Value	0.828	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.828	Mean	1981
5% K-S Critical Value	0.322	SD	8736
Data not Gamma Distributed at 5% Significance Level		SE of Mean	1441
		95% KM (t) UCL	4406
Assuming Gamma Distribution		95% KM (z) UCL	4351
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	4251
Minimum	1E-12	95% KM (bootstrap t) UCL	285630
Maximum	43000	95% KM (BCA) UCL	4940
Mean	9638	95% KM (Percentile Bootstrap) UCL	4762
Median	11253	95% KM (Chebyshev) UCL	8262
SD	8689	97.5% KM (Chebyshev) UCL	10980
k star	0.223	99% KM (Chebyshev) UCL	16319
Theta star	43208		
Nu star	18.74	**Potential UCLs to Use**	
AppChi2	9.926	99% KM (Chebyshev) UCL	16319
95% Gamma Approximate UCL	18194		
95% Adjusted Gamma UCL	18624		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	42	Number of Detected Data	8

PROUCL OUTPUT - BLOCK E SURFACE SOIL

Number of Distinct Detected Data	7	Number of Non-Detect Data	34
Number of Missing Values	178	Percent Non-Detects	80.95%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	47	Minimum Detected	3.85
Maximum Detected	210000	Maximum Detected	12.25
Mean of Detected	49173	Mean of Detected	7.265
SD of Detected	90364	SD of Detected	3.245
Minimum Non-Detect	0.22	Minimum Non-Detect	-1.514
Maximum Non-Detect	6.2	Maximum Non-Detect	1.825
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	34
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	8
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	80.95%

Warning: There are only 8 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.594	Shapiro Wilk Test Statistic	0.839
5% Shapiro Wilk Critical Value	0.818	5% Shapiro Wilk Critical Value	0.818
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	9368	Mean	1.842
SD	42143	SD	3.104
95% DL/2 (t) UCL	20312	95% H-Stat (DL/2) UCL	10143
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-4.126
		SD in Log Scale	6.669
		Mean in Original Scale	9366
		SD in Original Scale	42144
		95% t UCL	20310
		95% Percentile Bootstrap UCL	19407
		95% BCA Bootstrap UCL	24432
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.213	**Data appear Lognormal at 5% Significance Level**	
Theta Star	231258		
nu star	3.402		
A-D Test Statistic	1.048	**Nonparametric Statistics**	
5% A-D Critical Value	0.833	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.833	Mean	9404

5% K-S Critical Value	0.323	SD	41630
Data not Gamma Distributed at 5% Significance Level		SE of Mean	6867
		95% KM (t) UCL	20961
Assuming Gamma Distribution		95% KM (z) UCL	20700
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	20276
Minimum	1E-12	95% KM (bootstrap t) UCL	1334864
Maximum	768733	95% KM (BCA) UCL	23682
Mean	96139	95% KM (Percentile Bootstrap) UCL	20167
Median	36759	95% KM (Chebyshev) UCL	39338
SD	164901	97.5% KM (Chebyshev) UCL	52290
k star	0.0978	99% KM (Chebyshev) UCL	77732
Theta star	983211		
Nu star	8.214	**Potential UCLs to Use**	
AppChi2	2.859	99% KM (Chebyshev) UCL	77732
95% Gamma Approximate UCL	276166		
95% Adjusted Gamma UCL	287386		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	42	Number of Detected Data	7
Number of Distinct Detected Data	6	Number of Non-Detect Data	35
Number of Missing Values	178	Percent Non-Detects	83.33%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	1.3	Minimum Detected	0.262
Maximum Detected	2700	Maximum Detected	7.901
Mean of Detected	615	Mean of Detected	3.975
SD of Detected	1072	SD of Detected	2.737
Minimum Non-Detect	0.5	Minimum Non-Detect	-0.693
Maximum Non-Detect	6.2	Maximum Non-Detect	1.825
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	36
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	6
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	85.71%

Warning: There are only 7 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only	**Lognormal Distribution Test with Detected Values Only**

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Shapiro Wilk Test Statistic	0.662	Shapiro Wilk Test Statistic	0.911
5% Shapiro Wilk Critical Value	0.803	5% Shapiro Wilk Critical Value	0.803
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	104.6	Mean	1.221
SD	470.7	SD	1.82
95% DL/2 (t) UCL	226.8	95% H-Stat (DL/2) UCL	46.72
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-5.221
		SD in Log Scale	5.267
		Mean in Original Scale	102.5
		SD in Original Scale	471.2
		95% t UCL	224.9
		95% Percentile Bootstrap UCL	231.3
		95% BCA Bootstrap UCL	333.7
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.258	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	2387		
nu star	3.607		
A-D Test Statistic	0.686	**Nonparametric Statistics**	
5% A-D Critical Value	0.79	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.79	Mean	103.6
5% K-S Critical Value	0.336	SD	465.3
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	77.55
		95% KM (t) UCL	234.1
Assuming Gamma Distribution		95% KM (z) UCL	231.1
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	218.4
Minimum	1.3	95% KM (bootstrap t) UCL	5543
Maximum	2700	95% KM (BCA) UCL	275.5
Mean	543.6	95% KM (Percentile Bootstrap) UCL	240.8
Median	332.2	95% KM (Chebyshev) UCL	441.6
SD	655.8	97.5% KM (Chebyshev) UCL	587.9
k star	0.737	99% KM (Chebyshev) UCL	875.2
Theta star	738.1		
Nu star	61.87	**Potential UCLs to Use**	
AppChi2	44.78	95% KM (t) UCL	234.1
95% Gamma Approximate UCL	751.1		
95% Adjusted Gamma UCL	759.9		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

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AROCLOR-1254

General Statistics

Number of Valid Data	220	Number of Detected Data	3
Number of Distinct Detected Data	3	Number of Non-Detect Data	217
		Percent Non-Detects	98.64%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	51	Minimum Detected	3.932
Maximum Detected	36000	Maximum Detected	10.49
Mean of Detected	13617	Mean of Detected	7.633
SD of Detected	19529	SD of Detected	3.36
Minimum Non-Detect	17	Minimum Non-Detect	2.833
Maximum Non-Detect	740000	Maximum Non-Detect	13.51
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	220
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

Warning: There are only 3 Distinct Detected Values in this data set

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.

However, results obtained using 4 to 9 distinct values may not be reliable.

It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.847	Shapiro Wilk Test Statistic	0.953
5% Shapiro Wilk Critical Value	0.767	5% Shapiro Wilk Critical Value	0.767
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	3746	Mean	4.031
SD	26318	SD	2.528
95% DL/2 (t) UCL	6677	95% H-Stat (DL/2) UCL	2623
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-17.71
		SD in Log Scale	7.585
		Mean in Original Scale	185.7
		SD in Original Scale	2447
		95% t UCL	458.2
		95% Percentile Bootstrap UCL	512.7
		95% BCA Bootstrap UCL	840
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	

k star (bias corrected)	N/A	**Data appear Normal at 5% Significance Level**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	244.8
5% K-S Critical Value	N/A	SD	2485
Data not Gamma Distributed at 5% Significance Level		SE of Mean	209.2
		95% KM (t) UCL	590.3
Assuming Gamma Distribution		95% KM (z) UCL	588.8
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3303
Minimum	N/A	95% KM (bootstrap t) UCL	1038
Maximum	N/A	95% KM (BCA) UCL	36000
Mean	N/A	95% KM (Percentile Bootstrap) UCL	N/A
Median	N/A	95% KM (Chebyshev) UCL	1157
SD	N/A	97.5% KM (Chebyshev) UCL	1551
k star	N/A	99% KM (Chebyshev) UCL	2326
Theta star	N/A		
Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	95% KM (t) UCL	590.3
95% Gamma Approximate UCL	N/A	95% KM (Percentile Bootstrap) UCL	N/A
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

AROCLOR-1260

General Statistics

Number of Valid Data	220	Number of Detected Data	129
Number of Distinct Detected Data	109	Number of Non-Detect Data	91
		Percent Non-Detects	41.36%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	4.3	Minimum Detected	1.459
Maximum Detected	1800000	Maximum Detected	14.4
Mean of Detected	58917	Mean of Detected	7.031
SD of Detected	225692	SD of Detected	3.373
Minimum Non-Detect	17	Minimum Non-Detect	2.833
Maximum Non-Detect	290	Maximum Non-Detect	5.67
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	144
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	76
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	65.45%

UCL Statistics

Normal Distribution Test with Detected Values Only	**Lognormal Distribution Test with Detected Values Only**

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Lilliefors Test Statistic	0.397	Lilliefors Test Statistic	0.104
5% Lilliefors Critical Value	0.078	5% Lilliefors Critical Value	0.078
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	34555	Mean	5.167
SD	174976	SD	3.435
95% DL/2 (t) UCL	54041	95% H-Stat (DL/2) UCL	199443
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	4.629
		SD in Log Scale	4.072
		Mean in Original Scale	34552
		SD in Original Scale	174977
		95% t UCL	54038
		95% Percentile Bootstrap UCL	54450
		95% BCA Bootstrap UCL	64730
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.189	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	312082		
nu star	48.71		
A-D Test Statistic	6.73	**Nonparametric Statistics**	
5% A-D Critical Value	0.929	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.929	Mean	34551
5% K-S Critical Value	0.0913	SD	174579
Data not Gamma Distributed at 5% Significance Level		SE of Mean	11816
		95% KM (t) UCL	54069
Assuming Gamma Distribution		95% KM (z) UCL	53987
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	54038
Minimum	1E-12	95% KM (bootstrap t) UCL	74918
Maximum	1800000	95% KM (BCA) UCL	53883
Mean	38546	95% KM (Percentile Bootstrap) UCL	55071
Median	71.5	95% KM (Chebyshev) UCL	86056
SD	175143	97.5% KM (Chebyshev) UCL	108342
k star	0.0607	99% KM (Chebyshev) UCL	152119
Theta star	635322		
Nu star	26.7	**Potential UCLs to Use**	
AppChi2	15.92	97.5% KM (Chebyshev) UCL	108342
95% Gamma Approximate UCL	64652		
95% Adjusted Gamma UCL	64876		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

DIESEL RANGE ORGANICS

PROUCL OUTPUT - BLOCK E SURFACE SOIL

General Statistics			
Number of Valid Data	12	Number of Detected Data	6
Number of Distinct Detected Data	6	Number of Non-Detect Data	6
Number of Missing Values	208	Percent Non-Detects	50.00%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	13000	Minimum Detected	9.473
Maximum Detected	8900000	Maximum Detected	16
Mean of Detected	1905500	Mean of Detected	12.94
SD of Detected	3461953	SD of Detected	2.198
Minimum Non-Detect	11000	Minimum Non-Detect	9.306
Maximum Non-Detect	12000	Maximum Non-Detect	9.393
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	6
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	6
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	50.00%

Warning: There are only 6 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.62	Shapiro Wilk Test Statistic	0.988
5% Shapiro Wilk Critical Value	0.788	5% Shapiro Wilk Critical Value	0.788
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	955542	Mean	10.78
SD	2536186	SD	2.695
95% DL/2 (t) UCL	2270370	95% H-Stat (DL/2) UCL	357900000
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	9.668
		SD in Log Scale	3.923
		Mean in Original Scale	953576
		SD in Original Scale	2536991
		95% t UCL	2268821
		95% Percentile Bootstrap UCL	2374839
		95% BCA Bootstrap UCL	3162259
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.325	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	5866751		
nu star	3.898		

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A-D Test Statistic	0.291	**Nonparametric Statistics**	
5% A-D Critical Value	0.747	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.747	Mean	959250
5% K-S Critical Value	0.352	SD	2426765
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	767410
		95% KM (t) UCL	2337431
Assuming Gamma Distribution		95% KM (z) UCL	2221528
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	2224862
Minimum	13000	95% KM (bootstrap t) UCL	11643868
Maximum	8900000	95% KM (BCA) UCL	2650000
Mean	1905500	95% KM (Percentile Bootstrap) UCL	2429000
Median	1822302	95% KM (Chebyshev) UCL	4304315
SD	2334571	97.5% KM (Chebyshev) UCL	5751727
k star	0.641	99% KM (Chebyshev) UCL	8594888
Theta star	2970387		
Nu star	15.4	**Potential UCLs to Use**	
AppChi2	7.538	95% KM (t) UCL	2337431
95% Gamma Approximate UCL	3891991		
95% Adjusted Gamma UCL	4368848		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	13	Number of Detected Data	5
Number of Distinct Detected Data	5	Number of Non-Detect Data	8
Number of Missing Values	207	Percent Non-Detects	61.54%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	64	Minimum Detected	4.159
Maximum Detected	1400	Maximum Detected	7.244
Mean of Detected	580.8	Mean of Detected	5.869
SD of Detected	545.2	SD of Detected	1.238
Minimum Non-Detect	55	Minimum Non-Detect	4.007
Maximum Non-Detect	120	Maximum Non-Detect	4.787
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	9
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	4
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	69.23%

Warning: There are only 5 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

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UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.922	Shapiro Wilk Test Statistic	0.966
5% Shapiro Wilk Critical Value	0.762	5% Shapiro Wilk Critical Value	0.762
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	254.2	Mean	4.638
SD	414	SD	1.266
95% DL/2 (t) UCL	458.8	95% H-Stat (DL/2) UCL	779
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	3.788
		SD in Log Scale	1.997
		Mean in Original Scale	234.6
		SD in Original Scale	424.8
		95% t UCL	444.5
		95% Percentile Bootstrap UCL	436.3
		95% BCA Bootstrap UCL	523.6
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.593	**Data appear Normal at 5% Significance Level**	
Theta Star	980.1		
nu star	5.926		
A-D Test Statistic	0.191	**Nonparametric Statistics**	
5% A-D Critical Value	0.69	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.69	Mean	262.8
5% K-S Critical Value	0.364	SD	393.3
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	121.9
		95% KM (t) UCL	480.1
Assuming Gamma Distribution		95% KM (z) UCL	463.4
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	445.2
Minimum	64	95% KM (bootstrap t) UCL	529.2
Maximum	1400	95% KM (BCA) UCL	917.7
Mean	581	95% KM (Percentile Bootstrap) UCL	617.7
Median	566.3	95% KM (Chebyshev) UCL	794.3
SD	315.3	97.5% KM (Chebyshev) UCL	1024
k star	2.187	99% KM (Chebyshev) UCL	1476
Theta star	265.7		
Nu star	56.85	**Potential UCLs to Use**	
AppChi2	40.52	95% KM (t) UCL	480.1
95% Gamma Approximate UCL	815.2	95% KM (Percentile Bootstrap) UCL	617.7
95% Adjusted Gamma UCL	856.6		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

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	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ARSENIC

General Statistics

Number of Valid Observations	29	Number of Distinct Observations	22
Number of Missing Values	191		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.52	Minimum of Log Data	-0.654
Maximum	9.6	Maximum of Log Data	2.262
Mean	1.838	Mean of log Data	0.409
Median	1.5	SD of log Data	0.58
SD	1.659		
Coefficient of Variation	0.903		
Skewness	3.92		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.572	Shapiro Wilk Test Statistic	0.935
Shapiro Wilk Critical Value	0.926	Shapiro Wilk Critical Value	0.926
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	2.362	95% H-UCL	2.221
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	2.648
95% Adjusted-CLT UCL (Chen-1995)	2.584	97.5% Chebyshev (MVUE) UCL	3.028
95% Modified-t UCL (Johnson-1978)	2.399	99% Chebyshev (MVUE) UCL	3.774
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.405	**Data appear Lognormal at 5% Significance Level**	
Theta Star	0.764		
MLE of Mean	1.838		
MLE of Standard Deviation	1.185		
nu star	139.5		
Approximate Chi Square Value (.05)	113.2	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0407	95% CLT UCL	2.345
Adjusted Chi Square Value	111.8	95% Jackknife UCL	2.362
		95% Standard Bootstrap UCL	2.339
Anderson-Darling Test Statistic	1.211	95% Bootstrap-t UCL	3.014
Anderson-Darling 5% Critical Value	0.754	95% Hall's Bootstrap UCL	4.405
Kolmogorov-Smirnov Test Statistic	0.19	95% Percentile Bootstrap UCL	2.399
Kolmogorov-Smirnov 5% Critical Value	0.164	95% BCA Bootstrap UCL	2.64
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	3.181
		97.5% Chebyshev(Mean, Sd) UCL	3.762

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	4.903
95% Approximate Gamma UCL	2.265		
95% Adjusted Gamma UCL	2.293		
Potential UCL to Use		Use 95% H-UCL	2.221

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.

H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.

It is therefore recommended to avoid the use of H-statistic based 95% UCLs.

Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

COBALT

General Statistics

Number of Valid Observations	21	Number of Distinct Observations	17
Number of Missing Values	77		

Raw Statistics		**Log-transformed Statistics**	
Minimum	2.2	Minimum of Log Data	0.788
Maximum	27.2	Maximum of Log Data	3.303
Mean	5.933	Mean of log Data	1.536
Median	4	SD of log Data	0.615
SD	5.925		
Coefficient of Variation	0.999		
Skewness	2.93		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.546	Shapiro Wilk Test Statistic	0.781
Shapiro Wilk Critical Value	0.908	Shapiro Wilk Critical Value	0.908
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	

Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	8.163	95% H-UCL	7.485
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	8.974
95% Adjusted-CLT UCL (Chen-1995)	8.943	97.5% Chebyshev (MVUE) UCL	10.46
95% Modified-t UCL (Johnson-1978)	8.301	99% Chebyshev (MVUE) UCL	13.36

Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.911	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	3.104		
MLE of Mean	5.933		
MLE of Standard Deviation	4.292		
nu star	80.27		
Approximate Chi Square Value (.05)	60.63	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0383	95% CLT UCL	8.06

Adjusted Chi Square Value	59.32	95% Jackknife UCL	8.163
		95% Standard Bootstrap UCL	8.027
Anderson-Darling Test Statistic	2.694	95% Bootstrap-t UCL	12.25
Anderson-Darling 5% Critical Value	0.753	95% Hall's Bootstrap UCL	15.19
Kolmogorov-Smirnov Test Statistic	0.338	95% Percentile Bootstrap UCL	8.162
Kolmogorov-Smirnov 5% Critical Value	0.192	95% BCA Bootstrap UCL	8.914
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	11.57
		97.5% Chebyshev(Mean, Sd) UCL	14.01
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	18.8
95% Approximate Gamma UCL	7.856		
95% Adjusted Gamma UCL	8.029		
Potential UCL to Use		Use 95% Chebyshev (Mean, Sd) UCL	11.57

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

IRON

General Statistics

Number of Valid Observations	21	Number of Distinct Observations	18
Number of Missing Values	77		

Raw Statistics		**Log-transformed Statistics**	
Minimum	5610	Minimum of Log Data	8.632
Maximum	29900	Maximum of Log Data	10.31
Mean	15185	Mean of log Data	9.569
Median	13800	SD of log Data	0.359
SD	5416		
Coefficient of Variation	0.357		
Skewness	1.015		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.933	Shapiro Wilk Test Statistic	0.965
Shapiro Wilk Critical Value	0.908	Shapiro Wilk Critical Value	0.908
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	17224	95% H-UCL	17740
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	20513
95% Adjusted-CLT UCL (Chen-1995)	17409	97.5% Chebyshev (MVUE) UCL	22806
95% Modified-t UCL (Johnson-1978)	17268	99% Chebyshev (MVUE) UCL	27312
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	7.377	**Data appear Normal at 5% Significance Level**	
Theta Star	2058		
MLE of Mean	15185		
MLE of Standard Deviation	5591		

nu star	309.8		
Approximate Chi Square Value (.05)	270.1	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0383	95% CLT UCL	17130
Adjusted Chi Square Value	267.2	95% Jackknife UCL	17224
		95% Standard Bootstrap UCL	17124
Anderson-Darling Test Statistic	0.325	95% Bootstrap-t UCL	17621
Anderson-Darling 5% Critical Value	0.743	95% Hall's Bootstrap UCL	17867
Kolmogorov-Smirnov Test Statistic	0.135	95% Percentile Bootstrap UCL	17200
Kolmogorov-Smirnov 5% Critical Value	0.19	95% BCA Bootstrap UCL	17415
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	20338
		97.5% Chebyshev(Mean, Sd) UCL	22567
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	26946
95% Approximate Gamma UCL	17422		
95% Adjusted Gamma UCL	17608		
Potential UCL to Use		Use 95% Student's-t UCL	17224

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

MANGANESE

General Statistics

Number of Valid Observations	21	Number of Distinct Observations	21
Number of Missing Values	77		

Raw Statistics		**Log-transformed Statistics**	
Minimum	11.2	Minimum of Log Data	2.416
Maximum	787.5	Maximum of Log Data	6.669
Mean	117.8	Mean of log Data	4.365
Median	74.9	SD of log Data	0.839
SD	161.3		
Coefficient of Variation	1.369		
Skewness	3.919		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.493	Shapiro Wilk Test Statistic	0.94
Shapiro Wilk Critical Value	0.908	Shapiro Wilk Critical Value	0.908
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	178.5	95% H-UCL	174.1
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	205.1
95% Adjusted-CLT UCL (Chen-1995)	207.9	97.5% Chebyshev (MVUE) UCL	246.5
95% Modified-t UCL (Johnson-1978)	183.5	99% Chebyshev (MVUE) UCL	327.8
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.216	**Data appear Lognormal at 5% Significance Level**	

Theta Star	96.9		
MLE of Mean	117.8		
MLE of Standard Deviation	106.8		
nu star	51.07		
Approximate Chi Square Value (.05)	35.66	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0383	95% CLT UCL	175.7
Adjusted Chi Square Value	34.67	95% Jackknife UCL	178.5
		95% Standard Bootstrap UCL	174.8
Anderson-Darling Test Statistic	1.152	95% Bootstrap-t UCL	310.2
Anderson-Darling 5% Critical Value	0.761	95% Hall's Bootstrap UCL	413.5
Kolmogorov-Smirnov Test Statistic	0.195	95% Percentile Bootstrap UCL	183.1
Kolmogorov-Smirnov 5% Critical Value	0.193	95% BCA Bootstrap UCL	225.8
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	271.2
		97.5% Chebyshev(Mean, Sd) UCL	337.6
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	468
95% Approximate Gamma UCL	168.7		
95% Adjusted Gamma UCL	173.6		
Potential UCL to Use		Use 95% H-UCL	174.1

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.

H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.

It is therefore recommended to avoid the use of H-statistic based 95% UCLs.

Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

NICKEL

General Statistics

Number of Valid Observations	29	Number of Distinct Observations	28
Number of Missing Values	191		

Raw Statistics		**Log-transformed Statistics**	
Minimum	3.2	Minimum of Log Data	1.163
Maximum	20	Maximum of Log Data	2.996
Mean	9.488	Mean of log Data	2.139
Median	8.7	SD of log Data	0.487
SD	4.522		
Coefficient of Variation	0.477		
Skewness	0.738		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.936	Shapiro Wilk Test Statistic	0.98
Shapiro Wilk Critical Value	0.926	Shapiro Wilk Critical Value	0.926
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	

Assuming Normal Distribution		Assuming Lognormal Distribution	
95% Student's-t UCL	10.92	95% H-UCL	11.43
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	13.43
95% Adjusted-CLT UCL (Chen-1995)	10.99	97.5% Chebyshev (MVUE) UCL	15.12
95% Modified-t UCL (Johnson-1978)	10.94	99% Chebyshev (MVUE) UCL	18.44
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	4.201	**Data appear Normal at 5% Significance Level**	
Theta Star	2.258		
MLE of Mean	9.488		
MLE of Standard Deviation	4.629		
nu star	243.7		
Approximate Chi Square Value (.05)	208.5	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0407	95% CLT UCL	10.87
Adjusted Chi Square Value	206.6	95% Jackknife UCL	10.92
		95% Standard Bootstrap UCL	10.85
Anderson-Darling Test Statistic	0.185	95% Bootstrap-t UCL	11.05
Anderson-Darling 5% Critical Value	0.748	95% Hall's Bootstrap UCL	11
Kolmogorov-Smirnov Test Statistic	0.0778	95% Percentile Bootstrap UCL	10.96
Kolmogorov-Smirnov 5% Critical Value	0.163	95% BCA Bootstrap UCL	10.89
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	13.15
		97.5% Chebyshev(Mean, Sd) UCL	14.73
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	17.84
95% Approximate Gamma UCL	11.09		
95% Adjusted Gamma UCL	11.19		
Potential UCL to Use		Use 95% Student's-t UCL	10.92

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

VANADIUM

General Statistics

Number of Valid Observations	21	Number of Distinct Observations	21
Number of Missing Values	77		

Raw Statistics		Log-transformed Statistics	
Minimum	8.5	Minimum of Log Data	2.14
Maximum	60.7	Maximum of Log Data	4.106
Mean	19.27	Mean of log Data	2.845
Median	15.9	SD of log Data	0.444
SD	11.78		
Coefficient of Variation	0.611		
Skewness	2.712		

Relevant UCL Statistics

Normal Distribution Test		Lognormal Distribution Test	
Shapiro Wilk Test Statistic	0.663	Shapiro Wilk Test Statistic	0.89

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Shapiro Wilk Critical Value	0.908	Shapiro Wilk Critical Value	0.908
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	23.7	95% H-UCL	23.03
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	27.12
95% Adjusted-CLT UCL (Chen-1995)	25.12	97.5% Chebyshev (MVUE) UCL	30.68
95% Modified-t UCL (Johnson-1978)	23.96	99% Chebyshev (MVUE) UCL	37.67
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	3.957	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	4.87		
MLE of Mean	19.27		
MLE of Standard Deviation	9.688		
nu star	166.2		
Approximate Chi Square Value (.05)	137.4	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0383	95% CLT UCL	23.5
Adjusted Chi Square Value	135.4	95% Jackknife UCL	23.7
		95% Standard Bootstrap UCL	23.37
Anderson-Darling Test Statistic	1.253	95% Bootstrap-t UCL	29.62
Anderson-Darling 5% Critical Value	0.746	95% Hall's Bootstrap UCL	46.76
Kolmogorov-Smirnov Test Statistic	0.227	95% Percentile Bootstrap UCL	23.89
Kolmogorov-Smirnov 5% Critical Value	0.19	95% BCA Bootstrap UCL	25.3
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	30.47
		97.5% Chebyshev(Mean, Sd) UCL	35.32
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	44.84
95% Approximate Gamma UCL	23.31		
95% Adjusted Gamma UCL	23.66		
Potential UCL to Use		Use 95% Student's-t UCL	23.7
		or 95% Modified-t UCL	23.96

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

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	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CHROMIUM

General Statistics

Number of Valid Observations	32	Number of Distinct Observations	26
Number of Missing Values	1		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.405	Minimum of Log Data	-0.904
Maximum	9.25	Maximum of Log Data	2.225
Mean	1.348	Mean of log Data	-0.0257
Median	0.805	SD of log Data	0.679
SD	1.72		
Coefficient of Variation	1.275		
Skewness	3.795		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.492	Shapiro Wilk Test Statistic	0.849
Shapiro Wilk Critical Value	0.93	Shapiro Wilk Critical Value	0.93
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	1.864	95% H-UCL	1.583
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.904
95% Adjusted-CLT UCL (Chen-1995)	2.066	97.5% Chebyshev (MVUE) UCL	2.201
95% Modified-t UCL (Johnson-1978)	1.898	99% Chebyshev (MVUE) UCL	2.785
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.55	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	0.87		
MLE of Mean	1.348		
MLE of Standard Deviation	1.083		
nu star	99.22		
Approximate Chi Square Value (.05)	77.24	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0416	95% CLT UCL	1.849
Adjusted Chi Square Value	76.2	95% Jackknife UCL	1.864
		95% Standard Bootstrap UCL	1.835
Anderson-Darling Test Statistic	2.96	95% Bootstrap-t UCL	2.834
Anderson-Darling 5% Critical Value	0.762	95% Hall's Bootstrap UCL	3.963
Kolmogorov-Smirnov Test Statistic	0.242	95% Percentile Bootstrap UCL	1.907
Kolmogorov-Smirnov 5% Critical Value	0.158	95% BCA Bootstrap UCL	2.124
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	2.674
		97.5% Chebyshev(Mean, Sd) UCL	3.247

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Assuming Gamma Distribution						99% Chebyshev(Mean, Sd) UCL	4.374
95% Approximate Gamma UCL	1.732						
95% Adjusted Gamma UCL	1.756						
Potential UCL to Use						Use 95% Chebyshev (Mean, Sd) UCL	2.674
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.							
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)							
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.							

PROUCL OUTPUT - BLOCK F SURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BENZO(A)PYRENE EQUIVALENTS

General Statistics

Number of Valid Data	107	Number of Detected Data	85
Number of Distinct Detected Data	84	Number of Non-Detect Data	22
Number of Missing Values	30	Percent Non-Detects	20.56%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	1.737	Minimum Detected	0.552
Maximum Detected	50001	Maximum Detected	10.82
Mean of Detected	2499	Mean of Detected	5.591
SD of Detected	7587	SD of Detected	2.198
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	430	Maximum Non-Detect	6.064
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	76
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	31
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	71.03%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.371	Lilliefors Test Statistic	0.0555
5% Lilliefors Critical Value	0.0961	5% Lilliefors Critical Value	0.0961
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1991	Mean	4.59
SD	6828	SD	2.928
95% DL/2 (t) UCL	3086	95% H-Stat (DL/2) UCL	25709
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	4.678
		SD in Log Scale	2.721
		Mean in Original Scale	1987
		SD in Original Scale	6829
		95% t UCL	3082
		95% Percentile Bootstrap UCL	3224
		95% BCA Bootstrap UCL	3580
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.305	**Data appear Lognormal at 5% Significance Level**	
Theta Star	8203		

PROUCL OUTPUT - BLOCK F SURFACE SOIL

nu star	51.78		
A-D Test Statistic	4.732	**Nonparametric Statistics**	
5% A-D Critical Value	0.865	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.865	Mean	1988
5% K-S Critical Value	0.105	SD	6797
Data not Gamma Distributed at 5% Significance Level		SE of Mean	661
		95% KM (t) UCL	3085
Assuming Gamma Distribution		95% KM (z) UCL	3075
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3083
Minimum	1E-12	95% KM (bootstrap t) UCL	4108
Maximum	50001	95% KM (BCA) UCL	3323
Mean	1985	95% KM (Percentile Bootstrap) UCL	3125
Median	130	95% KM (Chebyshev) UCL	4869
SD	6829	97.5% KM (Chebyshev) UCL	6116
k star	0.0964	99% KM (Chebyshev) UCL	8565
Theta star	20586		
Nu star	20.64	**Potential UCLs to Use**	
AppChi2	11.32	97.5% KM (Chebyshev) UCL	6116
95% Gamma Approximate UCL	3618		
95% Adjusted Gamma UCL	3649		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK F SURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ANTIMONY

General Statistics

Number of Valid Data	25	Number of Detected Data	19
Number of Distinct Detected Data	9	Number of Non-Detect Data	6
Number of Missing Values	106	Percent Non-Detects	24.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.4	Minimum Detected	-0.916
Maximum Detected	4	Maximum Detected	1.386
Mean of Detected	1.111	Mean of Detected	-0.0555
SD of Detected	0.816	SD of Detected	0.534
Minimum Non-Detect	0.3	Minimum Non-Detect	-1.204
Maximum Non-Detect	3	Maximum Non-Detect	1.099
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	24
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	96.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.647	Shapiro Wilk Test Statistic	0.886
5% Shapiro Wilk Critical Value	0.901	5% Shapiro Wilk Critical Value	0.901
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1.12	Mean	-0.0586
SD	0.743	SD	0.618
95% DL/2 (t) UCL	1.374	95% H-Stat (DL/2) UCL	1.482
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-0.124
		SD in Log Scale	0.522
		Mean in Original Scale	1.026
		SD in Original Scale	0.731
		95% t UCL	1.276
		95% Percentile Bootstrap UCL	1.283
		95% BCA Bootstrap UCL	1.389
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.794	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	0.398		

nu star	106.2		
A-D Test Statistic	1.386	**Nonparametric Statistics**	
5% A-D Critical Value	0.747	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.747	Mean	1.044
5% K-S Critical Value	0.2	SD	0.734
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.157
		95% KM (t) UCL	1.313
Assuming Gamma Distribution		95% KM (z) UCL	1.303
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1.309
Minimum	1E-12	95% KM (bootstrap t) UCL	1.492
Maximum	4	95% KM (BCA) UCL	1.355
Mean	1.085	95% KM (Percentile Bootstrap) UCL	1.317
Median	1	95% KM (Chebyshev) UCL	1.729
SD	0.743	97.5% KM (Chebyshev) UCL	2.025
k star	0.492	99% KM (Chebyshev) UCL	2.607
Theta star	2.206		
Nu star	24.59	**Potential UCLs to Use**	
AppChi2	14.3	95% KM (BCA) UCL	1.355
95% Gamma Approximate UCL	1.865		
95% Adjusted Gamma UCL	1.938		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

ARSENIC

General Statistics

Number of Valid Data	32	Number of Detected Data	22
Number of Distinct Detected Data	15	Number of Non-Detect Data	10
Number of Missing Values	105	Percent Non-Detects	31.25%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.6	Minimum Detected	-0.511
Maximum Detected	6	Maximum Detected	1.792
Mean of Detected	3.105	Mean of Detected	1.011
SD of Detected	1.435	SD of Detected	0.543
Minimum Non-Detect	1	Minimum Non-Detect	0
Maximum Non-Detect	3	Maximum Non-Detect	1.099
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	20
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	12
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	62.50%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.956	Shapiro Wilk Test Statistic	0.933
5% Shapiro Wilk Critical Value	0.911	5% Shapiro Wilk Critical Value	0.911

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Data appear Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	2.556	Mean	0.775
SD	1.453	SD	0.603
95% DL/2 (t) UCL	2.992	95% H-Stat (DL/2) UCL	3.238
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	2.431	Mean in Log Scale	0.814
SD	1.706	SD in Log Scale	0.57
95% MLE (t) UCL	2.943	Mean in Original Scale	2.618
95% MLE (Tiku) UCL	3.188	SD in Original Scale	1.42
		95% t UCL	3.043
		95% Percentile Bootstrap UCL	3.032
		95% BCA Bootstrap UCL	3.054
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	3.714	**Data appear Normal at 5% Significance Level**	
Theta Star	0.836		
nu star	163.4		
A-D Test Statistic	0.303	**Nonparametric Statistics**	
5% A-D Critical Value	0.747	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.747	Mean	2.616
5% K-S Critical Value	0.186	SD	1.428
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.272
		95% KM (t) UCL	3.076
Assuming Gamma Distribution		95% KM (z) UCL	3.063
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3.066
Minimum	0.6	95% KM (bootstrap t) UCL	3.086
Maximum	6	95% KM (BCA) UCL	3.115
Mean	2.998	95% KM (Percentile Bootstrap) UCL	3.081
Median	2.99	95% KM (Chebyshev) UCL	3.8
SD	1.295	97.5% KM (Chebyshev) UCL	4.313
k star	4.534	99% KM (Chebyshev) UCL	5.32
Theta star	0.661		
Nu star	290.2	**Potential UCLs to Use**	
AppChi2	251.7	95% KM (t) UCL	3.076
95% Gamma Approximate UCL	3.456	95% KM (Percentile Bootstrap) UCL	3.081
95% Adjusted Gamma UCL	3.483		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

CADMIUM

General Statistics

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Number of Valid Data	32	Number of Detected Data	14
Number of Distinct Detected Data	10	Number of Non-Detect Data	18
Number of Missing Values	105	Percent Non-Detects	56.25%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.3	Minimum Detected	-1.204
Maximum Detected	4.5	Maximum Detected	1.504
Mean of Detected	1.386	Mean of Detected	-0.105
SD of Detected	1.373	SD of Detected	0.948
Minimum Non-Detect	0.09	Minimum Non-Detect	-2.408
Maximum Non-Detect	4	Maximum Non-Detect	1.386
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	31
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	96.88%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.784	Shapiro Wilk Test Statistic	0.892
5% Shapiro Wilk Critical Value	0.874	5% Shapiro Wilk Critical Value	0.874
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1.078	Mean	-0.566
SD	1.069	SD	1.337
95% DL/2 (t) UCL	1.398	95% H-Stat (DL/2) UCL	2.76
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-0.972
		SD in Log Scale	1.112
		Mean in Original Scale	0.74
		SD in Original Scale	1.067
		95% t UCL	1.06
		95% Percentile Bootstrap UCL	1.068
		95% BCA Bootstrap UCL	1.174
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.07	**Data appear Lognormal at 5% Significance Level**	
Theta Star	1.295		
nu star	29.96		
A-D Test Statistic	0.833	**Nonparametric Statistics**	
5% A-D Critical Value	0.754	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.754	Mean	0.864
5% K-S Critical Value	0.234	SD	1.037
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.201
		95% KM (t) UCL	1.205
Assuming Gamma Distribution		95% KM (z) UCL	1.195
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1.2
Minimum	1E-12	95% KM (bootstrap t) UCL	1.361

Maximum	4.5	95% KM (BCA) UCL	1.173
Mean	1.399	95% KM (Percentile Bootstrap) UCL	1.211
Median	0.83	95% KM (Chebyshev) UCL	1.741
SD	1.196	97.5% KM (Chebyshev) UCL	2.12
k star	0.469	99% KM (Chebyshev) UCL	2.865
Theta star	2.984		
Nu star	30	**Potential UCLs to Use**	
AppChi2	18.49	95% KM (t) UCL	1.205
95% Gamma Approximate UCL	2.269	95% KM (% Bootstrap) UCL	1.211
95% Adjusted Gamma UCL	2.33		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

LEAD

General Statistics

Number of Valid Data	32	Number of Detected Data	25
Number of Distinct Detected Data	25	Number of Non-Detect Data	7
Number of Missing Values	105	Percent Non-Detects	21.88%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	3.2	Minimum Detected	1.163
Maximum Detected	447	Maximum Detected	6.103
Mean of Detected	74.61	Mean of Detected	3.511
SD of Detected	113.8	SD of Detected	1.331
Minimum Non-Detect	3	Minimum Non-Detect	1.099
Maximum Non-Detect	8	Maximum Non-Detect	2.079
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	12
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	20
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	37.50%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.583	Shapiro Wilk Test Statistic	0.957
5% Shapiro Wilk Critical Value	0.918	5% Shapiro Wilk Critical Value	0.918
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	58.93	Mean	2.969
SD	104.6	SD	1.573
95% DL/2 (t) UCL	90.28	95% H-Stat (DL/2) UCL	165.5
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	19.61	Mean in Log Scale	2.967
SD	141.8	SD in Log Scale	1.593

95% MLE (t) UCL	62.12	Mean in Original Scale	58.99
95% MLE (Tiku) UCL	66.37	SD in Original Scale	104.5
		95% t UCL	90.33
		95% Percentile Bootstrap UCL	90.65
		95% BCA Bootstrap UCL	102.5
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.684	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	109		
nu star	34.22		
A-D Test Statistic	0.737	**Nonparametric Statistics**	
5% A-D Critical Value	0.784	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.784	Mean	59.17
5% K-S Critical Value	0.181	SD	102.8
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	18.55
		95% KM (t) UCL	90.61
Assuming Gamma Distribution		95% KM (z) UCL	89.67
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	90.36
Minimum	1E-12	95% KM (bootstrap t) UCL	142.9
Maximum	447	95% KM (BCA) UCL	89.73
Mean	58.74	95% KM (Percentile Bootstrap) UCL	91.42
Median	25	95% KM (Chebyshev) UCL	140
SD	104.7	97.5% KM (Chebyshev) UCL	175
k star	0.132	99% KM (Chebyshev) UCL	243.7
Theta star	444.1		
Nu star	8.465	**Potential UCLs to Use**	
AppChi2	3.007	95% KM (Chebyshev) UCL	140
95% Gamma Approximate UCL	165.3		
95% Adjusted Gamma UCL	175.4		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	47	Number of Detected Data	39
Number of Distinct Detected Data	32	Number of Non-Detect Data	8
Number of Missing Values	90	Percent Non-Detects	17.02%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.01	Minimum Detected	-4.605
Maximum Detected	2.7	Maximum Detected	0.993
Mean of Detected	0.542	Mean of Detected	-1.47
SD of Detected	0.673	SD of Detected	1.476
Minimum Non-Detect	0.02	Minimum Non-Detect	-3.912
Maximum Non-Detect	0.16	Maximum Non-Detect	-1.833

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Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	23
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	24
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	48.94%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.761	Shapiro Wilk Test Statistic	0.961
5% Shapiro Wilk Critical Value	0.939	5% Shapiro Wilk Critical Value	0.939
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.459	Mean	-1.74
SD	0.64	SD	1.492
95% DL/2 (t) UCL	0.616	95% H-Stat (DL/2) UCL	1.013
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	0.116	Mean in Log Scale	-1.779
SD	0.989	SD in Log Scale	1.537
95% MLE (t) UCL	0.358	Mean in Original Scale	0.458
95% MLE (Tiku) UCL	0.411	SD in Original Scale	0.64
		95% t UCL	0.615
		95% Percentile Bootstrap UCL	0.622
		95% BCA Bootstrap UCL	0.645
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.667	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.814		
nu star	51.99		
A-D Test Statistic	0.505	**Nonparametric Statistics**	
5% A-D Critical Value	0.793	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.793	Mean	0.457
5% K-S Critical Value	0.147	SD	0.634
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0937
		95% KM (t) UCL	0.615
Assuming Gamma Distribution		95% KM (z) UCL	0.611
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.614
Minimum	1E-12	95% KM (bootstrap t) UCL	0.657
Maximum	2.7	95% KM (BCA) UCL	0.618
Mean	0.463	95% KM (Percentile Bootstrap) UCL	0.604
Median	0.21	95% KM (Chebyshev) UCL	0.866
SD	0.638	97.5% KM (Chebyshev) UCL	1.042
k star	0.277	99% KM (Chebyshev) UCL	1.39
Theta star	1.67		
Nu star	26.06	**Potential UCLs to Use**	
AppChi2	15.42	95% KM (Chebyshev) UCL	0.866
95% Gamma Approximate UCL	0.782		
95% Adjusted Gamma UCL	0.795		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.						
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).						
For additional insight, the user may want to consult a statistician.						

MOLYBDENUM

General Statistics

Number of Valid Data	20	Number of Detected Data	1
Number of Distinct Detected Data	1	Number of Non-Detect Data	19
Number of Missing Values	80	Percent Non-Detects	95.00%

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable MOLYBDENUM was not processed!

NICKEL

General Statistics

Number of Valid Data	32	Number of Detected Data	25
Number of Distinct Detected Data	18	Number of Non-Detect Data	7
Number of Missing Values	105	Percent Non-Detects	21.88%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	4.5	Minimum Detected	1.504
Maximum Detected	27	Maximum Detected	3.296
Mean of Detected	12.13	Mean of Detected	2.385
SD of Detected	5.807	SD of Detected	0.489
Minimum Non-Detect	5	Minimum Non-Detect	1.609
Maximum Non-Detect	9	Maximum Non-Detect	2.197
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	15
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	17
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	46.88%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.928	Shapiro Wilk Test Statistic	0.965
5% Shapiro Wilk Critical Value	0.918	5% Shapiro Wilk Critical Value	0.918
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	10.23	Mean	2.129
SD	6.291	SD	0.661
95% DL/2 (t) UCL	12.11	95% H-Stat (DL/2) UCL	13.36

Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	9.367	Mean in Log Scale	2.22
SD	7.454	SD in Log Scale	0.54
95% MLE (t) UCL	11.6	Mean in Original Scale	10.61
95% MLE (Tiku) UCL	12.03	SD in Original Scale	5.899
		95% t UCL	12.38
		95% Percentile Bootstrap UCL	12.32
		95% BCA Bootstrap UCL	12.52
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	4.14	**Data appear Normal at 5% Significance Level**	
Theta Star	2.931		
nu star	207		
A-D Test Statistic	0.274	**Nonparametric Statistics**	
5% A-D Critical Value	0.748	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.748	Mean	10.57
5% K-S Critical Value	0.175	SD	5.843
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	1.057
		95% KM (t) UCL	12.36
Assuming Gamma Distribution		95% KM (z) UCL	12.31
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	12.36
Minimum	3.848	95% KM (bootstrap t) UCL	12.72
Maximum	27	95% KM (BCA) UCL	12.58
Mean	11.07	95% KM (Percentile Bootstrap) UCL	12.38
Median	9.819	95% KM (Chebyshev) UCL	15.18
SD	5.614	97.5% KM (Chebyshev) UCL	17.17
k star	3.952	99% KM (Chebyshev) UCL	21.08
Theta star	2.801		
Nu star	252.9	**Potential UCLs to Use**	
AppChi2	217.1	95% KM (t) UCL	12.36
95% Gamma Approximate UCL	12.89	95% KM (Percentile Bootstrap) UCL	12.38
95% Adjusted Gamma UCL	13		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	13	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	13
Number of Missing Values	124	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,3-TRICHLOROBENZENE was not processed!

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	13	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	13
Number of Missing Values	124	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,4-TRICHLOROBENZENE was not processed!

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	13	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	13
Number of Missing Values	124	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,4-DICHLOROBENZENE was not processed!

AROCLOR-1254

General Statistics

Number of Valid Data	59	Number of Detected Data	1
Number of Distinct Detected Data	1	Number of Non-Detect Data	58
Number of Missing Values	78	Percent Non-Detects	98.31%

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1254 was not processed!

AROCLOR-1260

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General Statistics			
Number of Valid Data	59	Number of Detected Data	12
Number of Distinct Detected Data	12	Number of Non-Detect Data	47
Number of Missing Values	78	Percent Non-Detects	79.66%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	22	Minimum Detected	3.091
Maximum Detected	1400	Maximum Detected	7.244
Mean of Detected	305.4	Mean of Detected	4.844
SD of Detected	439.6	SD of Detected	1.357
Minimum Non-Detect	18	Minimum Non-Detect	2.89
Maximum Non-Detect	410	Maximum Non-Detect	6.016
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	56
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	3
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	94.92%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.677	Shapiro Wilk Test Statistic	0.913
5% Shapiro Wilk Critical Value	0.859	5% Shapiro Wilk Critical Value	0.859
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	95.86	Mean	3.534
SD	224.5	SD	1.218
95% DL/2 (t) UCL	144.7	95% H-Stat (DL/2) UCL	111.6
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	1.761
		SD in Log Scale	1.989
		Mean in Original Scale	66
		SD in Original Scale	227.1
		95% t UCL	115.4
		95% Percentile Bootstrap UCL	120.4
		95% BCA Bootstrap UCL	142.6
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.573	**Data appear Lognormal at 5% Significance Level**	
Theta Star	532.8		
nu star	13.76		
A-D Test Statistic	0.911	**Nonparametric Statistics**	
5% A-D Critical Value	0.77	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.77	Mean	82.13
5% K-S Critical Value	0.256	SD	221.1
Data not Gamma Distributed at 5% Significance Level		SE of Mean	30.13
		95% KM (t) UCL	132.5
Assuming Gamma Distribution		95% KM (z) UCL	131.7

Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	127
Minimum	1E-12	95% KM (bootstrap t) UCL	170
Maximum	1400	95% KM (BCA) UCL	156.3
Mean	327.5	95% KM (Percentile Bootstrap) UCL	139.4
Median	221.2	95% KM (Chebyshev) UCL	213.4
SD	312.1	97.5% KM (Chebyshev) UCL	270.3
k star	0.199	99% KM (Chebyshev) UCL	381.9
Theta star	1646		
Nu star	23.49	**Potential UCLs to Use**	
AppChi2	13.46	95% KM (BCA) UCL	156.3
95% Gamma Approximate UCL	571.6		
95% Adjusted Gamma UCL	579.8		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

DIESEL RANGE ORGANICS

General Statistics

Number of Valid Data	13	Number of Detected Data	5
Number of Distinct Detected Data	5	Number of Non-Detect Data	8
Number of Missing Values	124	Percent Non-Detects	61.54%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	13000	Minimum Detected	9.473
Maximum Detected	271000	Maximum Detected	12.51
Mean of Detected	111340	Mean of Detected	11.19
SD of Detected	102126	SD of Detected	1.151
Minimum Non-Detect	10000	Minimum Non-Detect	9.21
Maximum Non-Detect	17000	Maximum Non-Detect	9.741
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	9
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	4
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	69.23%

Warning: There are only 5 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.904	Shapiro Wilk Test Statistic	0.962
5% Shapiro Wilk Critical Value	0.762	5% Shapiro Wilk Critical Value	0.762
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	

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Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	46592	Mean	9.662
SD	79471	SD	1.426
95% DL/2 (t) UCL	85876	95% H-Stat (DL/2) UCL	193957
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	150522	Mean in Log Scale	8.935
SD	86067	SD in Log Scale	2.051
95% MLE (t) UCL	193066	Mean in Original Scale	44240
95% MLE (Tiku) UCL	225228	SD in Original Scale	80786
		95% t UCL	84174
		95% Percentile Bootstrap UCL	82406
		95% BCA Bootstrap UCL	97660
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.653	**Data appear Normal at 5% Significance Level**	
Theta Star	170578		
nu star	6.527		
A-D Test Statistic	0.206	**Nonparametric Statistics**	
5% A-D Critical Value	0.688	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.688	Mean	50823
5% K-S Critical Value	0.363	SD	74149
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	22993
		95% KM (t) UCL	91802
Assuming Gamma Distribution		95% KM (z) UCL	88643
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	89160
Minimum	13000	95% KM (bootstrap t) UCL	126327
Maximum	271000	95% KM (BCA) UCL	159308
Mean	108350	95% KM (Percentile Bootstrap) UCL	120462
Median	108280	95% KM (Chebyshev) UCL	151045
SD	59903	97.5% KM (Chebyshev) UCL	194412
k star	2.423	99% KM (Chebyshev) UCL	279596
Theta star	44719		
Nu star	63	**Potential UCLs to Use**	
AppChi2	45.74	95% KM (t) UCL	91802
95% Gamma Approximate UCL	149233	95% KM (Percentile Bootstrap) UCL	120462
95% Adjusted Gamma UCL	156377		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	13	Number of Detected Data	1
Number of Distinct Detected Data	1	Number of Non-Detect Data	12

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Number of Missing Values	124	Percent Non-Detects	92.31%
Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!			
It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable GASOLINE RANGE ORGANICS was not processed!			

PROUCL OUTPUT - BLOCK F SURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

COBALT

General Statistics

Number of Valid Observations	20	Number of Distinct Observations	19
Number of Missing Values	80		

Raw Statistics		**Log-transformed Statistics**	
Minimum	2.8	Minimum of Log Data	1.03
Maximum	11.7	Maximum of Log Data	2.46
Mean	6.14	Mean of log Data	1.76
Median	5.85	SD of log Data	0.345
SD	2.1		
Coefficient of Variation	0.342		
Skewness	0.842		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.947	Shapiro Wilk Test Statistic	0.977
Shapiro Wilk Critical Value	0.905	Shapiro Wilk Critical Value	0.905
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	6.952	95% H-UCL	7.156
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	8.248
95% Adjusted-CLT UCL (Chen-1995)	7.007	97.5% Chebyshev (MVUE) UCL	9.158
95% Modified-t UCL (Johnson-1978)	6.967	99% Chebyshev (MVUE) UCL	10.94
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	7.882	**Data appear Normal at 5% Significance Level**	
Theta Star	0.779		
MLE of Mean	6.14		
MLE of Standard Deviation	2.187		
nu star	315.3		
Approximate Chi Square Value (.05)	275.1	**Nonparametric Statistics**	
Adjusted Level of Significance	0.038	95% CLT UCL	6.912
Adjusted Chi Square Value	272.2	95% Jackknife UCL	6.952
		95% Standard Bootstrap UCL	6.882
Anderson-Darling Test Statistic	0.258	95% Bootstrap-t UCL	7.042
Anderson-Darling 5% Critical Value	0.742	95% Hall's Bootstrap UCL	7.149
Kolmogorov-Smirnov Test Statistic	0.0932	95% Percentile Bootstrap UCL	6.89
Kolmogorov-Smirnov 5% Critical Value	0.194	95% BCA Bootstrap UCL	6.975
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	8.187
		97.5% Chebyshev(Mean, Sd) UCL	9.072

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	10.81
95% Approximate Gamma UCL	7.036		
95% Adjusted Gamma UCL	7.112		
Potential UCL to Use		Use 95% Student's-t UCL	6.952

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

VANADIUM

General Statistics

Number of Valid Observations	20	Number of Distinct Observations	19
Number of Missing Values	80		

Raw Statistics		**Log-transformed Statistics**	
Minimum	20.3	Minimum of Log Data	3.011
Maximum	49	Maximum of Log Data	3.892
Mean	31.8	Mean of log Data	3.428
Median	30.45	SD of log Data	0.257
SD	8.293		
Coefficient of Variation	0.261		
Skewness	0.58		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.948	Shapiro Wilk Test Statistic	0.97
Shapiro Wilk Critical Value	0.905	Shapiro Wilk Critical Value	0.905
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	35.01	95% H-UCL	35.47
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	39.85
95% Adjusted-CLT UCL (Chen-1995)	35.11	97.5% Chebyshev (MVUE) UCL	43.34
95% Modified-t UCL (Johnson-1978)	35.05	99% Chebyshev (MVUE) UCL	50.19
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	13.62	**Data appear Normal at 5% Significance Level**	
Theta Star	2.334		
MLE of Mean	31.8		
MLE of Standard Deviation	8.616		
nu star	544.9		
Approximate Chi Square Value (.05)	491.8	**Nonparametric Statistics**	
Adjusted Level of Significance	0.038	95% CLT UCL	34.85
Adjusted Chi Square Value	487.8	95% Jackknife UCL	35.01
		95% Standard Bootstrap UCL	34.75
Anderson-Darling Test Statistic	0.23	95% Bootstrap-t UCL	35.54
Anderson-Darling 5% Critical Value	0.741	95% Hall's Bootstrap UCL	35.18
Kolmogorov-Smirnov Test Statistic	0.107	95% Percentile Bootstrap UCL	34.74

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Kolmogorov-Smirnov 5% Critical Value	0.194	95% BCA Bootstrap UCL	35.1
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	39.88
		97.5% Chebyshev(Mean, Sd) UCL	43.38
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	50.25
95% Approximate Gamma UCL	35.24		
95% Adjusted Gamma UCL	35.52		
Potential UCL to Use		Use 95% Student's-t UCL	35.01

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK G SURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CHROMIUM

General Statistics

Number of Valid Observations	14	Number of Distinct Observations	13
Number of Missing Values	1		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.56	Minimum of Log Data	-0.58
Maximum	2.4	Maximum of Log Data	0.875
Mean	1.061	Mean of log Data	-0.0329
Median	0.97	SD of log Data	0.43
SD	0.515		
Coefficient of Variation	0.485		
Skewness	1.531		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.851	Shapiro Wilk Test Statistic	0.946
Shapiro Wilk Critical Value	0.874	Shapiro Wilk Critical Value	0.874
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	1.304	95% H-UCL	1.347
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.593
95% Adjusted-CLT UCL (Chen-1995)	1.347	97.5% Chebyshev (MVUE) UCL	1.826
95% Modified-t UCL (Johnson-1978)	1.314	99% Chebyshev (MVUE) UCL	2.284
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	4.451	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	0.238		
MLE of Mean	1.061		
MLE of Standard Deviation	0.503		
nu star	124.6		
Approximate Chi Square Value (.05)	99.86	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0312	95% CLT UCL	1.287
Adjusted Chi Square Value	96.92	95% Jackknife UCL	1.304
		95% Standard Bootstrap UCL	1.28
Anderson-Darling Test Statistic	0.407	95% Bootstrap-t UCL	1.431
Anderson-Darling 5% Critical Value	0.738	95% Hall's Bootstrap UCL	1.489
Kolmogorov-Smirnov Test Statistic	0.168	95% Percentile Bootstrap UCL	1.292
Kolmogorov-Smirnov 5% Critical Value	0.229	95% BCA Bootstrap UCL	1.333
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	1.66
		97.5% Chebyshev(Mean, Sd) UCL	1.92

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Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL					2.43
95% Approximate Gamma UCL	1.324						
95% Adjusted Gamma UCL	1.364						
Potential UCL to Use		Use 95% Approximate Gamma UCL					1.324

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK G SURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BENZO(A)PYRENE EQUIVALENTS

General Statistics

Number of Valid Data	236	Number of Detected Data	195
Number of Distinct Detected Data	191	Number of Non-Detect Data	41
Number of Missing Values	16	Percent Non-Detects	17.37%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	1.625	Minimum Detected	0.485
Maximum Detected	38666	Maximum Detected	10.56
Mean of Detected	1769	Mean of Detected	5.046
SD of Detected	6085	SD of Detected	2.082
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	2100	Maximum Non-Detect	7.65
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	214
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	22
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	90.68%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Lilliefors Test Statistic	0.386	Lilliefors Test Statistic	0.0696
5% Lilliefors Critical Value	0.0634	5% Lilliefors Critical Value	0.0634
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1468	Mean	4.286
SD	5568	SD	2.625
95% DL/2 (t) UCL	2067	95% H-Stat (DL/2) UCL	4458
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	4.315
		SD in Log Scale	2.529
		Mean in Original Scale	1463
		SD in Original Scale	5569
		95% t UCL	2061
		95% Percentile Bootstrap UCL	2095
		95% BCA Bootstrap UCL	2281
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.285	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	6212		

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nu star	111.1		
A-D Test Statistic	17.02	**Nonparametric Statistics**	
5% A-D Critical Value	0.875	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.875	Mean	1464
5% K-S Critical Value	0.0707	SD	5557
Data not Gamma Distributed at 5% Significance Level		SE of Mean	362.6
		95% KM (t) UCL	2063
Assuming Gamma Distribution		95% KM (z) UCL	2060
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	2062
Minimum	1E-12	95% KM (bootstrap t) UCL	2304
Maximum	38666	95% KM (BCA) UCL	2043
Mean	1463	95% KM (Percentile Bootstrap) UCL	2091
Median	71.49	95% KM (Chebyshev) UCL	3045
SD	5569	97.5% KM (Chebyshev) UCL	3729
k star	0.105	99% KM (Chebyshev) UCL	5072
Theta star	13880		
Nu star	49.76	**Potential UCLs to Use**	
AppChi2	34.56	97.5% KM (Chebyshev) UCL	3729
95% Gamma Approximate UCL	2106		
95% Adjusted Gamma UCL	2111		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	BLOCK G.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ANTIMONY

General Statistics

Number of Valid Data	14	Number of Detected Data	7
Number of Distinct Detected Data	6	Number of Non-Detect Data	7
Number of Missing Values	237	Percent Non-Detects	50.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.6	Minimum Detected	-0.511
Maximum Detected	3.9	Maximum Detected	1.361
Mean of Detected	1.443	Mean of Detected	0.154
SD of Detected	1.176	SD of Detected	0.654
Minimum Non-Detect	2.5	Minimum Non-Detect	0.916
Maximum Non-Detect	3.2	Maximum Non-Detect	1.163
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	13
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	92.86%

Warning: There are only 7 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.732	Shapiro Wilk Test Statistic	0.877
5% Shapiro Wilk Critical Value	0.803	5% Shapiro Wilk Critical Value	0.803
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1.396	Mean	0.226
SD	0.805	SD	0.454
95% DL/2 (t) UCL	1.777	95% H-Stat (DL/2) UCL	1.788
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	0.0714
		SD in Log Scale	0.475
		Mean in Original Scale	1.225
		SD in Original Scale	0.843

		95% t UCL	1.624
		95% Percentile Bootstrap UCL	1.615
		95% BCA Bootstrap UCL	1.829
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.53	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	0.943		
nu star	21.42		
A-D Test Statistic	0.642	**Nonparametric Statistics**	
5% A-D Critical Value	0.714	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.714	Mean	1.238
5% K-S Critical Value	0.314	SD	0.86
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	0.284
		95% KM (t) UCL	1.74
Assuming Gamma Distribution		95% KM (z) UCL	1.705
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1.744
Minimum	0.6	95% KM (bootstrap t) UCL	3.109
Maximum	3.9	95% KM (BCA) UCL	1.764
Mean	1.452	95% KM (Percentile Bootstrap) UCL	1.72
Median	1.421	95% KM (Chebyshev) UCL	2.474
SD	0.8	97.5% KM (Chebyshev) UCL	3.009
k star	3.862	99% KM (Chebyshev) UCL	4.06
Theta star	0.376		
Nu star	108.1	**Potential UCLs to Use**	
AppChi2	85.13	95% KM (t) UCL	1.74
95% Gamma Approximate UCL	1.844		
95% Adjusted Gamma UCL	1.904		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

ARSENIC

General Statistics

Number of Valid Data	32	Number of Detected Data	27
Number of Distinct Detected Data	25	Number of Non-Detect Data	5
Number of Missing Values	219	Percent Non-Detects	15.63%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.8	Minimum Detected	-0.223
Maximum Detected	37	Maximum Detected	3.611
Mean of Detected	3.403	Mean of Detected	0.71
SD of Detected	6.822	SD of Detected	0.792
Minimum Non-Detect	1	Minimum Non-Detect	0
Maximum Non-Detect	3	Maximum Non-Detect	1.099
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	25

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For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	7
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	78.13%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.338	Shapiro Wilk Test Statistic	0.844
5% Shapiro Wilk Critical Value	0.923	5% Shapiro Wilk Critical Value	0.923
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	3.027	Mean	0.59
SD	6.311	SD	0.791
95% DL/2 (t) UCL	4.919	95% H-Stat (DL/2) UCL	3.374
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	0.621
		SD in Log Scale	0.764
		Mean in Original Scale	3.058
		SD in Original Scale	6.301
		95% t UCL	4.947
		95% Percentile Bootstrap UCL	5.199
		95% BCA Bootstrap UCL	6.55
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.011	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	3.367		
nu star	54.57		
A-D Test Statistic	2.693	**Nonparametric Statistics**	
5% A-D Critical Value	0.771	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.771	Mean	3.06
5% K-S Critical Value	0.173	SD	6.202
Data not Gamma Distributed at 5% Significance Level		SE of Mean	1.118
		95% KM (t) UCL	4.956
Assuming Gamma Distribution		95% KM (z) UCL	4.899
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	4.95
Minimum	1E-12	95% KM (bootstrap t) UCL	11.31
Maximum	37	95% KM (BCA) UCL	5.394
Mean	3.13	95% KM (Percentile Bootstrap) UCL	5.163
Median	1.85	95% KM (Chebyshev) UCL	7.932
SD	6.309	97.5% KM (Chebyshev) UCL	10.04
k star	0.306	99% KM (Chebyshev) UCL	14.18
Theta star	10.24		
Nu star	19.56	**Potential UCLs to Use**	
AppChi2	10.53	95% KM (Chebyshev) UCL	7.932
95% Gamma Approximate UCL	5.816		
95% Adjusted Gamma UCL	6.019		
Note: DL/2 is not a recommended method.			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

PROUCL OUTPUT - BLOCK G SURFACE SOIL

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

CADMIUM

General Statistics

Number of Valid Data	14	Number of Detected Data	2
Number of Distinct Detected Data	2	Number of Non-Detect Data	12
Number of Missing Values	237	Percent Non-Detects	85.71%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	5.7	Minimum Detected	1.74
Maximum Detected	14	Maximum Detected	2.639
Mean of Detected	9.85	Mean of Detected	2.19
SD of Detected	5.869	SD of Detected	0.635
Minimum Non-Detect	0.1	Minimum Non-Detect	-2.303
Maximum Non-Detect	3.2	Maximum Non-Detect	1.163
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	12
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	2
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	85.71%

Warning: Data set has only 2 Distinct Detected Values.

This may not be adequate enough to compute meaningful and reliable test statistics and estimates.

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.

However, results obtained using 4 to 9 distinct values may not be reliable.

It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	N/A	Shapiro Wilk Test Statistic	N/A
5% Shapiro Wilk Critical Value	N/A	5% Shapiro Wilk Critical Value	N/A
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	2.029	Mean	-0.614
SD	3.743	SD	1.814
95% DL/2 (t) UCL	3.8	95% H-Stat (DL/2) UCL	24.38
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	N/A

		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% t UCL	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	6.293
5% K-S Critical Value	N/A	SD	2.138
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.808
		95% KM (t) UCL	7.724
Assuming Gamma Distribution		95% KM (z) UCL	7.622
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	11.9
Minimum	N/A	95% KM (bootstrap t) UCL	N/A
Maximum	N/A	95% KM (BCA) UCL	14
Mean	N/A	95% KM (Percentile Bootstrap) UCL	14
Median	N/A	95% KM (Chebyshev) UCL	9.815
SD	N/A	97.5% KM (Chebyshev) UCL	11.34
k star	N/A	99% KM (Chebyshev) UCL	14.33
Theta star	N/A		
Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	95% KM (t) UCL	7.724
95% Gamma Approximate UCL	N/A	95% KM (% Bootstrap) UCL	14
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	14	Number of Detected Data	11
Number of Distinct Detected Data	7	Number of Non-Detect Data	3
Number of Missing Values	237	Percent Non-Detects	21.43%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.02	Minimum Detected	-3.912
Maximum Detected	4.2	Maximum Detected	1.435
Mean of Detected	0.6	Mean of Detected	-2.262
SD of Detected	1.261	SD of Detected	1.95
Minimum Non-Detect	0.1	Minimum Non-Detect	-2.303

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Maximum Non-Detect	0.11	Maximum Non-Detect	-2.207
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	9
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	5
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	64.29%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.54	Shapiro Wilk Test Statistic	0.825
5% Shapiro Wilk Critical Value	0.85	5% Shapiro Wilk Critical Value	0.85
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.483	Mean	-2.406
SD	1.131	SD	1.734
95% DL/2 (t) UCL	1.018	95% H-Stat (DL/2) UCL	2.974
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-2.533
		SD in Log Scale	1.808
		Mean in Original Scale	0.479
		SD in Original Scale	1.132
		95% t UCL	1.015
		95% Percentile Bootstrap UCL	1.022
		95% BCA Bootstrap UCL	1.343
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.336	**Data Follow Appr. Gamma Distribution at 5% Significance Level**	
Theta Star	1.784		
nu star	7.398		
A-D Test Statistic	1.086	**Nonparametric Statistics**	
5% A-D Critical Value	0.805	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.805	Mean	0.476
5% K-S Critical Value	0.273	SD	1.092
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	0.306
		95% KM (t) UCL	1.019
Assuming Gamma Distribution		95% KM (z) UCL	0.98
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	1.013
Minimum	1E-12	95% KM (bootstrap t) UCL	4.214
Maximum	4.2	95% KM (BCA) UCL	1.045
Mean	0.496	95% KM (Percentile Bootstrap) UCL	1.018
Median	0.03	95% KM (Chebyshev) UCL	1.811
SD	1.128	97.5% KM (Chebyshev) UCL	2.388
k star	0.208	99% KM (Chebyshev) UCL	3.522
Theta star	2.389		
Nu star	5.814	**Potential UCLs to Use**	
AppChi2	1.545	95% KM (Chebyshev) UCL	1.811
95% Gamma Approximate UCL	1.866		
95% Adjusted Gamma UCL	2.264		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

MOLYBDENUM

General Statistics

Number of Valid Data	6	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	6
Number of Missing Values	150	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable MOLYBDENUM was not processed!

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	14	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	14
Number of Missing Values	237	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,3-TRICHLOROBENZENE was not processed!

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	14	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	14
Number of Missing Values	237	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,4-TRICHLOROBENZENE was not processed!

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	14	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	14
Number of Missing Values	237	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,4-DICHLOROBENZENE was not processed!

AROCLOR-1254

General Statistics

Number of Valid Data	22	Number of Detected Data	1
Number of Distinct Detected Data	1	Number of Non-Detect Data	21
Number of Missing Values	229	Percent Non-Detects	95.45%

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1254 was not processed!

AROCLOR-1260

General Statistics

Number of Valid Data	22	Number of Detected Data	9
Number of Distinct Detected Data	9	Number of Non-Detect Data	13
Number of Missing Values	229	Percent Non-Detects	59.09%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	8.2	Minimum Detected	2.104
Maximum Detected	1190	Maximum Detected	7.082
Mean of Detected	323.2	Mean of Detected	4.474
SD of Detected	419.2	SD of Detected	2.006
Minimum Non-Detect	36	Minimum Non-Detect	3.584
Maximum Non-Detect	330	Maximum Non-Detect	5.799
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	18
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	4
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	81.82%

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Warning: There are only 9 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.796	Shapiro Wilk Test Statistic	0.867
5% Shapiro Wilk Critical Value	0.829	5% Shapiro Wilk Critical Value	0.829
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	178.2	Mean	4.122
SD	291.1	SD	1.508
95% DL/2 (t) UCL	285	95% H-Stat (DL/2) UCL	580.6
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	3.485
		SD in Log Scale	1.558
		Mean in Original Scale	143.4
		SD in Original Scale	300.8
		95% t UCL	253.8
		95% Percentile Bootstrap UCL	248.9
		95% BCA Bootstrap UCL	286.9
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.4	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	808.5		
nu star	7.197		
A-D Test Statistic	0.532	**Nonparametric Statistics**	
5% A-D Critical Value	0.773	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.773	Mean	141.7
5% K-S Critical Value	0.294	SD	294.8
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	66.77
		95% KM (t) UCL	256.6
Assuming Gamma Distribution		95% KM (z) UCL	251.5
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	252.6
Minimum	8.2	95% KM (bootstrap t) UCL	382
Maximum	1190	95% KM (BCA) UCL	260
Mean	321.8	95% KM (Percentile Bootstrap) UCL	259.6
Median	321	95% KM (Chebyshev) UCL	432.7
SD	259.7	97.5% KM (Chebyshev) UCL	558.7
k star	0.953	99% KM (Chebyshev) UCL	806
Theta star	337.6		
Nu star	41.94	**Potential UCLs to Use**	
AppChi2	28.1	95% KM (t) UCL	256.6
95% Gamma Approximate UCL	480.4		

95% Adjusted Gamma UCL	495.3		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

DIESEL RANGE ORGANICS

General Statistics

Number of Valid Data	15	Number of Detected Data	10
Number of Distinct Detected Data	9	Number of Non-Detect Data	5
Number of Missing Values	236	Percent Non-Detects	33.33%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	12000	Minimum Detected	9.393
Maximum Detected	163000	Maximum Detected	12
Mean of Detected	72200	Mean of Detected	10.79
SD of Detected	57588	SD of Detected	1.012
Minimum Non-Detect	11000	Minimum Non-Detect	9.306
Maximum Non-Detect	12000	Maximum Non-Detect	9.393
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	5
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	10
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	33.33%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.872	Shapiro Wilk Test Statistic	0.886
5% Shapiro Wilk Critical Value	0.842	5% Shapiro Wilk Critical Value	0.842
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	50100	Mean	10.09
SD	56379	SD	1.312
95% DL/2 (t) UCL	75739	95% H-Stat (DL/2) UCL	179362
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	35562	Mean in Log Scale	9.967
SD	72044	SD in Log Scale	1.486
95% MLE (t) UCL	68326	Mean in Original Scale	49644
95% MLE (Tiku) UCL	70786	SD in Original Scale	56776
		95% t UCL	75464
		95% Percentile Bootstrap UCL	73707
		95% BCA Bootstrap UCL	76939
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.057	**Data appear Normal at 5% Significance Level**	
Theta Star	68275		

nu star	21.15		
A-D Test Statistic	0.522	**Nonparametric Statistics**	
5% A-D Critical Value	0.741	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.741	Mean	52133
5% K-S Critical Value	0.272	SD	52869
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	14389
		95% KM (t) UCL	77477
Assuming Gamma Distribution		95% KM (z) UCL	75801
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	77021
Minimum	1E-12	95% KM (bootstrap t) UCL	84659
Maximum	163000	95% KM (BCA) UCL	77427
Mean	56263	95% KM (Percentile Bootstrap) UCL	76387
Median	32200	95% KM (Chebyshev) UCL	114855
SD	52780	97.5% KM (Chebyshev) UCL	141994
k star	0.243	99% KM (Chebyshev) UCL	195304
Theta star	231268		
Nu star	7.298	**Potential UCLs to Use**	
AppChi2	2.336	95% KM (t) UCL	77477
95% Gamma Approximate UCL	175800	95% KM (Percentile Bootstrap) UCL	76387
95% Adjusted Gamma UCL	204774		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	19	Number of Detected Data	7
Number of Distinct Detected Data	7	Number of Non-Detect Data	12
Number of Missing Values	232	Percent Non-Detects	63.16%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	31	Minimum Detected	3.434
Maximum Detected	810000	Maximum Detected	13.6
Mean of Detected	142206	Mean of Detected	7.388
SD of Detected	301017	SD of Detected	4.323
Minimum Non-Detect	110	Minimum Non-Detect	4.7
Maximum Non-Detect	12500	Maximum Non-Detect	9.433
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	16
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	3
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	84.21%

Warning: There are only 7 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

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It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.			
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.574	Shapiro Wilk Test Statistic	0.849
5% Shapiro Wilk Critical Value	0.803	5% Shapiro Wilk Critical Value	0.803
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	54121	Mean	6.728
SD	187046	SD	3.143
95% DL/2 (t) UCL	128532	95% H-Stat (DL/2) UCL	12812689
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	5.161
		SD in Log Scale	3.194
		Mean in Original Scale	52444
		SD in Original Scale	187523
		95% t UCL	127045
		95% Percentile Bootstrap UCL	136914
		95% BCA Bootstrap UCL	181137
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.192	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	742012		
nu star	2.683		
A-D Test Statistic	0.604	**Nonparametric Statistics**	
5% A-D Critical Value	0.833	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.833	Mean	52423
5% K-S Critical Value	0.344	SD	182527
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	45230
		95% KM (t) UCL	130855
Assuming Gamma Distribution		95% KM (z) UCL	126820
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	127026
Minimum	31	95% KM (bootstrap t) UCL	2833725
Maximum	810000	95% KM (BCA) UCL	137681
Mean	143350	95% KM (Percentile Bootstrap) UCL	136892
Median	141400	95% KM (Chebyshev) UCL	249576
SD	174219	97.5% KM (Chebyshev) UCL	334883
k star	0.371	99% KM (Chebyshev) UCL	502454
Theta star	386732		
Nu star	14.09	**Potential UCLs to Use**	
AppChi2	6.63	95% KM (t) UCL	130855
95% Gamma Approximate UCL	304552		
95% Adjusted Gamma UCL	326385		
Note: DL/2 is not a recommended method.			
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

COBALT

General Statistics

Number of Valid Observations	6	Number of Distinct Observations	6
Number of Missing Values	150		

Raw Statistics		**Log-transformed Statistics**	
Minimum	3.2	Minimum of Log Data	1.163
Maximum	51.2	Maximum of Log Data	3.936
Mean	15.13	Mean of log Data	2.27
Median	7.4	SD of log Data	0.964
SD	18.17		
Coefficient of Variation	1.201		
Skewness	2.175		

Warning: A sample size of 'n' = 6 may not adequate enough to compute meaningful and reliable test statistics and estimates!

It is suggested to collect at least 8 to 10 observations using these statistical methods!

If possible compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Warning: There are only 6 Values in this data

Note: It should be noted that even though bootstrap methods may be performed on this data set,

the resulting calculations may not be reliable enough to draw conclusions

The literature suggests to use bootstrap methods on data sets having more than 10-15 observations.

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.689	Shapiro Wilk Test Statistic	0.921
Shapiro Wilk Critical Value	0.788	Shapiro Wilk Critical Value	0.788
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	30.08	95% H-UCL	86.11
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	37.62
95% Adjusted-CLT UCL (Chen-1995)	34.37	97.5% Chebyshev (MVUE) UCL	47.85
95% Modified-t UCL (Johnson-1978)	31.18	99% Chebyshev (MVUE) UCL	67.95
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	0.741	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	20.43		

MLE of Mean	15.13		
MLE of Standard Deviation	17.59		
nu star	8.887		
Approximate Chi Square Value (.05)	3.259	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0122	95% CLT UCL	27.33
Adjusted Chi Square Value	2.157	95% Jackknife UCL	30.08
		95% Standard Bootstrap UCL	26.17
Anderson-Darling Test Statistic	0.552	95% Bootstrap-t UCL	107.6
Anderson-Darling 5% Critical Value	0.711	95% Hall's Bootstrap UCL	136.5
Kolmogorov-Smirnov Test Statistic	0.315	95% Percentile Bootstrap UCL	28.3
Kolmogorov-Smirnov 5% Critical Value	0.339	95% BCA Bootstrap UCL	30.77
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	47.46
		97.5% Chebyshev(Mean, Sd) UCL	61.45
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	88.93
95% Approximate Gamma UCL	41.27		
95% Adjusted Gamma UCL	62.35		
Potential UCL to Use		Use 95% Approximate Gamma UCL	41.27

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

LEAD

General Statistics

Number of Valid Observations	14	Number of Distinct Observations	13
Number of Missing Values	237		

Raw Statistics		**Log-transformed Statistics**	
Minimum	4	Minimum of Log Data	1.386
Maximum	340	Maximum of Log Data	5.829
Mean	68.25	Mean of log Data	3.26
Median	28	SD of log Data	1.505
SD	97.41		
Coefficient of Variation	1.427		
Skewness	2.077		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.709	Shapiro Wilk Test Statistic	0.917
Shapiro Wilk Critical Value	0.874	Shapiro Wilk Critical Value	0.874
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	114.4	95% H-UCL	378.9
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	208.2
95% Adjusted-CLT UCL (Chen-1995)	126.5	97.5% Chebyshev (MVUE) UCL	268.1
95% Modified-t UCL (Johnson-1978)	116.8	99% Chebyshev (MVUE) UCL	385.6

Gamma Distribution Test		Data Distribution	
k star (bias corrected)	0.547	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	124.7		
MLE of Mean	68.25		
MLE of Standard Deviation	92.26		
nu star	15.32		
Approximate Chi Square Value (.05)	7.485	Nonparametric Statistics	
Adjusted Level of Significance	0.0312	95% CLT UCL	111.1
Adjusted Chi Square Value	6.77	95% Jackknife UCL	114.4
		95% Standard Bootstrap UCL	109.8
Anderson-Darling Test Statistic	0.608	95% Bootstrap-t UCL	172.5
Anderson-Darling 5% Critical Value	0.781	95% Hall's Bootstrap UCL	298.8
Kolmogorov-Smirnov Test Statistic	0.222	95% Percentile Bootstrap UCL	112.1
Kolmogorov-Smirnov 5% Critical Value	0.239	95% BCA Bootstrap UCL	128.9
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	181.7
		97.5% Chebyshev(Mean, Sd) UCL	230.8
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	327.3
95% Approximate Gamma UCL	139.7		
95% Adjusted Gamma UCL	154.5		
Potential UCL to Use		Use 95% Approximate Gamma UCL	139.7

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

NICKEL

General Statistics

Number of Valid Observations	14	Number of Distinct Observations	12
Number of Missing Values	237		

Raw Statistics		Log-transformed Statistics	
Minimum	5	Minimum of Log Data	1.609
Maximum	280	Maximum of Log Data	5.635
Mean	49.28	Mean of log Data	2.84
Median	12.5	SD of log Data	1.239
SD	95.75		
Coefficient of Variation	1.943		
Skewness	2.287		

Relevant UCL Statistics

Normal Distribution Test		Lognormal Distribution Test	
Shapiro Wilk Test Statistic	0.474	Shapiro Wilk Test Statistic	0.726
Shapiro Wilk Critical Value	0.874	Shapiro Wilk Critical Value	0.874
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
95% Student's-t UCL	94.6	95% H-UCL	111.1
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	88.15

95% Adjusted-CLT UCL (Chen-1995)	108.1	97.5% Chebyshev (MVUE) UCL	111.6
95% Modified-t UCL (Johnson-1978)	97.2	99% Chebyshev (MVUE) UCL	157.8
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	0.508	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	96.93		
MLE of Mean	49.28		
MLE of Standard Deviation	69.11		
nu star	14.24		
Approximate Chi Square Value (.05)	6.733	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0312	95% CLT UCL	91.37
Adjusted Chi Square Value	6.06	95% Jackknife UCL	94.6
		95% Standard Bootstrap UCL	90.58
Anderson-Darling Test Statistic	2.645	95% Bootstrap-t UCL	882.9
Anderson-Darling 5% Critical Value	0.785	95% Hall's Bootstrap UCL	452.6
Kolmogorov-Smirnov Test Statistic	0.403	95% Percentile Bootstrap UCL	88.93
Kolmogorov-Smirnov 5% Critical Value	0.24	95% BCA Bootstrap UCL	106.4
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	160.8
		97.5% Chebyshev(Mean, Sd) UCL	209.1
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	303.9
95% Approximate Gamma UCL	104.2		
95% Adjusted Gamma UCL	115.8		
Potential UCL to Use		Use 95% Chebyshev (Mean, Sd) UCL	160.8

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

VANADIUM

General Statistics

Number of Valid Observations	6	Number of Distinct Observations	6
Number of Missing Values	150		
Raw Statistics		**Log-transformed Statistics**	
Minimum	20.2	Minimum of Log Data	3.006
Maximum	39.2	Maximum of Log Data	3.669
Mean	25.73	Mean of log Data	3.221
Median	23.95	SD of log Data	0.244
SD	7.043		
Coefficient of Variation	0.274		
Skewness	1.817		

Warning: A sample size of 'n' = 6 may not adequate enough to compute meaningful and reliable test statistics and estimates!

It is suggested to collect at least 8 to 10 observations using these statistical methods!

If possible compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

PROUCL OUTPUT - BLOCK G SURFACE SOIL

Warning: There are only 6 Values in this data

Note: It should be noted that even though bootstrap methods may be performed on this data set, the resulting calculations may not be reliable enough to draw conclusions

The literature suggests to use bootstrap methods on data sets having more than 10-15 observations.

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.792	Shapiro Wilk Test Statistic	0.851
Shapiro Wilk Critical Value	0.788	Shapiro Wilk Critical Value	0.788
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	31.53	95% H-UCL	32.57
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	36.82
95% Adjusted-CLT UCL (Chen-1995)	32.74	97.5% Chebyshev (MVUE) UCL	41.63
95% Modified-t UCL (Johnson-1978)	31.88	99% Chebyshev (MVUE) UCL	51.1
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	9.553	**Data appear Normal at 5% Significance Level**	
Theta Star	2.694		
MLE of Mean	25.73		
MLE of Standard Deviation	8.326		
nu star	114.6		
Approximate Chi Square Value (.05)	90.92	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0122	95% CLT UCL	30.46
Adjusted Chi Square Value	83.3	95% Jackknife UCL	31.53
		95% Standard Bootstrap UCL	30.13
Anderson-Darling Test Statistic	0.539	95% Bootstrap-t UCL	37.99
Anderson-Darling 5% Critical Value	0.697	95% Hall's Bootstrap UCL	47.96
Kolmogorov-Smirnov Test Statistic	0.272	95% Percentile Bootstrap UCL	30.7
Kolmogorov-Smirnov 5% Critical Value	0.332	95% BCA Bootstrap UCL	32.03
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	38.27
		97.5% Chebyshev(Mean, Sd) UCL	43.69
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	54.34
95% Approximate Gamma UCL	32.45		
95% Adjusted Gamma UCL	35.41		
Potential UCL to Use		Use 95% Student's-t UCL	31.53

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK H SURFACE SOIL

	General UCL Statistics for Full Data Sets
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

5% OF TOTAL CHROMIUM

General Statistics

Number of Valid Observations	11	Number of Distinct Observations	11
Number of Missing Values	1		

Raw Statistics		**Log-transformed Statistics**	
Minimum	0.39	Minimum of Log Data	-0.942
Maximum	1.535	Maximum of Log Data	0.429
Mean	0.788	Mean of log Data	-0.349
Median	0.585	SD of log Data	0.487
SD	0.402		
Coefficient of Variation	0.51		
Skewness	0.805		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.832	Shapiro Wilk Test Statistic	0.875
Shapiro Wilk Critical Value	0.85	Shapiro Wilk Critical Value	0.85
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	1.008	95% H-UCL	1.107
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	1.296
95% Adjusted-CLT UCL (Chen-1995)	1.019	97.5% Chebyshev (MVUE) UCL	1.518
95% Modified-t UCL (Johnson-1978)	1.013	99% Chebyshev (MVUE) UCL	1.953
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	3.439	**Data appear Lognormal at 5% Significance Level**	
Theta Star	0.229		
MLE of Mean	0.788		
MLE of Standard Deviation	0.425		
nu star	75.67		
Approximate Chi Square Value (.05)	56.63	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0278	95% CLT UCL	0.988
Adjusted Chi Square Value	53.95	95% Jackknife UCL	1.008
		95% Standard Bootstrap UCL	0.976
Anderson-Darling Test Statistic	0.799	95% Bootstrap-t UCL	1.055
Anderson-Darling 5% Critical Value	0.732	95% Hall's Bootstrap UCL	0.961
Kolmogorov-Smirnov Test Statistic	0.287	95% Percentile Bootstrap UCL	0.987
Kolmogorov-Smirnov 5% Critical Value	0.256	95% BCA Bootstrap UCL	1.001
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	1.317
		97.5% Chebyshev(Mean, Sd) UCL	1.545

PROUCL OUTPUT - BLOCK H SURFACE SOIL

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	1.994
95% Approximate Gamma UCL	1.053		
95% Adjusted Gamma UCL	1.105		
Potential UCL to Use		Use 95% Student's-t UCL	1.008
		or 95% Modified-t UCL	1.013
		or 95% H-UCL	1.107

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.

H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.

It is therefore recommended to avoid the use of H-statistic based 95% UCLs.

Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK H SURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BENZO(A)PYRENE EQUIVALENTS

General Statistics

Number of Valid Data	55	Number of Detected Data	33
Number of Distinct Detected Data	32	Number of Non-Detect Data	22
Number of Missing Values	12	Percent Non-Detects	40.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	9	Minimum Detected	2.197
Maximum Detected	45883	Maximum Detected	10.73
Mean of Detected	2871	Mean of Detected	4.472
SD of Detected	9472	SD of Detected	2.212
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	400	Maximum Non-Detect	5.991
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	48
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	7
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	87.27%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.349	Shapiro Wilk Test Statistic	0.804
5% Shapiro Wilk Critical Value	0.931	5% Shapiro Wilk Critical Value	0.931
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1744	Mean	3.291
SD	7424	SD	2.723
95% DL/2 (t) UCL	3419	95% H-Stat (DL/2) UCL	6677
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	2.857
		SD in Log Scale	2.815
		Mean in Original Scale	1725
		SD in Original Scale	7428
		95% t UCL	3401
		95% Percentile Bootstrap UCL	3462
		95% BCA Bootstrap UCL	4244
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.211	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	13639		

PROUCL OUTPUT - BLOCK H SURFACE SOIL

nu star	13.89		
A-D Test Statistic	6.126	**Nonparametric Statistics**	
5% A-D Critical Value	0.895	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.895	Mean	1729
5% K-S Critical Value	0.169	SD	7359
Data not Gamma Distributed at 5% Significance Level		SE of Mean	1008
		95% KM (t) UCL	3416
Assuming Gamma Distribution		95% KM (z) UCL	3387
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3405
Minimum	1E-12	95% KM (bootstrap t) UCL	71220
Maximum	45883	95% KM (BCA) UCL	3436
Mean	2269	95% KM (Percentile Bootstrap) UCL	3429
Median	24	95% KM (Chebyshev) UCL	6122
SD	7819	97.5% KM (Chebyshev) UCL	8022
k star	0.0721	99% KM (Chebyshev) UCL	11756
Theta star	31492		
Nu star	7.926	**Potential UCLs to Use**	
AppChi2	2.692	99% KM (Chebyshev) UCL	11756
95% Gamma Approximate UCL	6680		
95% Adjusted Gamma UCL	6889		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

PROUCL OUTPUT - BLOCK H SURFACE SOIL

	General UCL Statistics for Data Sets with Non-Detects
User Selected Options	
From File	BLOCK H.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

ANTIMONY

General Statistics

Number of Valid Data	10	Number of Detected Data	4
Number of Distinct Detected Data	3	Number of Non-Detect Data	6
Number of Missing Values	29	Percent Non-Detects	60.00%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.6	Minimum Detected	-0.511
Maximum Detected	1	Maximum Detected	0
Mean of Detected	0.875	Mean of Detected	-0.154
SD of Detected	0.189	SD of Detected	0.243
Minimum Non-Detect	0.34	Minimum Non-Detect	-1.079
Maximum Non-Detect	0.71	Maximum Non-Detect	-0.342
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	7
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	3
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	70.00%

Warning: There are only 3 Distinct Detected Values in this data set

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.

However, results obtained using 4 to 9 distinct values may not be reliable.

It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.791	Shapiro Wilk Test Statistic	0.768
5% Shapiro Wilk Critical Value	0.748	5% Shapiro Wilk Critical Value	0.748
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.479	Mean	-1.007
SD	0.362	SD	0.775
95% DL/2 (t) UCL	0.688	95% H-Stat (DL/2) UCL	0.981
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	0.967	Mean in Log Scale	-0.551
SD	0.0471	SD in Log Scale	0.37

95% MLE (t) UCL	0.994	Mean in Original Scale	0.615
95% MLE (Tiku) UCL	1.017	SD in Original Scale	0.249
		95% t UCL	0.76
		95% Percentile Bootstrap UCL	0.744
		95% BCA Bootstrap UCL	0.771
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	6.301	**Data appear Normal at 5% Significance Level**	
Theta Star	0.139		
nu star	50.41		
A-D Test Statistic	0.605	**Nonparametric Statistics**	
5% A-D Critical Value	0.657	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.657	Mean	0.71
5% K-S Critical Value	0.394	SD	0.17
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0621
		95% KM (t) UCL	0.824
Assuming Gamma Distribution		95% KM (z) UCL	0.812
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.897
Minimum	1E-12	95% KM (bootstrap t) UCL	0.76
Maximum	1	95% KM (BCA) UCL	1
Mean	0.35	95% KM (Percentile Bootstrap) UCL	1
Median	1E-12	95% KM (Chebyshev) UCL	0.981
SD	0.465	97.5% KM (Chebyshev) UCL	1.098
k star	0.106	99% KM (Chebyshev) UCL	1.328
Theta star	3.315		
Nu star	2.112	**Potential UCLs to Use**	
AppChi2	0.167	95% KM (t) UCL	0.824
95% Gamma Approximate UCL	4.434	95% KM (Percentile Bootstrap) UCL	1
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

ARSENIC

General Statistics

Number of Valid Data	11	Number of Detected Data	6
Number of Distinct Detected Data	6	Number of Non-Detect Data	5
Number of Missing Values	28	Percent Non-Detects	45.45%
Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.7	Minimum Detected	-0.357
Maximum Detected	6.1	Maximum Detected	1.808
Mean of Detected	2.917	Mean of Detected	0.745
SD of Detected	2.472	SD of Detected	0.899
Minimum Non-Detect	0.7	Minimum Non-Detect	-0.357
Maximum Non-Detect	4.8	Maximum Non-Detect	1.569

PROUCL OUTPUT - BLOCK H SURFACE SOIL

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	9
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	2
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	81.82%

Warning: There are only 6 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.787	Shapiro Wilk Test Statistic	0.901
5% Shapiro Wilk Critical Value	0.788	5% Shapiro Wilk Critical Value	0.788
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	2.114	Mean	0.374
SD	2.041	SD	0.898
95% DL/2 (t) UCL	3.229	95% H-Stat (DL/2) UCL	4.832
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	0.197
		SD in Log Scale	0.951
		Mean in Original Scale	1.904
		SD in Original Scale	2.106
		95% t UCL	3.055
		95% Percentile Bootstrap UCL	2.916
		95% BCA Bootstrap UCL	3.234
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.952	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	3.064		
nu star	11.42		
A-D Test Statistic	0.469	**Nonparametric Statistics**	
5% A-D Critical Value	0.706	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.706	Mean	2.021
5% K-S Critical Value	0.337	SD	1.953
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.653
		95% KM (t) UCL	3.204
Assuming Gamma Distribution		95% KM (z) UCL	3.095
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3.13
Minimum	0.585	95% KM (bootstrap t) UCL	4.851
Maximum	6.1	95% KM (BCA) UCL	3.482
Mean	2.735	95% KM (Percentile Bootstrap) UCL	3.282
Median	2.242	95% KM (Chebyshev) UCL	4.866
SD	1.913	97.5% KM (Chebyshev) UCL	6.097

k star	1.599	99% KM (Chebyshev) UCL	8.515
Theta star	1.71		
Nu star	35.18	**Potential UCLs to Use**	
AppChi2	22.61	95% KM (BCA) UCL	3.482
95% Gamma Approximate UCL	4.255		
95% Adjusted Gamma UCL	4.586		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

CADMIUM

General Statistics

Number of Valid Data	11	Number of Detected Data	4
Number of Distinct Detected Data	4	Number of Non-Detect Data	7
Number of Missing Values	28	Percent Non-Detects	63.64%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.06	Minimum Detected	-2.813
Maximum Detected	0.5	Maximum Detected	-0.693
Mean of Detected	0.213	Mean of Detected	-1.881
SD of Detected	0.201	SD of Detected	0.937
Minimum Non-Detect	0.03	Minimum Non-Detect	-3.507
Maximum Non-Detect	0.42	Maximum Non-Detect	-0.868
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	10
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	1
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	90.91%

Warning: There are only 4 Distinct Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.85	Shapiro Wilk Test Statistic	0.962
5% Shapiro Wilk Critical Value	0.748	5% Shapiro Wilk Critical Value	0.748
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.123	Mean	-2.735
SD	0.147	SD	1.21
95% DL/2 (t) UCL	0.203	95% H-Stat (DL/2) UCL	0.499

PROUCL OUTPUT - BLOCK H SURFACE SOIL

Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-3.241
		SD in Log Scale	1.268
		Mean in Original Scale	0.0901
		SD in Original Scale	0.147
		95% t UCL	0.17
		95% Percentile Bootstrap UCL	0.165
		95% BCA Bootstrap UCL	0.211
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.58	**Data appear Normal at 5% Significance Level**	
Theta Star	0.367		
nu star	4.638		
A-D Test Statistic	0.3	**Nonparametric Statistics**	
5% A-D Critical Value	0.662	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.662	Mean	0.119
5% K-S Critical Value	0.399	SD	0.128
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0452
		95% KM (t) UCL	0.201
Assuming Gamma Distribution		95% KM (z) UCL	0.194
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.188
Minimum	0.016	95% KM (bootstrap t) UCL	0.251
Maximum	0.551	95% KM (BCA) UCL	0.5
Mean	0.283	95% KM (Percentile Bootstrap) UCL	0.255
Median	0.2	95% KM (Chebyshev) UCL	0.317
SD	0.2	97.5% KM (Chebyshev) UCL	0.402
k star	1.111	99% KM (Chebyshev) UCL	0.57
Theta star	0.255		
Nu star	24.44	**Potential UCLs to Use**	
AppChi2	14.18	95% KM (t) UCL	0.201
95% Gamma Approximate UCL	0.488	95% KM (Percentile Bootstrap) UCL	0.255
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MERCURY

General Statistics

Number of Valid Data	48	Number of Detected Data	25
Number of Distinct Detected Data	20	Number of Non-Detect Data	23
Number of Missing Values	18	Percent Non-Detects	47.92%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.01	Minimum Detected	-4.605
Maximum Detected	1.14	Maximum Detected	0.131
Mean of Detected	0.128	Mean of Detected	-2.975

PROUCL OUTPUT - BLOCK H SURFACE SOIL

SD of Detected	0.244	SD of Detected	1.215
Minimum Non-Detect	0.01	Minimum Non-Detect	-4.605
Maximum Non-Detect	0.021	Maximum Non-Detect	-3.863
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	27
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	21
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	56.25%
UCL Statistics			
Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.507	Shapiro Wilk Test Statistic	0.887
5% Shapiro Wilk Critical Value	0.918	5% Shapiro Wilk Critical Value	0.918
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0709	Mean	-3.805
SD	0.185	SD	1.239
95% DL/2 (t) UCL	0.116	95% H-Stat (DL/2) UCL	0.0768
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE yields a negative mean		Mean in Log Scale	-4.26
		SD in Log Scale	1.735
		Mean in Original Scale	0.0689
		SD in Original Scale	0.185
		95% t UCL	0.114
		95% Percentile Bootstrap UCL	0.116
		95% BCA Bootstrap UCL	0.139
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	0.611	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	0.209		
nu star	30.54		
A-D Test Statistic	2.472	**Nonparametric Statistics**	
5% A-D Critical Value	0.792	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.792	Mean	0.0713
5% K-S Critical Value	0.182	SD	0.183
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.0269
		95% KM (t) UCL	0.116
Assuming Gamma Distribution		95% KM (z) UCL	0.116
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.116
Minimum	0.01	95% KM (bootstrap t) UCL	0.171
Maximum	1.14	95% KM (BCA) UCL	0.129
Mean	0.124	95% KM (Percentile Bootstrap) UCL	0.118
Median	0.0613	95% KM (Chebyshev) UCL	0.189
SD	0.181	97.5% KM (Chebyshev) UCL	0.239
k star	0.966	99% KM (Chebyshev) UCL	0.339
Theta star	0.129		
Nu star	92.7	**Potential UCLs to Use**	
AppChi2	71.5	95% KM (Chebyshev) UCL	0.189

95% Gamma Approximate UCL	0.161		
95% Adjusted Gamma UCL	0.162		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

MOLYBDENUM

General Statistics

Number of Valid Data	11	Number of Detected Data	6
Number of Distinct Detected Data	6	Number of Non-Detect Data	5
Number of Missing Values	28	Percent Non-Detects	45.45%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	0.2	Minimum Detected	-1.609
Maximum Detected	0.55	Maximum Detected	-0.598
Mean of Detected	0.385	Mean of Detected	-1.012
SD of Detected	0.138	SD of Detected	0.382
Minimum Non-Detect	0.4	Minimum Non-Detect	-0.916
Maximum Non-Detect	0.9	Maximum Non-Detect	-0.105
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	11
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

Warning: There are only 6 Detected Values in this data

Note: It should be noted that even though bootstrap may be performed on this data set

the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.924	Shapiro Wilk Test Statistic	0.935
5% Shapiro Wilk Critical Value	0.788	5% Shapiro Wilk Critical Value	0.788
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.346	Mean	-1.116
SD	0.122	SD	0.35
95% DL/2 (t) UCL	0.413	95% H-Stat (DL/2) UCL	0.435
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	-1.065
		SD in Log Scale	0.291
		Mean in Original Scale	0.359

		SD in Original Scale	0.107
		95% t UCL	0.417
		95% Percentile Bootstrap UCL	0.41
		95% BCA Bootstrap UCL	0.416
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	4.519	**Data appear Normal at 5% Significance Level**	
Theta Star	0.0852		
nu star	54.22		
A-D Test Statistic	0.281	**Nonparametric Statistics**	
5% A-D Critical Value	0.698	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.698	Mean	0.365
5% K-S Critical Value	0.333	SD	0.119
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.0487
		95% KM (t) UCL	0.453
Assuming Gamma Distribution		95% KM (z) UCL	0.445
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	0.456
Minimum	0.2	95% KM (bootstrap t) UCL	0.471
Maximum	0.55	95% KM (BCA) UCL	0.44
Mean	0.401	95% KM (Percentile Bootstrap) UCL	0.444
Median	0.393	95% KM (Chebyshev) UCL	0.577
SD	0.104	97.5% KM (Chebyshev) UCL	0.669
k star	10.6	99% KM (Chebyshev) UCL	0.85
Theta star	0.0378		
Nu star	233.2	**Potential UCLs to Use**	
AppChi2	198.9	95% KM (t) UCL	0.453
95% Gamma Approximate UCL	0.47	95% KM (Percentile Bootstrap) UCL	0.444
95% Adjusted Gamma UCL	0.482		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

1,2,3-TRICHLOROBENZENE

General Statistics

Number of Valid Data	11	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	11
Number of Missing Values	28	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,3-TRICHLOROBENZENE was not processed!

1,2,4-TRICHLOROBENZENE

General Statistics

Number of Valid Data	11	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	11
Number of Missing Values	28	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,2,4-TRICHLOROBENZENE was not processed!

1,4-DICHLOROBENZENE

General Statistics

Number of Valid Data	11	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	11
Number of Missing Values	28	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable 1,4-DICHLOROBENZENE was not processed!

AROCLOR-1254

General Statistics

Number of Valid Data	11	Number of Detected Data	0
Number of Distinct Detected Data	0	Number of Non-Detect Data	11
Number of Missing Values	28	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1254 was not processed!

AROCLOR-1260

General Statistics

Number of Valid Data	11	Number of Detected Data	0

Number of Distinct Detected Data	0	Number of Non-Detect Data	11
Number of Missing Values	28	Percent Non-Detects	100.00%

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable AROCLOR-1260 was not processed!

GASOLINE RANGE ORGANICS

General Statistics

Number of Valid Data	11	Number of Detected Data	2
Number of Distinct Detected Data	2	Number of Non-Detect Data	9
Number of Missing Values	28	Percent Non-Detects	81.82%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	3200	Minimum Detected	8.071
Maximum Detected	12000	Maximum Detected	9.393
Mean of Detected	7600	Mean of Detected	8.732
SD of Detected	6223	SD of Detected	0.935
Minimum Non-Detect	2600	Minimum Non-Detect	7.863
Maximum Non-Detect	13300	Maximum Non-Detect	9.496
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	11
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

Warning: Data set has only 2 Distinct Detected Values.

This may not be adequate enough to compute meaningful and reliable test statistics and estimates.

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.

Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.

However, results obtained using 4 to 9 distinct values may not be reliable.

It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	N/A	Shapiro Wilk Test Statistic	N/A
5% Shapiro Wilk Critical Value	N/A	5% Shapiro Wilk Critical Value	N/A
Data not Normal at 5% Significance Level		**Data not Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	

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DL/2 Substitution Method		DL/2 Substitution Method	
Mean	3710	Mean	7.925
SD	3310	SD	0.771
95% DL/2 (t) UCL	5519	95% H-Stat (DL/2) UCL	6990
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	N/A
		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% t UCL	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	N/A	**Data do not follow a Discernable Distribution (0.05)**	
Theta Star	N/A		
nu star	N/A		
A-D Test Statistic	N/A	**Nonparametric Statistics**	
5% A-D Critical Value	N/A	Kaplan-Meier (KM) Method	
K-S Test Statistic	N/A	Mean	4080
5% K-S Critical Value	N/A	SD	2640
Data not Gamma Distributed at 5% Significance Level		SE of Mean	1181
		95% KM (t) UCL	6220
Assuming Gamma Distribution		95% KM (z) UCL	6022
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	10131
Minimum	N/A	95% KM (bootstrap t) UCL	N/A
Maximum	N/A	95% KM (BCA) UCL	12000
Mean	N/A	95% KM (Percentile Bootstrap) UCL	N/A
Median	N/A	95% KM (Chebyshev) UCL	9226
SD	N/A	97.5% KM (Chebyshev) UCL	11453
k star	N/A	99% KM (Chebyshev) UCL	15827
Theta star	N/A		
Nu star	N/A	**Potential UCLs to Use**	
AppChi2	N/A	95% KM (t) UCL	6220
95% Gamma Approximate UCL	N/A	95% KM (% Bootstrap) UCL	N/A
95% Adjusted Gamma UCL	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

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	General UCL Statistics for Full Data Sets
User Selected Options	
From File	Sheet1.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

COBALT

General Statistics

Number of Valid Observations	11	Number of Distinct Observations	11
Number of Missing Values	28		

Raw Statistics		**Log-transformed Statistics**	
Minimum	2.8	Minimum of Log Data	1.03
Maximum	19.7	Maximum of Log Data	2.981
Mean	6.5	Mean of log Data	1.706
Median	5.4	SD of log Data	0.562
SD	4.752		
Coefficient of Variation	0.731		
Skewness	2.46		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.711	Shapiro Wilk Test Statistic	0.924
Shapiro Wilk Critical Value	0.85	Shapiro Wilk Critical Value	0.85
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	9.097	95% H-UCL	9.638
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	11.16
95% Adjusted-CLT UCL (Chen-1995)	9.992	97.5% Chebyshev (MVUE) UCL	13.24
95% Modified-t UCL (Johnson-1978)	9.274	99% Chebyshev (MVUE) UCL	17.33
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	2.362	**Data appear Gamma Distributed at 5% Significance Level**	
Theta Star	2.752		
MLE of Mean	6.5		
MLE of Standard Deviation	4.229		
nu star	51.97		
Approximate Chi Square Value (.05)	36.41	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0278	95% CLT UCL	8.857
Adjusted Chi Square Value	34.3	95% Jackknife UCL	9.097
		95% Standard Bootstrap UCL	8.77
Anderson-Darling Test Statistic	0.515	95% Bootstrap-t UCL	12.36
Anderson-Darling 5% Critical Value	0.733	95% Hall's Bootstrap UCL	18.81
Kolmogorov-Smirnov Test Statistic	0.156	95% Percentile Bootstrap UCL	8.927
Kolmogorov-Smirnov 5% Critical Value	0.257	95% BCA Bootstrap UCL	9.9
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	12.75
		97.5% Chebyshev(Mean, Sd) UCL	15.45

Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	20.76
95% Approximate Gamma UCL	9.277		
95% Adjusted Gamma UCL	9.849		
Potential UCL to Use		Use 95% Approximate Gamma UCL	9.277

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

LEAD

General Statistics

Number of Valid Observations	11	Number of Distinct Observations	10
Number of Missing Values	28		

Raw Statistics		**Log-transformed Statistics**	
Minimum	3.4	Minimum of Log Data	1.224
Maximum	18	Maximum of Log Data	2.89
Mean	6.809	Mean of log Data	1.817
Median	6	SD of log Data	0.434
SD	3.936		
Coefficient of Variation	0.578		
Skewness	2.654		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.671	Shapiro Wilk Test Statistic	0.878
Shapiro Wilk Critical Value	0.85	Shapiro Wilk Critical Value	0.85
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	8.96	95% H-UCL	9.009
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	10.58
95% Adjusted-CLT UCL (Chen-1995)	9.776	97.5% Chebyshev (MVUE) UCL	12.26
95% Modified-t UCL (Johnson-1978)	9.118	99% Chebyshev (MVUE) UCL	15.56
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	3.764	**Data appear Lognormal at 5% Significance Level**	
Theta Star	1.809		
MLE of Mean	6.809		
MLE of Standard Deviation	3.509		
nu star	82.82		
Approximate Chi Square Value (.05)	62.84	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0278	95% CLT UCL	8.761
Adjusted Chi Square Value	60.01	95% Jackknife UCL	8.96
		95% Standard Bootstrap UCL	8.676
Anderson-Darling Test Statistic	0.794	95% Bootstrap-t UCL	11.61
Anderson-Darling 5% Critical Value	0.731	95% Hall's Bootstrap UCL	16.97
Kolmogorov-Smirnov Test Statistic	0.265	95% Percentile Bootstrap UCL	8.945

Kolmogorov-Smirnov 5% Critical Value	0.256	95% BCA Bootstrap UCL	9.518
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	11.98
		97.5% Chebyshev(Mean, Sd) UCL	14.22
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	18.62
95% Approximate Gamma UCL	8.973		
95% Adjusted Gamma UCL	9.396		
Potential UCL to Use		Use 95% Student's-t UCL	8.96
		or 95% Modified-t UCL	9.118
		or 95% H-UCL	9.009

ProUCL computes and outputs H-statistic based UCLs for historical reasons only.

H-statistic often results in unstable (both high and low) values of UCL95 as shown in examples in the Technical Guide.

It is therefore recommended to avoid the use of H-statistic based 95% UCLs.

Use of nonparametric methods are preferred to compute UCL95 for skewed data sets which do not follow a gamma distribution.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)

and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

NICKEL

General Statistics

Number of Valid Observations	11	Number of Distinct Observations	10
Number of Missing Values	28		

Raw Statistics		**Log-transformed Statistics**	
Minimum	5.1	Minimum of Log Data	1.629
Maximum	15	Maximum of Log Data	2.708
Mean	9.145	Mean of log Data	2.161
Median	8.1	SD of log Data	0.338
SD	3.129		
Coefficient of Variation	0.342		
Skewness	0.624		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.942	Shapiro Wilk Test Statistic	0.971
Shapiro Wilk Critical Value	0.85	Shapiro Wilk Critical Value	0.85
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	10.86	95% H-UCL	11.37
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	13.25
95% Adjusted-CLT UCL (Chen-1995)	10.89	97.5% Chebyshev (MVUE) UCL	15.03
95% Modified-t UCL (Johnson-1978)	10.88	99% Chebyshev (MVUE) UCL	18.52
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	7.144	**Data appear Normal at 5% Significance Level**	
Theta Star	1.28		

MLE of Mean	9.145		
MLE of Standard Deviation	3.422		
nu star	157.2		
Approximate Chi Square Value (.05)	129.2	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0278	95% CLT UCL	10.7
Adjusted Chi Square Value	125.1	95% Jackknife UCL	10.86
		95% Standard Bootstrap UCL	10.62
Anderson-Darling Test Statistic	0.246	95% Bootstrap-t UCL	11.25
Anderson-Darling 5% Critical Value	0.729	95% Hall's Bootstrap UCL	10.83
Kolmogorov-Smirnov Test Statistic	0.149	95% Percentile Bootstrap UCL	10.7
Kolmogorov-Smirnov 5% Critical Value	0.255	95% BCA Bootstrap UCL	10.75
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	13.26
		97.5% Chebyshev(Mean, Sd) UCL	15.04
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	18.53
95% Approximate Gamma UCL	11.13		
95% Adjusted Gamma UCL	11.49		
Potential UCL to Use		Use 95% Student's-t UCL	10.86

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

VANADIUM

General Statistics

Number of Valid Observations	11	Number of Distinct Observations	11
Number of Missing Values	28		

Raw Statistics		**Log-transformed Statistics**	
Minimum	13.1	Minimum of Log Data	2.573
Maximum	37.9	Maximum of Log Data	3.635
Mean	21.7	Mean of log Data	3.008
Median	18.7	SD of log Data	0.379
SD	8.987		
Coefficient of Variation	0.414		
Skewness	1.018		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.813	Shapiro Wilk Test Statistic	0.872
Shapiro Wilk Critical Value	0.85	Shapiro Wilk Critical Value	0.85
Data not Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	26.61	95% H-UCL	27.76
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	32.51
95% Adjusted-CLT UCL (Chen-1995)	27.05	97.5% Chebyshev (MVUE) UCL	37.23
95% Modified-t UCL (Johnson-1978)	26.75	99% Chebyshev (MVUE) UCL	46.51

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Gamma Distribution Test		Data Distribution	
k star (bias corrected)	5.414	Data Follow Appr. Gamma Distribution at 5% Significance Level	
Theta Star	4.008		
MLE of Mean	21.7		
MLE of Standard Deviation	9.326		
nu star	119.1		
Approximate Chi Square Value (.05)	94.92	Nonparametric Statistics	
Adjusted Level of Significance	0.0278	95% CLT UCL	26.16
Adjusted Chi Square Value	91.4	95% Jackknife UCL	26.61
		95% Standard Bootstrap UCL	25.92
Anderson-Darling Test Statistic	0.771	95% Bootstrap-t UCL	27.87
Anderson-Darling 5% Critical Value	0.73	95% Hall's Bootstrap UCL	25.58
Kolmogorov-Smirnov Test Statistic	0.244	95% Percentile Bootstrap UCL	26.26
Kolmogorov-Smirnov 5% Critical Value	0.256	95% BCA Bootstrap UCL	26.76
Data follow Appr. Gamma Distribution at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	33.51
		97.5% Chebyshev(Mean, Sd) UCL	38.62
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	48.66
95% Approximate Gamma UCL	27.23		
95% Adjusted Gamma UCL	28.28		
Potential UCL to Use		Use 95% Approximate Gamma UCL	27.23

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.

DIESEL RANGE ORGANICS

General Statistics

Number of Valid Observations	4	Number of Distinct Observations	4
Number of Missing Values	28		

Warning: This data set only has 4 observations!

Data set is too small to compute reliable and meaningful statistics and estimates!

The data set for variable DIESEL RANGE ORGANICS was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!

If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

APPENDIX D-3

SAMPLE CALCULATIONS

CALCULATION WORKSHEET

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INCIDENTAL INGESTION OF SOIL CONSTRUCTION WORKERS		
BASED ON: USEPA, DECEMBER 1989		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

PURPOSE: To estimate intake, carcinogenic and noncarcinogenic risks from incidental ingestion of surface soil at Block E.

EQUATION:

$$IEX = \frac{CS \times IR \times EF \times ED \times FI \times CF}{BW \times AT}$$

Where:

IEX	=	estimated exposure intake (mg/kg/day)
Cs	=	exposure point concentration in soil (mg/kg)
IR	=	incidental ingestion rate (mg/day)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
FI	=	fraction ingested from contaminated source (unitless)
CF	=	conversion factor (1.0E-6 kg/mg)
BW	=	body weight (kg)
AT	=	averaging time (days)
CSFo	=	oral carcinogenic slope factor ($(mg/kg/day)^{-1}$)
RfDo	=	oral noncarcinogenic reference dose (mg/kg/day)

RISKS:

ILCR (Carcinogens) = Intake (mg/kg/day) x CSFo (mg/kg/day)-1
HQ (Noncarcinogens) = Intake (mg/kg/day) / RFDo (mg/kg/day)

ASSUMPTIONS:

Cs	=	36	mg/kg	Chemical: Aroclor-1254
IR	=	480	mg/day	
EF	=	250	days/year	
ED	=	1	years	
FI	=	1		
CF	=	1.0E-06	kg/mg	
BW	=	70	kg	
ATc	=	25550	days	
ATnc	=	365	days	
CSFo	=	2.0E+00	$(mg/kg/day)^{-1}$	
RfDo	=	2.0E-05	(mg/kg/day)	

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INCIDENTAL INGESTION OF SOIL CONSTRUCTION WORKERS		
BASED ON: USEPA, DECEMBER 1989		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

EXAMPLE CARCINOGENIC CALCULATION

$$IEXc = \frac{36\ mg/kg \times 480\ mg/day \times 250\ days/year \times 1\ years \times 1 \times 1.0E\text{-}06\ kg/mg}{70\ kg \times 25550\ days}$$

IEXc = 2.42E-06 mg/kg/day

ILCR = 2.42E-06 mg/kg/day x 2.00E+00 (mg/kg/day)-1 = Incremental Lifetime Cancer Risk

ILCR = 4.8E-06

EXAMPLE NONCARCINOGENIC CALCULATION

$$IEXnc = \frac{36\ mg/kg \times 480\ mg/day \times 250\ days/year \times 1\ years \times 1 \times 1.0E\text{-}06\ kg/mg}{70\ kg \times 365\ days}$$

IEXnc = 1.69E-04 mg/kg/day

HQ = 1.69E-04 mg/kg/day / 2.00E-05 (mg/kg/day) = Hazard Quotient

HQ = 8.5E+00

CALCULATION WORKSHEET

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM DERMAL CONTACT WITH SOIL CONSTRUCTION WORKERS		
BASED ON: USEPA, JULY 2004		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

PURPOSE: To estimate intake, carcinogenic and noncarcinogenic risks from dermal contact with surface soil at Block E.

EQUATION:

$$DEX = \frac{Cs \times CF \times SA \times AF \times ABS \times EF \times ED}{BW \times AT}$$

Where:

DEX	=	estimated exposure intake (mg/kg/day)
Cs	=	exposure point concentration in soil (mg/kg)
CF	=	conversion factor (1.0E-6 kg/mg)
SA	=	skin surface available for contact (cm^2/day)
ABS	=	absorption factor (unitless)
AF	=	adherence factor (mg/cm^2)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
BW	=	body weight (kg)
AT	=	averaging time (days)
CSFd	=	dermal carcinogenic slope factor ($(mg/kg/day)^{-1}$)
RfDd	=	dermal noncarcinogenic reference dose (mg/kg/day)

RISKS:

ILCR (Carcinogens) = Intake (mg/kg/day) x CSFd (mg/kg/day)-1
HQ (Noncarcinogens) = Intake (mg/kg/day) / RFDd (mg/kg/day)

ASSUMPTIONS:

Cs	=	36	mg/kg	Chemical: Aroclor-1254
CF	=	1.0E-06	kg/mg	
SA	=	3280	cm^2/day	
AF	=	0.3	mg/cm^2	
ABS	=	0.14		
EF	=	250	days/year	
ED	=	1	years	
BW	=	70	kg	
ATc	=	25550	days	
ATnc	=	365	days	
CSFd	=	2.0E+00	$(mg/kg/day)^{-1}$	
RfDd	=	2.0E-05	(mg/kg/day)	

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM DERMAL CONTACT WITH SOIL CONSTRUCTION WORKERS		
BASED ON: USEPA, JULY 2004		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

EXAMPLE CARCINOGENIC CALCULATION

$$DEXc = \frac{36\ mg/kg \times 1.0E\text{-}06\ kg/mg \times 3280\ cm2/day \times 0.3\ mg/cm2 \times 0.14 \times 250\ days/year \times 1\ years}{70\ kg \times 25550\ days}$$

DEXc = 6.93E-07 mg/kg/day

ILCR = 6.93E-07 mg/kg/day x 2.00E+00 (mg/kg/day)-1 = Incremental Lifetime Cancer Risk

ILCR = 1.4E-06

EXAMPLE NONCARCINOGENIC CALCULATION

$$DEXnc = \frac{36\ mg/kg \times 1.0E\text{-}06\ kg/mg \times 3280\ cm2/day \times 0.3\ mg/cm2 \times 0.14 \times 250\ days/year \times 1\ years}{70\ kg \times 365\ days}$$

DEXnc = 4.85E-05 mg/kg/day

HQ = 4.85E-05 mg/kg/day / 2.00E-05 (mg/kg/day) = Hazard Quotient

HQ = 2.4E+00

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF PARTICUALATE EMISSION FACTOR FOR CONSTRUCTION WORKERS		
BASED ON: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites (USEPA, December 2002)		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

Equation 5-5
Derivation of the Particulate Emission Factor
Construction Scenario - Construction Worker

$$PEF_{sc} = Q/C_{sr} \times \frac{1}{F_D} \times \left[\frac{T \times A_R}{556 \times (W/3)^{0.4} \times \frac{(365d/yr - p)}{365d/yr} \times \Sigma VKT} \right]$$

Parameter/Definition (units)	Default
PEF_{sc}/subchronic road particulate emission factor (m^3/kg)	site-specific
Q/C_{sr}/ inverse of the ratio of the 1-h geometric mean air concentration to the emission flux along a straight road segment bisecting a square site (g/m^2-s per kg/m^3)	23.02[a] (Equation 5-6)
F_D/dispersion correction factor (unitless)	0.185 (Appendix E)
T/total time over which construction occurs (s)	site-specific
A_R/surface area of contaminated road segment (m^2) L_R/length of road segment (ft) W_R/width of road segment (ft)	274.213 ($A_R = L_R \times W_R \times 0.092903 m^2/ft^2$)
W/mean vehicle weight (tons)	site-specific
p/number of days with at least 0.01 inches of precipitation (days/year)	site-specific (Exhibit 5-2)
ΣVKT/sum of fleet vehicle kilometers traveled during the exposure duration (km)	site-specific

[a] Assumes a 0.5 acre site

Calculation of PEF for Construction Workers

Q/C	23.02	$(g/m^2$-s per $kg/m^3)$	
Fd	0.185	dispersion correction factor (unitless)	
T	7.20E+06	sec	3600 sec/hr x 8hr/day x 250 days/yr
Area (A)	274.213	m^2	
W	8	tons	
p	140	day/year	
VKT	337.5	km	30 vehicles x 0.045 km/day x 250 days

PEF = 1.43E+06 m^3/kg

CALCULATION WORKSHEET

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INHALATION OF FUGITIVE DUST EMISSIONS CONSTRUCTION WORKERS		
BASED ON: USEPA, JANUARY 2009		
BY: L.CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

PURPOSE: To estimate intake, carcinogenic and noncarcinogenic risks from inhalation of subsurface soil at Block F.

EQUATION:

$$EC = \frac{Ca \times ET \times EF \times ED}{AT \times 24\ hours/day}$$

Where:

EC	=	exposure concentration (mg/m^3)
Ca	=	exposure point concentration in air (mg/m^3)
	=	Cs x [1/PEF + 1/VF]
Cs	=	exposure point concentration in soil (mg/kg)
PEF	=	particulate emission factor (m^3/kg)
ET	=	exposure time (hrs/day)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
AT	=	averaging time (hours)
IURi	=	inhalation unit risk ($(ug/m^3)^{-1}$)
RfCi	=	inhalation reference concentration (mg/m^3)

RISKS:

ILCR (Carcinogens) = Exposure Concentration (mg/m^3) x IURi $(ug/m^3)^{-1}$ x 1000 ug/mg

HQ (Noncarcinogens) = Exposure Concentration (mg/m^3) / RfCi (mg/m^3)

ASSUMPTIONS:

Cs	=	159	mg/kg	Chemical: Naphthalene
PEF	=	1.43E+06	m3/kg	
VF	=	5.42E+02	m3/kg	
Ca	=	2.94E-01	mg/m3	
ET	=	8	hours	
EF	=	250	days/year	
ED	=	1	years	
ATc	=	25550	days	
ATnc	=	365	days	
IURi	=	3.4E-05	$(ug/m3)^{-1}$	
RfCi	=	3.0E-03	(mg/m3)	

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INHALATION OF FUGITIVE DUST EMISSIONS CONSTRUCTION WORKERS		
BASED ON: USEPA, JANUARY 2009		
BY: L.CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

EXAMPLE CARCINOGENIC CALCULATION

$$ECc = \frac{2.94E\text{-}01\ mg/m3 \times 8\ hours \times 250\ days/year \times 1\ years}{25550\ days \times 24\ hours/day}$$

ECc = 9.59E-04 mg/m3

ILCR = 9.59E-04 mg/m3 x 3.40E-05 (ug/m3)-1 x 1000 ug/mg = Incremental Lifetime Cancer Risk

ILCR = 3.3E-05

EXAMPLE NONCARCINOGENIC CALCULATION

$$ECnc = \frac{2.94E\text{-}01\ mg/m3 \times 8\ hours \times 250\ days/year \times 1\ years}{365\ days \times 24\ hours/day}$$

ECnc = 6.71E-02 mg/m3

HQ = 6.71E-02 mg/m3 / 3.00E-03 (mg/m3) = Hazard Quotient

HQ **2.2E+01**

CALCULATION WORKSHEET

CLIENT: LOCKHEED MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INCIDENTAL INGESTION OF SOIL FOR MUTAGENIC CHEMICALS - HYPOTHETICAL CHILD RESIDENTS EXPOSED TO FUTURE SUBSURFACE SOIL		
BASED ON: U.S. EPA, DECEMBER 1989		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

PURPOSE: To estimate intake and cancer risks for mutagenic chemicals from incidental ingestion of subsurface soil at Block E.

EQUATION:

$$IEX = \frac{CS \times IR \times EF \times ED \times FI \times CF}{BW \times AT} \times ADAF$$

Where:

IEX	=	estimated exposure intake (mg/kg/day)
Cs	=	exposure point concentration in soil (mg/kg)
IR	=	incidental ingestion rate (mg/day)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
FI	=	fraction ingested from contaminated source (unitless)
CF	=	conversion factor (1.0E-6 kg/mg)
BW	=	body weight (kg)
AT	=	averaging time (days)
ADAF	=	age-dependent adjustment factor
CSFo	=	oral carcinogenic slope factor ($(mg/kg/day)^{-1}$)

RISKS:

ILCR (Carcinogens) = Intake (mg/kg/day) x CSFo (mg/kg/day)-1

ASSUMPTIONS:

Cs	=	1.7	mg/kg	Chemical: Benzo(a)pyrene Equivalents
IR	=	200	mg/day	
EF	=	350	days/year	
ED_1	=	2	years	
ED_2	=	4	years	
FI	=	1		
CF	=	1.0E-06	kg/mg	
BW	=	15	kg	
AT	=	25550	days	
CSFo	=	7.3E+00	$(mg/kg/day)^{-1}$	
$ADAF_1$	=	10		
$ADAF_2$	=	3		

CLIENT: LOCKHEED MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INCIDENTAL INGESTION OF SOIL FOR MUTAGENIC CHEMICALS - HYPOTHETICAL CHILD RESIDENTS EXPOSED TO FUTURE SUBSURFACE SOIL		
BASED ON: U.S. EPA, DECEMBER 1989		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

EXAMPLE CARCINOGENIC CALCULATION

$$IEX_1 = \frac{1.7 \text{ mg/kg} \times 200 \text{ mg/day} \times 350 \text{ days/year} \times 2 \text{ years} \times 1 \times 1.0E\text{-}06 \text{ kg/mg}}{15 \text{ kg} \times 25550 \text{ days}} \times 10$$

IEX_1 = 6.21E-06 mg/kg/day

$$IEX_2 = \frac{1.7 \text{ mg/kg} \times 200 \text{ mg/day} \times 350 \text{ days/year} \times 4 \text{ years} \times 1 \times 1.0E\text{-}06 \text{ kg/mg}}{15 \text{ kg} \times 25550 \text{ days}} \times 3$$

IEX_2 = 3.73E-06 mg/kg/day

ILCR = (6.21E-06 mg/kg/day + 3.73E-06 mg/kg/day) x 7.30E+00 (mg/kg/day)-1

ILCR = 7.3E-05

CALCULATION WORKSHEET

CLIENT: LOCKHEED MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM DERMAL CONTACT WITH SOIL FOR MUTAGENIC CHEMICALS HYPOTHETICAL CHILD RESIDENTS EXPOSED TO FUTURE SUBSURFACE SOIL		
BASED ON: U.S. EPA, JULY 2004		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

PURPOSE: To estimate intake and cancer risks for mutagenic chemicals from dermal contact with subsurface soil at Block E.

EQUATION:

$$DEX = \frac{Cs \times CF \times SA \times AF \times ABS \times EF \times ED}{BW \times AT} \times ADAF$$

Where:

DEX	=	estimated exposure intake (mg/kg/day)
Cs	=	exposure point concentration in soil (mg/kg)
CF	=	conversion factor (1.0E-6 kg/mg)
SA	=	skin surface available for contact (cm^2/day)
ABS	=	absorption factor (unitless)
AF	=	adherence factor (mg/cm^2)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
BW	=	body weight (kg)
AT	=	averaging time (days)
ADAF	=	age-dependent adjustment factor
CSFd	=	dermal carcinogenic slope factor ($(mg/kg/day)^{-1}$)

RISKS:

ILCR (Carcinogens) = Intake (mg/kg/day) x CSFd (mg/kg/day)-1

ASSUMPTIONS:

Cs	=	1.7	mg/kg	Chemical: Benzo(a)pyrene Equivalents
CF	=	1.0E-06	kg/mg	
SA	=	2800	cm^2/day	
AF	=	0.2	mg/cm^2	
ABS	=	0.13		
EF	=	350	days/year	
ED_1	=	2	years	
ED_2	=	4	years	
BW	=	15	kg	
AT	=	25550	days	
CSFd	=	7.3E+00	$(mg/kg/day)^{-1}$	
$ADAF_1$	=	10		
$ADAF_2$	=	3		

CLIENT: LOCKHEED MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM DERMAL CONTACT WITH SOIL FOR MUTAGENIC CHEMICALS HYPOTHETICAL CHILD RESIDENTS EXPOSED TO FUTURE SUBSURFACE SOIL		
BASED ON: U.S. EPA, JULY 2004		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

EXAMPLE CARCINOGENIC CALCULATION

$$DEXc = \frac{1.7\ mg/kg \times 1.0E\text{-}06\ kg/mg \times 2800\ cm2/day \times 0.2\ mg/cm2 \times 0.13 \times 350\ days/year \times 2\ years}{15\ kg \times 25550\ days} \times 10$$

DEXc = 2.26E-06 mg/kg/day

$$DEXc = \frac{1.7\ mg/kg \times 1.0E\text{-}06\ kg/mg \times 2800\ cm2/day \times 0.2\ mg/cm2 \times 0.13 \times 350\ days/year \times 4\ years}{15\ kg \times 25550\ days} \times 3$$

DEXc = 1.36E-06 mg/kg/day

ILCR = (2.26E-06 mg/kg/day + 1.36E-06 mg/kg/day) x 7.30E+00 (mg/kg/day)-1

ILCR = 2.6E-05

CLIENT: LOCKHEED MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INCIDENTAL INGESTION OF SOIL FOR MUTAGENIC CHEMICALS - HYPOTHETICAL ADULT RESIDENTS EXPOSED TO SUBSURFACE SOIL		
BASED ON: U.S. EPA, DECEMBER 1989		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

PURPOSE: To estimate intake and cancer risks for mutagenic chemicals from incidental ingestion of subsurface soil at Block E.

EQUATION:

$$IEX = \frac{CS \times IR \times EF \times ED \times FI \times CF}{BW \times AT} \times ADAF$$

Where:

IEX	=	estimated exposure intake (mg/kg/day)
Cs	=	exposure point concentration in soil (mg/kg)
IR	=	incidental ingestion rate (mg/day)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
FI	=	fraction ingested from contaminated source (unitless)
CF	=	conversion factor (1.0E-6 kg/mg)
BW	=	body weight (kg)
AT	=	averaging time (days)
ADAF	=	age-dependent adjustment factor
CSFo	=	oral carcinogenic slope factor ($(mg/kg/day)^{-1}$)

RISKS:

ILCR (Carcinogens) = Intake (mg/kg/day) x CSFo (mg/kg/day)-1

ASSUMPTIONS:

Cs	=	1.7	mg/kg	Chemical: Benzo(a)pyrene Equivalents
IR	=	100	mg/day	
EF	=	350	days/year	
ED	=	12	years	
FI	=	1		
CF	=	1.0E-06	kg/mg	
BW	=	70	kg	
AT	=	25550	days	
CSFo	=	7.3E+00	$(mg/kg/day)^{-1}$	
ADAF	=	1		

CLIENT: LOCKHEED MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INCIDENTAL INGESTION OF SOIL FOR MUTAGENIC CHEMICALS - HYPOTHETICAL ADULT RESIDENTS EXPOSED TO SUBSURFACE SOIL		
BASED ON: U.S. EPA, DECEMBER 1989		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

EXAMPLE CARCINOGENIC CALCULATION

$$IEX_2 = \frac{1.7 \text{ mg/kg} \times 100 \text{ mg/day} \times 350 \text{ days/year} \times 12 \text{ years} \times 1 \times 1.0E\text{-}06 \text{ kg/mg}}{70 \text{ kg} \times 25550 \text{ days}} \times 1$$

IEX_2 = 3.99E-07 mg/kg/day

ILCR = (0.00E+00 mg/kg/day + 3.99E-07 mg/kg/day) x 7.30E+00 (mg/kg/day)-1

ILCR = 2.9E-06

CALCULATION WORKSHEET

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM DERMAL CONTACT WITH SOIL FOR MUTAGENIC CHEMICALS HYPOTHETICAL ADULT RESIDENTS EXPOSED TO FUTURE SURFACE SOIL		
BASED ON: U.S. EPA, JULY 2004		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

PURPOSE: To estimate intake and cancer risks for mutagenic chemicals from dermal contact with subsurface soil at Block E.

EQUATION:

$$DEX = \frac{Cs \times CF \times SA \times AF \times ABS \times EF \times ED}{BW \times AT} \times ADAF$$

Where:

DEX	=	estimated exposure intake (mg/kg/day)
Cs	=	exposure point concentration in soil (mg/kg)
CF	=	conversion factor (1.0E-6 kg/mg)
SA	=	skin surface available for contact (cm^2/day)
ABS	=	absorption factor (unitless)
AF	=	adherence factor (mg/cm^2)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
BW	=	body weight (kg)
AT	=	averaging time (days)
ADAF	=	age-dependent adjustment factor
CSFd	=	dermal carcinogenic slope factor ($(mg/kg/day)^{-1}$)

RISKS:

ILCR (Carcinogens) = Intake (mg/kg/day) x CSFd (mg/kg/day)-1

ASSUMPTIONS:

Cs	=	1.7	mg/kg	Chemical: Benzo(a)pyrene Equivalents
CF	=	1.0E-06	kg/mg	
SA	=	5700	cm^2/day	
AF	=	0.07	mg/cm^2	
ABS	=	0.13		
EF	=	350	days/year	
ED	=	12	years	
BW	=	70	kg	
AT	=	25550	days	
CSFd	=	7.3E+00	$(mg/kg/day)^{-1}$	
ADAF	=	1		

CLIENT: LOCKHEED MARTIN, MRC, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 112IC03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM DERMAL CONTACT WITH SOIL FOR MUTAGENIC CHEMICALS HYPOTHETICAL ADULT RESIDENTS EXPOSED TO FUTURE SURFACE SOIL		
BASED ON: U.S. EPA, JULY 2004		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 01/04/11

EXAMPLE CARCINOGENIC CALCULATION

$$DEXc = \frac{1.7\ mg/kg \times 1.0E\text{-}06\ kg/mg \times 5700\ cm2/day \times 0.07\ mg/cm2 \times 0.13 \times 350\ days/year \times 12\ years}{70\ kg \times 25550\ days} \times 1$$

DEXc = 2.07E-07 mg/kg/day

$$DEXc = \frac{1.7\ mg/kg \times 1.0E\text{-}06\ kg/mg \times 5700\ cm2/day \times 0.07\ mg/cm2 \times 0.13 \times 350\ days/year \times 0\ years}{70\ kg \times 25550\ days} \times 1$$

DEXc = 0.00E+00 mg/kg/day

ILCR = (2.07E-07 mg/kg/day + 0.00E+00 mg/kg/day) x 7.30E+00 (mg/kg/day)-1

ILCR = 1.5E-06

CALCULATION WORKSHEET

CLIENT: LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND		**JOB NUMBER:** 03214
SUBJECT: ESTIMATION OF AMBIENT AIR CONCENTRATIONS RESULTING FROM FUGITIVE DUST EMISSIONS AND VOLATILIZATION FROM SOIL FOR CONSTRUCTION WORKERS		
BASED ON: U.S. EPA 2002		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 2/8/2011

PURPOSE: To calculate ambient air concentrations resulting from fugitive dust and volatilization from soil at Block F.

RELEVANT EQUATIONS:

$$Cair = Cs \times (1/PEF + 1/VF)$$

$$VF = \frac{Q/C \times (3.14 \times DA \times T)^{1/2} \times 10^{-4}\ m^2/cm^2}{2 \times pb \times DA} \times \frac{1}{F_D}$$

$$DA = \frac{(\theta a^{10/3} \times Di \times H + \theta w^{10/3} \times Dw)/\theta_T^{\,2}}{pb \times Kd + \theta w + \theta a \times H}$$

$$Csat = S/pb \times (Kd \times pb + \theta w + H \times \theta a)$$

Where:

Cair	=	Chemical concentration in air (mg/m^3)
Cs	=	Chemical concentration in soil (mg/kg)
PEF	=	Particulate emission factor (m^3/kg)
VF_{sc}	=	Subchronic volatilization factor (m^3/kg)
Q/C_{sa}	=	Inverse of mean conc. at center of source (g/m^2-s per kg/m^3).
F_D	=	Dispersion correction factor (unitless)
T	=	Total time over which construction occurs (seconds).
pb	=	Dry soil bulk density (g/cm^3).
ps	=	soil particle density (g/cm^3).
n	=	Total soil porosity (Lpore/Lsoil).
θw	=	Water-filled soil porosity (Lpore/Lsoil).
θa	=	Air-filled soil porosity (Lair/Lsoil).
Di	=	Diffusivity in air (cm^2/sec).
H	=	Dimensionless Henry's Law Constant.
S	=	Solubility limit (mg/L)
Dw	=	Diffusivity in water (cm^2/sec).
DA	=	Apparent diffusivity (cm^2/sec).
Kd	=	Soil-water partition coefficient (cm^3/g).
Koc	=	Soil organic carbon partition coefficient (cm^3/g).
foc	=	Fraction organic carbon in soil (g/g).

CLIENT: LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND		JOB NUMBER: 03214
SUBJECT: ESTIMATION OF AMBIENT AIR CONCENTRATIONS RESULTING FROM FUGITIVE DUST EMISSIONS AND VOLATILIZATION FROM SOIL FOR CONSTRUCTION WORKERS		
BASED ON: U.S. EPA 2002		
BY: L. CIOFANI	CHECKED BY:	DATE: 2/8/2011

ASSUMPTIONS:

Cs	=	159	mg/kg	Chemical: Naphthalene
PEF	=	1.43E+06	m3/kg	
Q/C	=	14.31	g/m2-s per kg/m3	
F_D	=	0.185		
T	=	3.15E+07	sec	
pb	=	1.5	g/cm3	
ps	=	2.65	g/cm3	
θ_T	=	0.434	Lpore/Lsoil	
θw	=	0.15	Lpore/Lsoil	
θa	=	0.284	Lair/Lsoil	
Di	=	6.00E-02	cm2/sec	
H	=	1.80E-02	Uniltess	
S	=	3.10E+01	mg/L	
Dw	=	8.40E-06	cm2/sec	
Koc	=	1.54E+03	cm3/g	
foc	=	0.006	g/g	
Kd	=	9.264	cm3/g	

EXAMPLE CALCULATIONS

$$DA = \frac{[(0.284^{10/3}) \times (0.06\ cm2/sec) \times (1.80E\text{-}02) + (0.15^{10/3}) \times (8.40E\text{-}06\ cm2/sec)]/(0.434^2)}{(1.5\ g/cm3 \times 9.264\ cm3/g) + (0.15 + 0.284 \times 0.018)}$$

DA = 6.15E-06 cm^2/sec ✓

$$VF = \frac{(14.31\ g/m2\text{-}s\ per\ kg/m3) \times [(3.14) \times (6.15E\text{-}06\ cm2/sec) \times (3.15E+07\ sec)]^{1/2} \times (1E\text{-}4\ m2/cm2)}{2 \times 1.5 g/cm3 \times 6.15E\text{-}06\ cm2/sec} \times \frac{1}{0.185}$$

VF = 1.03E+04 m^3/kg ✓

Csat = (3.10E+01 mg/L)/(1.5 g/cm3) x [(9.264 cm3/g) x (1.5 g/cm3) + (0.15 + 1.80E-02 x 0.284)]

Csat = 2.90E+02 mg/kg ✓

Csat is greater than Cs, therfore use Cs in calculation of air concentration.

Cair = 159 mg/kg x [(1/1.43E+06 m3/kg) + (1/1.03E+04 m3/kg)]

Cair = 1.55E-02 mg/m^3 ✓

CALCULATION WORKSHEET

CLIENT: LOCKHEED MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MD		**JOB NUMBER:** 03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INHALATION OF FUGATIVE DUST EMISSIONS FOR MUTAGENIC CHEMICALS - HYPOTHETICAL ADULT RESIDENTS		
BASED ON: USEPA, DECEMBER 1989, MARCH 2005		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 3/8/2011

PURPOSE: To estimate intake, carcinogenic risks for mutagenic chemicals from inhalation of surface soil at Block E.

EQUATION:

$$EC = \frac{Ca \times ET \times EF \times ED}{AT \times 24\ hours/day} \times ADAF$$

Where:

EC	=	estimated exposure intake (mg/kg/day)
Ca	=	exposure point concentration in air (mg/m3)
	=	Cs x 1/PEF
Cs	=	exposure point concentration in soil (mg/kg)
PEF	=	particulate emission factor (m3/kg)
IR	=	inhlation rate (m3/hr)
ET	=	exposure time (hrs/day)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
BW	=	body weight (kg)
AT	=	averaging time (days)
ADAF	=	age-dependent adjustment factor
IURi	=	inhalation unit risk($(ug/mg)^{-1}$)

RISKS:

ILCR = Exposure concentration (mg/m3) x IUR (ug/m3)-1 x 1000 ug/mg

ASSUMPTIONS:

Cs	=	1.5	mg/kg	Chemical: Benzo(a)pyrene
PEF	=	3.23E+09	m3/kg	
Ca	=	4.64E-10	mg/m3	
ET	=	24	hr/day	
EF	=	350	days/year	
ED	=	12	years	
ATc	=	25550	days	
IUR	=	1.1E-03	$(ug/m3)^{-1}$	
ADAF	=	1		

CLIENT: LOCKHEED MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MD		**JOB NUMBER:** 03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INHALATION OF FUGATIVE DUST EMISSIONS FOR MUTAGENIC CHEMICALS - HYPOTHETICAL ADULT RESIDENTS		
BASED ON: USEPA, DECEMBER 1989, MARCH 2005		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 3/8/2011

EXAMPLE CARCINOGENIC CALCULATION

$$EC = \frac{4.64E\text{-}10\ mg/m3 \times 24\ hr/day \times 350\ days/year \times 12\ years}{25550\ days \times 24\ hours/day} \times 1$$

EC = 7.63E-11 mg/m3 ✓

ILCR = (7.63E-11 mg/m3) x 1.10E-03 (ug/m3)-1 x 1000 ug/mg

ILCR = 8.4E-11 ✓

CALCULATION WORKSHEET

CLIENT: LOCKHEED MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MD		**JOB NUMBER:** 03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INHALATION OF FUGATIVE DUST EMISSIONS FOR MUTAGENIC CHEMICALS - HYPOTHETICAL CHILD RESIDENTS		
BASED ON: USEPA, DECEMBER 1989, MARCH 2005		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 3/8/2011

PURPOSE: To estimate intake, carcinogenic risks for mutagenic chemicals from inhalation of surface soil at Block E.

EQUATION:

$$EC = \frac{Ca \times ET \times EF \times ED}{AT \times 24\ hours/day} \times ADAF$$

Where:

EC	=	estimated exposure concentration (mg/m3)
Ca	=	exposure point concentration in air (mg/m3)
	=	Cs x 1/PEF
Cs	=	exposure point concentration in soil (mg/kg)
PEF	=	particulate emission factor (m3/kg)
ET	=	exposure time (hrs/day)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
AT	=	averaging time (days)
ADAF	=	age-dependent adjustment factor
IUR	=	inhalation unit risk($(ug/mg)^{-1}$)

RISKS:

ILCR = Exposure concentration (mg/m3) x IURi (ug/m3)-1 x 1000 ug/mg

ASSUMPTIONS:

Cs	=	1.5	mg/kg	Chemical: Benzo(a)pyrene
PEF	=	3.23E+09	m3/kg	
Ca	=	4.64E-10	mg/m3	
ET	=	24	hr/day	
EF	=	350	days/year	
ED_1	=	2	years	
ED_2	=	4	years	
ATc	=	25550	days	
IUR	=	1.1E-03	$(ug/m3)^{-1}$	
$ADAF_1$	=	10		
$ADAF_2$	=	3		

CLIENT: LOCKHEED MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MD		**JOB NUMBER:** 03214
SUBJECT: CALCULATION OF INTAKE/RISK FROM INHALATION OF FUGATIVE DUST EMISSIONS FOR MUTAGENIC CHEMICALS - HYPOTHETICAL CHILD RESIDENTS		
BASED ON: USEPA, DECEMBER 1989, MARCH 2005		
BY: L. CIOFANI	**CHECKED BY:**	**DATE:** 3/8/2011

EXAMPLE CARCINOGENIC CALCULATION

$$EC = \frac{4.64E\text{-}10\ mg/m3 \times 24\ hr/day \times 350\ days/year \times 2\ years}{25550\ days \times 24\ hours/day} \times 10$$

EC = 1.27E-10 mg/m3 ✓

$$EC = \frac{4.64E\text{-}10\ mg/m3 \times 24\ hr/day \times 350\ days/year \times 4\ years}{25550\ days \times 24\ hours/day} \times 3$$

EC = 7.63E-11 mg/m3 ✓

ILCR = (1.27E-10 mg/m3 + 7.63E-11 mg/m3) x 1.10E-03 (ug/m3)-1 x 1000 ug/mg

ILCR = 2.2E-10 ✓

APPENDIX D-4

HISTORICAL FILTERED GROUNDWATER SAMPLES

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW35A-072308	MRC-MW39A-072308	MRC-MW40A-072208	MRC-MW30A-072908	MRC-MW31A-072908	MRC-MW32A-072808	MRC-MW34A-072808
LABORATORY ID:	A8G240158005	A8G240158009	A8G230110006	A8G300192019	A8G300192017	A8G300192003	A8G300192005
SAMPLE DATE:	7/23/2008	7/23/2008	7/22/2008	7/29/2008	7/29/2008	7/28/2008	7/28/2008
LOCATION:	MW35A	MW39A	MW40A	MW30A	MW31A	MW32A	MW34A
BLOCK:	D	D	D	E	E	E	E
INORGANICS (ug/L)							
ANTIMONY	0.72	2 U	2 U	1.1	0.035 U	0.035 U	0.035 U
ARSENIC	36	1.6	0.18 B	0.97	0.6	0.32	0.13 U
BARIUM	71.6	37.9	25.4	147	109	31.6	49.3
BERYLLIUM	0.022 B	0.18	4.4	0.27	8.6	1.6	0.037
CADMIUM	1 U	1 U	0.04 B	0.032 B	0.056 B	0.029 B	0.029 B
CHROMIUM	1.5	0.15	1.5	1.6	1.1	0.069 U	0.5
COBALT	3.7	5	21.2	1.9	59.2	5.6	0.77
COPPER	0.3	0.11 B	7	1.8 K	36.8	5.1	0.35 B
IRON	76500	21300	97.7	1.1 U	642	63.5 B	36.1 B
LEAD	0.23 B	0.021 B	0.093 B	0.053 B	0.79 B	0.21 B	0.1 B
MANGANESE	332	180	37.5	9.1 B	31.2	2.8 B	2.3 B
MERCURY	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.34 B	2 U	2 U	0.48 B	0.12 U	0.12 U	0.12 U
NICKEL	0.65	6.2	29.2	6.4	122	8.8	0.77 B
SELENIUM	0.52 B	5 U	5 U	1.6	0.48 B	0.24 B	2.1
SILVER	1 U	1 U	0.008 B	0.0026 U	0.009 B	0.0026 U	0.0026 U
THALLIUM	1 U	1 U	1 U	0.11 U	0.11 U	0.11 U	0.11 U
VANADIUM	1.8 B	20 U	0.56	20	2.2	1.9	0.46 U
ZINC	4.2 B	4.3 B	63.9	29.7	128	17.9 B	2.3 B

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW35A-072308	MRC-MW39A-072308	MRC-MW40A-072208	MRC-MW30A-072908	MRC-MW31A-072908	MRC-MW32A-072808	MRC-MW34A-072808
LABORATORY ID:	A8G240158005	A8G240158009	A8G230110006	A8G300192019	A8G300192017	A8G300192003	A8G300192005
SAMPLE DATE:	7/23/2008	7/23/2008	7/22/2008	7/29/2008	7/29/2008	7/28/2008	7/28/2008
LOCATION:	MW35A	MW39A	MW40A	MW30A	MW31A	MW32A	MW34A
INORGANICS FILTERED (ug/L)							
ANTIMONY	0.63	2 U	0.12 B	1	0.035 U	0.035 U	0.035 U
ARSENIC	37	1.8	5 U	0.99	0.68	0.24	0.13 U
BARIUM	73.9	38.3	26.3	146	112	31.5	49.8
BERYLLIUM	0.023 B	0.15	4.4	0.22	8.3	1.5	0.056
CADMIUM	1 U	1 U	0.059 B	0.036 B	0.038 B	0.017 B	0.034 B
CHROMIUM	1.5	0.2	1.4	1.5	0.92	0.069 U	0.91
COBALT	3.9	5	21.7	1.8	59.1	5.7	0.74
COPPER	0.1 B	2 U	7.5	1.9 K	36.9	5.1	0.32 B
IRON	80000	20700	7.6 B	1.1 U	534	1.1 U	1.1 U
LEAD	0.45 B	0.026 B	0.12 B	0.023 B	0.76 B	0.18 B	0.074 B
MANGANESE	303	190	33.6	6.2 B	30.8	2.6 B	2.2 B
MERCURY	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.23 B	0.19 B	0.16 B	0.54 B	0.12 U	0.12 U	0.12 U
NICKEL	0.51	6.5	29	6.5	123	8.6	0.91 B
SELENIUM	0.46 B	5 U	5 U	1.5	0.55 B	0.24 B	2.1
SILVER	1 U	1 U	0.046 B	0.0026 U	0.0026 U	0.0026 U	0.0026 U
THALLIUM	1 U	1 U	0.27 B	0.11 U	0.11 U	0.11 U	0.11 U
VANADIUM	1.5 B	20 U	20 U	19.6	2	1.3	0.46 U
ZINC	3.3 B	4.8 B	62.1	31.2	127	17.8 B	2.7 B

Only samples from Blocks D, E, F, G, and H are presented.

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW34B-073108	MRC-MW34C-073108	MRC-MW36A-073108	MRC-MW43A-073108	MRC-MW44A-073108	MRC-MW62A-073108	MRC-MW62C-073108
LABORATORY ID:	A8H010122003	A8H010122006	A8H010122007	A8H010122012	A8H010122009	A8H010122010	A8H010122013
SAMPLE DATE:	7/31/2008	7/31/2008	7/31/2008	7/31/2008	7/31/2008	7/31/2008	7/31/2008
LOCATION:	MW34B	MW34C	MW36A	MW43A	MW44A	MW62A	MW62C
BLOCK:	E	E	E	E	E	E	E
INORGANICS (ug/L)							
ANTIMONY	0.077 B	0.11 B	0.059 B	0.19 B	0.07 B	0.048 B	0.13 B
ARSENIC	0.67 B	0.87 B	0.47 B	0.53 B	3.2 K	1.4 K	1.2 K
BARIUM	148	17.4	25.8	28	91.4	22.2	144
BERYLLIUM	10.4	0.045 B	2.6	1.4 B	0.061 B	5.8	0.095 B
CADMIUM	0.46 B	0.017 B	0.072 B	0.086 B	0.009 B	0.037 B	0.045 B
CHROMIUM	0.34 B	0.8 B	1.4 B	0.76 B	1.5 B	0.28 B	4.7
COBALT	128	0.34 B	30.4	32.4	1	12.8	30.1
COPPER	39.6	0.41 B	2.8 B	0.27 B	0.35 B	0.6 B	0.77 B
IRON	128 B	306	1180	5180	36800	718	22900
LEAD	0.13 B	0.21 B	0.49 B	0.22 B	0.23 B	0.2 B	0.67 B
MANGANESE	473	11.3	43.4	722	449	157	1280
MERCURY	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.12 U	0.12 U	0.12 U	0.12 U	0.14 B	0.12 U	0.12 U
NICKEL	172	1.4 B	41.5	31.4	0.79 B	82.5	49.8
SELENIUM	1.1	0.14 U	0.3 B	0.3 B	0.2 B	0.14 U	0.14 U
SILVER	0.025 B	0.0026 U	0.0026 U	0.059 B	0.005 B	0.012 B	0.021 B
THALLIUM	0.38 B	0.11 U	0.11 U	0.17 B	0.11 U	0.11 U	0.16 B
VANADIUM	1.3	12	2.7	0.68	0.79	0.46 U	0.46 U
ZINC	338	3.6 B	73.6	47.9	83.2	65.6	22.4 B

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW34B-073108	MRC-MW34C-073108	MRC-MW36A-073108	MRC-MW43A-073108	MRC-MW44A-073108	MRC-MW62A-073108	MRC-MW62C-073108
LABORATORY ID:	A8H010122003	A8H010122006	A8H010122007	A8H010122012	A8H010122009	A8H010122010	A8H010122013
SAMPLE DATE:	7/31/2008	7/31/2008	7/31/2008	7/31/2008	7/31/2008	7/31/2008	7/31/2008
LOCATION:	MW34B	MW34C	MW36A	MW43A	MW44A	MW62A	MW62C
INORGANICS FILTERED (ug/L)							
ANTIMONY	0.068 B	0.094 B	0.055 B	0.13 B	0.041 B	0.036 B	0.12 B
ARSENIC	0.72 B	0.88 B	0.44 B	0.64 B	3.2 B	1.4 B	0.58 B
BARIUM	149	16.7	25.4	28.5	88	21.8	89.8
BERYLLIUM	10.9	0.014 B	2.8	1.3 B	0.053 B	5.5	0.025 B
CADMIUM	0.45 B	0.0061 U	0.093 B	0.062 B	0.0061 UL	0.039 B	0.02 B
CHROMIUM	0.27 B	0.25 B	0.36 B	0.47 B	1.2 B	0.41 B	0.14 B
COBALT	124	0.13 B	33.6	33	1	12.4	14.5
COPPER	39	0.051 U	2 K	0.36 B	0.11 B	0.13 B	0.051 U
IRON	81.6 B	1.1 U	13.6 B	3730	36600	684	10700
LEAD	0.11 B	0.071 B	0.22 B	0.087 B	0.12 B	0.1 B	0.066 B
MANGANESE	452	9.7	49.3	762	426	153	674
MERCURY	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
NICKEL	168	0.64 B	47	30.8	0.78 B	81.6	23.8
SELENIUM	0.87 B	0.19 B	0.24 B	0.16 B	0.17 B	0.14 U	0.14 U
SILVER	0.003 B	0.0026 U	0.0026 U	0.015 B	0.0026 U	0.0026 U	0.019 B
THALLIUM	0.36 B	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
VANADIUM	1.4	10	0.69	1	0.58	0.5	0.46 U
ZINC	340	1.9 B	79.2	46.8	21.4 B	65	4.8 B

Only samples from Blocks D, E, F, G, and H are pre

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW72A-073008	MRC-MW72B-073008	MRC-MW73A-073008	MRC-MW73B-073108	MRC-MW74A-073008	MRC-MW74B-073108	MRC-MW45A-072108
LABORATORY ID:	A8G310150002	A8G310150005	A8G310150007	A8H010122004	A8G310150004	A8H010122011	A8G220182009
SAMPLE DATE:	7/30/2008	7/30/2008	7/30/2008	7/31/2008	7/30/2008	7/31/2008	7/21/2008
LOCATION:	MW72A	MW72B	MW73A	MW73B	MW74A	MW74B	MW45A
BLOCK:	E	E	E	E	E	E	F
INORGANICS (ug/L)							
ANTIMONY	2 U	2 U	2 U	0.07 B	2 U	0.043 B	0.25 B
ARSENIC	0.3	5 U	0.35	0.4 B	0.71	0.46 B	0.6
BARIUM	56.9	11.4	32.6	26.4	46.3	38.2	21.2
BERYLLIUM	0.02 B	0.62	2	1.9	1.4	0.47 B	0.45
CADMIUM	0.02 B	0.012 B	0.35	0.088 B	0.12 B	0.14 B	0.091 B
CHROMIUM	0.27 B	0.25 B	2.2	0.62 B	0.34 B	0.34 B	3.2
COBALT	1.4	8.9	17.2	17.2	31.8	53.7	2.4
COPPER	0.56 B	1.5 B	3.7 B	4.7	5.9	0.67 B	10.4
IRON	218	19.3 B	3170	174	231	195	2420
LEAD	0.14 B	1 U	0.6 B	0.19 B	0.098 B	0.19 B	4.9
MANGANESE	37.1	64.2	114	91	1030	667	73
MERCURY	0.2 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U	0.2 U
MOLYBDENUM	2 U	2 U	2 U	0.12 U	2 U	0.12 U	0.21 B
NICKEL	2.7 L	10.1 L	42.9 L	19.4	10.5 L	29.2	33
SELENIUM	0.5 B	5 U	0.35 B	0.33 B	0.76 B	0.14 U	0.51 B
SILVER	1 U	1 U	1 U	0.0026 U	1 U	0.0026 U	0.033 B
THALLIUM	1 U	1 U	1 U	0.15 B	1 U	0.11 U	1 U
VANADIUM	20 U	20 U	3.1	0.57	20 U	1	4.3
ZINC	8.4 B	20.2 B	64.6	45.1	41.5	626	7560

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW72A-073008	MRC-MW72B-073008	MRC-MW73A-073008	MRC-MW73B-073108	MRC-MW74A-073008	MRC-MW74B-073108	MRC-MW45A-072108
LABORATORY ID:	A8G310150002	A8G310150005	A8G310150007	A8H010122004	A8G310150004	A8H010122011	A8G220182009
SAMPLE DATE:	7/30/2008	7/30/2008	7/30/2008	7/31/2008	7/30/2008	7/31/2008	7/21/2008
LOCATION:	MW72A	MW72B	MW73A	MW73B	MW74A	MW74B	MW45A
INORGANICS FILTERED (ug/L)							
ANTIMONY	2 U	2 U	2 U	0.053 B	2 U	0.035 U	0.17 B
ARSENIC	0.2	0.18	0.27	0.41 B	0.89	0.42 B	0.36
BARIUM	57	12	35.9	25.8	45.4	39.1	15.2
BERYLLIUM	0.017 B	0.6 B	2	1.8	1.4	0.45 B	0.031 B
CADMIUM	0.01 B	0.014 B	0.35	0.061 B	0.1 B	0.11 B	0.12 B
CHROMIUM	0.087 B	0.42 B	0.24 B	0.34 B	0.47 B	0.38 B	0.56 B
COBALT	1.3	8.8	19.5	16.3	30.3	54	1.8
COPPER	0.41 B	1.6 B	2.3 B	4.3	5.5	0.7 B	4.5
IRON	146	50 U	367	14.6 B	332	47.5 B	49.5 B
LEAD	0.054 B	1 U	1 U	0.12 B	0.1 B	0.099 B	0.18 B
MANGANESE	36.4	62.5	121	88.4	1040	689	60.6
MERCURY	0.2 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U	0.2 U
MOLYBDENUM	2 U	2 U	2 U	0.12 U	2 U	0.12 U	0.14 B
NICKEL	2.5	9.9	48.2	18.6	9.8	29.6	32.9
SELENIUM	0.33 B	5 U	0.61 B	0.32 B	0.78 B	0.18 B	0.37 B
SILVER	1 U	1 U	1 U	0.0026 U	1 U	0.0026 U	1 U
THALLIUM	1 U	1 U	1 U	0.11 U	1 U	0.11 U	1 U
VANADIUM	0.55	0.67	20 U	0.46 U	0.88	0.63	0.89 B
ZINC	6.9 B	23.8 B	69.8	38.2	38.8	648	7640

Only samples from Blocks D, E, F, G, and H are pre

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW46a-071708	MRC-MW47A-071808	MRC-MW65A-071708	MRC-MW66A-071708	MRC-MW09A-071508	MRC-MW10A-071508	MRC-MW11A-071508
LABORATORY ID:	A8G180185002	A8G190121003	A8G180185005	A8G180185006	A8G160196008	A8G160196012	A8G170178003
SAMPLE DATE:	7/17/2008	7/18/2008	7/17/2008	7/17/2008	7/15/2008	7/15/2008	7/15/2008
LOCATION:	MW46A	MW47A	MW65A	MW66A	MW09A	MW10A	MW11A
BLOCK:	F	F	F	F	G	G	G
INORGANICS (ug/L)							
ANTIMONY	2.7	0.3 B	0.16 B	0.035 U	0.56	0.2 B	0.12 B
ARSENIC	1.4	13.6	0.34	0.73	2.5	4.2	1.1 K
BARIUM	79.6	216	21.2	85.2	88.7	157	38.7
BERYLLIUM	4.2	0.54	0.041 B	0.25 K	0.12 B	1.3	0.013 B
CADMIUM	0.22 K	0.042 B	0.013 B	0.064 B	0.12 B	0.085 B	0.04 B
CHROMIUM	0.97 B	9.1	0.33 B	0.069 U	3.6	11.8	0.069 U
COBALT	24.8	5	1	6.4	0.57	142	88.6
COPPER	10.9	6.2	0.39 B	0.48 B	2.1 B	8.3	0.21 B
IRON	404	74200	65.3 B	8.7 B	9720	70200	82900
LEAD	0.86	8.1	0.049 B	0.071 B	1 B	6.8	0.071 B
MANGANESE	276	534	3.2	90.7	891	8120	7180
MERCURY	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 B
MOLYBDENUM	0.92	1.1 K	0.12 U	0.12 U	0.59	0.22	0.12 U
NICKEL	30.5	6.8 K	0.88 K	1.9 K	1.6	79.5	30.2 K
SELENIUM	0.3 B	0.91	0.29 B	2.2 L	0.6	0.79	0.14 U
SILVER	0.017 B	0.065 B	0.0026 U	0.017 B	0.0026 U	0.011 B	0.009 B
THALLIUM	0.11 U	0.12 B	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
VANADIUM	2.8 B	15	0.66 B	0.46 U	3.5	17.6	0.46 UL
ZINC	1160	58.8 K	3.6 B	4.6 B	12.6 B	97.4	75.7

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW46a-071708	MRC-MW47A-071808	MRC-MW65A-071708	MRC-MW66A-071708	MRC-MW09A-071508	MRC-MW10A-071508	MRC-MW11A-071508
LABORATORY ID:	A8G180185002	A8G190121003	A8G180185005	A8G180185006	A8G160196008	A8G160196012	A8G170178003
SAMPLE DATE:	7/17/2008	7/18/2008	7/17/2008	7/17/2008	7/15/2008	7/15/2008	7/15/2008
LOCATION:	MW46A	MW47A	MW65A	MW66A	MW09A	MW10A	MW11A
INORGANICS FILTERED (ug/L)							
ANTIMONY	2.7	0.14 B	0.051 B	0.035 U	0.58	0.035 U	0.061 B
ARSENIC	1.2	9.7	0.4	0.8	2.5	1.7 K	1.1 K
BARIUM	80	180	20.8	88.4	94.6	146	40.1
BERYLLIUM	3.7	0.087 B	0.036 B	0.23 K	0.017 B	0.088 B	0.013 B
CADMIUM	0.3 K	0.013 B	0.022 B	0.025 B	0.0061 U	0.0061 U	0.048 B
CHROMIUM	0.2 B	0.64 B	0.2 B	0.069 U	0.54	0.069 U	0.069 U
COBALT	24.2	2.7	0.91	6.7	0.21 B	152	95.4
COPPER	10.3	0.098 K	0.43 B	0.49 B	0.31 B	0.051 U	0.1 B
IRON	5 B	63600	1.1 U	53.5 B	9230	59200	83300
LEAD	0.29	0.033 B	0.018 U	0.052 B	0.039 B	0.052 B	0.018 U
MANGANESE	286	495	2.5 B	95.2	970	8890	7400
MERCURY	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.16 B
MOLYBDENUM	0.77	0.65 B	0.12 U	0.12 U	0.64	0.12 U	0.12 U
NICKEL	28.8	0.95 K	1 K	1.9 K	0.74 B	83.6	33 K
SELENIUM	0.14 B	0.64	0.25 B	2.4 K	0.35	0.14 U	0.14 U
SILVER	0.0026 U	0.014 B	0.0026 U	0.016 B	0.0026 U	0.0026 U	0.0026 U
THALLIUM	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
VANADIUM	2.3 B	1.4 B	0.46 U	0.53 B	1.5	0.46 U	0.46 UL
ZINC	1160	2.7 K	8.3 K	4.4 K	2 B	27.6	68.9

Only samples from Blocks D, E, F, G, and H are pre

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW11C-072508	MRC-MW12A-071808	MRC-MW12b-071708	MRC-MW12C-072408	MRC-MW13A-071808	MRC-MW14A-071608	MRC-MW14B-071608
LABORATORY ID:	A8G260121003	A8G190121002	A8G180185007	A8G250140010	A8G190121005	A8G170178006	A8G170178007
SAMPLE DATE:	7/25/2008	7/18/2008	7/17/2008	7/24/2008	7/18/2008	7/16/2008	7/16/2008
LOCATION:	MW11C	MW12A	MW12b	MW12C	MW13A	MW14A	MW14B
BLOCK:	G	G	G	G	G	G	G
INORGANICS (ug/L)							
ANTIMONY	0.2 J	0.29 B	1.7 B	0.042 B	0.035 U	0.058 B	0.17 B
ARSENIC	1.5	0.78 K	35	0.2 B	1.4	2.1 K	7.6 K
BARIUM	45.9	90.8	357	16.6	140	77	27.8 K
BERYLLIUM	1.2	0.13 B	12.1	0.39	0.029 B	0.079 B	263 L
CADMIUM	0.11 B	0.016 B	0.3 J	0.024 B	0.0061 U	0.024 B	0.78
CHROMIUM	7.6	0.53 K	151	3.2	0.16 B	0.94 K	298
COBALT	23.6	41.7	96.2	6.3	0.58	75.6	926
COPPER	14.5	0.82 K	111	4.4	0.059 B	0.61 B	2850
IRON	6120	36300	162000	2270	1950	64900	270000
LEAD	7.9	0.36 K	94.4	1.4	0.033 B	0.38 B	22.1
MANGANESE	120	2320	2850	46.2	1560	3300	17800
MERCURY	0.2 U	0.1 U	4.6	0.2 U	0.1 U	0.1 U	0.14 B
MOLYBDENUM	0.12 B	0.31 B	2.5 K	2 U	0.15 B	0.12 U	1.7
NICKEL	31.4 L	70.3	233	10.1	0.76	73.5	1700
SELENIUM	0.42 B	0.14 UL	5.7 L	5 U	0.14 U	0.14 U	12
SILVER	0.038 B	0.0026 U	0.3 B	1 U	0.0026 U	0.0026 U	1.1 K
THALLIUM	0.14 B	0.17 B	0.83 B	1 U	0.11 U	0.11 U	1.4
VANADIUM	9.1	1.7 B	218	4.3	0.46 U	0.46 UL	75.2 L
ZINC	79	69.8 K	618	26.2 B	3.9 K	43.6	4900

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW11C-072508	MRC-MW12A-071808	MRC-MW12b-071708	MRC-MW12C-072408	MRC-MW13A-071808	MRC-MW14A-071608	MRC-MW14B-071608
LABORATORY ID:	A8G260121003	A8G190121002	A8G180185007	A8G250140010	A8G190121005	A8G170178006	A8G170178007
SAMPLE DATE:	7/25/2008	7/18/2008	7/17/2008	7/24/2008	7/18/2008	7/16/2008	7/16/2008
LOCATION:	MW11C	MW12A	MW12b	MW12C	MW13A	MW14A	MW14B
INORGANICS FILTERED (ug/L)							
ANTIMONY	0.06 B	0.11 B	0.058 B	2 U	0.035 U	0.04 B	0.054 B
ARSENIC	5 U	1.1 K	1.8	5 U	1.3	1.9 K	5.4 K
BARIUM	9.3	61	84.9	5.8	142	81.7	8.2 K
BERYLLIUM	0.2 B	0.11 B	0.18 K	0.16	0.04 B	0.031 B	290 L
CADMIUM	0.047 B	0.029 B	0.027 B	0.019 B	0.0061 U	0.021 B	0.77
CHROMIUM	0.91 B	0.21 B	1.2 B	2 U	0.069 U	0.069 U	308
COBALT	8	43.7	29	5.2	0.56	63.6	1020
COPPER	2.4 B	0.13 K	1	1.2 B	0.12 B	0.053 B	3160
IRON	527	30900	19700	10.6 B	1840	67700	286000
LEAD	0.86	0.083 B	0.75	0.11 B	0.018 U	0.026 B	18.8
MANGANESE	40.5	2190	2340	30.8	1620	3070	20500
MERCURY	0.2 U	0.1 U	0.14	0.2 U	0.1 U	0.18 B	0.1 U
MOLYBDENUM	2 U	0.2 B	0.12 U	2 U	0.18 B	0.12 U	0.74
NICKEL	10.6	94.4	61.5	8	0.87	61.9	1880
SELENIUM	5 U	0.14 U	0.14 UL	5 U	0.14 U	0.14 U	12.3
SILVER	0.004 B	0.018 B	0.0026 U	1 U	0.0026 U	0.0026 U	1.3 K
THALLIUM	1 U	0.15 B	0.11 U	1 U	0.11 U	0.11 U	0.65 B
VANADIUM	0.91	0.46 U	2.2 B	20 U	0.46 U	0.46 UL	51.6 L
ZINC	26 B	92	109	19.2 B	4.3 K	31.4 K	11700

Only samples from Blocks D, E, F, G, and H are pre

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW14C-072408	MRC-MW15A-071508	MRC-MW16A-071508	MRC-MW54A-071408	MRC-MW63A-071608	MRC-MW70A-080108	MRC-MW70B-080108
LABORATORY ID:	A8G250140005	A8G170178002	A8G160196010	A8G160196007	A8G170178010	A8H020123003	A8H020123004
SAMPLE DATE:	7/24/2008	7/15/2008	7/15/2008	7/15/2008	7/16/2008	8/1/2008	8/1/2008
LOCATION:	MW14C	MW15A	MW16A	MW54A	MW63A	MW70A	MW70B
BLOCK:	G	G	G	G	G	G	G
INORGANICS (ug/L)							
ANTIMONY	0.13 B	0.12 B	0.089 B	0.063 B	0.062 B	0.14 B	0.1 B
ARSENIC	1.4	1.7	0.39	0.13 U	0.13 U	4.2 K	1.5 K
BARIUM	52.7	102	295	24	137	113	288
BERYLLIUM	0.16	0.53 L	7.5	0.31	0.26 L	1	0.048 B
CADMIUM	0.039 B	0.12 B	1.8	0.01 B	0.15 B	0.058 B	0.01 B
CHROMIUM	3.2	0.069 U	1.5	0.18	0.39 K	5.9 K	1.9
COBALT	10.4	66.6	222	0.4 B	187	58.1	0.25 B
COPPER	4.8	0.4 B	6.8	0.23 B	0.33 B	6	0.5 B
IRON	17100	11700	2220	268	15800	63800	595
LEAD	1.7	0.48 B	1 B	0.16 B	0.018 U	2.5	0.44 B
MANGANESE	1170	5640	4360	49.9	1040	2570	10.9
MERCURY	0.2 U	0.1 U	0.1 U	0.2	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.24	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.1 B
NICKEL	17.9	18	266	2.5	276	69.2	2.3 K
SELENIUM	5 U	0.73	0.27	0.14 U	0.14 U	0.57 B	0.14 U
SILVER	0.009 B	0.0026 U	0.021 B	0.0026 U	0.0026 U	0.025 B	0.0026 U
THALLIUM	1 U	0.42 B	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
VANADIUM	4 B	0.46 UL	1.6	0.46 U	0.46 U	11.2	2.6
ZINC	23.2 B	13.4 K	439	3.6 B	153	72.2	90.4

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW14C-072408	MRC-MW15A-071508	MRC-MW16A-071508	MRC-MW54A-071408	MRC-MW63A-071608	MRC-MW70A-080108	MRC-MW70B-080108
LABORATORY ID:	A8G250140005	A8G170178002	A8G160196010	A8G160196007	A8G170178010	A8H020123003	A8H020123004
SAMPLE DATE:	7/24/2008	7/15/2008	7/15/2008	7/15/2008	7/16/2008	8/1/2008	8/1/2008
LOCATION:	MW14C	MW15A	MW16A	MW54A	MW63A	MW70A	MW70B
INORGANICS FILTERED (ug/L)							
ANTIMONY	0.057 B	0.055 B	0.04 B	0.048 B	0.068 B	0.06 B	0.13 B
ARSENIC	0.98	1.1 K	0.21	0.13 U	0.13 U	3.2 K	1.5
BARIUM	52.6	99.4	333	24.4	138	129	277
BERYLLIUM	1 U	0.47 L	8.1	0.28	0.24 L	0.56	0.016 B
CADMIUM	1 U	0.061 B	1.9	0.008 B	0.16 B	0.0061 UL	0.0061 U
CHROMIUM	2 U	0.069 U	0.32	0.069 U	0.069 U	0.14 B	0.29 B
COBALT	8.4	66.7	261	0.25 B	188	66.1	0.057 B
COPPER	0.085 B	0.45 B	6	0.18 B	0.32 B	0.13 B	0.17 B
IRON	17000	11500	1620	1.1 U	15700	69900	11 B
LEAD	0.098 B	0.19 B	0.72 B	0.071 B	0.018 U	0.11 B	0.11 B
MANGANESE	1290	5680	4940	47.1	991	2940	1.1 K
MERCURY	0.2 U	0.14 B	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.27	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.1 B
NICKEL	13.6	17.8	304	2.6	274	75.4	2 K
SELENIUM	5 U	0.62	0.31	0.14 U	0.14 U	0.2 B	0.14 U
SILVER	1 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U	0.0026 U
THALLIUM	1 U	0.31 B	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
VANADIUM	20 U	0.46 UL	0.46 U	0.46 U	0.46 U	0.46 U	0.56
ZINC	5.1 B	11.6 K	487	4.3 B	144	32.5	16.4 B

Only samples from Blocks D, E, F, G, and H are pre

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW71A-071608	MRC-MW71B-071608	MRC-MW08A-071408	MRC-MW51A-071408	MRC-MW52A-071408	MRC-MW53A-071408
LABORATORY ID:	A8G170178008	A8G170178004	A8G160196003	A8G160196006	A8G160196004	A8G160196002
SAMPLE DATE:	7/16/2008	7/16/2008	7/14/2008	7/14/2008	7/14/2008	7/14/2008
LOCATION:	MW71A	MW71B	MW08A	MW51A	MW52A	MW53A
BLOCK:	G	G	H	H	H	H
INORGANICS (ug/L)						
ANTIMONY	0.07	0.035 U	0.054 B	0.051 B	0.088 B	0.035 U
ARSENIC	0.59	0.13 U	0.58 J	0.45 K	3.5	0.14 L
BARIUM	40.5	63.4	144	91.3	978	222
BERYLLIUM	83.1 J	0.042 B	0.45	35.9	80.5	10.2
CADMIUM	4.8	0.012 B	0.073 B	0.56	3.7	0.42
CHROMIUM	3.9	0.22 K	0.72 K	0.48 K	0.2 K	0.73
COBALT	83.1	63.8	135	444	2270	114
COPPER	7	0.28 B	0.85 B	16.2	174	11.6
IRON	5010	47800	34800 L	10700	20900	104
LEAD	2.1	0.077 B	0.46 B	1.5	4.4	0.36 B
MANGANESE	2000	3250	34700	573	34400	740
MERCURY	0.28 B	0.15 B	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
NICKEL	183	79.9	249	825	1700	171
SELENIUM	1.1	0.14 U	0.14 U	0.65	6	0.16
SILVER	0.02 B	0.0026 U	0.0026 U	0.008 B	0.38 K	0.009 B
THALLIUM	0.11 U	0.11 U	0.11 B	0.12 B	1.6	0.12 B
VANADIUM	4.3 L	0.46 UL	0.46 UL	0.46 U	0.87	0.46 UL
ZINC	232	111	108	970	2920	281

TABLE D-1
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES, JULY-AUGUST 2008
LOCKHEED MARTIN MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	MRC-MW71A-071608	MRC-MW71B-071608	MRC-MW08A-071408	MRC-MW51A-071408	MRC-MW52A-071408	MRC-MW53A-071408
LABORATORY ID:	A8G170178008	A8G170178004	A8G160196003	A8G160196006	A8G160196004	A8G160196002
SAMPLE DATE:	7/16/2008	7/16/2008	7/14/2008	7/14/2008	7/14/2008	7/14/2008
LOCATION:	MW71A	MW71B	MW08A	MW51A	MW52A	MW53A
INORGANICS FILTERED (ug/L)						
ANTIMONY	0.1 B	0.035 U	0.035 U	0.051 B	0.053 B	0.035 U
ARSENIC	0.36	0.13 U	0.45 J	0.46 K	3.5	0.21 L
BARIUM	42.3	64.7	143	96	950	230
BERYLLIUM	14.1 L	0.031 B	0.42	35.9	77.8	10.3
CADMIUM	4.4	0.014 B	0.087 B	0.52	3.4	0.44
CHROMIUM	0.18	0.069 U	0.069 U	0.26 K	0.11 K	0.75
COBALT	104	64	138	455	2220	114
COPPER	3.6	0.2 B	0.083 B	13.7	173	11
IRON	918	48400	33400	10400	20900	61.4
LEAD	0.67 B	0.018 B	0.026 B	1.5	4.2	0.34 B
MANGANESE	2270	3270	36400	585	33200	756
MERCURY	0.13 B	0.14 B	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
NICKEL	218	79.9	254	851	1660	170
SELENIUM	0.6	0.14 U	0.21	0.64	7	0.27
SILVER	0.02 B	0.0026 U	0.0026 U	0.0026 U	0.24 B	0.0026 U
THALLIUM	0.21 B	0.11 U	0.11 U	0.17 B	1.4	0.14 B
VANADIUM	0.46 UL	0.46 UL	0.46 UL	0.46 U	0.47	0.46 UL
ZINC	240	114	110	984	2880	279

Only samples from Blocks D, E, F, G, and H are pre

Table D-2

Analytical Chemical Results for Groundwater Samples, July-August 2009
Lockheed Martin Middle River Complex, Middle River, Maryland

SAMPLE ID:	MRC-MW30A-080409	MRC-MW34A-082509	MRC-MW34B-082509	MRC-MW36A-082609	MRC-MW43A-082109	MRC-MW44A-080509	MRC-MW72B-080709
LABORATORY ID:	A9H050300007	A9H260250003	A9H260250002	A9H270200003	A9H220139007	A9H070192003	A9H080141004
SAMPLE DATE:	8/4/2009	8/25/2009	8/25/2009	8/26/2009	8/21/2009	8/5/2009	8/7/2009
LOCATION:	MRC-MW30A	MRC-MW34A	MRC-MW34B	MRC-MW36A	MRC-MW43A	MRC-MW44A	MRC-MW72B
BLOCK:	E	E	E	E	E	E	E
INORGANICS (ug/L)							
ANTIMONY	0.23 B	0.055 U	0.055 U	0.088 B	0.055 U	0.15	0.055 U
ARSENIC	0.35 K	0.21 U	0.21 U	0.21 U	0.21 U	1.1 K	0.21 U
BARIUM	129	41.5	145	33.5	31.3	133	13.5
BERYLLIUM	0.56 K	0.048 B	9.9	3.6	0.7	0.047	0.72
CADMIUM	0.15 B	0.027 U	0.42 B	0.08 B	0.065 B	0.027 B	0.027 U
CHROMIUM	0.26 B	0.91 B	0.89 B	0.24 B	0.22 B	0.77	0.12 B
COBALT	6.6	0.66	123	46.1	39.8	0.51 B	9.8
COPPER	0.99 B	0.3 B	38	2.9 B	0.28 B	0.19 K	1.6 K
IRON	11 U	120 B	1180	215	8570	16700	74.3
LEAD	0.088 B	0.16 B	0.4	0.21 B	0.12 B	0.16 B	0.056 B
MANGANESE	68.4	2.8 B	474	42.1	942	264	58.8
MERCURY	0.1 U	0.1 UL	0.1 UL	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.2 U	0.2 U	0.2 U	0.39 B	0.2 U	0.2 U	0.2 U
NICKEL	15.1	0.84 B	163	56.5	38.9	0.34 K	11.1
POTASSIUM		7880	6980	966 K	5590		
SELENIUM	1.5 K	2.1	0.66	0.26	0.14 U	0.16 K	0.14 U
SILVER	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
THALLIUM	0.12 U	0.12 U	0.14 B	0.12 U	0.12 U	0.19 B	0.12 U
VANADIUM	5.7	0.6 U	6.1	0.6 U	0.6 U	0.98	0.6 U
ZINC	45	5.2 B	335	88.5	58.2	19 K	27.5 B

Table D-2

Analytical Chemical Results for Groundwater Samples, July-August 2009
Lockheed Martin Middle River Complex, Middle River, Maryland

SAMPLE ID:	MRC-MW30A-080409	MRC-MW34A-082509	MRC-MW34B-082509	MRC-MW36A-082609	MRC-MW43A-082109	MRC-MW44A-080509	MRC-MW72B-080709
LABORATORY ID:	A9H050300007	A9H260250003	A9H260250002	A9H270200003	A9H220139007	A9H070192003	A9H080141004
SAMPLE DATE:	8/4/2009	8/25/2009	8/25/2009	8/26/2009	8/21/2009	8/5/2009	8/7/2009
LOCATION:	MRC-MW30A	MRC-MW34A	MRC-MW34B	MRC-MW36A	MRC-MW43A	MRC-MW44A	MRC-MW72B
INORGANICS FILTERED (ug/L)							
ANTIMONY	0.23 B	0.055 U	0.055 U	0.06 B	0.055 U	0.13 B	0.055 U
ARSENIC	0.47 K	0.21 U	0.21 U	0.21 U	0.21 U	1.1 K	0.21 U
BARIUM	132	41	146	30.6	29.5	134	13.4
BERYLLIUM	0.64 K	0.054 B	9.8	3.4	0.77	0.051	0.66
CADMIUM	0.1 B	0.032 B	0.4 B	0.074 B	0.049 B	0.027 B	0.027 U
CHROMIUM	0.61 B	0.78 B	0.12 B	0.32 B	0.095 B	0.67	0.066 U
COBALT	7.5	0.64	122	41.5	36.6	0.47 B	9.3
COPPER	1.3 B	0.3 B	36.8	3.2 B	0.56 B	0.11 K	1.8 K
IRON	11 U	26.7 B	54.2 B	121 B	4950	16700	11 U
LEAD	0.087 B	0.055 B	0.12 B	0.19 B	0.074 B	0.12 B	0.062 B
MANGANESE	65.1	2.1 B	469	43.6	830	268	57.6
MERCURY	0.1 U	0.1 UL	0.1 UL	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
NICKEL	18.4	0.74 B	159	53.2	34.6	0.37 B	10.9
SELENIUM	1.6 K	1.9	0.56	0.28	0.14 U	0.26 K	0.14 U
SILVER	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
THALLIUM	0.12 U	0.12 U	0.14 B	0.12 U	0.12 U	0.12 U	0.12 U
VANADIUM	5.7 B	0.6 U	0.85	0.6 U	0.6 U	0.65	0.6 U
ZINC	56	2.4 B	331	83.9	52.5	3.6 B	23.4 B

Only samples from Blocks E, G, and H are presented.

Table D-2

Analytical Chemical Results for Groundwater Samples, July-August 2009
Lockheed Martin Middle River Complex, Middle River, Maryland

SAMPLE ID:	MRC-MW73B-081109	MRC-MW74A-081409	MRC-74B-081709	MRC-MW12A-073009	MRC-MW12B-073009	MRC-MW14A-073009	MRC-MW14B-082709
LABORATORY ID:	A9H130253004	A9H150168006	A9H190214003	A9G310180003	A9G310180002	A9G310180004	A9H280125002
SAMPLE DATE:	8/11/2009	8/14/2009	8/17/2009	7/30/2009	7/30/2009	7/30/2009	8/27/2009
LOCATION:	MRC-MW73B	MRC-MW74A	MRC-74B	MRC-MW12A	MRC-MW12B	MRC-MW14A	MRC-MW14B
BLOCK:	E	E	E	G	G	G	G
INORGANICS (ug/L)							
ANTIMONY	0.086 B	0.055 U	0.055 U	0.24	2 U	2 U	0.8
ARSENIC	0.21 B	1.1	0.21 U	0.94	5 U	1	0.21 U
BARIUM	30.5	48.3	33.1	87.1	89.6	58.8	79.4
BERYLLIUM	2.1	0.72	0.34	0.14 K	0.063 K	0.041 K	0.35 B
CADMIUM	0.063 B	0.26 B	0.1 B	0.07 B	0.04 B	1 U	0.48
CHROMIUM	0.32 B	0.77	0.26 B	0.92	0.19	2 U	4.2
COBALT	17.8	18.9	32.2	34.2	26.9	62.5	34.2
COPPER	4.8	2.1 K	0.88 K	1.2 K	0.22 B	0.1 B	12.2
IRON	67.2 B	314	292	31700	5180	46400	54200
LEAD	0.069 B	0.21 B	0.11 B	0.84 K	0.1 B	0.045 B	3
MANGANESE	89.5	1850	437	2010	2150	3190	1260
MERCURY	0.1 U	0.1 U	0.1 U	0.2 U	0.2 U	0.2 U	0.1 U
MOLYBDENUM	0.2 U	0.2 U	0.28 B	0.37	2 U	2 U	0.9 B
NICKEL	24.2	4.6	21.7	66.9	56.2	45.2	58.9
POTASSIUM							4980
SELENIUM	0.28 B	1.9	0.14 U	0.23 B	5 U	0.25 B	0.44
SILVER	0.033 U	0.033 U	0.033 U	1 U	1 U	1 U	0.41
THALLIUM	0.12 U	0.12 U	0.21 B	1 U	1 U	1 U	0.12 U
VANADIUM	0.6 U	0.6 U	0.6 U	1.3 B	20 U	20 U	8.1
ZINC	73.7	35.6 K	318	191	91.6	26.7	59.2

Table D-2

Analytical Chemical Results for Groundwater Samples, July-August 2009
Lockheed Martin Middle River Complex, Middle River, Maryland

SAMPLE ID:	MRC-MW73B-081109	MRC-MW74A-081409	MRC-74B-081709	MRC-MW12A-073009	MRC-MW12B-073009	MRC-MW14A-073009	MRC-MW14B-082709
LABORATORY ID:	A9H130253004	A9H150168006	A9H190214003	A9G310180003	A9G310180002	A9G310180004	A9H280125002
SAMPLE DATE:	8/11/2009	8/14/2009	8/17/2009	7/30/2009	7/30/2009	7/30/2009	8/27/2009
LOCATION:	MRC-MW73B	MRC-MW74A	MRC-74B	MRC-MW12A	MRC-MW12B	MRC-MW14A	MRC-MW14B
INORGANICS FILTERED (ug/L)							
ANTIMONY	0.12 B	0.08 B	0.055 U	0.11	2 U	2 U	0.18 B
ARSENIC	0.21 U	1.1	0.21 U	0.62	5 U	1.2	0.21 U
BARIUM	30	48.8	32.4	83.2	83.6	56.7	93.4
BERYLLIUM	2	0.7	0.3 B	0.063 K	0.039 K	0.072 K	0.16 B
CADMIUM	0.045 B	0.094 B	0.13 B	0.061 B	0.05 B	1 U	0.21 B
CHROMIUM	0.16 B	0.066 U	0.12 B	2 U	2 U	2 U	0.68 B
COBALT	17.5	19.4	31	38	24.2	67.3	68
COPPER	4.7	2.2 K	0.74 K	0.28 B	0.3 B	0.33 B	0.74 B
IRON	11 U	123	16.7 B	37700	6320	45300	106000
LEAD	0.064 B	0.05 B	0.056 B	0.092 B	1 U	0.068 B	0.14 B
MANGANESE	83.8	1880	418	2110	2080	3380	2400
MERCURY	0.1 U	0.1 U	0.1 U	0.2 U	0.2 U	0.2 U	0.1 U
MOLYBDENUM	0.2 U	0.2 U	0.2 U	2 U	2 U	2 U	0.2 U
NICKEL	21.4	4.2	21.5	73.5	56	49.3	124
SELENIUM	0.38 B	1.8	0.24	0.16 B	5 U	0.37 B	0.14 U
SILVER	0.033 U	0.033 U	0.033 U	1 U	1 U	1 U	0.033 U
THALLIUM	0.12 U	0.12 U	0.12 U	0.17 B	1 U	1 U	0.12 U
VANADIUM	0.64	0.6 U	0.6 U	20 U	20 U	20 U	0.73
ZINC	70.3	32.1 K	306	193	98.6	32.4	98.3

Only samples from Blocks E, G, and H are presente

Table D-2

Analytical Chemical Results for Groundwater Samples, July-August 2009
Lockheed Martin Middle River Complex, Middle River, Maryland

SAMPLE ID:	MRC-MW14C-083109	MRC-MW15A-082709	MRC-MW16A-082709	MRC-MW63A-080509	MRC-MW70A-080709	MRC-MW70B-080709	MRC-MW71A-082709
LABORATORY ID:	A9I030309002	A9H280125006	A9H280125007	A9H070192004	A9H080141002	A9H080141003	A9H280125005
SAMPLE DATE:	8/31/2009	8/27/2009	8/27/2009	8/5/2009	8/7/2009	8/7/2009	8/27/2009
LOCATION:	MRC-MW14C	MRC-MW15A	MRC-MW16A	MRC-MW63A	MRC-MW70A	MRC-MW70B	MRC-MW71A
BLOCK:	G	G	G	G	G	G	G
INORGANICS (ug/L)							
ANTIMONY	0.1 B	0.055 U	0.055 U	0.1	0.074 K	0.12 B	0.95
ARSENIC	0.88	0.6	0.86	1.4 K	3.6	1.1	0.21 U
BARIUM	70.3	120	382	157	109	683	76.5
BERYLLIUM	0.34 B	0.07 B	7.6	0.21 B	1.6	0.037 U	3.5
CADMIUM	0.033 B	0.027 U	1.1	0.063 B	0.027 U	0.031	3.2
CHROMIUM	6.7	0.19 B	0.37 B	0.066 U	0.45 B	3.2	0.88 B
COBALT	15.2	44	266	165	58	0.28 B	57.3
COPPER	7.4	0.35 B	7.9	0.43 K	0.65 K	0.82	1.6 B
IRON	18700	16400	6340	22400	64000	479	485
LEAD	2.5	0.14 B	1.2	0.28 B	0.28 B	0.32 B	0.7
MANGANESE	1220	5370	6160	754	2770	8.7	1430
MERCURY	0.11 B	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.2 U	0.2 U	0.2 U	0.2 U	0.39 B	2.6	0.2 U
NICKEL	27.6	11.3	271	234	57.8	5.1	115
POTASSIUM							
SELENIUM	0.21 B	0.19	0.28	0.27 K	2 K	0.14 U	0.3
SILVER	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.035 B	0.033 U
THALLIUM	0.12 U	0.13 B	0.12 U	0.12 U	0.18 B	0.17 B	0.12 U
VANADIUM	8.9	0.6 U	0.6 U	0.6 U	0.73	3 U G	1.5
ZINC	64.8	13.1	411	87.9	30.8 B	24.6 B	675

Table D-2

Analytical Chemical Results for Groundwater Samples, July-August 2009
Lockheed Martin Middle River Complex, Middle River, Maryland

SAMPLE ID:	MRC-MW14C-083109	MRC-MW15A-082709	MRC-MW16A-082709	MRC-MW63A-080509	MRC-MW70A-080709	MRC-MW70B-080709	MRC-MW71A-082709
LABORATORY ID:	A9I030309002	A9H280125006	A9H280125007	A9H070192004	A9H080141002	A9H080141003	A9H280125005
SAMPLE DATE:	8/31/2009	8/27/2009	8/27/2009	8/5/2009	8/7/2009	8/7/2009	8/27/2009
LOCATION:	MRC-MW14C	MRC-MW15A	MRC-MW16A	MRC-MW63A	MRC-MW70A	MRC-MW70B	MRC-MW71A
INORGANICS FILTERED (ug/L)							
ANTIMONY	0.055 U	0.055 U	0.055 U	0.071 B	0.096 K	0.055 U	0.93
ARSENIC	0.3	0.7	0.21 U	1.2 K	2.5 B	1 B	0.21 U
BARIUM	52.2	120	480	156	91.9	654	76.9
BERYLLIUM	0.089 B	0.1 B	11.9	0.15 B	1.3	0.037 U	3.7
CADMIUM	0.027 U	0.027 U	1.8	0.097 B	0.035	0.027 U	3
CHROMIUM	1.4	0.066 U	0.33 B	0.066 U	0.069 B	0.066 U	0.49 B
COBALT	8.9	47	350	164	51.1	0.073 B	57
COPPER	1.7 B	0.38 B	11.3	0.58 K	0.13 B	0.67 B	1.6 B
IRON	14100	15400	4140	19800	56200	11 U	147 B
LEAD	0.39	0.086 B	1.2	0.17 B	0.12 B	0.12 B	0.41
MANGANESE	1070	5390	5970	737	2440	0.62 B	1460
MERCURY	0.17 B	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	0.2 U	0.2 U	0.2 U	0.2 U	0.51 B	2.1	0.2 U
NICKEL	17.5	11.8	374	232	51.9	4.3	115
SELENIUM	0.18 B	0.31	0.14	0.26 K	1.3 B	0.14 U	0.28
SILVER	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
THALLIUM	0.12 U	0.12 U	0.12 U	0.12 U	0.17 B	0.12 U	0.12 U
VANADIUM	1.2	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.93
ZINC	43.4	10.3 B	621	84	11.7 B	10 B	632

Only samples from Blocks E, G, and H are presente

Table D-2

Analytical Chemical Results for Groundwater Samples, July-August 2009
Lockheed Martin Middle River Complex, Middle River, Maryland

SAMPLE ID:	MRC-MW71B-082709	MRC-MW08A-072809	MRC-MW52A-072809	MRC-MW53A-072809
LABORATORY ID:	A9H280125003	A9G290200002	A9G290200003	A9G290200004
SAMPLE DATE:	8/27/2009	7/28/2009	7/28/2009	7/28/2009
LOCATION:	MRC-MW71B	MRC-MW08A	MRC-MW52A	MRC-MW53A
BLOCK:	G	H	H	H
INORGANICS (ug/L)				
ANTIMONY	5.6	2 U	0.19	0.087
ARSENIC	0.21 U	0.4	1.8	5 U
BARIUM	92.3	148	868	83.6
BERYLLIUM	0.037 U	0.58	63.8	7
CADMIUM	0.043 B	0.088 B	3.3	0.23 B
CHROMIUM	1.6 B	0.96	0.36	0.96
COBALT	13.4	120	2380	43.7
COPPER	3.9 B	0.77 B	83.5	10.4
IRON	3660	37200	16200	27.9 B
LEAD	0.47	0.43	1.4	0.31
MANGANESE	1060	40700	35800	187
MERCURY	0.1 U	0.2 U	0.2 U	0.2 U
MOLYBDENUM	3.3	2 U	2 U	2 U
NICKEL	19.7	262	1550	81.9
POTASSIUM				
SELENIUM	0.89	0.29	4.1	5 U
SILVER	0.033 U	1 U	0.095 B	1 U
THALLIUM	0.14 B	1 U	1.4	1 U
VANADIUM	2.2	0.72 B	1.1 B	20 U
ZINC	75.1	116	2880	141

Table D-2

Analytical Chemical Results for Groundwater Samples, July-August 2009
Lockheed Martin Middle River Complex, Middle River, Maryland

SAMPLE ID:	MRC-MW71B-082709	MRC-MW08A-072809	MRC-MW52A-072809	MRC-MW53A-072809
LABORATORY ID:	A9H280125003	A9G290200002	A9G290200003	A9G290200004
SAMPLE DATE:	8/27/2009	7/28/2009	7/28/2009	7/28/2009
LOCATION:	MRC-MW71B	MRC-MW08A	MRC-MW52A	MRC-MW53A
INORGANICS FILTERED (ug/L)				
ANTIMONY	5.2	2 U	0.21	0.074
ARSENIC	0.21 U	0.27	2.2	5 U
BARIUM	77.4	140	864	83.8
BERYLLIUM	0.037 U	0.49	62.6	7
CADMIUM	0.045 B	0.083 B	3.2	0.16 B
CHROMIUM	0.41 B	2 U	0.11	0.85
COBALT	10.3	114	2410	44.5
COPPER	3.8 B	0.38 B	79.6	10.7
IRON	462	34300	16100	17.7 B
LEAD	0.077 B	0.099 B	1.4	0.27 B
MANGANESE	858	39900	35900	187
MERCURY	0.1 U	0.2 U	0.2 U	0.2 U
MOLYBDENUM	2.8	2 U	2 U	2 U
NICKEL	14.1	243	1590	82.6
SELENIUM	0.92	0.2	4.6	0.14
SILVER	0.033 U	1 U	1 U	1 U
THALLIUM	0.12 U	1 U	1.4	1 U
VANADIUM	0.6 U	20 U	0.87	20 U
ZINC	73.9	105	2910	147

Only samples from Blocks E, G, and H are presente

APPENDIX D-5

REFINED RISK EVALUATION FOR DRO/GRO

CLIENT	JOB NUMBER		
Lockheed			
SUBJECT: MRC - Calculation of Risk-based Concentrations for TPH (GRO/DRO)			
BASED ON: MDE/State of Massachusetts Methods.		DRAWING NUMBER	
BY: L. A. SINAGOGA	CHECKED BY: RJF	APPROVED BY	DATE

C_{soil} = Risk based concentration for non-carcinogenic hazard index of 1.

C_{soil} : Residential (Small child)

$$= \frac{1 \times 3E\text{-}2\ mg/Kg/d \times 15\ Kg \times 365\ d/yr \times 6\ yr}{200\ mg/d \times 10^{-6}\ \frac{Kg}{mg} \times 350\ \frac{d}{yr} \times 6\ yr}$$

$= 2{,}300\ mg/Kg$

C_{soil} : Commercial (Small child)

$$= \frac{1 \times 3E\text{-}2\ mg/Kg/d \times 15\ Kg \times 365\ d/yr \times 6\ yr}{200\ mg/d \times 10^{-6}\ \frac{Kg}{mg} \times 132\ \frac{d}{yr} \times 6\ yr}$$

$= 6{,}200\ mg/Kg$

C_{soil} : Industrial (Adult)

$$= \frac{1 \times 3E\text{-}02\ mg/Kg/d \times 70\ Kg \times 365\ d/yr \times 25\ yr}{50\ mg/d \times 10^{-6}\ Kg/mg \times 250\ d/yr \times 25\ yr}$$

$= 61{,}000\ mg/Kg$

C_{soil} recreational (Small child)

$$= \frac{1 \times 3E\text{-}02\ mg/Kg/d \times 15\ Kg \times 365\ d/yr \times 6\ yr}{200\ mg/d \times 10^{-6}\ Kg/mg \times 250\ d/yr \times 6\ yr}$$

$= 3{,}300\ mg/Kg$

- See attached State of Maryland, Department of the Environment, Clean-up Standards for Soil and Groundwater, June 2008, Interim Final Guidance, Update No. 2.1. (selected pages)
- Toxicity criteria recommended (3E-2 mg/Kg/d) by State of Massachusetts, Final Policy Document # WSC-02-411. (10.31.2002)

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STATE OF MARYLAND

DEPARTMENT OF THE ENVIRONMENT

CLEANUP STANDARDS FOR SOIL AND GROUNDWATER

JUNE 2008

INTERIM FINAL GUIDANCE

(UPDATE No. 2.1)

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Appendix 1. Risk Assessment Equations and Tables

Groundwater Ingestion:

Noncarcinogenic:

$$C_{water}\,(mg/l) = \frac{HI \times RfD_o \times BW \times AT_n}{IR_{dw} \times EF \times ED} \quad (1)$$

Carcinogenic (age adjusted):

$$C_{water}\,(mg/l) = \frac{CR \times AT_c}{IF_{dw} \times EF \times CSF_o} \quad (2)$$

Carcinogenic:

$$C_{water}\,(mg/l) = \frac{CR \times BW \times AT_c}{IR_{dw} \times EF \times ED \times CSF_o} \quad (3)$$

Inhalation of Volatiles in Groundwater:

Noncarcinogenic:

$$C_{water}\,(mg/l) = \frac{HI \times RfD_i \times BW \times AT_n}{InhR \times EF \times ED \times ET \times VF} \quad (4)$$

Carcinogenic (age adjusted):

$$C_{water}\,(mg/l) = \frac{CR \times AT_c}{IF_{inh} \times EF \times CSF_i \times VF} \quad (5)$$

Carcinogenic:

$$C_{water}\,(mg/l) = \frac{CR \times BW \times AT_c}{InhR \times EF \times ED \times ET \times CSF_i \times VF} \quad (6)$$

Soil Ingestion:

Noncarcinogenic:

$$C_{soil}\,(mg/kg) = \frac{HI \times RfD_o \times BW \times AT_n}{IR_{soil} \times CF \times EF \times ED} \quad (7)$$

Carcinogenic (age adjusted):

$$C_{soil}\,(mg/kg) = \frac{CR \times AT_c}{CF \times IF_{soil} \times EF \times CSF_o} \quad (8)$$

Carcinogenic:

$$C_{soil}\,(mg/kg) = \frac{CR \times BW \times AT_c}{CF \times IR_{soil} \times EF \times ED \times CSF_o} \quad (9)$$

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Appendix 1 - Table 3. Default ingestion parameters used to calculate the risk based concentrations for soil.

	Parameter	Ingestion - Residential				
		Adult	Youth (>6 - <18 Years)	Child (<6 Years)	Construction Worker	Age-Adjusted Resident
IR_{soil}	Ingestion Rate/Soil (mg/day)	100[a, b, c, d]	100[a, b, c, d]	200[a, b]	480[c]	
IF_{soil}	Age-Adjusted Ingestion Factor (mg-yr/kg-day)					127[e]
CF	Conversion Factor (kg/mg)	1E-06 [b]	1E-06[b]	1E-06[b]	1E-06[b]	1E-06[b]
EF	Exposure Frequency (days/year)	350[d, f]	350[d, f]	350[d, f]	250[c, d]	350[d, f]
ED	Exposure Duration (years)	30[a, b]	12[a]	6[a, b]	1[c]	
		Ingestion - Commercial				
IR_{soil}	Ingestion Rate/Soil (mg/day)	50[c, d]	100[a, b, c, d]	200[a, b]	480[c]	
IF_{soil}	Age-Adjusted Ingestion Factor (mg-yr/kg-day)					110 [e]
EF	Exposure Frequency (days/year)	250[c, d]	132[b, g]	132[b, g]	250[c, d]	132[b, g]
ED	Exposure Duration (years)	25[c, d]	12[a]	6[a, b]	1[c]	
		Ingestion - Industrial				
IR_{soil}	Ingestion Rate/Soil (mg/day)	50[c, d]	100[a, b, c, d]		480[c]	
CF	Conversion Factor (kg/mg)	1E-06[b]	1E-06[b]		1E-06[b]	
FI	Fraction Ingested (unitless)	1	1		1	
EF	Exposure Frequency (days/year)	250[c, d]	132[b, g]		250[c, d]	
ED	Exposure Duration (years)	25[c]	12[a]		1[c]	

Note: The following body weight values were used in deriving the standards; 70 kg for the adult and construction worker; 40 kg for youths, and 15 kg for the child population.

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11.2 Recreational Use Soil Cleanup Requirement

Property that has a recreational land use or has a similar projected future land use shall utilize the residential soils Cleanup Standards to evaluate risk. To evaluate risk at such properties, the person undertaking the environmental action at the property shall use a residential scenario or select one of the three recreational scenarios in the site-specific risk assessment process:

Level 1: Public Recreational Areas (High Frequency Use)
Definition: A high frequency public recreational area is any area that is available for recreational use by all populations at the highest potential exposure frequency (youth, child, adult, senior, etc.). Examples may include, but are not limited to, playgrounds, day care facilities, schools, golf courses, and picnic areas.

Frequency: The frequency of visits by all populations is 250 days per year or less.

Level 2: Public Recreational Areas (Moderate Frequency Use)
Definition: A moderate frequency use public recreational area is any area that is available for recreational use by all populations but the frequency of use is less than a high frequency use public recreational area. Such areas may be restricted through the use of fencing, permitting requirements, or other similar restrictions that prevent or hinder unimpeded access to the recreational area. Examples include, but are not limited to, outdoor aquatic facilities, athletic facilities, dog parks, and limited access parks.

Frequency: The frequency of visits by all populations is 182 days per year or less.

Level 3: Open Space Public Recreational Area (Low Frequency Use)
Definition: An open space public recreational use area is defined as any area where access and use is restricted by a combination of:

a) Covenants or other legal restrictions that prohibit the use of the property where such use may impair the flora and fauna in the open space; and
b) Physical environmental barriers impede the use of the open space, including but not limited to swamps, marshes, dense vegetation, and areas with steep inclines that limit the use of open space.

Frequency: The frequency of visits by all populations is 52 days per year or less.

11.3 Industrial Use Soil Cleanup Requirements

a) Tier 2A Commerical Unrestricted
Properties that have commercial unrestricted use or projected commercial unrestricted use are required to remedy hazardous substances in the soil to the applicable non-residential soil standard. Use of either treatment technologies or removal of the hazardous substances in the soil to the applicable soil standard is required for this land use. Attainment of the soil standard must be demonstrated following remedial action. The non-residential soil standard extends to a depth of 15 feet or the zone of saturation. Demonstration of attainment of the soil cleanup standard must also include evaluation of temporal variations in the depth of the zone of saturation.

b) Tier 2B Commercial Restricted
Properties that have commercial restricted use or projected commercial restricted use are required to remedy hazardous substances in the surface soil to the applicable non-residential soil standard. Use of either treatment technologies or removal of the hazardous substances in the soil to the

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Parameter	Definition (units)	Default Value
SFS_{adj}	Age-adjusted dermal exposure factor – (cm^2- event/kg)	3084000
SSA_{1-6}	Skin surface area available for contact during ages 1-6 (cm^2)	6,600
SSA_{7-31}	Skin surface area available for contact during ages 7-31 (cm^2)	18,000
EF_{1-6}	Exposure Frequency ages 1-6 (days/years)	350
EF_{7-31}	Exposure Frequency ages 7-31 (days/years)	350
EV_{1-6}	Exposure Event ages 1-6 (event/day)	1
EV_{7-31}	Exposure Event ages 7-31 (event/day)	1
ED_{1-6}	Exposure duration during ages 1-6 (years)	6
ED_{7-31}	Exposure duration during ages 7-31 (years)	24
BW_{1-6}	Average Body weight during ages 1-6 (kg)	15
BW_{7-31}	Average Body weight during ages 7-31 (kg)	70

Age-Adjusted Dermal Exposure Factor (SFS_{adj}) for Soil[r]

$$SFS_{adj} = \frac{(SSA_{1-6})(AF_{1-6})(ED_{1-6})}{(BW_{1-6})} + \frac{(SSA_{7-31})(AF_{7-31})(ED_{7-31})}{(BW_{7-31})}$$

Parameter	Definition (units)	Default Value
SFS_{adj}	Age-adjusted dermal exposure factor – (mg-yrs/kg-events)	360
AF_{1-6}	Adherence factor of soil to skin for a child (1-6 years) (mg/cm^2-event) (Referred to as contact rate in RAGS, Part A	0.2 (EFH, EPA 1997a
AF_{7-31}	Adherence factor of soil to skin for an adult (7-31 years) (mg/cm^2-event) (Referred to as contact rate in RAGS, Part A)	0.07 (EFH, EPA 1997a)
SSA_{1-6}	Skin surface area available for contact during ages 1-6 (cm^2)	2,800
SSA_{7-31}	Skin surface area available for contact during ages 7-31 (cm^2)	5,700
ED_{1-6}	Exposure duration during ages 1-6 (years)	6
ED_{7-31}	Exposure duration during ages 7-31 (years)	24
BW_{1-6}	Average Body weight during ages 1-6 (kg)	15
BW_{7-31}	Average Body weight during ages 7-31 (kg)	70

Default exposure parameters for groundwater and soil pathways are presented in Tables 1 – 6.

Small child and adult receptor body weight.

APPENDIX E—RISK CHARACTERIZATION TABLES

APPENDIX E.1

BLOCK D

TABLES

E-1.1 Cancer Risks for Individual Sample Locations – Surface Soil - Block D

E-1.2 Hazard Indices for Individual Sample Locations – Surface Soil - Block D

E-1.3 Cancer Risks for Individual Sample Locations – Subsurface Soil - Block D

E-1.4 Hazard Indices for Individual Sample Locations – Subsurface Soil - Block D

E-1.5 Cancer Risks for Individual Sample Locations – Saturated Soil - Block D

E-1.6 Hazard Indices for Individual Sample Locations – Saturated Soil - Block D

FIGURES

E-1.1 Cancer Risk Estimates for Industrial Use – Block D – Surface Soil

E-1.2 Hazard Indices Estimates for Industrial Use – Block D – Surface Soil

E-1.3 Cancer Risk Estimates for Residential Use – Block D – Surface Soil

E-1.4 Hazard Indices Estimates for Residential Use – Block D – Surface Soil

E-1.5 Cancer Risk Estimates for Industrial Use – Block D – Subsurface Soil

E-1.6 Hazard Indices Estimates for Industrial Use – Block D – Subsurface Soil

E-1.7 Cancer Risk Estimates for Residential Use – Block D – Subsurface Soil

E-1.8 Hazard Indices Estimates for Residential Use – Block D – Subsurface Soil

E-1.9 Cancer Risk Estimates for Industrial Use – Block D – Saturated Soil

E-1.10 Hazard Indices Estimates for Industrial Use – Block D – Saturated Soil

E-1.11 Cancer Risk Estimates for Residential Use – Block D – Saturated Soil

E-1.12 Hazard Indices Estimates for Residential Use – Block D – Saturated Soil

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-031	SB-032	SB-033	SB-057					SB-058			SB-058A
SAMPLE ID	SB-31A-SS	SB-32A-SS	SB-33A-SS	F-SB-57RE-1	F-SB-57RE-2	F-SB-57RE-2-	F-SB-57RE-2-	SB-57-SS	F-SB-58RE-1	F-SB-58RE-2	SB-58-SS	F-SB-58REA-
SAMPLE DATE	20040913	20040924	20040917	20090917	20090917	20090917	20090917	20040913	20090917	20090917	20040913	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SB	SB	SB	SB	SS	SB	SB	SS	SB
TOP DEPTH				1	2	2	2		1	2		2
BOTTOM DEPTH				1	2	2	2		1	2		2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.4E-07	6.4E-06	6.2E-06	7.1E-08	2.6E-09	2.6E-09	2.6E-09	2.1E-10	2.5E-06	3.0E-05		1.2E-07
AROCLOR-1260	1.3E-07	1.3E-07	1.3E-07					1.6E-07			1.3E-07	
ANTIMONY												
ARSENIC	6.6E-07	8.8E-08	3.7E-07					8.1E-07			5.5E-07	
CADMIUM	5.9E-11	5.5E-11	5.5E-11					7.0E-11			5.9E-11	
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	2.4E-11	9.2E-11	1.6E-10					4.9E-11			5.5E-11	
VANADIUM												
HEXAVALENT CHROMIUM	2.2E-07	3.9E-07	2.0E-07					3.0E-07			6.6E-07	
TOTAL CANCER RISK	1.7E-06	7.0E-06	6.9E-06	7.1E-08	2.6E-09	2.6E-09	2.6E-09	1.3E-06	2.5E-06	3.0E-05	1.3E-06	1.2E-07
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.4E-05	1.4E-04	1.4E-04	1.5E-06	5.6E-08	5.6E-08	5.6E-08	4.5E-09	5.4E-05	6.5E-04		2.6E-06
AROCLOR-1260	6.7E-07	6.7E-07	6.7E-07					8.2E-07			6.4E-07	
ANTIMONY												
ARSENIC	5.1E-06	6.8E-07	2.8E-06					6.3E-06			4.3E-06	
CADMIUM	1.2E-10	1.1E-10	1.1E-10					1.4E-10			1.2E-10	
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	4.8E-11	1.9E-10	3.3E-10					9.8E-11			1.1E-10	
VANADIUM												
HEXAVALENT CHROMIUM	3.3E-06	5.8E-06	2.9E-06					4.5E-06			9.9E-06	
TOTAL CANCER RISK	2.3E-05	1.5E-04	1.4E-04	1.5E-06	5.6E-08	5.6E-08	5.6E-08	1.2E-05	5.4E-05	6.5E-04	1.5E-05	2.6E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-058A		SB-058B	SB-058C	SB-058D	SB-059	SB-060			SB-060A	SB-060B	SB-060C
SAMPLE ID	F-SB-58REA-	F-SB-58REA-	F-SB-58REB-	F-SB-58REC-	F-SB-58RED-	SB-59-SS	D-SB-60RE-1	D-SB-60RE-2	SB-60-SS	D-SB-60REA-	D-SB-60REB-	D-SB-60REC-
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20040923	20090915	20090915	20040924	20091012	20091013	20091013
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SS	SB	SB	SS	SB	SB	SB
TOP DEPTH	2	2	2	2	2		1	2		1	1	1
BOTTOM DEPTH	2	2	2	2	2		1	2		1	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	4.2E-07	7.2E-07	1.0E-05	2.2E-05	4.5E-07	6.1E-06	7.8E-05	1.6E-07	1.5E-07	6.2E-05	8.2E-08	2.2E-06
AROCLOR-1260						1.3E-07			1.4E-07			
ANTIMONY												
ARSENIC						6.2E-07			2.3E-07			
CADMIUM						5.7E-11			6.1E-11			
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL						3.7E-11			1.1E-10			
VANADIUM												
HEXAVALENT CHROMIUM						2.6E-07			3.6E-07			
TOTAL CANCER RISK	4.2E-07	7.2E-07	1.0E-05	2.2E-05	4.5E-07	7.1E-06	7.8E-05	1.6E-07	8.8E-07	6.2E-05	8.2E-08	2.2E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	9.1E-06	1.6E-05	2.3E-04	4.8E-04	9.8E-06	1.3E-04	1.7E-03	3.5E-06	3.3E-06	1.4E-03	1.8E-06	4.8E-05
AROCLOR-1260						6.4E-07			6.9E-07			
ANTIMONY												
ARSENIC						4.8E-06			1.8E-06			
CADMIUM						1.1E-10			1.2E-10			
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL						7.4E-11			2.1E-10			
VANADIUM												
HEXAVALENT CHROMIUM						3.9E-06			5.4E-06			
TOTAL CANCER RISK	9.1E-06	1.6E-05	2.3E-04	4.8E-04	9.8E-06	1.4E-04	1.7E-03	3.5E-06	1.1E-05	1.4E-03	1.8E-06	4.8E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-060D	SB-061					SB-061A	SB-061B	SB-061C	SB-061D	SB-062	
SAMPLE ID	D-SB-60RED-20091013	D-SB-61RE-1 20090916	D-SB-61RE-2 20090916	D-SB-61RE-2-20090916	D-SB-61RE-2-20090916	SB-61-SS 20040924	D-SB-61REA-20091012	D-SB-61REB-20091012	D-SB-61REC-20091012	D-SB-61RED-20091012	D-SB-62RE-1 20090914	D-SB-62RE-2 20090914
SAMPLE DATE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
MATRIX	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	SB	SB	SB	SB	SB	SS	SB	SB	SB	SB	SB	SB
SUBMATRIX	1	1	2	2	2		1	1	1	1	1	2
TOP DEPTH	1	1	2	2	2		1	1	1	1	1	2
BOTTOM DEPTH												
INDUSTRIAL												
BAP EQUIVALENT-HALFND	3.4E-05	6.0E-08	2.8E-09	2.0E-08	3.8E-08		5.3E-07	8.0E-08	1.3E-06	2.8E-07	2.2E-05	3.7E-06
AROCLOR-1260						1.5E-07						
ANTIMONY												
ARSENIC						1.0E-07						
CADMIUM						6.4E-11						
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL						5.3E-11						
VANADIUM												
HEXAVALENT CHROMIUM						5.0E-07						
TOTAL CANCER RISK	3.4E-05	6.0E-08	2.8E-09	2.0E-08	3.8E-08	7.5E-07	5.3E-07	8.0E-08	1.3E-06	2.8E-07	2.2E-05	3.7E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	7.3E-04	1.3E-06	6.0E-08	4.4E-07	8.3E-07		1.1E-05	1.7E-06	2.9E-05	6.1E-06	4.8E-04	8.0E-05
AROCLOR-1260						7.7E-07						
ANTIMONY												
ARSENIC						8.0E-07						
CADMIUM						1.3E-10						
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL						1.1E-10						
VANADIUM												
HEXAVALENT CHROMIUM						7.4E-06						
TOTAL CANCER RISK	7.3E-04	1.3E-06	6.0E-08	4.4E-07	8.3E-07	9.0E-06	1.1E-05	1.7E-06	2.9E-05	6.1E-06	4.8E-04	8.0E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-062	SB-062A	SB-062B	SB-062C	SB-062D	SB-063					SB-063A	SB-063B
SAMPLE ID	SB-62-SS	D-SB-62REA-	D-SB-62REB-	D-SB-62REC-	D-SB-62RED-	D-SB-63RE-1	D-SB-63RE-2	D-SB-63RE-2-	D-SB-63RE-2-	SB-63-SS	D-SB-63REA-	D-SB-63REB-
SAMPLE DATE	20040923	20091015	20091015	20091015	20091014	20090915	20090915	20090915	20090915	20040924	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB	SB	SB	SB	SS	SB	SB
TOP DEPTH		1	1	1	1	1	2	2	2		2	2
BOTTOM DEPTH		1	1	1	1	1	2	2	2		2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-05	1.6E-07	1.9E-06	9.0E-06	5.8E-05	4.8E-07	3.7E-07	2.3E-07	9.4E-08	1.8E-09	6.0E-08	2.6E-09
AROCLOR-1260	1.3E-07									1.7E-07		
ANTIMONY												
ARSENIC	2.3E-07									3.4E-07		
CADMIUM	5.7E-11									7.5E-11		
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	6.6E-11									8.5E-11		
VANADIUM												
HEXAVALENT CHROMIUM	3.6E-07									6.9E-07		
TOTAL CANCER RISK	2.7E-05	1.6E-07	1.9E-06	9.0E-06	5.8E-05	4.8E-07	3.7E-07	2.3E-07	9.4E-08	1.2E-06	6.0E-08	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.7E-04	3.4E-06	4.1E-05	1.9E-04	1.3E-03	1.0E-05	8.0E-06	5.0E-06	2.0E-06	4.0E-08	1.3E-06	5.6E-08
AROCLOR-1260	6.7E-07									8.7E-07		
ANTIMONY												
ARSENIC	1.8E-06									2.7E-06		
CADMIUM	1.1E-10									1.5E-10		
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	1.3E-10									1.7E-10		
VANADIUM												
HEXAVALENT CHROMIUM	5.4E-06									1.0E-05		
TOTAL CANCER RISK	5.8E-04	3.4E-06	4.1E-05	1.9E-04	1.3E-03	1.0E-05	8.0E-06	5.0E-06	2.0E-06	1.4E-05	1.3E-06	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-063C	SB-063D	SB-064	SB-065			SB-066			SB-066A	SB-066B	SB-066C
SAMPLE ID	D-SB-63REC-20091013	D-SB-63RED-20091013	SB-64-SS 20040924	D-SB-65RE-1 20090916	D-SB-65RE-2 20090916	SB-65-SS 20040917	D-SB-66RE-1 20090914	D-SB-66RE-2 20090914	SB-66-SS 20040923	D-SB-66REA-20091014	D-SB-66REB-20091014	D-SB-66REC-20091014
SAMPLE DATE												
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB	SB	SB
TOP DEPTH	2	2		1	2		1	2		2	2	2
BOTTOM DEPTH	2	2		1	2		1	2		2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	9.5E-09	2.8E-09	1.5E-05	2.4E-09	6.4E-08		1.8E-07	5.1E-06	2.2E-09	6.0E-08	9.0E-09	1.3E-07
AROCLOR-1260			1.6E-07			1.3E-07			1.5E-07			
ANTIMONY												
ARSENIC			2.7E-07			2.0E-07			1.8E-06			
CADMIUM			6.8E-11			5.9E-11			6.4E-11			
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL			9.8E-11			6.3E-11			5.6E-11			
VANADIUM												
HEXAVALENT CHROMIUM			5.0E-07			8.5E-08			9.9E-07			
TOTAL CANCER RISK	9.5E-09	2.8E-09	1.5E-05	2.4E-09	6.4E-08	4.2E-07	1.8E-07	5.1E-06	2.9E-06	6.0E-08	9.0E-09	1.3E-07
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.1E-07	6.0E-08	3.2E-04	5.3E-08	1.4E-06		4.0E-06	1.1E-04	4.8E-08	1.3E-06	1.9E-07	2.9E-06
AROCLOR-1260			7.9E-07			6.7E-07			7.4E-07			
ANTIMONY												
ARSENIC			2.1E-06			1.5E-06			1.4E-05			
CADMIUM			1.4E-10			1.2E-10			1.3E-10			
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL			2.0E-10			1.3E-10			1.1E-10			
VANADIUM												
HEXAVALENT CHROMIUM			7.4E-06			1.3E-06			1.5E-05			
TOTAL CANCER RISK	2.1E-07	6.0E-08	3.3E-04	5.3E-08	1.4E-06	3.5E-06	4.0E-06	1.1E-04	3.0E-05	1.3E-06	1.9E-07	2.9E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-066D	SB-067	SB-239						SB-240			
SAMPLE ID	D-SB-66RED-20091014	SB-67-SS 20040927	D-SB-239RE-20090914	D-SB-239RE-20090914	D-SB-239RE-20090914	SB-239-20050607	SB-239-20050607	SB-239-SS[6] 20050607	D-SB-240RE-20090914	D-SB-240RE-20090914	SB-240-20050607	SB-240-20050607
SAMPLE DATE												
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SB	SB	SB	SS	SB	SB	SB	SB
TOP DEPTH	2		2	2	2	1	1.5	0.5	1	2	1	1.5
BOTTOM DEPTH	2		2	2	2	1	1.5	0.5	1	2	1	1.5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	3.3E-05	1.0E-06	5.5E-07	6.5E-08	1.2E-06	1.9E-06	4.5E-07	8.2E-06	2.6E-09	2.9E-07	6.1E-07
AROCLOR-1260		1.3E-07										
ANTIMONY												
ARSENIC		4.0E-07										
CADMIUM		5.9E-11										
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL		9.8E-11										
VANADIUM												
HEXAVALENT CHROMIUM		5.8E-07										
TOTAL CANCER RISK	2.6E-09	3.4E-05	1.0E-06	5.5E-07	6.5E-08	1.2E-06	1.9E-06	4.5E-07	8.2E-06	2.6E-09	2.9E-07	6.1E-07
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	7.1E-04	2.2E-05	1.2E-05	1.4E-06	2.6E-05	4.0E-05	9.7E-06	1.8E-04	5.6E-08	6.2E-06	1.3E-05
AROCLOR-1260		6.4E-07										
ANTIMONY												
ARSENIC		3.1E-06										
CADMIUM		1.2E-10										
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL		2.0E-10										
VANADIUM												
HEXAVALENT CHROMIUM		8.7E-06										
TOTAL CANCER RISK	5.6E-08	7.2E-04	2.2E-05	1.2E-05	1.4E-06	2.6E-05	4.0E-05	9.7E-06	1.8E-04	5.6E-08	6.2E-06	1.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-240	SB-240A	SB-240B	SB-240C	SB-240D	SB-241			SB-242			SB-243
SAMPLE ID	SB-240-SS[6]	D-SB-20091014	D-SB-20091013	D-SB-20091013	D-SB-20091013	SB-241-20050607	SB-241-20050607	SB-241-SS[6] 20050607	SB-242-20050607	SB-242-20050607	SB-242-SS[6] 20050607	D-SB-243RE-20090915
SAMPLE DATE	20050607											
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB	SB	SS	SB	SB	SS	SB
TOP DEPTH	0.5	1	1	1	1	1	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	0.5	1	1	1	1	1	1.5	0.5	1	1.5	0.5	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.5E-07	1.3E-06	4.7E-05	1.5E-07	1.5E-07	5.4E-07	4.7E-07	5.7E-07	5.3E-07	2.8E-07	6.3E-07	1.1E-05
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.5E-07	1.3E-06	4.7E-05	1.5E-07	1.5E-07	5.4E-07	4.7E-07	5.7E-07	5.3E-07	2.8E-07	6.3E-07	1.1E-05
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.4E-06	2.8E-05	1.0E-03	3.3E-06	3.4E-06	1.2E-05	1.0E-05	1.2E-05	1.1E-05	6.0E-06	1.4E-05	2.5E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.4E-06	2.8E-05	1.0E-03	3.3E-06	3.4E-06	1.2E-05	1.0E-05	1.2E-05	1.1E-05	6.0E-06	1.4E-05	2.5E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-243				SB-243A	SB-243B	SB-243C	SB-243D	SB-592	SB-592A	SB-592B	SB-592D
SAMPLE ID	D-SB-243RE-20090915	SB-243-20050607	SB-243-20050607	SB-243-SS[6]20050607	D-SB-20091012	D-SB-20091012	D-SB-20091012	D-SB-20091012	D-SB-592-220090914	D-SB-592A-220091015	D-SB-592B-220091016	D-SB-592D-220091016
SAMPLE DATE												
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	1.5	0.5	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	1	1.5	0.5	2	2	2	2	2	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	7.1E-08	5.6E-07	3.1E-07	2.9E-07	4.7E-07	2.8E-09	5.0E-08	5.5E-08	1.3E-07	2.4E-08	1.1E-07	1.8E-07
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	7.1E-08	5.6E-07	3.1E-07	2.9E-07	4.7E-07	2.8E-09	5.0E-08	5.5E-08	1.3E-07	2.4E-08	1.1E-07	1.8E-07
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.5E-06	1.2E-05	6.8E-06	6.4E-06	1.0E-05	6.0E-08	1.1E-06	1.2E-06	2.8E-06	5.3E-07	2.4E-06	4.0E-06
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.5E-06	1.2E-05	6.8E-06	6.4E-06	1.0E-05	6.0E-08	1.1E-06	1.2E-06	2.8E-06	5.3E-07	2.4E-06	4.0E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-593	SB-594	SB-595	SB-766	SB-767	SB-768	SB-769	SB-770	SB-771	SB-772	SB-773	SB-774	SB-775
SAMPLE ID	D-SB-593-2	D-SB-594-2	D-SB-595-2	D-SB-766-	D-SS-767-	D-SS-768-	D-SS-769-	D-SS-770-	D-SB-771-	D-SS-772-	D-SS-773-	D-SB-774-	D-SS-775-
SAMPLE DATE	20090914	20090914	20090914	20100827	20100830	20100830	20100830	20100830	20100910	20100830	20100831	20100910	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	2	2	2										
BOTTOM DEPTH	2	2	2	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL													
BAP EQUIVALENT-HALFND	1.1E-07	3.2E-07	3.0E-07	6.2E-09	1.1E-07	2.7E-07	1.4E-07	6.2E-08	3.9E-05	1.6E-07	6.8E-09	3.9E-05	6.9E-09
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.1E-07	3.2E-07	3.0E-07	6.2E-09	1.1E-07	2.7E-07	1.4E-07	6.2E-08	3.9E-05	1.6E-07	6.8E-09	3.9E-05	6.9E-09
RESIDENTIAL													
BAP EQUIVALENT-HALFND	2.4E-06	6.9E-06	6.4E-06	1.4E-07	2.4E-06	5.9E-06	2.9E-06	1.3E-06	8.5E-04	3.4E-06	1.5E-07	8.5E-04	1.5E-07
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	2.4E-06	6.9E-06	6.4E-06	1.4E-07	2.4E-06	5.9E-06	2.9E-06	1.3E-06	8.5E-04	3.4E-06	1.5E-07	8.5E-04	1.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-776	SB-777	SB-778	SB-779	SB-780	SB-781	SB-782	SB-783	SB-784	SB-785	SB-786	SB-787	SB-788
SAMPLE ID	D-SS-776-20100831	D-SB-777-20100910	D-SS-778-20100831	D-SS-779-20100901	D-SS-780-20100901	D-SS-781-20100901	D-SS-782-20100902	D-SS-783-20100902	D-SS-784-20100902	D-SS-785-20100903	D-SS-786-20100903	D-SS-787-20100903	D-SB-788-20100908
SAMPLE DATE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
MATRIX	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
SUBMATRIX													
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL													
BAP EQUIVALENT-HALFND	6.9E-09	1.6E-06	6.6E-09	1.8E-08	6.9E-09	2.9E-05	4.5E-07	7.5E-07	1.4E-07	6.2E-09	2.0E-06	2.5E-07	3.7E-07
AROCLOR-1260							9.0E-09	9.5E-09	9.5E-09	9.0E-09	1.0E-08	1.0E-08	9.0E-09
ANTIMONY													
ARSENIC							8.1E-07	8.8E-07	1.0E-06	5.9E-07	2.2E-06	1.9E-06	3.5E-07
CADMIUM							1.1E-11	5.0E-12	1.0E-12	1.9E-13	5.0E-12	1.8E-11	1.9E-13
COBALT							4.5E-10	7.3E-10	1.5E-09	1.5E-10	2.0E-09	6.2E-09	3.4E-10
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL							3.3E-11	3.4E-11	3.7E-11	5.5E-12	1.4E-10	2.7E-10	2.2E-11
VANADIUM													
HEXAVALENT CHROMIUM							2.5E-07	2.5E-07	2.3E-07	3.9E-07	5.7E-07	5.1E-07	3.4E-07
TOTAL CANCER RISK	6.9E-09	1.6E-06	6.6E-09	1.8E-08	6.9E-09	2.9E-05	1.5E-06	1.9E-06	1.4E-06	9.9E-07	4.8E-06	2.7E-06	1.1E-06
RESIDENTIAL													
BAP EQUIVALENT-HALFND	1.5E-07	3.5E-05	1.4E-07	3.9E-07	1.5E-07	6.2E-04	9.8E-06	1.6E-05	3.0E-06	1.4E-07	4.3E-05	5.4E-06	7.9E-06
AROCLOR-1260							4.5E-08	4.7E-08	4.7E-08	4.5E-08	5.0E-08	5.0E-08	4.5E-08
ANTIMONY													
ARSENIC							6.3E-06	6.8E-06	8.0E-06	4.6E-06	1.7E-05	1.5E-05	2.7E-06
CADMIUM							2.2E-11	1.0E-11	2.1E-12	3.8E-13	1.0E-11	3.7E-11	3.8E-13
COBALT							9.2E-10	1.5E-09	2.9E-09	3.0E-10	4.1E-09	1.3E-08	6.9E-10
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL							6.7E-11	6.9E-11	7.4E-11	1.1E-11	2.7E-10	5.4E-10	4.4E-11
VANADIUM													
HEXAVALENT CHROMIUM							3.7E-06	3.7E-06	3.5E-06	5.9E-06	8.6E-06	7.7E-06	5.1E-06
TOTAL CANCER RISK	1.5E-07	3.5E-05	1.4E-07	3.9E-07	1.5E-07	6.2E-04	2.0E-05	2.7E-05	1.5E-05	1.1E-05	6.9E-05	2.8E-05	1.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-789	SB-790	SB-791	SB-792	SB-793	SB-794	SB-795	SB-796
SAMPLE ID	D-SB-789-20100908	D-SB-790-20100908	D-SB-791-20100909	D-SB-792-20100909	D-SB-793-20100909	D-SB-794-20100909	D-SB-795-20100909	D-SB-796-20100910
SAMPLE DATE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE	SO	SO	SO	SO	SO	SO	SO	SO
MATRIX	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	SS	SS	SS	SS	SS	SS	SS	SS
SUBMATRIX								
TOP DEPTH	1	1	1	1	1	1	1	1
BOTTOM DEPTH								
INDUSTRIAL								
BAP EQUIVALENT-HALFND	7.7E-08	6.4E-08	6.1E-09	1.4E-08	5.8E-08	2.5E-06	1.3E-07	2.7E-07
AROCLOR-1260	9.0E-09	9.0E-09	9.0E-09	9.0E-09	9.5E-09	2.0E-08	9.5E-09	1.0E-08
ANTIMONY								
ARSENIC	6.2E-07	2.6E-07	2.6E-07	8.4E-07	1.6E-06	1.6E-06	9.5E-07	1.8E-06
CADMIUM	5.5E-13	1.9E-13	1.9E-13	1.8E-12	2.1E-12	6.1E-12	2.5E-13	2.4E-12
COBALT	4.1E-10	1.2E-10	1.1E-10	9.1E-10	1.7E-09	3.2E-09	3.2E-10	2.5E-09
IRON								
LEAD								
MANGANESE								
MERCURY								
MOLYBDENUM								
NICKEL	2.0E-11	4.2E-12	5.0E-12	5.1E-11	9.8E-11	1.4E-10	1.8E-11	1.6E-10
VANADIUM								
HEXAVALENT CHROMIUM	3.1E-07	2.3E-07	2.4E-07	3.2E-07	5.9E-07	4.5E-07	7.2E-07	5.3E-07
TOTAL CANCER RISK	1.0E-06	5.6E-07	5.2E-07	1.2E-06	2.3E-06	4.5E-06	1.8E-06	2.6E-06
RESIDENTIAL								
BAP EQUIVALENT-HALFND	1.7E-06	1.4E-06	1.3E-07	3.1E-07	1.3E-06	5.4E-05	2.9E-06	6.0E-06
AROCLOR-1260	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.7E-08	9.9E-08	4.7E-08	5.0E-08
ANTIMONY								
ARSENIC	4.8E-06	2.0E-06	2.1E-06	6.6E-06	1.3E-05	1.2E-05	7.4E-06	1.4E-05
CADMIUM	1.1E-12	3.8E-13	3.8E-13	3.7E-12	4.3E-12	1.2E-11	5.0E-13	4.9E-12
COBALT	8.2E-10	2.4E-10	2.3E-10	1.8E-09	3.5E-09	6.5E-09	6.4E-10	5.0E-09
IRON								
LEAD								
MANGANESE								
MERCURY								
MOLYBDENUM								
NICKEL	4.1E-11	8.5E-12	1.0E-11	1.0E-10	2.0E-10	2.8E-10	3.6E-11	3.3E-10
VANADIUM								
HEXAVALENT CHROMIUM	4.7E-06	3.4E-06	3.5E-06	4.8E-06	8.9E-06	6.7E-06	1.1E-05	8.0E-06
TOTAL CANCER RISK	1.1E-05	6.8E-06	5.8E-06	1.2E-05	2.3E-05	7.3E-05	2.1E-05	2.8E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-031	SB-032	SB-033	SB-057	SB-058	SB-059	SB-060	SB-061	SB-062	SB-063	SB-064	SB-065
SAMPLE ID	SB-31A-SS	SB-32A-SS	SB-33A-SS	SB-57-SS	SB-58-SS	SB-59-SS	SB-60-SS	SB-61-SS	SB-62-SS	SB-63-SS	SB-64-SS	SB-65-SS
SAMPLE DATE	20040913	20040924	20040917	20040913	20040913	20040923	20040924	20040924	20040923	20040924	20040924	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH												
BOTTOM DEPTH												
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1260												
ANTIMONY		2.8E-03				2.9E-03	3.1E-03	3.2E-03	2.9E-03	3.8E-03	3.4E-03	
ARSENIC	4.1E-03	5.5E-04	2.3E-03	5.0E-03	3.4E-03	3.9E-03	1.4E-03	6.4E-04	1.4E-03	2.1E-03	1.7E-03	1.2E-03
CADMIUM	1.6E-03	1.5E-03	1.5E-03	1.9E-03	1.6E-03	1.6E-03	1.7E-03	1.7E-03	1.6E-03	2.1E-03	1.9E-03	1.6E-03
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY	2.6E-04	2.3E-04	2.3E-04	3.1E-04	2.4E-04	2.3E-04	2.6E-04	2.6E-04	2.4E-04	3.1E-04	2.8E-04	2.6E-04
MOLYBDENUM												
NICKEL	3.8E-04	1.5E-03	2.6E-03	7.8E-04	8.9E-04	5.9E-04	1.7E-03	8.6E-04	1.1E-03	1.4E-03	1.6E-03	1.0E-03
VANADIUM												
HEXAVALENT CHROMIUM	4.0E-04	7.2E-04	3.6E-04	5.6E-04	1.2E-03	4.8E-04	6.7E-04	9.2E-04	6.7E-04	1.3E-03	9.2E-04	1.6E-04
TOTAL HAZARD INDEX	6.8E-03	7.2E-03	7.0E-03	8.6E-03	7.4E-03	9.6E-03	8.8E-03	7.6E-03	7.8E-03	1.1E-02	9.8E-03	4.3E-03
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1260												
ANTIMONY		4.6E-02				4.7E-02	5.1E-02	5.3E-02	4.7E-02	6.3E-02	5.7E-02	
ARSENIC	8.3E-02	1.1E-02	4.6E-02	1.0E-01	6.9E-02	7.9E-02	2.9E-02	1.3E-02	2.9E-02	4.3E-02	3.4E-02	2.5E-02
CADMIUM	3.5E-02	3.2E-02	3.2E-02	4.2E-02	3.5E-02	3.4E-02	3.6E-02	3.8E-02	3.4E-02	4.5E-02	4.1E-02	3.5E-02
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY	3.3E-03	2.9E-03	2.9E-03	3.9E-03	3.0E-03	3.0E-03	3.3E-03	3.3E-03	3.0E-03	3.9E-03	3.6E-03	3.3E-03
MOLYBDENUM												
NICKEL	3.9E-03	1.5E-02	2.7E-02	8.1E-03	9.2E-03	6.1E-03	1.7E-02	8.8E-03	1.1E-02	1.4E-02	1.6E-02	1.0E-02
VANADIUM												
HEXAVALENT CHROMIUM	3.6E-03	6.3E-03	3.2E-03	5.0E-03	1.1E-02	4.2E-03	5.9E-03	8.1E-03	5.9E-03	1.1E-02	8.1E-03	1.4E-03
TOTAL HAZARD INDEX	1.3E-01	1.1E-01	1.1E-01	1.6E-01	1.3E-01	1.7E-01	1.4E-01	1.2E-01	1.3E-01	1.8E-01	1.6E-01	7.5E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-066	SB-067	SB-782	SB-783	SB-784	SB-785	SB-786	SB-787	SB-788	SB-789	SB-790	SB-791	SB-792
SAMPLE ID	SB-66-SS	SB-67-SS	D-SS-782-20100902	D-SS-783-20100902	D-SS-784-20100902	D-SS-785-20100903	D-SS-786-20100903	D-SS-787-20100903	D-SB-788-20100908	D-SB-789-20100908	D-SB-790-20100908	D-SB-791-20100909	D-SB-792-20100909
SAMPLE DATE	20040923	20040927											
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH													
BOTTOM DEPTH			1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL													
BAP EQUIVALENT-HALFND													
AROCLOR-1260													
ANTIMONY	3.2E-03	6.9E-03	3.4E-04	2.9E-04	8.7E-05	1.4E-04	5.5E-04	4.4E-04	7.8E-05	1.3E-04	3.0E-05	2.9E-05	1.3E-04
ARSENIC	1.1E-02	2.5E-03	5.0E-03	5.5E-03	6.4E-03	3.7E-03	1.4E-02	1.2E-02	2.2E-03	3.9E-03	1.6E-03	1.6E-03	5.2E-03
CADMIUM	1.7E-03	1.6E-03	3.0E-04	1.4E-04	2.9E-05	5.2E-06	1.4E-04	5.0E-04	5.2E-06	1.5E-05	5.2E-06	5.1E-06	5.0E-05
COBALT			3.7E-03	5.9E-03	1.2E-02	1.2E-03	1.7E-02	5.1E-02	2.8E-03	3.3E-03	9.7E-04	9.3E-04	7.4E-03
IRON			6.0E-03	4.8E-03	4.0E-03	5.2E-03	2.0E-02	1.7E-02	4.3E-03	3.7E-03	3.1E-03	3.5E-03	7.8E-03
LEAD													
MANGANESE			9.1E-03	2.7E-03	2.2E-03	8.4E-04	9.1E-03	6.3E-03	2.5E-03	9.6E-04	1.2E-03	8.4E-04	1.1E-02
MERCURY	2.6E-04	2.6E-04	3.8E-04	3.6E-04	2.4E-04	3.8E-05	1.2E-03	2.3E-03	3.8E-05	8.9E-05	3.8E-05	3.8E-05	8.0E-04
MOLYBDENUM			5.0E-05	4.2E-05	3.7E-05	4.4E-05	6.2E-05	5.0E-05	2.5E-05	3.4E-05	1.6E-05	7.8E-06	5.5E-05
NICKEL	9.1E-04	1.6E-03	5.4E-04	5.5E-04	5.9E-04	8.9E-05	2.2E-03	4.3E-03	3.5E-04	3.3E-04	6.8E-05	8.1E-05	8.2E-04
VANADIUM			1.6E-03	1.7E-03	1.7E-03	2.1E-03	3.8E-03	3.2E-03	1.3E-03	1.9E-03	1.2E-03	1.4E-03	1.8E-03
HEXAVALENT CHROMIUM	1.8E-03	1.1E-03	4.6E-04	4.7E-04	4.4E-04	7.3E-04	1.1E-03	9.5E-04	6.4E-04	5.8E-04	4.2E-04	4.4E-04	5.9E-04
TOTAL HAZARD INDEX	1.9E-02	1.4E-02	2.7E-02	2.3E-02	2.8E-02	1.4E-02	6.8E-02	9.8E-02	1.4E-02	1.5E-02	8.7E-03	8.9E-03	3.6E-02
RESIDENTIAL													
BAP EQUIVALENT-HALFND													
AROCLOR-1260													
ANTIMONY	5.3E-02	1.1E-01	5.7E-03	4.7E-03	1.4E-03	2.4E-03	9.1E-03	7.2E-03	1.3E-03	2.1E-03	4.9E-04	4.7E-04	2.1E-03
ARSENIC	2.3E-01	5.1E-02	1.0E-01	1.1E-01	1.3E-01	7.4E-02	2.8E-01	2.4E-01	4.4E-02	7.9E-02	3.3E-02	3.3E-02	1.1E-01
CADMIUM	3.8E-02	3.5E-02	6.5E-03	3.0E-03	6.2E-04	1.1E-04	3.0E-03	1.1E-02	1.1E-04	3.2E-04	1.1E-04	1.1E-04	1.1E-03
COBALT			8.8E-02	1.4E-01	2.8E-01	2.9E-02	3.9E-01	1.2E+00	6.6E-02	7.9E-02	2.3E-02	2.2E-02	1.8E-01
IRON			1.4E-01	1.1E-01	9.6E-02	1.2E-01	4.8E-01	4.0E-01	1.0E-01	8.8E-02	7.3E-02	8.4E-02	1.9E-01
LEAD													
MANGANESE			9.3E-02	2.8E-02	2.3E-02	8.6E-03	9.3E-02	6.4E-02	2.6E-02	9.8E-03	1.3E-02	8.6E-03	1.1E-01
MERCURY	3.3E-03	3.3E-03	4.8E-03	4.6E-03	3.0E-03	4.8E-04	1.5E-02	2.9E-02	4.8E-04	1.1E-03	4.8E-04	4.8E-04	1.0E-02
MOLYBDENUM			1.2E-03	1.0E-03	8.7E-04	1.1E-03	1.5E-03	1.2E-03	6.0E-04	8.1E-04	3.7E-04	1.8E-04	1.3E-03
NICKEL	9.4E-03	1.6E-02	5.6E-03	5.7E-03	6.1E-03	9.2E-04	2.3E-02	4.4E-02	3.6E-03	3.4E-03	7.0E-04	8.3E-04	8.4E-03
VANADIUM			3.7E-02	4.1E-02	4.0E-02	4.9E-02	9.0E-02	7.7E-02	3.2E-02	4.6E-02	2.9E-02	3.2E-02	4.4E-02
HEXAVALENT CHROMIUM	1.6E-02	9.5E-03	4.1E-03	4.1E-03	3.8E-03	6.4E-03	9.4E-03	8.4E-03	5.6E-03	5.1E-03	3.7E-03	3.9E-03	5.2E-03
TOTAL HAZARD INDEX	3.5E-01	2.3E-01	4.9E-01	4.6E-01	5.8E-01	3.0E-01	1.4E+00	2.1E+00	2.8E-01	3.1E-01	1.8E-01	1.9E-01	6.5E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-793	SB-794	SB-795	SB-796
SAMPLE ID	D-SB-793-20100909	D-SB-794-20100909	D-SB-795-20100909	D-SB-796-20100910
SAMPLE DATE	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE	SO	SO	SO	SO
MATRIX	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	SS	SS	SS	SS
SUBMATRIX				
TOP DEPTH	1	1	1	1
BOTTOM DEPTH				
INDUSTRIAL				
BAP EQUIVALENT-HALFND				
AROCLOR-1260				
ANTIMONY	2.3E-04	9.4E-04	9.8E-05	8.5E-04
ARSENIC	1.0E-02	9.8E-03	5.9E-03	1.1E-02
CADMIUM	5.8E-05	1.7E-04	6.8E-06	6.6E-05
COBALT	1.4E-02	2.6E-02	2.6E-03	2.0E-02
IRON	1.7E-02	1.6E-02	8.1E-03	1.8E-02
LEAD				
MANGANESE	3.5E-03	1.6E-02	1.4E-03	7.1E-03
MERCURY	3.2E-04	8.0E-03	4.3E-04	2.6E-03
MOLYBDENUM	5.0E-05	5.8E-05	2.9E-05	6.8E-05
NICKEL	1.6E-03	2.3E-03	2.9E-04	2.6E-03
VANADIUM	4.8E-03	2.9E-03	2.1E-03	3.2E-03
HEXAVALENT CHROMIUM	1.1E-03	8.3E-04	1.3E-03	9.9E-04
TOTAL HAZARD INDEX	5.3E-02	8.3E-02	2.2E-02	6.7E-02
RESIDENTIAL				
BAP EQUIVALENT-HALFND				
AROCLOR-1260				
ANTIMONY	3.8E-03	1.6E-02	1.6E-03	1.4E-02
ARSENIC	2.1E-01	2.0E-01	1.2E-01	2.3E-01
CADMIUM	1.3E-03	3.6E-03	1.5E-04	1.4E-03
COBALT	3.4E-01	6.2E-01	6.1E-02	4.8E-01
IRON	4.0E-01	3.8E-01	1.9E-01	4.3E-01
LEAD				
MANGANESE	3.6E-02	1.7E-01	1.4E-02	7.3E-02
MERCURY	4.1E-03	1.0E-01	5.4E-03	3.3E-02
MOLYBDENUM	1.2E-03	1.4E-03	6.8E-04	1.6E-03
NICKEL	1.6E-02	2.3E-02	2.9E-03	2.7E-02
VANADIUM	1.1E-01	6.8E-02	5.1E-02	7.6E-02
HEXAVALENT CHROMIUM	9.8E-03	7.3E-03	1.2E-02	8.7E-03
TOTAL HAZARD INDEX	1.1E+00	1.6E+00	4.6E-01	1.4E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-031	SB-032	SB-033	SB-057									
SAMPLE ID	SB-31-05	SB-32-05	SB-33-05	F-SB-57RE-10	F-SB-57RE-3	F-SB-57RE-4	F-SB-57RE-5	F-SB-57RE-6	F-SB-57RE-7	F-SB-57RE-8	F-SB-57RE-9	SB-57-05	SB-57-10
SAMPLE DATE	20031118	20031121	20031121	20090917	20090917	20090917	20090917	20090917	20090917	20090917	20090917	20040913	20040913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	10	3	4	5	6	7	8	9	5	10
BOTTOM DEPTH	5	5	5	10	3	4	5	6	7	8	9	5	10
INDUSTRIAL													
BAP EQUIVALENT-HALFND	6.9E-07	1.5E-06	3.3E-06	2.9E-09	2.4E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09		
NAPHTHALENE	1.3E-10	4.1E-09	1.5E-10									1.3E-10	1.3E-10
AROCLOR-1260	2.9E-08	3.3E-08	3.4E-08									1.4E-07	1.6E-07
ARSENIC		9.1E-07	1.8E-06									2.4E-07	6.6E-07
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM	7.4E-07	5.0E-07	6.3E-07									2.4E-07	2.6E-07
TOTAL CANCER RISK	1.5E-06	3.0E-06	5.7E-06	2.9E-09	2.4E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	6.1E-07	1.1E-06
RESIDENTIAL													
BAP EQUIVALENT-HALFND	1.5E-05	3.3E-05	7.1E-05	6.4E-08	5.3E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08		
NAPHTHALENE	6.5E-10		7.6E-10									6.5E-10	6.5E-10
AROCLOR-1260	1.5E-07	1.7E-07	1.7E-07									6.9E-07	7.9E-07
ARSENIC		7.1E-06	1.4E-05									1.9E-06	5.1E-06
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM	1.1E-05	7.4E-06	9.5E-06									3.6E-06	3.9E-06
TOTAL CANCER RISK	2.6E-05	4.8E-05	9.5E-05	6.4E-08	5.3E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.1E-06	9.8E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-058										
SAMPLE ID	F-SB-58RE-10	F-SB-58RE-3	F-SB-58RE-4	F-SB-58RE-5	F-SB-58RE-6	F-SB-58RE-7	F-SB-58RE-8	F-SB-58RE-8-AVG	F-SB-58RE-8-D	F-SB-58RE-9	SB-58-05
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	8	8	8	9	5
BOTTOM DEPTH	10	3	4	5	6	7	8	8	8	9	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.4E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09	5.5E-07	2.8E-09	2.2E-08	4.0E-08	1.5E-06	3.5E-07
NAPHTHALENE											1.3E-10
AROCLOR-1260											1.5E-07
ARSENIC											8.4E-07
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											5.2E-07
TOTAL CANCER RISK	1.4E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09	5.5E-07	2.8E-09	2.2E-08	4.0E-08	1.5E-06	1.9E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	3.1E-06	6.0E-08	5.6E-08	5.6E-08	5.6E-08	1.2E-05	6.0E-08	4.7E-07	8.7E-07	3.3E-05	7.5E-06
NAPHTHALENE											6.5E-10
AROCLOR-1260											7.7E-07
ARSENIC											6.6E-06
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											7.9E-06
TOTAL CANCER RISK	3.1E-06	6.0E-08	5.6E-08	5.6E-08	5.6E-08	1.2E-05	6.0E-08	4.7E-07	8.7E-07	3.3E-05	2.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-058A				SB-058B				
SAMPLE ID	SB-58-10	F-SB-58REA-10	F-SB-58REA-4	F-SB-58REA-6	F-SB-58REA-8	F-SB-58REB-10	F-SB-58REB-4	F-SB-58REB-4-AVG	F-SB-58REB-4-D	F-SB-58REB-6
SAMPLE DATE	20040913	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	4	6	8	10	4	4	4	6
BOTTOM DEPTH	10	10	4	6	8	10	4	4	4	6
INDUSTRIAL										
BAP EQUIVALENT-HALFND		9.4E-08	5.5E-08	4.2E-07	1.0E-07	5.4E-08	1.4E-07	1.0E-07	6.6E-08	2.9E-07
NAPHTHALENE	1.3E-10									
AROCLOR-1260	1.5E-07									
ARSENIC	1.5E-06									
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM	4.1E-07									
TOTAL CANCER RISK	2.1E-06	9.4E-08	5.5E-08	4.2E-07	1.0E-07	5.4E-08	1.4E-07	1.0E-07	6.6E-08	2.9E-07
RESIDENTIAL										
BAP EQUIVALENT-HALFND		2.0E-06	1.2E-06	9.1E-06	2.2E-06	1.2E-06	3.0E-06	2.2E-06	1.4E-06	6.4E-06
NAPHTHALENE	6.5E-10									
AROCLOR-1260	7.7E-07									
ARSENIC	1.2E-05									
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM	6.2E-06									
TOTAL CANCER RISK	1.9E-05	2.0E-06	1.2E-06	9.1E-06	2.2E-06	1.2E-06	3.0E-06	2.2E-06	1.4E-06	6.4E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-058C				SB-058D				SB-059	
SAMPLE ID	F-SB-58REB-8	F-SB-58REC-10	F-SB-58REC-4	F-SB-58REC-6	F-SB-58REC-8	F-SB-58RED-10	F-SB-58RED-4	F-SB-58RED-6	F-SB-58RED-8	SB-59-05	SB-59-10
SAMPLE DATE	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20040923	20040923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	10	4	6	8	10	4	6	8	5	10
BOTTOM DEPTH	8	10	4	6	8	10	4	6	8	5	10
INDUSTRIAL											
BAP EQUIVALENT-HALFND	9.2E-09	5.8E-08	8.6E-08	1.5E-07	1.7E-08	5.8E-08	3.2E-07	1.6E-06	1.3E-07	1.1E-05	1.0E-05
NAPHTHALENE										1.3E-10	1.3E-10
AROCLOR-1260										1.4E-07	1.4E-07
ARSENIC										1.4E-06	9.1E-07
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM										8.3E-07	3.9E-07
TOTAL CANCER RISK	9.2E-09	5.8E-08	8.6E-08	1.5E-07	1.7E-08	5.8E-08	3.2E-07	1.6E-06	1.3E-07	1.3E-05	1.2E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.0E-07	1.3E-06	1.9E-06	3.3E-06	3.6E-07	1.3E-06	7.0E-06	3.6E-05	2.9E-06	2.3E-04	2.2E-04
NAPHTHALENE										6.5E-10	6.5E-10
AROCLOR-1260										6.9E-07	7.2E-07
ARSENIC										1.1E-05	7.1E-06
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM										1.2E-05	5.8E-06
TOTAL CANCER RISK	2.0E-07	1.3E-06	1.9E-06	3.3E-06	3.6E-07	1.3E-06	7.0E-06	3.6E-05	2.9E-06	2.6E-04	2.3E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-060										
SAMPLE ID	D-SB-60RE-10	D-SB-60RE-3	D-SB-60RE-4	D-SB-60RE-5	D-SB-60RE-6	D-SB-60RE-7	D-SB-60RE-8	D-SB-60RE-8-AVG	D-SB-60RE-8-D	D-SB-60RE-9	SB-60-05
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915	20090915	20090915	20090915	20090915	20040924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	8	8	8	9	5
BOTTOM DEPTH	10	3	4	5	6	7	8	8	8	9	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	1.2E-08	9.4E-08	7.0E-06	2.8E-09	2.9E-09	2.9E-09	2.9E-09	2.8E-09	2.6E-09	
NAPHTHALENE											1.3E-10
AROCLOR-1260											1.5E-07
ARSENIC											3.7E-07
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											1.7E-06
TOTAL CANCER RISK	2.6E-09	1.2E-08	9.4E-08	7.0E-06	2.8E-09	2.9E-09	2.9E-09	2.9E-09	2.8E-09	2.6E-09	2.2E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	2.6E-07	2.0E-06	1.5E-04	6.0E-08	6.4E-08	6.4E-08	6.2E-08	6.0E-08	5.6E-08	
NAPHTHALENE											6.5E-10
AROCLOR-1260											7.4E-07
ARSENIC											2.8E-06
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											2.5E-05
TOTAL CANCER RISK	5.6E-08	2.6E-07	2.0E-06	1.5E-04	6.0E-08	6.4E-08	6.4E-08	6.2E-08	6.0E-08	5.6E-08	2.8E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-060A					SB-060B			
SAMPLE ID	SB-60-10	D-SB-60REA-3	D-SB-60REA-3-AVG	D-SB-60REA-3-D	D-SB-60REA-5	D-SB-60REA-7	D-SB-60REB-3	D-SB-60REB-5	D-SB-60REB-7	D-SB-60REC-3
SAMPLE DATE	20040924	20091012	20091012	20091012	20091012	20091012	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	3	3	5	7	3	5	7	3
BOTTOM DEPTH	10	3	3	3	5	7	3	5	7	3
INDUSTRIAL										
BAP EQUIVALENT-HALFND		1.2E-06	3.0E-06	4.7E-06	6.9E-08	2.6E-09	2.6E-09	1.6E-07	1.1E-07	2.8E-09
NAPHTHALENE	1.3E-10									
AROCLOR-1260	1.4E-07									
ARSENIC	8.8E-07									
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM	3.3E-06									
TOTAL CANCER RISK	4.3E-06	1.2E-06	3.0E-06	4.7E-06	6.9E-08	2.6E-09	2.6E-09	1.6E-07	1.1E-07	2.8E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND		2.7E-05	6.4E-05	1.0E-04	1.5E-06	5.6E-08	5.6E-08	3.4E-06	2.5E-06	6.0E-08
NAPHTHALENE	6.5E-10									
AROCLOR-1260	7.2E-07									
ARSENIC	6.8E-06									
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM	5.0E-05									
TOTAL CANCER RISK	5.7E-05	2.7E-05	6.4E-05	1.0E-04	1.5E-06	5.6E-08	5.6E-08	3.4E-06	2.5E-06	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-060C		SB-060D							
SAMPLE ID	D-SB-60REC-5	D-SB-60REC-7	D-SB-60RED-3	D-SB-60RED-5	D-SB-60RED-7	D-SB-60RED-7-AVG	D-SB-60RED-7-D	D-SB-61RE-10	D-SB-61RE-3	D-SB-61RE-4
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20090916	20090916	20090916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	5	7	7	7	10	3	4
BOTTOM DEPTH	5	7	3	5	7	7	7	10	3	4
INDUSTRIAL										
BAP EQUIVALENT-HALFND	4.8E-08	2.6E-09	7.0E-07	1.5E-07	2.8E-09	2.7E-09	2.6E-09	1.2E-06	1.0E-08	1.1E-08
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	4.8E-08	2.6E-09	7.0E-07	1.5E-07	2.8E-09	2.7E-09	2.6E-09	1.2E-06	1.0E-08	1.1E-08
RESIDENTIAL										
BAP EQUIVALENT-HALFND	1.0E-06	5.6E-08	1.5E-05	3.2E-06	6.0E-08	5.8E-08	5.6E-08	2.6E-05	2.2E-07	2.4E-07
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.0E-06	5.6E-08	1.5E-05	3.2E-06	6.0E-08	5.8E-08	5.6E-08	2.6E-05	2.2E-07	2.4E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-061							SB-061A			
SAMPLE ID	D-SB-61RE-5	D-SB-61RE-6	D-SB-61RE-7	D-SB-61RE-8	D-SB-61RE-9	SB-61-05	SB-61-10	D-SB-61REA-3	D-SB-61REA-3-AVG	D-SB-61REA-3-D	D-SB-61REA-5
SAMPLE DATE	20090916	20090916	20090916	20090916	20090916	20040924	20040924	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5	10	3	3	3	5
BOTTOM DEPTH	5	6	7	8	9	5	10	3	3	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	3.5E-07	2.8E-09	2.6E-09	2.8E-09	2.6E-09			2.6E-09	2.7E-09	2.8E-09	2.6E-09
NAPHTHALENE						1.5E-10	1.3E-10				
AROCLOR-1260						1.6E-07	1.4E-07				
ARSENIC						6.6E-07	9.3E-08				
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM						5.2E-07	3.3E-07				
TOTAL CANCER RISK	3.5E-07	2.8E-09	2.6E-09	2.8E-09	2.6E-09	1.3E-06	5.7E-07	2.6E-09	2.7E-09	2.8E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	7.6E-06	6.0E-08	5.6E-08	6.0E-08	5.6E-08			5.6E-08	5.8E-08	6.0E-08	5.6E-08
NAPHTHALENE						7.6E-10	6.5E-10				
AROCLOR-1260						8.2E-07	7.2E-07				
ARSENIC						5.1E-06	7.3E-07				
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM						7.9E-06	5.0E-06				
TOTAL CANCER RISK	7.6E-06	6.0E-08	5.6E-08	6.0E-08	5.6E-08	1.4E-05	6.4E-06	5.6E-08	5.8E-08	6.0E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION			SB-061B				SB-061C			
SAMPLE ID	D-SB-61REA-7	D-SB-61REA-9	D-SB-61REB-3	D-SB-61REB-5	D-SB-61REB-7	D-SB-61REB-9	D-SB-61REC-3	D-SB-61REC-5	D-SB-61REC-7	D-SB-61REC-9
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.6E-09	1.7E-07	2.6E-09	2.6E-09	2.6E-09	8.9E-07	2.6E-09	4.9E-08	2.6E-09	2.3E-06
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.6E-09	1.7E-07	2.6E-09	2.6E-09	2.6E-09	8.9E-07	2.6E-09	4.9E-08	2.6E-09	2.3E-06
RESIDENTIAL										
BAP EQUIVALENT-HALFND	5.6E-08	3.6E-06	5.6E-08	5.6E-08	5.6E-08	1.9E-05	5.6E-08	1.1E-06	5.6E-08	4.9E-05
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.6E-08	3.6E-06	5.6E-08	5.6E-08	5.6E-08	1.9E-05	5.6E-08	1.1E-06	5.6E-08	4.9E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-061D				SB-062						
SAMPLE ID	D-SB-61RED-3	D-SB-61RED-5	D-SB-61RED-7	D-SB-61RED-9	D-SB-62RE-10	D-SB-62RE-3	D-SB-62RE-4	D-SB-62RE-5	D-SB-62RE-6	D-SB-62RE-7	D-SB-62RE-8
SAMPLE DATE	20091012	20091012	20091012	20091012	20090914	20090914	20090914	20090914	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	10	3	4	5	6	7	8
BOTTOM DEPTH	3	5	7	9	10	3	4	5	6	7	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	3.6E-08	2.6E-09	1.1E-07	2.6E-09	1.5E-07	2.4E-07	5.3E-07	7.4E-07	2.7E-07	2.3E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	3.6E-08	2.6E-09	1.1E-07	2.6E-09	1.5E-07	2.4E-07	5.3E-07	7.4E-07	2.7E-07	2.3E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	7.8E-07	5.6E-08	2.3E-06	5.6E-08	3.3E-06	5.2E-06	1.1E-05	1.6E-05	5.8E-06	4.9E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	7.8E-07	5.6E-08	2.3E-06	5.6E-08	3.3E-06	5.2E-06	1.1E-05	1.6E-05	5.8E-06	4.9E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION				SB-062A				SB-062B			
SAMPLE ID	D-SB-62RE-9	SB-62-05	SB-62-10	D-SB-62REA-3	D-SB-62REA-5	D-SB-62REA-7	D-SB-62REA-9	D-SB-62REB-3	D-SB-62REB-5	D-SB-62REB-7	D-SB-62REB-7-AVG
SAMPLE DATE	20090914	20040923	20040923	20091015	20091015	20091015	20091015	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	10	3	5	7	9	3	5	7	7
BOTTOM DEPTH	9	5	10	3	5	7	9	3	5	7	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	4.7E-06			2.1E-07	1.5E-05	8.3E-07	1.7E-05	2.2E-07	9.8E-07	1.5E-06	9.2E-07
NAPHTHALENE		1.3E-10	1.3E-10								
AROCLOR-1260		1.4E-07	1.4E-07								
ARSENIC		6.2E-07	9.7E-08								
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM		4.4E-07	9.9E-08								
TOTAL CANCER RISK	4.7E-06	1.2E-06	3.4E-07	2.1E-07	1.5E-05	8.3E-07	1.7E-05	2.2E-07	9.8E-07	1.5E-06	9.2E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.0E-04			4.6E-06	3.2E-04	1.8E-05	3.7E-04	4.7E-06	2.1E-05	3.3E-05	2.0E-05
NAPHTHALENE		6.5E-10	6.5E-10								
AROCLOR-1260		7.2E-07	7.2E-07								
ARSENIC		4.8E-06	7.6E-07								
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM		6.6E-06	1.5E-06								
TOTAL CANCER RISK	1.0E-04	1.2E-05	3.0E-06	4.6E-06	3.2E-04	1.8E-05	3.7E-04	4.7E-06	2.1E-05	3.3E-05	2.0E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION			SB-062C				SB-062D			
SAMPLE ID	D-SB-62REB-7-D	D-SB-62REB-9	D-SB-62REC-3	D-SB-62REC-5	D-SB-62REC-7	D-SB-62REC-9	D-SB-62RED-5	D-SB-62RED-7	D-SB-62RED-9	D-SB-63RE-10
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015	20091014	20091014	20091014	20090915
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	5	7	9	10
BOTTOM DEPTH	7	9	3	5	7	9	5	7	9	10
INDUSTRIAL										
BAP EQUIVALENT-HALFND	3.3E-07	2.6E-09	6.0E-07	1.6E-07	4.5E-07	2.6E-09	2.0E-07	9.2E-08	2.6E-09	2.9E-09
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.3E-07	2.6E-09	6.0E-07	1.6E-07	4.5E-07	2.6E-09	2.0E-07	9.2E-08	2.6E-09	2.9E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	7.1E-06	5.6E-08	1.3E-05	3.4E-06	9.8E-06	5.6E-08	4.4E-06	2.0E-06	5.6E-08	6.4E-08
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	7.1E-06	5.6E-08	1.3E-05	3.4E-06	9.8E-06	5.6E-08	4.4E-06	2.0E-06	5.6E-08	6.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-063									SB-063A		SB-(
SAMPLE ID	D-SB-63RE-3	D-SB-63RE-4	D-SB-63RE-5	D-SB-63RE-6	D-SB-63RE-7	D-SB-63RE-8	D-SB-63RE-9	SB-63-05	SB-63-10	D-SB-63REA-4	D-SB-63REA-6	D-SB-63REB-4
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090915	20090915	20040924	20040924	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	7	8	9	5	10	4	6	4
BOTTOM DEPTH	3	4	5	6	7	8	9	5	10	4	6	4
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.3E-06	5.4E-07	3.3E-08	2.9E-09	1.4E-07	7.2E-08	2.9E-09	5.2E-07		4.0E-08	2.6E-09	2.8E-09
NAPHTHALENE								1.3E-10	1.5E-10			
AROCLOR-1260								1.5E-07	1.6E-07			
ARSENIC								4.4E-07	1.2E-07			
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM								6.1E-07	6.1E-07			
TOTAL CANCER RISK	1.3E-06	5.4E-07	3.3E-08	2.9E-09	1.4E-07	7.2E-08	2.9E-09	1.7E-06	8.9E-07	4.0E-08	2.6E-09	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.8E-05	1.2E-05	7.1E-07	6.4E-08	3.0E-06	1.6E-06	6.4E-08	1.1E-05		8.6E-07	5.6E-08	6.0E-08
NAPHTHALENE								6.5E-10	7.6E-10			
AROCLOR-1260								7.4E-07	8.2E-07			
ARSENIC								3.4E-06	9.3E-07			
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM								9.1E-06	9.1E-06			
TOTAL CANCER RISK	2.8E-05	1.2E-05	7.1E-07	6.4E-08	3.0E-06	1.6E-06	6.4E-08	2.4E-05	1.1E-05	8.6E-07	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	)63B	SB-063C		SB-063D		SB-064				
SAMPLE ID	D-SB-63REB-6	D-SB-63REC-4	D-SB-63REC-6	D-SB-63RED-4	D-SB-63RED-6	SB-64-05	D-SB-65RE-10	D-SB-65RE-3	D-SB-65RE-5	D-SB-65RE-5-AVG
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20040924	20090916	20090916	20090916	20090916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	4	6	4	6	5	10	3	5	5
BOTTOM DEPTH	6	4	6	4	6	5	10	3	5	5
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.8E-09	1.6E-07	2.6E-09	2.8E-09	2.6E-09	7.1E-07	2.6E-09	5.2E-08	2.8E-09	2.8E-09
NAPHTHALENE						1.3E-10				
AROCLOR-1260						1.5E-07				
ARSENIC						2.9E-07				
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM						7.2E-07				
TOTAL CANCER RISK	2.8E-09	1.6E-07	2.6E-09	2.8E-09	2.6E-09	1.9E-06	2.6E-09	5.2E-08	2.8E-09	2.8E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	6.0E-08	3.5E-06	5.6E-08	6.0E-08	5.6E-08	1.5E-05	5.6E-08	1.1E-06	6.0E-08	6.0E-08
NAPHTHALENE						6.5E-10				
AROCLOR-1260						7.4E-07				
ARSENIC						2.3E-06				
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM						1.1E-05				
TOTAL CANCER RISK	6.0E-08	3.5E-06	5.6E-08	6.0E-08	5.6E-08	2.9E-05	5.6E-08	1.1E-06	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-065											SB
SAMPLE ID	D-SB-65RE-5-D	D-SB-65RE-6	D-SB-65RE-7	D-SB-65RE-8	D-SB-65RE-9	SB-65-05	SB-65-10	D-SB-66RE-3	D-SB-66RE-4	D-SB-66RE-5	D-SB-66RE-6	D-SB-66RE-7
SAMPLE DATE	20090916	20090916	20090916	20090916	20090916	20040917	20040917	20090914	20090914	20090914	20090914	20090914
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	5	10	3	4	5	6	7
BOTTOM DEPTH	5	6	7	8	9	5	10	3	4	5	6	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09			2.6E-09	2.6E-09	1.6E-07	1.6E-07	2.8E-09
NAPHTHALENE						1.3E-10	1.3E-10					
AROCLOR-1260						1.5E-07	1.4E-07					
ARSENIC						7.3E-07	1.1E-07					
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM						9.6E-07	4.4E-07					
TOTAL CANCER RISK	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	1.9E-06	6.9E-07	2.6E-09	2.6E-09	1.6E-07	1.6E-07	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08			5.6E-08	5.6E-08	3.5E-06	3.4E-06	6.0E-08
NAPHTHALENE						6.5E-10	6.5E-10					
AROCLOR-1260						7.7E-07	7.2E-07					
ARSENIC						5.7E-06	8.3E-07					
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM						1.4E-05	6.6E-06					
TOTAL CANCER RISK	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	2.1E-05	8.2E-06	5.6E-08	5.6E-08	3.5E-06	3.4E-06	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	-066					SB-066A	SB-066B	SB-066C		
SAMPLE ID	D-SB-66RE-8	D-SB-66RE-8-AVG	D-SB-66RE-8-D	SB-66-05	SB-66-10	D-SB-66REA-4	D-SB-66REB-4	D-SB-66REC-4	D-SB-66RED-3	D-SB-66RED-4
SAMPLE DATE	20090914	20090914	20090914	20040923	20040923	20091014	20091014	20091014	20091014	20091014
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	8	5	10	4	4	4	3	4
BOTTOM DEPTH	8	8	8	5	10	4	4	4	3	4
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.6E-09	2.7E-09	2.8E-09		1.4E-06	2.6E-09	1.2E-08	2.6E-09	2.2E-07	2.6E-09
NAPHTHALENE				1.3E-10	1.3E-10					
AROCLOR-1260				1.4E-07	1.4E-07					
ARSENIC				5.1E-07	5.5E-07					
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM				6.1E-07	3.0E-07					
TOTAL CANCER RISK	2.6E-09	2.7E-09	2.8E-09	1.3E-06	2.4E-06	2.6E-09	1.2E-08	2.6E-09	2.2E-07	2.6E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	5.6E-08	5.8E-08	6.0E-08		3.0E-05	5.6E-08	2.5E-07	5.6E-08	4.7E-06	5.6E-08
NAPHTHALENE				6.5E-10	6.5E-10					
AROCLOR-1260				7.2E-07	7.2E-07					
ARSENIC				4.0E-06	4.3E-06					
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM				9.1E-06	4.5E-06					
TOTAL CANCER RISK	5.6E-08	5.8E-08	6.0E-08	1.4E-05	4.0E-05	5.6E-08	2.5E-07	5.6E-08	4.7E-06	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-066D		SB-067		SB-239					
SAMPLE ID	D-SB-66RED-4-AVG	D-SB-66RED-4-D	SB-67-05	SB-67-10	D-SB-239RE-10	D-SB-239RE-3	D-SB-239RE-4	D-SB-239RE-5	D-SB-239RE-6	D-SB-239RE-7
SAMPLE DATE	20091014	20091014	20040927	20040927	20091006	20090914	20090914	20090914	20090914	20091006
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	5	10	10	3	4	5	6	7
BOTTOM DEPTH	4	4	5	10	10	3	4	5	6	7
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.9E-08	5.5E-08	8.5E-07	7.1E-07	9.1E-08	1.1E-08	9.1E-08	8.2E-08	7.2E-07	1.4E-06
NAPHTHALENE			1.5E-10	1.3E-10						
AROCLOR-1260			1.8E-07	1.5E-07						
ARSENIC			4.4E-07	4.4E-07						
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM			1.1E-06	3.6E-07						
TOTAL CANCER RISK	2.9E-08	5.5E-08	2.6E-06	1.7E-06	9.1E-08	1.1E-08	9.1E-08	8.2E-08	7.2E-07	1.4E-06
RESIDENTIAL										
BAP EQUIVALENT-HALFND	6.3E-07	1.2E-06	1.8E-05	1.5E-05	2.0E-06	2.5E-07	2.0E-06	1.8E-06	1.6E-05	3.1E-05
NAPHTHALENE			7.6E-10	6.5E-10						
AROCLOR-1260			8.9E-07	7.4E-07						
ARSENIC			3.4E-06	3.4E-06						
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM			1.7E-05	5.4E-06						
TOTAL CANCER RISK	6.3E-07	1.2E-06	4.0E-05	2.5E-05	2.0E-06	2.5E-07	2.0E-06	1.8E-06	1.6E-05	3.1E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION			SB-240							
SAMPLE ID	D-SB-239RE-8	D-SB-239RE-9	D-SB-240RE-10	D-SB-240RE-3	D-SB-240RE-4	D-SB-240RE-6	D-SB-240RE-7	D-SB-240RE-8	D-SB-240RE-8-AVG	D-SB-240RE-8-D
SAMPLE DATE	20091006	20091006	20090915	20090914	20090914	20090915	20090914	20090914	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	10	3	4	6	7	8	8	8
BOTTOM DEPTH	8	9	10	3	4	6	7	8	8	8
INDUSTRIAL										
BAP EQUIVALENT-HALFND	1.3E-06	6.2E-06	3.9E-07	7.0E-07	4.7E-07	6.5E-07	1.9E-05	9.5E-09	5.4E-08	9.8E-08
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.3E-06	6.2E-06	3.9E-07	7.0E-07	4.7E-07	6.5E-07	1.9E-05	9.5E-09	5.4E-08	9.8E-08
RESIDENTIAL										
BAP EQUIVALENT-HALFND	2.8E-05	1.4E-04	8.4E-06	1.5E-05	1.0E-05	1.4E-05	4.1E-04	2.1E-07	1.2E-06	2.1E-06
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.8E-05	1.4E-04	8.4E-06	1.5E-05	1.0E-05	1.4E-05	4.1E-04	2.1E-07	1.2E-06	2.1E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-240A						SB-240B		
SAMPLE ID	D-SB-240REA-3	D-SB-240REA-5	D-SB-240REA-7	D-SB-240REA-7-AVG	D-SB-240REA-7-D	D-SB-240REA-9	D-SB-240REB-3	D-SB-240REB-5	D-SB-240REB-7
SAMPLE DATE	20091014	20091014	20091014	20091014	20091014	20091014	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	9	3	5	7
BOTTOM DEPTH	3	5	7	7	7	9	3	5	7
INDUSTRIAL									
BAP EQUIVALENT-HALFND	1.6E-07	1.1E-06	1.6E-08	3.4E-08	5.3E-08	1.2E-08	1.3E-07	8.5E-09	2.8E-09
NAPHTHALENE									
AROCLOR-1260									
ARSENIC									
COBALT									
IRON									
LEAD									
MANGANESE									
MERCURY									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	1.6E-07	1.1E-06	1.6E-08	3.4E-08	5.3E-08	1.2E-08	1.3E-07	8.5E-09	2.8E-09
RESIDENTIAL									
BAP EQUIVALENT-HALFND	3.5E-06	2.5E-05	3.5E-07	7.5E-07	1.2E-06	2.5E-07	2.8E-06	1.8E-07	6.0E-08
NAPHTHALENE									
AROCLOR-1260									
ARSENIC									
COBALT									
IRON									
LEAD									
MANGANESE									
MERCURY									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	3.5E-06	2.5E-05	3.5E-07	7.5E-07	1.2E-06	2.5E-07	2.8E-06	1.8E-07	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-240C							SB-2
SAMPLE ID	D-SB-240REB-9	D-SB-240REC-3	D-SB-240REC-3-AVG	D-SB-240REC-3-D	D-SB-240REC-5	D-SB-240REC-7	D-SB-240REC-9	D-SB-240RED-3	D-SB-240RED-5
SAMPLE DATE	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	3	3	5	7	9	3	5
BOTTOM DEPTH	9	3	3	3	5	7	9	3	5
INDUSTRIAL									
BAP EQUIVALENT-HALFND	2.6E-09	3.7E-07	2.3E-07	9.2E-08	1.7E-05	2.6E-09	5.9E-08	1.7E-07	2.0E-05
NAPHTHALENE									
AROCLOR-1260									
ARSENIC									
COBALT									
IRON									
LEAD									
MANGANESE									
MERCURY									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	2.6E-09	3.7E-07	2.3E-07	9.2E-08	1.7E-05	2.6E-09	5.9E-08	1.7E-07	2.0E-05
RESIDENTIAL									
BAP EQUIVALENT-HALFND	5.6E-08	8.1E-06	5.1E-06	2.0E-06	3.7E-04	5.6E-08	1.3E-06	3.7E-06	4.3E-04
NAPHTHALENE									
AROCLOR-1260									
ARSENIC									
COBALT									
IRON									
LEAD									
MANGANESE									
MERCURY									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	5.6E-08	8.1E-06	5.1E-06	2.0E-06	3.7E-04	5.6E-08	1.3E-06	3.7E-06	4.3E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	240D		SB-243							
SAMPLE ID	D-SB-240RED-7	D-SB-240RED-9	D-SB-243RE-10	D-SB-243RE-3	D-SB-243RE-4	D-SB-243RE-5	D-SB-243RE-6	D-SB-243RE-7	D-SB-243RE-8	D-SB-243RE-8-AVG
SAMPLE DATE	20091013	20091013	20090915	20090915	20090915	20090915	20090915	20090915	20090915	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	10	3	4	5	6	7	8	8
BOTTOM DEPTH	7	9	10	3	4	5	6	7	8	8
INDUSTRIAL										
BAP EQUIVALENT-HALFND	4.9E-08	2.8E-06	2.8E-09	2.1E-07	7.5E-08	7.1E-08	1.1E-07	5.3E-08	2.8E-09	8.7E-09
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	4.9E-08	2.8E-06	2.8E-09	2.1E-07	7.5E-08	7.1E-08	1.1E-07	5.3E-08	2.8E-09	8.7E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	1.1E-06	6.1E-05	6.0E-08	4.6E-06	1.6E-06	1.5E-06	2.4E-06	1.2E-06	6.0E-08	1.9E-07
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.1E-06	6.1E-05	6.0E-08	4.6E-06	1.6E-06	1.5E-06	2.4E-06	1.2E-06	6.0E-08	1.9E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION			SB-243A	SB-243B	SB-243C	SB-243D			SB-244	
SAMPLE ID	D-SB-243RE-8-D	D-SB-243RE-9	D-SB-243REA-4	D-SB-243REB-4	D-SB-243REC-4	D-SB-243RED-4	D-SB-243RED-4-AVG	D-SB-243RED-4-D	SB-244-05	SB-244-10
SAMPLE DATE	20090915	20090915	20091012	20091012	20091012	20091012	20091012	20091012	20050607	20050607
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	4	4	4	4	4	4	5	10
BOTTOM DEPTH	8	9	4	4	4	4	4	4	5	10
INDUSTRIAL										
BAP EQUIVALENT-HALFND	1.5E-08	2.9E-09	3.0E-07	9.1E-09	2.9E-09	8.9E-08	7.5E-08	6.1E-08		
NAPHTHALENE										
AROCLOR-1260									1.9E-08	1.9E-08
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.5E-08	2.9E-09	3.0E-07	9.1E-09	2.9E-09	8.9E-08	7.5E-08	6.1E-08	1.9E-08	1.9E-08
RESIDENTIAL										
BAP EQUIVALENT-HALFND	3.2E-07	6.4E-08	6.4E-06	2.0E-07	6.4E-08	1.9E-06	1.6E-06	1.3E-06		
NAPHTHALENE										
AROCLOR-1260									9.4E-08	9.4E-08
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.2E-07	6.4E-08	6.4E-06	2.0E-07	6.4E-08	1.9E-06	1.6E-06	1.3E-06	9.4E-08	9.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-245		SB-246		SB-247		SB-248		SB-249		SB-318		
SAMPLE ID	SB-245-05	SB-245-10	SB-246-05	SB-246-10	SB-247-05	SB-247-10	SB-248-05	SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506	SB-318-0809
SAMPLE DATE	20050607	20050607	20050607	20050607	20050607	20050607	20050607	20050607	20050607	20050607	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	10	5	10	2	5	8
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5	10	3	6	9
INDUSTRIAL													
BAP EQUIVALENT-HALFND											2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE													
AROCLOR-1260	1.9E-08	1.9E-08	1.9E-08	2.0E-08	2.0E-08	2.1E-08	2.0E-08	1.9E-08	2.0E-08	1.9E-08			
ARSENIC					1.5E-06	1.5E-07	2.2E-06	2.9E-06	5.5E-07	2.6E-06			
COBALT					2.4E-09	1.4E-09	2.6E-09	6.8E-09	4.5E-09	7.7E-10			
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM					6.1E-07	5.6E-07	6.8E-07	1.0E-06	5.0E-07	1.4E-06			
TOTAL CANCER RISK	1.9E-08	1.9E-08	1.9E-08	2.0E-08	2.1E-06	7.3E-07	2.9E-06	4.0E-06	1.1E-06	3.9E-06	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL													
BAP EQUIVALENT-HALFND											5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE													
AROCLOR-1260	9.7E-08	9.4E-08	9.4E-08	9.9E-08	9.9E-08	1.0E-07	9.9E-08	9.4E-08	9.9E-08	9.7E-08			
ARSENIC					1.1E-05	1.1E-06	1.7E-05	2.3E-05	4.3E-06	2.0E-05			
COBALT					1.2E-08	7.1E-09	1.3E-08	3.4E-08	2.2E-08	3.9E-09			
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM					9.1E-06	8.4E-06	1.0E-05	1.5E-05	7.4E-06	2.0E-05			
TOTAL CANCER RISK	9.7E-08	9.4E-08	9.4E-08	9.9E-08	2.1E-05	9.7E-06	2.7E-05	3.8E-05	1.2E-05	4.0E-05	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-319			SB-320			SB-321			SB-322	
SAMPLE ID	SB-319-0203	SB-319-0506	SB-319-0809	SB-320-0203	SB-320-0506	SB-320-0809	SB-321-0203	SB-321-0506	SB-321-0809	SB-322-0203	SB-322-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	5	8	2	5	8	2	5	8	2	5
BOTTOM DEPTH	3	6	9	3	6	9	3	6	9	3	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	5.2E-08	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	3.3E-06	2.6E-09	2.6E-09	4.5E-08	2.6E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.2E-08	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	3.3E-06	2.6E-09	2.6E-09	4.5E-08	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.1E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	7.1E-05	5.6E-08	5.6E-08	9.8E-07	5.6E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	7.1E-05	5.6E-08	5.6E-08	9.8E-07	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-323			SB-324			SB-325			
SAMPLE ID	SB-322-0809	SB-323-0203	SB-323-0506	SB-323-0809	SB-324-0203	SB-324-0506	SB-324-0809	SB-325-0203	SB-325-0506	SB-325-0809	SB-326-0203
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5	8	2	5	8	2
BOTTOM DEPTH	9	3	6	9	3	6	9	3	6	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.5E-07	2.6E-09	2.6E-09	8.7E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.5E-07	2.6E-09	2.6E-09	8.7E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.4E-06	5.6E-08	5.6E-08	1.9E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.4E-06	5.6E-08	5.6E-08	1.9E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-326		SB-327			SB-328			SB-329		
SAMPLE ID	SB-326-0506	SB-326-0809	SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506	SB-328-0809	SB-329-0203	SB-329-0506	SB-329-0809
SAMPLE DATE	20071031	20071031	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	8	2	5	8	2	5	8	2	5	8
BOTTOM DEPTH	6	9	3	6	9	3	6	9	3	6	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	3.8E-07	4.5E-07	6.6E-07	6.8E-07	5.9E-07	6.9E-07	1.2E-07	9.4E-08	7.1E-07	6.8E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	3.8E-07	4.5E-07	6.6E-07	6.8E-07	5.9E-07	6.9E-07	1.2E-07	9.4E-08	7.1E-07	6.8E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	8.3E-06	9.8E-06	1.4E-05	1.5E-05	1.3E-05	1.5E-05	2.6E-06	2.0E-06	1.5E-05	1.5E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	8.3E-06	9.8E-06	1.4E-05	1.5E-05	1.3E-05	1.5E-05	2.6E-06	2.0E-06	1.5E-05	1.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-330			SB-331			SB-332			SB-333	
SAMPLE ID	SB-330-0203	SB-330-0506	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809	SB-332-0203	SB-332-0506	SB-332-0809	SB-333-0203	SB-333-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	5	8	2	5	8	2	5	8	2	5
BOTTOM DEPTH	3	6	9	3	6	9	3	6	9	3	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	3.8E-07	3.8E-07	6.6E-07	6.9E-08	6.8E-07	6.9E-07	1.3E-07	7.1E-07	2.2E-07	7.1E-07	6.6E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.8E-07	3.8E-07	6.6E-07	6.9E-08	6.8E-07	6.9E-07	1.3E-07	7.1E-07	2.2E-07	7.1E-07	6.6E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	8.3E-06	8.3E-06	1.4E-05	1.5E-06	1.5E-05	1.5E-05	2.9E-06	1.5E-05	4.8E-06	1.5E-05	1.4E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.3E-06	8.3E-06	1.4E-05	1.5E-06	1.5E-05	1.5E-05	2.9E-06	1.5E-05	4.8E-06	1.5E-05	1.4E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-334			SB-335			SB-336			
SAMPLE ID	SB-333-0809	SB-334-0203	SB-334-0506	SB-334-0809	SB-335-0203	SB-335-0506	SB-335-0809	SB-336-0203	SB-336-0506	SB-336-0809	SB-337-0203
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5	8	2	5	8	2
BOTTOM DEPTH	9	3	6	9	3	6	9	3	6	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.6E-07	3.0E-07	2.2E-07	1.0E-07	6.9E-08	4.5E-08	6.9E-07	6.6E-07	7.3E-07	8.3E-08	4.5E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.6E-07	3.0E-07	2.2E-07	1.0E-07	6.9E-08	4.5E-08	6.9E-07	6.6E-07	7.3E-07	8.3E-08	4.5E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.4E-05	6.6E-06	4.8E-06	2.3E-06	1.5E-06	9.8E-07	1.5E-05	1.4E-05	1.6E-05	1.8E-06	9.8E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.4E-05	6.6E-06	4.8E-06	2.3E-06	1.5E-06	9.8E-07	1.5E-05	1.4E-05	1.6E-05	1.8E-06	9.8E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-337		SB-338			SB-339			SB-340		
SAMPLE ID	SB-337-0506	SB-337-0809	SB-338-0203	SB-338-0506	SB-338-0809	SB-339-0203	SB-339-0506	SB-339-0809	SB-340-0203	SB-340-0506	SB-340-0809
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	8	2	5	8	2	5	8	2	5	8
BOTTOM DEPTH	6	9	3	6	9	3	6	9	3	6	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.4E-06	7.3E-06	1.4E-07	1.7E-07	6.9E-07	4.9E-08	2.8E-09	2.6E-09	3.8E-07	1.0E-07	2.9E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.4E-06	7.3E-06	1.4E-07	1.7E-07	6.9E-07	4.9E-08	2.8E-09	2.6E-09	3.8E-07	1.0E-07	2.9E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.3E-05	1.6E-04	3.0E-06	3.8E-06	1.5E-05	1.1E-06	6.0E-08	5.6E-08	8.3E-06	2.3E-06	6.4E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.3E-05	1.6E-04	3.0E-06	3.8E-06	1.5E-05	1.1E-06	6.0E-08	5.6E-08	8.3E-06	2.3E-06	6.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-341			SB-342			SB-343			SB-344	
SAMPLE ID	SB-341-0203	SB-341-0506	SB-341-0809	SB-342-0203	SB-342-0506	SB-342-0809	SB-343-0203	SB-343-0506	SB-343-0809	SB-344-0203	SB-344-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	5	8	2	5	8	2	5	8	2	5
BOTTOM DEPTH	3	6	9	3	6	9	3	6	9	3	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	8.0E-08	8.7E-08	1.3E-07	2.7E-07	5.9E-08	3.6E-09	3.8E-08	2.9E-09	2.8E-09	2.8E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.0E-08	8.7E-08	1.3E-07	2.7E-07	5.9E-08	3.6E-09	3.8E-08	2.9E-09	2.8E-09	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.7E-06	1.9E-06	2.9E-06	5.9E-06	1.3E-06	7.9E-08	8.3E-07	6.4E-08	6.0E-08	6.0E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.7E-06	1.9E-06	2.9E-06	5.9E-06	1.3E-06	7.9E-08	8.3E-07	6.4E-08	6.0E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-592									SB-592A	
SAMPLE ID	SB-344-0809	D-SB-592-10	D-SB-592-10-AVG	D-SB-592-10-D	D-SB-592-3	D-SB-592-4	D-SB-592-5	D-SB-592-6	D-SB-592-9	D-SB-592A-4	D-SB-592A-6
SAMPLE DATE	20071101	20091006	20091006	20091006	20090914	20090914	20090914	20090914	20091006	20091015	20091015
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	10	10	10	3	4	5	6	9	4	6
BOTTOM DEPTH	9	10	10	10	3	4	5	6	9	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	3.1E-09	2.4E-08	6.0E-08	9.6E-08	2.9E-06	3.2E-06	2.4E-06	3.9E-07	1.8E-08	5.3E-08	2.2E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.1E-09	2.4E-08	6.0E-08	9.6E-08	2.9E-06	3.2E-06	2.4E-06	3.9E-07	1.8E-08	5.3E-08	2.2E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.8E-08	5.2E-07	1.3E-06	2.1E-06	6.4E-05	7.0E-05	5.2E-05	8.5E-06	4.0E-07	1.2E-06	4.7E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.8E-08	5.2E-07	1.3E-06	2.1E-06	6.4E-05	7.0E-05	5.2E-05	8.5E-06	4.0E-07	1.2E-06	4.7E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-592B					SB-592D			SB-593	SB-594
SAMPLE ID	D-SB-592A-8	D-SB-592B-4	D-SB-592B-6	D-SB-592B-6-AVG	D-SB-592B-6-D	D-SB-592B-8	D-SB-592D-4	D-SB-592D-6	D-SB-592D-8	D-SB-593-3	D-SB-594-3
SAMPLE DATE	20091015	20091016	20091016	20091016	20091016	20091016	20091016	20091016	20091016	20090914	20090914
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	6	6	6	8	4	6	8	3	3
BOTTOM DEPTH	8	4	6	6	6	8	4	6	8	3	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	8.3E-07	6.4E-07	6.7E-07	1.1E-06	1.5E-06	9.0E-08	1.8E-07	1.8E-06	7.2E-07	3.0E-07	2.9E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.3E-07	6.4E-07	6.7E-07	1.1E-06	1.5E-06	9.0E-08	1.8E-07	1.8E-06	7.2E-07	3.0E-07	2.9E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.8E-05	1.4E-05	1.4E-05	2.4E-05	3.3E-05	2.0E-06	3.9E-06	3.8E-05	1.6E-05	6.5E-06	6.3E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.8E-05	1.4E-05	1.4E-05	2.4E-05	3.3E-05	2.0E-06	3.9E-06	3.8E-05	1.6E-05	6.5E-06	6.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-595	SB-766				SB-767				SB-768		
SAMPLE ID	D-SB-595-3	D-SB-766-03	D-SB-766-05	D-SB-766-07	D-SB-766-09	D-SB-767-03	D-SB-767-05	D-SB-767-07	D-SB-767-09	D-SB-768-03	D-SB-768-05	D-SB-768-07
SAMPLE DATE	20090914	20100827	20100827	20100827	20100827	20100830	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.8E-08	6.2E-09	3.4E-07	6.4E-09	1.6E-06	6.6E-09	6.8E-09	7.6E-09	6.8E-09	6.6E-09	3.0E-07	6.9E-09
NAPHTHALENE		7.8E-11	6.9E-10	4.3E-10	8.2E-09	8.2E-11	8.4E-11	9.5E-11	8.4E-11	8.2E-11	1.9E-09	8.7E-11
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.8E-08	6.3E-09	3.4E-07	6.8E-09	1.7E-06	6.7E-09	6.8E-09	7.7E-09	6.8E-09	6.7E-09	3.0E-07	7.0E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.5E-06	1.4E-07	7.3E-06	1.4E-07	3.6E-05	1.4E-07	1.5E-07	1.7E-07	1.5E-07	1.4E-07	6.5E-06	1.5E-07
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.5E-06	1.4E-07	7.3E-06	1.4E-07	3.6E-05	1.4E-07	1.5E-07	1.7E-07	1.5E-07	1.4E-07	6.5E-06	1.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-769				SB-770				SB-771		
SAMPLE ID	D-SB-768-09	D-SB-769-03	D-SB-769-05	D-SB-769-07	D-SB-769-09	D-SB-770-03	D-SB-770-05	D-SB-770-07	D-SB-770-09	D-SB-771-03	D-SB-771-05	D-SB-771-07
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.8E-09	6.9E-09	6.8E-09	6.8E-09	7.1E-09	2.3E-06	6.9E-09	5.2E-07	6.9E-09	4.5E-07	7.7E-07	4.6E-08
NAPHTHALENE	8.4E-11	9.1E-10	8.4E-11	8.4E-11	8.9E-11	1.1E-08	8.7E-11	2.5E-09	8.7E-11	3.9E-10	8.2E-11	8.7E-11
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.8E-09	7.8E-09	6.8E-09	6.8E-09	7.2E-09	2.3E-06	7.0E-09	5.2E-07	7.0E-09	4.5E-07	7.7E-07	4.6E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	5.0E-05	1.5E-07	1.1E-05	1.5E-07	9.8E-06	1.7E-05	9.9E-07
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	5.0E-05	1.5E-07	1.1E-05	1.5E-07	9.8E-06	1.7E-05	9.9E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-772				SB-773					
SAMPLE ID	D-SB-771-09	D-SB-772-03	D-SB-772-05	D-SB-772-07	D-SB-772-09	D-SB-773-03	D-SB-773-05	D-SB-773-05-AVG	D-SB-773-05-D	D-SB-773-09	D-SB-774-03
SAMPLE DATE	20100910	20100830	20100830	20100830	20100830	20100831	20100831	20100831	20100831	20100831	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	5	5	9	3
BOTTOM DEPTH	9	3	5	7	9	3	5	5	5	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.9E-09	6.8E-09	6.9E-09	7.7E-08	3.3E-07	1.3E-07	6.8E-09	6.9E-09	7.1E-09	2.0E-08	8.5E-05
NAPHTHALENE	8.7E-11	8.4E-11	3.9E-10	8.2E-10	5.6E-10	8.4E-11	8.4E-11	8.7E-11	8.9E-11	9.1E-11	4.3E-09
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.0E-09	6.8E-09	7.3E-09	7.7E-08	3.3E-07	1.3E-07	6.8E-09	7.0E-09	7.2E-09	2.0E-08	8.5E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.5E-07	1.5E-07	1.5E-07	1.7E-06	7.1E-06	2.9E-06	1.5E-07	1.5E-07	1.5E-07	4.2E-07	1.8E-03
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-07	1.5E-07	1.5E-07	1.7E-06	7.1E-06	2.9E-06	1.5E-07	1.5E-07	1.5E-07	4.2E-07	1.8E-03

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-774			SB-775				SB-776			
SAMPLE ID	D-SB-774-05	D-SB-774-07	D-SB-774-09	D-SB-775-03	D-SB-775-05	D-SB-775-07	D-SB-775-09	D-SB-776-03	D-SB-776-05	D-SB-776-07	D-SB-776-09
SAMPLE DATE	20100910	20100910	20100910	20100831	20100831	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5	7	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.8E-07	2.0E-06	5.9E-07	6.8E-09	9.5E-07	9.6E-08	6.8E-09	2.0E-07	8.2E-08	6.8E-09	2.4E-07
NAPHTHALENE	4.2E-09	3.2E-09	6.5E-10	8.4E-11	8.7E-11	8.2E-11	8.4E-11	8.4E-11	8.7E-11	8.4E-11	8.9E-11
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.8E-07	2.0E-06	5.9E-07	6.8E-09	9.5E-07	9.6E-08	6.8E-09	2.0E-07	8.2E-08	6.8E-09	2.4E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.5E-05	4.3E-05	1.3E-05	1.5E-07	2.1E-05	2.1E-06	1.5E-07	4.4E-06	1.8E-06	1.5E-07	5.3E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-05	4.3E-05	1.3E-05	1.5E-07	2.1E-05	2.1E-06	1.5E-07	4.4E-06	1.8E-06	1.5E-07	5.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION			SB-777				SB-778				
SAMPLE ID	D-SB-776-09-AVG	D-SB-776-09-D	D-SB-777-03	D-SB-777-05	D-SB-777-07	D-SB-777-09	D-SB-778-03	D-SB-778-05	D-SB-778-07	D-SB-778-09	D-SB-779-03
SAMPLE DATE	20100831	20100831	20100910	20100910	20100910	20100910	20100831	20100831	20100831	20100831	20100901
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	9	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	9	9	3	5	7	9	3	5	7	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.2E-07	6.9E-09	3.5E-06	6.1E-07	1.7E-05	6.8E-07	6.6E-09	4.6E-07	9.4E-08	1.1E-07	6.9E-09
NAPHTHALENE	8.8E-11	8.7E-11	1.4E-09	2.1E-10	6.9E-08	1.2E-09	8.2E-11	8.7E-11	8.9E-11	8.0E-11	8.7E-11
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.2E-07	7.0E-09	3.5E-06	6.1E-07	1.7E-05	6.8E-07	6.7E-09	4.6E-07	9.4E-08	1.1E-07	7.0E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.7E-06	1.5E-07	7.7E-05	1.3E-05	3.7E-04	1.5E-05	1.4E-07	1.0E-05	2.0E-06	2.4E-06	1.5E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.7E-06	1.5E-07	7.7E-05	1.3E-05	3.7E-04	1.5E-05	1.4E-07	1.0E-05	2.0E-06	2.4E-06	1.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-779			SB-780				SB-781				
SAMPLE ID	D-SB-779-05	D-SB-779-07	D-SB-779-09	D-SB-780-03	D-SB-780-05	D-SB-780-07	D-SB-780-09	D-SB-781-03	D-SB-781-05	D-SB-781-07	D-SB-781-09	D-SB-782-03
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5	7	9	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.5E-07	6.6E-09	6.9E-09	6.4E-09	5.4E-08	6.8E-09	4.2E-07	6.9E-09	2.8E-06	6.9E-09	6.6E-09	2.1E-07
NAPHTHALENE	8.4E-11	8.2E-11	8.7E-11	8.0E-11	8.4E-11	8.4E-11	8.7E-11	8.7E-11	2.4E-09	8.7E-11	8.2E-11	3.5E-12
AROCLOR-1260												1.0E-08
ARSENIC												7.7E-07
COBALT												1.5E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												2.7E-07
TOTAL CANCER RISK	2.5E-07	6.7E-09	7.0E-09	6.5E-09	5.4E-08	6.8E-09	4.2E-07	7.0E-09	2.8E-06	7.0E-09	6.7E-09	1.3E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.4E-06	1.4E-07	1.5E-07	1.4E-07	1.2E-06	1.5E-07	9.1E-06	1.5E-07	6.1E-05	1.5E-07	1.4E-07	4.5E-06
NAPHTHALENE												1.7E-11
AROCLOR-1260												5.0E-08
ARSENIC												6.0E-06
COBALT												7.6E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												4.0E-06
TOTAL CANCER RISK	5.4E-06	1.4E-07	1.5E-07	1.4E-07	1.2E-06	1.5E-07	9.1E-06	1.5E-07	6.1E-05	1.5E-07	1.4E-07	1.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-782			SB-783				SB-784				
SAMPLE ID	D-SB-782-05	D-SB-782-07	D-SB-782-09	D-SB-783-03	D-SB-783-05	D-SB-783-07	D-SB-783-09	D-SB-784-03	D-SB-784-05	D-SB-784-07	D-SB-784-09	D-SB-785-03
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5	7	9	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.9E-09	6.9E-09	6.9E-09	6.4E-09	7.1E-09	6.8E-09	6.8E-09	6.8E-09	7.1E-09	6.8E-09	6.6E-09	1.3E-07
NAPHTHALENE	3.9E-12	4.1E-12	3.5E-12	2.8E-12	3.9E-12	3.7E-12	3.7E-12	3.7E-12	3.5E-12	3.7E-12	3.5E-12	1.6E-11
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08
ARSENIC	9.1E-07	2.7E-06	1.8E-06	1.8E-06	2.2E-06	3.4E-06	6.6E-07	1.1E-06	2.9E-06	2.1E-06	9.5E-07	1.7E-06
COBALT	9.1E-10	1.8E-09	1.5E-09	2.7E-09	9.8E-10	1.2E-09	4.5E-10	1.7E-09	1.5E-09	1.3E-09	7.0E-10	2.2E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	3.5E-07	8.5E-07	6.7E-07	4.0E-07	6.4E-07	8.1E-07	2.4E-07	4.0E-07	6.6E-07	6.0E-07	1.9E-07	4.7E-07
TOTAL CANCER RISK	1.3E-06	3.6E-06	2.5E-06	2.3E-06	2.9E-06	4.2E-06	9.2E-07	1.5E-06	3.6E-06	2.7E-06	1.2E-06	2.3E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.4E-07	2.9E-06
NAPHTHALENE	2.0E-11	2.1E-11	1.7E-11	1.4E-11	2.0E-11	1.9E-11	1.9E-11	1.9E-11	1.7E-11	1.9E-11	1.7E-11	8.2E-11
AROCLOR-1260	5.2E-08	5.2E-08	5.0E-08	4.7E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	4.7E-08	5.0E-08
ARSENIC	7.1E-06	2.1E-05	1.4E-05	1.4E-05	1.7E-05	2.6E-05	5.1E-06	8.5E-06	2.3E-05	1.7E-05	7.4E-06	1.3E-05
COBALT	4.6E-09	9.3E-09	7.4E-09	1.4E-08	4.9E-09	5.8E-09	2.3E-09	8.8E-09	7.4E-09	6.4E-09	3.5E-09	1.1E-08
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	5.2E-06	1.3E-05	1.0E-05	6.0E-06	9.6E-06	1.2E-05	3.6E-06	6.1E-06	9.9E-06	9.1E-06	2.8E-06	7.0E-06
TOTAL CANCER RISK	1.3E-05	3.4E-05	2.4E-05	2.0E-05	2.7E-05	3.9E-05	8.9E-06	1.5E-05	3.3E-05	2.6E-05	1.0E-05	2.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-785			SB-786				SB-787				
SAMPLE ID	D-SB-785-05	D-SB-785-07	D-SB-785-09	D-SB-786-03	D-SB-786-05	D-SB-786-07	D-SB-786-09	D-SB-787-03	D-SB-787-05	D-SB-787-07	D-SB-787-09	D-SB-788-03
SAMPLE DATE	20100903	20100903	20100908	20100903	20100903	20100903	20100903	20100908	20100908	20100903	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5	7	9	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.9E-09	5.0E-08	6.9E-09	5.6E-07	1.7E-07	2.0E-07	6.8E-09	2.7E-06	7.3E-09	6.9E-09	6.8E-09	1.8E-07
NAPHTHALENE	2.1E-11	2.4E-11	1.8E-11	1.7E-07	8.2E-08	8.9E-11	6.9E-10	3.2E-09	2.0E-11	2.0E-11	1.7E-11	8.7E-10
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.1E-08	1.0E-08	1.0E-08	9.5E-09
ARSENIC	2.1E-06	1.2E-06	1.3E-06	1.4E-06	2.8E-06	5.2E-06	1.3E-06	1.7E-06	1.9E-06	2.4E-06	2.5E-06	7.0E-07
COBALT	4.5E-09	1.1E-09	3.5E-09	3.0E-09	3.4E-09	1.8E-09	2.6E-09	5.4E-09	1.4E-09	1.9E-09	2.8E-09	1.4E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	6.2E-07	4.1E-07	4.1E-07	5.1E-07	6.7E-07	5.1E-07	7.4E-07	4.9E-07	7.3E-07	1.1E-06	9.4E-07	2.4E-07
TOTAL CANCER RISK	2.8E-06	1.6E-06	1.7E-06	2.7E-06	3.8E-06	6.0E-06	2.1E-06	4.9E-06	2.7E-06	3.5E-06	3.5E-06	1.1E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.5E-07	1.1E-06	1.5E-07	1.2E-05	3.8E-06	4.4E-06	1.5E-07	5.8E-05	1.6E-07	1.5E-07	1.5E-07	4.0E-06
NAPHTHALENE	1.0E-10	1.2E-10	9.3E-11	8.7E-07	4.1E-07	4.5E-10	3.5E-09		1.0E-10	1.0E-10	8.5E-11	
AROCLOR-1260	5.2E-08	5.2E-08	5.2E-08	5.0E-08	5.2E-08	5.2E-08	5.0E-08	4.7E-08	5.4E-08	5.2E-08	5.0E-08	4.7E-08
ARSENIC	1.7E-05	9.1E-06	1.0E-05	1.1E-05	2.2E-05	4.1E-05	1.0E-05	1.3E-05	1.5E-05	1.9E-05	1.9E-05	5.4E-06
COBALT	2.3E-08	5.4E-09	1.8E-08	1.5E-08	1.7E-08	9.0E-09	1.3E-08	2.7E-08	7.1E-09	9.4E-09	1.4E-08	7.0E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	9.3E-06	6.2E-06	6.2E-06	7.6E-06	1.0E-05	7.6E-06	1.1E-05	7.3E-06	1.1E-05	1.6E-05	1.4E-05	3.6E-06
TOTAL CANCER RISK	2.6E-05	1.6E-05	1.7E-05	3.2E-05	3.6E-05	5.3E-05	2.2E-05	7.8E-05	2.6E-05	3.5E-05	3.4E-05	1.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-788			SB-789				D-TP-1			
SAMPLE ID	D-SB-788-05	D-SB-788-07	D-SB-788-09	D-SB-789-03	D-SB-789-05	D-SB-789-07	D-SB-789-09	D-TP-1-1-4-6	D-TP-1-2-8-10	D-TP-1-3-8-10	D-TP-1-4-4-6
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908	20100908	20100920	20100920	20100920	20100920
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	4	8	8	4
BOTTOM DEPTH	5	7	9	3	5	7	9	6	10	10	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	7.1E-09	7.1E-09	6.9E-09	6.0E-08	6.9E-09	7.1E-09	6.8E-09	6.6E-09	6.8E-09	2.3E-07	2.5E-07
NAPHTHALENE	1.8E-11	1.6E-11	1.7E-11	4.8E-11	3.5E-12	4.1E-12	3.7E-12	8.2E-11	8.4E-11	1.4E-08	4.1E-10
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08				
ARSENIC	1.8E-06	1.0E-06	1.8E-06	1.1E-06	2.0E-06	3.2E-06	1.5E-06				
COBALT	9.1E-10	9.3E-10	9.5E-10	7.7E-10	1.5E-09	1.2E-09	1.4E-09				
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM	6.7E-07	3.8E-07	5.5E-07	3.1E-07	6.1E-07	9.0E-07	5.1E-07				
TOTAL CANCER RISK	2.5E-06	1.4E-06	2.3E-06	1.5E-06	2.6E-06	4.1E-06	2.0E-06	6.7E-09	6.8E-09	2.5E-07	2.5E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.5E-07	1.5E-07	1.5E-07	1.3E-06	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	5.0E-06	5.4E-06
NAPHTHALENE	9.3E-11	8.2E-11	8.7E-11	2.4E-10	1.7E-11	2.1E-11	1.9E-11				
AROCLOR-1260	5.2E-08	5.2E-08	5.2E-08	4.7E-08	5.2E-08	5.2E-08	5.0E-08				
ARSENIC	1.4E-05	8.0E-06	1.4E-05	8.8E-06	1.6E-05	2.5E-05	1.1E-05				
COBALT	4.6E-09	4.7E-09	4.8E-09	3.9E-09	7.8E-09	6.2E-09	7.1E-09				
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM	1.0E-05	5.7E-06	8.2E-06	4.7E-06	9.1E-06	1.3E-05	7.6E-06				
TOTAL CANCER RISK	2.5E-05	1.4E-05	2.2E-05	1.5E-05	2.5E-05	3.9E-05	1.9E-05	1.4E-07	1.5E-07	5.1E-06	5.4E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION			D-TP-2						SB-790		
SAMPLE ID	D-TP-1-5-4-6	D-TP-1-6-8-10	D-TP-2-1-8-10	D-TP-2-2-6-7	D-TP-2-3-6-7	D-TP-2-4-8-10	D-TP-2-5-6-7	D-TP-2-6-6-7	D-SB-790-03	D-SB-790-05	D-SB-790-07
SAMPLE DATE	20100920	20100920	20100920	20100920	20100920	20100921	20100921	20100921	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	8	6	6	8	6	6	3	5	7
BOTTOM DEPTH	6	10	10	7	7	10	7	7	3	5	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.4E-09	6.2E-07	1.8E-06		2.4E-06	6.6E-09	7.1E-09		7.8E-07	4.7E-06	2.5E-07
NAPHTHALENE	8.0E-11	3.9E-10	1.2E-08		2.5E-08	8.2E-11	8.9E-11		5.6E-10	1.5E-09	1.9E-09
AROCLOR-1260									1.0E-08	2.0E-08	1.0E-08
ARSENIC									1.6E-06	1.8E-06	2.3E-06
COBALT									3.1E-09	3.2E-09	5.6E-09
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM									5.4E-07	5.0E-07	5.2E-07
TOTAL CANCER RISK	6.5E-09	6.2E-07	1.8E-06		2.4E-06	6.7E-09	7.2E-09		3.0E-06	7.0E-06	3.1E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.4E-07	1.3E-05	3.8E-05		5.1E-05	1.4E-07	1.5E-07		1.7E-05	1.0E-04	5.5E-06
NAPHTHALENE											
AROCLOR-1260									5.0E-08	9.9E-08	5.2E-08
ARSENIC									1.3E-05	1.4E-05	1.8E-05
COBALT									1.6E-08	1.6E-08	2.8E-08
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM									8.1E-06	7.6E-06	7.8E-06
TOTAL CANCER RISK	1.4E-07	1.3E-05	3.8E-05		5.1E-05	1.4E-07	1.5E-07		3.8E-05	1.2E-04	3.1E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-791				SB-792				SB-793		
SAMPLE ID	D-SB-790-09	D-SB-791-03	D-SB-791-05	D-SB-791-07	D-SB-791-09	D-SB-792-03	D-SB-792-05	D-SB-792-07	D-SB-792-09	D-SB-793-03	D-SB-793-05	D-SB-793-07
SAMPLE DATE	20100908	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	7.3E-09	2.1E-07	7.3E-09	6.8E-09	6.6E-09	1.8E-08	6.9E-09	6.8E-09	6.8E-09	7.8E-08	7.1E-09	6.9E-09
NAPHTHALENE	3.7E-12	5.6E-10	2.4E-11	1.6E-11	2.0E-11	4.5E-11	1.7E-11	1.6E-11	1.6E-11	2.4E-11	1.6E-11	1.8E-11
AROCLOR-1260	1.1E-08	1.0E-08	1.1E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
ARSENIC	1.5E-06	2.0E-06	1.4E-06	2.9E-06	1.8E-06	2.0E-06	1.6E-06	1.1E-06	1.4E-06	2.0E-06	1.3E-06	1.5E-06
COBALT	1.0E-09	2.5E-09	9.8E-10	2.3E-09	7.7E-10	7.5E-09	1.6E-09	1.6E-09	2.7E-09	3.6E-09	1.2E-09	1.1E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	6.5E-07	6.6E-07	4.7E-07	8.5E-07	6.1E-08	5.4E-07	6.1E-07	4.9E-07	6.8E-07	5.5E-07	5.1E-07	6.5E-07
TOTAL CANCER RISK	2.2E-06	2.9E-06	1.8E-06	3.8E-06	1.9E-06	2.6E-06	2.2E-06	1.6E-06	2.1E-06	2.7E-06	1.9E-06	2.2E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.6E-07	4.5E-06	1.6E-07	1.5E-07	1.4E-07	3.8E-07	1.5E-07	1.5E-07	1.5E-07	1.7E-06	1.5E-07	1.5E-07
NAPHTHALENE	1.9E-11		1.2E-10	8.2E-11	1.0E-10	2.3E-10	8.7E-11	8.2E-11	8.3E-11	1.2E-10	8.2E-11	9.2E-11
AROCLOR-1260	5.4E-08	5.2E-08	5.4E-08	5.0E-08	4.7E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08	5.2E-08	5.2E-08
ARSENIC	1.2E-05	1.5E-05	1.1E-05	2.3E-05	1.4E-05	1.5E-05	1.3E-05	8.3E-06	1.1E-05	1.6E-05	1.0E-05	1.2E-05
COBALT	5.3E-09	1.2E-08	4.9E-09	1.2E-08	3.9E-09	3.8E-08	8.0E-09	8.1E-09	1.4E-08	1.8E-08	6.1E-09	5.4E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	9.8E-06	9.8E-06	7.0E-06	1.3E-05	9.1E-07	8.1E-06	9.2E-06	7.4E-06	1.0E-05	8.3E-06	7.7E-06	9.7E-06
TOTAL CANCER RISK	2.2E-05	3.0E-05	1.8E-05	3.6E-05	1.5E-05	2.4E-05	2.2E-05	1.6E-05	2.1E-05	2.6E-05	1.8E-05	2.2E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-794				SB-795				SB-796		
SAMPLE ID	D-SB-793-09	D-SB-794-03	D-SB-794-05	D-SB-794-07	D-SB-794-09	D-SB-795-03	D-SB-795-05	D-SB-795-07	D-SB-795-09	D-SB-796-03	D-SB-796-05	D-SB-796-07
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.8E-09	4.8E-07	7.1E-09	7.1E-09	6.6E-09	6.8E-08	2.5E-08	7.1E-09	6.8E-09	2.6E-07	7.8E-09	6.8E-09
NAPHTHALENE	1.6E-11	2.0E-09	3.5E-12	1.7E-11	1.6E-11	4.8E-10	2.2E-11	3.5E-12	1.7E-11	1.5E-11	1.8E-11	1.8E-11
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.2E-08	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08
ARSENIC	1.3E-06	2.0E-06	2.6E-06	2.2E-06	2.0E-06	2.1E-06	1.4E-06	2.1E-06	1.6E-06	1.2E-06	3.4E-06	1.1E-06
COBALT	4.1E-09	6.8E-09	1.0E-09	1.4E-09	6.8E-10	6.2E-09	1.5E-09	4.7E-09	1.7E-09	2.1E-09	1.5E-09	8.0E-10
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	7.5E-07	5.3E-07	7.1E-07	8.2E-07	2.2E-07	7.0E-07	4.6E-07	5.8E-07	6.0E-07	4.2E-07	8.9E-07	4.4E-07
TOTAL CANCER RISK	2.1E-06	3.0E-06	3.3E-06	3.1E-06	2.3E-06	2.9E-06	1.9E-06	2.7E-06	2.2E-06	1.9E-06	4.3E-06	1.6E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.5E-07	1.0E-05	1.5E-07	1.5E-07	1.4E-07	1.5E-06	5.5E-07	1.5E-07	1.5E-07	5.6E-06	1.7E-07	1.5E-07
NAPHTHALENE	8.3E-11		1.7E-11	8.7E-11	7.9E-11		1.1E-10	1.7E-11	8.7E-11	7.6E-11	9.1E-11	9.1E-11
AROCLOR-1260	5.0E-08	5.0E-08	5.2E-08	5.2E-08	5.0E-08	5.2E-08	6.2E-08	5.2E-08	5.0E-08	5.0E-08	5.7E-08	5.0E-08
ARSENIC	1.0E-05	1.6E-05	2.0E-05	1.7E-05	1.6E-05	1.7E-05	1.1E-05	1.6E-05	1.3E-05	9.7E-06	2.7E-05	8.8E-06
COBALT	2.1E-08	3.4E-08	5.0E-09	6.9E-09	3.4E-09	3.1E-08	7.7E-09	2.4E-08	8.8E-09	1.1E-08	7.7E-09	4.0E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	1.1E-05	8.0E-06	1.1E-05	1.2E-05	3.3E-06	1.1E-05	6.9E-06	8.6E-06	9.0E-06	6.3E-06	1.3E-05	6.5E-06
TOTAL CANCER RISK	2.2E-05	3.4E-05	3.1E-05	3.0E-05	1.9E-05	2.9E-05	1.9E-05	2.5E-05	2.2E-05	2.2E-05	4.0E-05	1.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	
SAMPLE ID	**D-SB-796-09**
SAMPLE DATE	**20100910**
SAMPLE CODE	**NORMAL**
MATRIX	**SO**
SAMPLE TYPE	**NORMAL**
SUBMATRIX	**SB**
TOP DEPTH	**9**
BOTTOM DEPTH	**9**
INDUSTRIAL	
BAP EQUIVALENT-HALFND	**6.6E-09**
NAPHTHALENE	**1.7E-11**
AROCLOR-1260	**1.0E-08**
ARSENIC	**1.6E-06**
COBALT	**2.0E-09**
IRON	
LEAD	
MANGANESE	
MERCURY	
VANADIUM	
HEXAVALENT CHROMIUM	**6.3E-07**
TOTAL CANCER RISK	**2.2E-06**
RESIDENTIAL	
BAP EQUIVALENT-HALFND	**1.4E-07**
NAPHTHALENE	**8.4E-11**
AROCLOR-1260	**5.0E-08**
ARSENIC	**1.2E-05**
COBALT	**1.0E-08**
IRON	
LEAD	
MANGANESE	
MERCURY	
VANADIUM	
HEXAVALENT CHROMIUM	**9.4E-06**
TOTAL CANCER RISK	**2.2E-05**

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-031	SB-032	SB-033	SB-057		SB-058		SB-059		SB-060	
SAMPLE ID	SB-31-05	SB-32-05	SB-33-05	SB-57-05	SB-57-10	SB-58-05	SB-58-10	SB-59-05	SB-59-10	SB-60-05	SB-60-10
SAMPLE DATE	20031118	20031121	20031121	20040913	20040913	20040913	20040913	20040923	20040923	20040924	20040924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	10	5	10	5	10	5	10
BOTTOM DEPTH	5	5	5	5	10	5	10	5	10	5	10
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	3.8E-06		4.4E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06
AROCLOR-1260											
ARSENIC		5.7E-03	1.1E-02	1.5E-03	4.1E-03	5.2E-03	9.4E-03	8.9E-03	5.7E-03	2.3E-03	5.5E-03
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	2.8E-04	8.0E-03	1.6E-02	2.6E-04	2.8E-04	2.8E-04	2.6E-04	2.6E-04	2.6E-04	2.8E-04	6.6E-04
VANADIUM											
HEXAVALENT CHROMIUM	1.4E-03	9.2E-04	1.2E-03	4.4E-04	4.9E-04	9.7E-04	7.7E-04	1.5E-03	7.2E-04	3.1E-03	6.1E-03
TOTAL HAZARD INDEX	1.7E-03	1.5E-02	2.8E-02	2.2E-03	4.9E-03	6.5E-03	1.0E-02	1.1E-02	6.7E-03	5.6E-03	1.2E-02
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.8E-05		2.1E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
AROCLOR-1260											
ARSENIC		1.2E-01	2.3E-01	3.0E-02	8.3E-02	1.1E-01	1.9E-01	1.8E-01	1.2E-01	4.6E-02	1.1E-01
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	3.6E-03	1.0E-01	2.0E-01	3.3E-03	3.6E-03	3.6E-03	3.3E-03	3.3E-03	3.3E-03	3.6E-03	8.4E-03
VANADIUM											
HEXAVALENT CHROMIUM	1.2E-02	8.1E-03	1.0E-02	3.9E-03	4.3E-03	8.6E-03	6.8E-03	1.4E-02	6.3E-03	2.7E-02	5.4E-02
TOTAL HAZARD INDEX	1.6E-02	2.3E-01	4.3E-01	3.7E-02	9.1E-02	1.2E-01	2.0E-01	2.0E-01	1.3E-01	7.7E-02	1.7E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-061		SB-062		SB-063		SB-064	SB-065		SB-066	
SAMPLE ID	SB-61-05	SB-61-10	SB-62-05	SB-62-10	SB-63-05	SB-63-10	SB-64-05	SB-65-05	SB-65-10	SB-66-05	SB-66-10
SAMPLE DATE	20040924	20040924	20040923	20040923	20040924	20040924	20040924	20040917	20040917	20040923	20040923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	5	10	5	10
BOTTOM DEPTH	5	10	5	10	5	10	5	5	10	5	10
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	4.4E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.4E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06
AROCLOR-1260											
ARSENIC	4.1E-03	5.8E-04	3.9E-03	6.0E-04	2.7E-03	7.4E-04	1.8E-03	4.6E-03	6.6E-04	3.2E-03	3.4E-03
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	3.1E-04	2.4E-04	2.4E-04	2.6E-04	2.8E-04	2.8E-04	6.6E-04	2.8E-04	2.8E-04	2.6E-04	2.8E-04
VANADIUM											
HEXAVALENT CHROMIUM	9.7E-04	6.1E-04	8.2E-04	1.8E-04	1.1E-03	1.1E-03	1.3E-03	1.8E-03	8.2E-04	1.1E-03	5.6E-04
TOTAL HAZARD INDEX	5.4E-03	1.4E-03	4.9E-03	1.1E-03	4.2E-03	2.2E-03	3.8E-03	6.6E-03	1.8E-03	4.6E-03	4.3E-03
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.1E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	2.1E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
AROCLOR-1260											
ARSENIC	8.3E-02	1.2E-02	7.9E-02	1.2E-02	5.5E-02	1.5E-02	3.7E-02	9.2E-02	1.3E-02	6.5E-02	6.9E-02
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	3.9E-03	3.0E-03	3.0E-03	3.3E-03	3.6E-03	3.6E-03	8.4E-03	3.6E-03	3.6E-03	3.3E-03	3.6E-03
VANADIUM											
HEXAVALENT CHROMIUM	8.6E-03	5.4E-03	7.2E-03	1.6E-03	9.9E-03	9.9E-03	1.2E-02	1.6E-02	7.2E-03	9.9E-03	5.0E-03
TOTAL HAZARD INDEX	9.6E-02	2.0E-02	8.9E-02	1.7E-02	6.9E-02	2.9E-02	5.7E-02	1.1E-01	2.4E-02	7.8E-02	7.8E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-067		SB-247		SB-248		SB-249		SB-318			
SAMPLE ID	SB-67-05	SB-67-10	SB-247-05	SB-247-10	SB-248-05	SB-248-10	SB-249-05	SB-249-10	SB-318-0203	SB-318-0506	SB-318-0809	SB-319-0203
SAMPLE DATE	20040927	20040927	20050607	20050607	20050607	20050607	20050607	20050607	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	10	2	5	8	2
BOTTOM DEPTH	5	10	5	10	5	10	5	10	3	6	9	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	4.4E-06	3.8E-06										
AROCLOR-1260												
ARSENIC	2.7E-03	2.7E-03	9.1E-03	9.1E-04	1.4E-02	1.8E-02	3.4E-03	1.6E-02				
COBALT			2.0E-02	1.2E-02	2.1E-02	5.6E-02	3.6E-02	6.3E-03				
IRON												
LEAD												
MANGANESE												
MERCURY	3.3E-04	2.6E-04	4.7E-04	4.7E-06	2.8E-04	4.7E-06	1.9E-03	4.7E-06	4.7E-05	1.4E-04	2.6E-04	2.0E-04
VANADIUM			3.7E-03	3.1E-03	4.5E-03	5.6E-03	2.7E-03	1.0E-02				
HEXAVALENT CHROMIUM	2.1E-03	6.7E-04	1.1E-03	1.0E-03	1.3E-03	1.9E-03	9.2E-04	2.5E-03				
TOTAL HAZARD INDEX	5.2E-03	3.7E-03	3.4E-02	1.7E-02	4.1E-02	8.2E-02	4.5E-02	3.5E-02	4.7E-05	1.4E-04	2.6E-04	2.0E-04
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.1E-05	1.8E-05										
AROCLOR-1260												
ARSENIC	5.5E-02	5.5E-02	1.8E-01	1.8E-02	2.8E-01	3.7E-01	6.9E-02	3.2E-01				
COBALT			4.7E-01	2.7E-01	5.0E-01	1.3E+00	8.6E-01	1.5E-01				
IRON												
LEAD												
MANGANESE												
MERCURY	4.2E-03	3.3E-03	6.0E-03	6.0E-05	3.6E-03	6.0E-05	2.4E-02	6.0E-05	6.0E-04	1.7E-03	3.3E-03	2.6E-03
VANADIUM			8.7E-02	7.5E-02	1.1E-01	1.3E-01	6.4E-02	2.4E-01				
HEXAVALENT CHROMIUM	1.9E-02	5.9E-03	1.0E-02	9.2E-03	1.1E-02	1.7E-02	8.1E-03	2.2E-02				
TOTAL HAZARD INDEX	7.8E-02	6.5E-02	7.6E-01	3.7E-01	9.0E-01	1.8E+00	1.0E+00	7.3E-01	6.0E-04	1.7E-03	3.3E-03	2.6E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-319		SB-320			SB-321			SB-322		
SAMPLE ID	SB-319-0506	SB-319-0809	SB-320-0203	SB-320-0506	SB-320-0809	SB-321-0203	SB-321-0506	SB-321-0809	SB-322-0203	SB-322-0506	SB-322-0809
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	8	2	5	8	2	5	8	2	5	8
BOTTOM DEPTH	6	9	3	6	9	3	6	9	3	6	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	1.1E-04	1.2E-04	1.3E-04	4.5E-05	1.6E-04	2.8E-04	4.7E-05	4.7E-05	4.5E-05	1.6E-04	4.5E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.1E-04	1.2E-04	1.3E-04	4.5E-05	1.6E-04	2.8E-04	4.7E-05	4.7E-05	4.5E-05	1.6E-04	4.5E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	1.4E-03	1.6E-03	1.7E-03	5.7E-04	2.1E-03	3.6E-03	6.0E-04	6.0E-04	5.7E-04	2.1E-03	5.7E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.4E-03	1.6E-03	1.7E-03	5.7E-04	2.1E-03	3.6E-03	6.0E-04	6.0E-04	5.7E-04	2.1E-03	5.7E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-323			SB-324			SB-325			SB-326	
SAMPLE ID	SB-323-0203	SB-323-0506	SB-323-0809	SB-324-0203	SB-324-0506	SB-324-0809	SB-325-0203	SB-325-0506	SB-325-0809	SB-326-0203	SB-326-0506
SAMPLE DATE	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031	20071031
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	5	8	2	5	8	2	5	8	2	5
BOTTOM DEPTH	3	6	9	3	6	9	3	6	9	3	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	4.5E-05	4.5E-05	2.7E-04	1.7E-04	1.5E-04	1.6E-04	2.7E-04	4.5E-05	4.7E-05	4.4E-04	9.9E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.5E-05	4.5E-05	2.7E-04	1.7E-04	1.5E-04	1.6E-04	2.7E-04	4.5E-05	4.7E-05	4.4E-04	9.9E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	5.7E-04	5.7E-04	3.4E-03	2.1E-03	1.8E-03	2.0E-03	3.4E-03	5.7E-04	6.0E-04	5.5E-03	1.3E-03
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	5.7E-04	5.7E-04	3.4E-03	2.1E-03	1.8E-03	2.0E-03	3.4E-03	5.7E-04	6.0E-04	5.5E-03	1.3E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-327			SB-328			SB-329			
SAMPLE ID	SB-326-0809	SB-327-0203	SB-327-0506	SB-327-0809	SB-328-0203	SB-328-0506	SB-328-0809	SB-329-0203	SB-329-0506	SB-329-0809	SB-330-0203
SAMPLE DATE	20071031	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5	8	2	5	8	2
BOTTOM DEPTH	9	3	6	9	3	6	9	3	6	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	3.0E-04	1.3E-03	6.8E-05	4.7E-05	1.6E-03	5.4E-05	5.9E-05	7.3E-05	9.7E-05	5.9E-05	9.7E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	3.0E-04	1.3E-03	6.8E-05	4.7E-05	1.6E-03	5.4E-05	5.9E-05	7.3E-05	9.7E-05	5.9E-05	9.7E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	3.8E-03	1.6E-02	8.7E-04	6.0E-04	2.0E-02	6.9E-04	7.5E-04	9.2E-04	1.2E-03	7.5E-04	1.2E-03
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	3.8E-03	1.6E-02	8.7E-04	6.0E-04	2.0E-02	6.9E-04	7.5E-04	9.2E-04	1.2E-03	7.5E-04	1.2E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-330		SB-331			SB-332			SB-333		
SAMPLE ID	SB-330-0506	SB-330-0809	SB-331-0203	SB-331-0506	SB-331-0809	SB-332-0203	SB-332-0506	SB-332-0809	SB-333-0203	SB-333-0506	SB-333-0809
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	8	2	5	8	2	5	8	2	5	8
BOTTOM DEPTH	6	9	3	6	9	3	6	9	3	6	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	2.4E-04	8.2E-05	1.4E-04	8.2E-05	9.4E-05	1.5E-04	8.0E-05	8.2E-05	1.5E-04	8.5E-05	5.9E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.4E-04	8.2E-05	1.4E-04	8.2E-05	9.4E-05	1.5E-04	8.0E-05	8.2E-05	1.5E-04	8.5E-05	5.9E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	3.0E-03	1.0E-03	1.8E-03	1.0E-03	1.2E-03	1.9E-03	1.0E-03	1.0E-03	1.8E-03	1.1E-03	7.5E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	3.0E-03	1.0E-03	1.8E-03	1.0E-03	1.2E-03	1.9E-03	1.0E-03	1.0E-03	1.8E-03	1.1E-03	7.5E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-334			SB-335			SB-336			SB-337	
SAMPLE ID	SB-334-0203	SB-334-0506	SB-334-0809	SB-335-0203	SB-335-0506	SB-335-0809	SB-336-0203	SB-336-0506	SB-336-0809	SB-337-0203	SB-337-0506
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	5	8	2	5	8	2	5	8	2	5
BOTTOM DEPTH	3	6	9	3	6	9	3	6	9	3	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	1.8E-03	1.6E-04	1.4E-04	1.4E-03	1.4E-04	6.4E-05	1.6E-04	9.4E-05	1.6E-03	1.9E-03	2.2E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.8E-03	1.6E-04	1.4E-04	1.4E-03	1.4E-04	6.4E-05	1.6E-04	9.4E-05	1.6E-03	1.9E-03	2.2E-04
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	2.3E-02	2.1E-03	1.8E-03	1.8E-02	1.8E-03	8.1E-04	2.0E-03	1.2E-03	2.1E-02	2.4E-02	2.8E-03
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.3E-02	2.1E-03	1.8E-03	1.8E-02	1.8E-03	8.1E-04	2.0E-03	1.2E-03	2.1E-02	2.4E-02	2.8E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-338			SB-339			SB-340			
SAMPLE ID	SB-337-0809	SB-338-0203	SB-338-0506	SB-338-0809	SB-339-0203	SB-339-0506	SB-339-0809	SB-340-0203	SB-340-0506	SB-340-0809	SB-341-0203
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	2	5	8	2	5	8	2	5	8	2
BOTTOM DEPTH	9	3	6	9	3	6	9	3	6	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	3.9E-03	2.0E-03	9.9E-05	1.3E-04	3.1E-04	1.0E-03	5.9E-05	2.6E-04	1.8E-03	9.9E-05	1.7E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	3.9E-03	2.0E-03	9.9E-05	1.3E-04	3.1E-04	1.0E-03	5.9E-05	2.6E-04	1.8E-03	9.9E-05	1.7E-04
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	4.9E-02	2.5E-02	1.3E-03	1.6E-03	3.9E-03	1.3E-02	7.5E-04	3.3E-03	2.3E-02	1.3E-03	2.2E-03
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.9E-02	2.5E-02	1.3E-03	1.6E-03	3.9E-03	1.3E-02	7.5E-04	3.3E-03	2.3E-02	1.3E-03	2.2E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-341		SB-342			SB-343			SB-344		
SAMPLE ID	SB-341-0506	SB-341-0809	SB-342-0203	SB-342-0506	SB-342-0809	SB-343-0203	SB-343-0506	SB-343-0809	SB-344-0203	SB-344-0506	SB-344-0809
SAMPLE DATE	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101	20071101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	8	2	5	8	2	5	8	2	5	8
BOTTOM DEPTH	6	9	3	6	9	3	6	9	3	6	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	1.4E-03	1.5E-03	8.9E-04	4.0E-03	1.0E-04	3.5E-04	8.9E-04	8.0E-05	3.3E-04	8.0E-05	1.2E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.4E-03	1.5E-03	8.9E-04	4.0E-03	1.0E-04	3.5E-04	8.9E-04	8.0E-05	3.3E-04	8.0E-05	1.2E-04
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	1.7E-02	1.8E-02	1.1E-02	5.0E-02	1.3E-03	4.5E-03	1.1E-02	1.0E-03	4.2E-03	1.0E-03	1.6E-03
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.7E-02	1.8E-02	1.1E-02	5.0E-02	1.3E-03	4.5E-03	1.1E-02	1.0E-03	4.2E-03	1.0E-03	1.6E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-766				SB-767				SB-768			
SAMPLE ID	D-SB-766-03	D-SB-766-05	D-SB-766-07	D-SB-766-09	D-SB-767-03	D-SB-767-05	D-SB-767-07	D-SB-767-09	D-SB-768-03	D-SB-768-05	D-SB-768-07	D-SB-768-09
SAMPLE DATE	20100827	20100827	20100827	20100827	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3	5	7	9
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	2.3E-06	2.0E-05	1.3E-05	2.4E-04	2.4E-06	2.4E-06	2.8E-06	2.4E-06	2.4E-06	5.4E-05	2.5E-06	2.4E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	1.1E-05	9.4E-05	5.9E-05	1.1E-03	1.1E-05	1.1E-05	1.3E-05	1.1E-05	1.1E-05	2.5E-04	1.2E-05	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-769				SB-770				SB-771			
SAMPLE ID	D-SB-769-03	D-SB-769-05	D-SB-769-07	D-SB-769-09	D-SB-770-03	D-SB-770-05	D-SB-770-07	D-SB-770-09	D-SB-771-03	D-SB-771-05	D-SB-771-07	D-SB-771-09
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3	5	7	9
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	2.6E-05	2.4E-06	2.4E-06	2.6E-06	3.3E-04	2.5E-06	7.2E-05	2.5E-06	1.1E-05	2.4E-06	2.5E-06	2.5E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	1.2E-04	1.1E-05	1.1E-05	1.2E-05	1.5E-03	1.2E-05	3.3E-04	1.2E-05	5.3E-05	1.1E-05	1.2E-05	1.2E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-772				SB-773					SB-	
SAMPLE ID	D-SB-772-03	D-SB-772-05	D-SB-772-07	D-SB-772-09	D-SB-773-03	D-SB-773-05	D-SB-773-05-AVG	D-SB-773-05-D	D-SB-773-09	D-SB-774-03	D-SB-774-05
SAMPLE DATE	20100830	20100830	20100830	20100830	20100831	20100831	20100831	20100831	20100831	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	5	5	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5	5	5	9	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.4E-06	1.1E-05	2.4E-05	1.6E-05	2.4E-06	2.4E-06	2.5E-06	2.6E-06	2.6E-06	1.3E-04	1.2E-04
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.1E-05	5.2E-05	1.1E-04	7.6E-05	1.1E-05	1.1E-05	1.2E-05	1.2E-05	1.2E-05	5.9E-04	5.7E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	774		SB-775				SB-776				
SAMPLE ID	D-SB-774-07	D-SB-774-09	D-SB-775-03	D-SB-775-05	D-SB-775-07	D-SB-775-09	D-SB-776-03	D-SB-776-05	D-SB-776-07	D-SB-776-09	D-SB-776-09-AVG
SAMPLE DATE	20100910	20100910	20100831	20100831	20100831	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9	9
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	9.4E-05	1.9E-05	2.4E-06	2.5E-06	2.4E-06	2.4E-06	2.4E-06	2.5E-06	2.4E-06	2.6E-06	2.5E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.4E-04	8.8E-05	1.1E-05	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.1E-05	1.2E-05	1.2E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		SB-777				SB-778				SB-	
SAMPLE ID	D-SB-776-09-D	D-SB-777-03	D-SB-777-05	D-SB-777-07	D-SB-777-09	D-SB-778-03	D-SB-778-05	D-SB-778-07	D-SB-778-09	D-SB-779-03	D-SB-779-05
SAMPLE DATE	20100831	20100910	20100910	20100910	20100910	20100831	20100831	20100831	20100831	20100901	20100901
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.5E-06	4.0E-05	6.0E-06	2.0E-03	3.4E-05	2.4E-06	2.5E-06	2.6E-06	2.3E-06	2.5E-06	2.4E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.2E-05	1.9E-04	2.8E-05	9.4E-03	1.6E-04	1.1E-05	1.2E-05	1.2E-05	1.1E-05	1.2E-05	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	779		SB-780				SB-781				SB-	
SAMPLE ID	D-SB-779-07	D-SB-779-09	D-SB-780-03	D-SB-780-05	D-SB-780-07	D-SB-780-09	D-SB-781-03	D-SB-781-05	D-SB-781-07	D-SB-781-09	D-SB-782-03	D-SB-782-05
SAMPLE DATE	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100901	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE											1.0E-07	1.1E-07
AROCLOR-1260												
ARSENIC											4.8E-03	5.7E-03
COBALT											1.2E-02	7.4E-03
IRON											7.3E-03	8.9E-03
LEAD												
MANGANESE											3.0E-03	9.9E-04
MERCURY											2.5E-03	4.2E-05
VANADIUM											1.9E-03	2.0E-03
HEXAVALENT CHROMIUM											5.0E-04	6.5E-04
TOTAL HAZARD INDEX	2.4E-06	2.5E-06	2.3E-06	2.4E-06	2.4E-06	2.5E-06	2.5E-06	6.9E-05	2.5E-06	2.4E-06	3.2E-02	2.6E-02
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE											4.7E-07	5.3E-07
AROCLOR-1260												
ARSENIC											9.7E-02	1.2E-01
COBALT											2.9E-01	1.8E-01
IRON											1.7E-01	2.1E-01
LEAD												
MANGANESE											3.1E-02	1.0E-02
MERCURY											3.2E-02	5.4E-04
VANADIUM											4.4E-02	4.7E-02
HEXAVALENT CHROMIUM											4.4E-03	5.7E-03
TOTAL HAZARD INDEX	1.1E-05	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.2E-05	3.2E-04	1.2E-05	1.1E-05	6.7E-01	5.7E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	782		SB-783				SB-784				SB-	
SAMPLE ID	D-SB-782-07	D-SB-782-09	D-SB-783-03	D-SB-783-05	D-SB-783-07	D-SB-783-09	D-SB-784-03	D-SB-784-05	D-SB-784-07	D-SB-784-09	D-SB-785-03	D-SB-785-05
SAMPLE DATE	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100903	20100903
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.2E-07	1.0E-07	8.2E-08	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.0E-07	1.1E-07	1.0E-07	4.7E-07	6.0E-07
AROCLOR-1260												
ARSENIC	1.7E-02	1.1E-02	1.1E-02	1.4E-02	2.1E-02	4.1E-03	6.8E-03	1.8E-02	1.3E-02	5.9E-03	1.0E-02	1.3E-02
COBALT	1.5E-02	1.2E-02	2.2E-02	8.0E-03	9.5E-03	3.7E-03	1.4E-02	1.2E-02	1.0E-02	5.8E-03	1.8E-02	3.7E-02
IRON	3.0E-02	2.4E-02	1.5E-02	2.7E-02	3.6E-02	3.7E-03	1.4E-02	3.6E-02	2.8E-02	2.0E-03	1.6E-02	2.3E-02
LEAD												
MANGANESE	7.2E-03	3.8E-03	8.7E-03	1.5E-03	4.1E-03	8.4E-04	6.0E-03	1.1E-02	5.5E-03	1.3E-03	8.4E-03	8.5E-03
MERCURY	4.2E-05	4.2E-05	2.2E-03	4.5E-05	4.2E-05	4.2E-05	4.2E-05	4.5E-05	4.2E-05	4.0E-05	1.4E-03	1.9E-03
VANADIUM	5.9E-03	4.9E-03	2.7E-03	5.1E-03	7.3E-03	1.2E-03	2.8E-03	6.4E-03	4.2E-03	1.1E-03	2.8E-03	3.8E-03
HEXAVALENT CHROMIUM	1.6E-03	1.2E-03	7.5E-04	1.2E-03	1.5E-03	4.5E-04	7.5E-04	1.2E-03	1.1E-03	3.5E-04	8.7E-04	1.1E-03
TOTAL HAZARD INDEX	7.7E-02	5.8E-02	6.3E-02	5.7E-02	7.9E-02	1.4E-02	4.5E-02	8.5E-02	6.3E-02	1.7E-02	5.9E-02	8.9E-02
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	5.6E-07	4.7E-07	3.8E-07	5.3E-07	5.0E-07	5.0E-07	5.0E-07	4.7E-07	5.0E-07	4.7E-07	2.2E-06	2.8E-06
AROCLOR-1260												
ARSENIC	3.5E-01	2.3E-01	2.3E-01	2.8E-01	4.3E-01	8.3E-02	1.4E-01	3.7E-01	2.7E-01	1.2E-01	2.1E-01	2.7E-01
COBALT	3.6E-01	2.9E-01	5.2E-01	1.9E-01	2.2E-01	8.8E-02	3.4E-01	2.9E-01	2.5E-01	1.4E-01	4.3E-01	8.8E-01
IRON	7.0E-01	5.7E-01	3.6E-01	6.5E-01	8.5E-01	8.8E-02	3.3E-01	8.6E-01	6.6E-01	4.8E-02	3.9E-01	5.6E-01
LEAD												
MANGANESE	7.4E-02	3.9E-02	8.9E-02	1.5E-02	4.2E-02	8.6E-03	6.1E-02	1.1E-01	5.6E-02	1.4E-02	8.6E-02	8.7E-02
MERCURY	5.4E-04	5.4E-04	2.8E-02	5.7E-04	5.4E-04	5.4E-04	5.4E-04	5.7E-04	5.4E-04	5.1E-04	1.8E-02	2.4E-02
VANADIUM	1.4E-01	1.2E-01	6.4E-02	1.2E-01	1.7E-01	2.7E-02	6.7E-02	1.5E-01	1.0E-01	2.5E-02	6.8E-02	9.0E-02
HEXAVALENT CHROMIUM	1.4E-02	1.1E-02	6.6E-03	1.0E-02	1.3E-02	3.9E-03	6.6E-03	1.1E-02	9.9E-03	3.1E-03	7.7E-03	1.0E-02
TOTAL HAZARD INDEX	1.6E+00	1.3E+00	1.3E+00	1.3E+00	1.7E+00	3.0E-01	9.4E-01	1.8E+00	1.3E+00	3.5E-01	1.2E+00	1.9E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	785		SB-786				SB-787				SB-	
SAMPLE ID	D-SB-785-07	D-SB-785-09	D-SB-786-03	D-SB-786-05	D-SB-786-07	D-SB-786-09	D-SB-787-03	D-SB-787-05	D-SB-787-07	D-SB-787-09	D-SB-788-03	D-SB-788-05
SAMPLE DATE	20100903	20100908	20100903	20100903	20100903	20100903	20100908	20100908	20100903	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	6.9E-07	5.3E-07	5.0E-03	2.4E-03	2.6E-06	2.0E-05		5.8E-07	5.8E-07	4.9E-07		5.3E-07
AROCLOR-1260												
ARSENIC	7.3E-03	8.2E-03	8.9E-03	1.8E-02	3.3E-02	8.2E-03	1.0E-02	1.2E-02	1.5E-02	1.6E-02	4.3E-03	1.1E-02
COBALT	8.7E-03	2.9E-02	2.5E-02	2.8E-02	1.5E-02	2.1E-02	4.4E-02	1.2E-02	1.5E-02	2.3E-02	1.1E-02	7.4E-03
IRON	1.2E-02	2.9E-02	1.5E-02	2.9E-02	1.5E-02	2.5E-02	1.9E-02	3.2E-02	4.0E-02	5.8E-02	4.5E-03	2.3E-02
LEAD												
MANGANESE	3.4E-03	5.6E-03	4.5E-03	8.1E-03	3.0E-03	1.5E-03	9.9E-03	5.9E-03	7.9E-03	3.9E-03	1.5E-03	2.0E-03
MERCURY	4.5E-05	4.2E-05	7.5E-04	7.5E-04	9.9E-05	4.2E-05	4.5E-04	4.5E-05	4.2E-05	4.2E-05	2.8E-03	4.2E-05
VANADIUM	2.4E-03	2.7E-03	3.1E-03	4.3E-03	3.7E-03	7.5E-03	3.6E-03	4.7E-03	5.6E-03	9.8E-03	1.5E-03	5.5E-03
HEXAVALENT CHROMIUM	7.7E-04	7.6E-04	9.5E-04	1.2E-03	9.4E-04	1.4E-03	9.1E-04	1.4E-03	2.0E-03	1.8E-03	4.5E-04	1.3E-03
TOTAL HAZARD INDEX	3.5E-02	7.5E-02	6.3E-02	9.1E-02	7.0E-02	6.4E-02	8.8E-02	6.8E-02	8.6E-02	1.1E-01	2.6E-02	5.0E-02
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	3.2E-06	2.5E-06	2.3E-02	1.1E-02	1.2E-05	9.4E-05		2.7E-06	2.7E-06	2.3E-06		2.5E-06
AROCLOR-1260												
ARSENIC	1.5E-01	1.7E-01	1.8E-01	3.6E-01	6.6E-01	1.7E-01	2.1E-01	2.4E-01	3.1E-01	3.1E-01	8.8E-02	2.3E-01
COBALT	2.1E-01	6.8E-01	5.8E-01	6.5E-01	3.5E-01	5.0E-01	1.0E+00	2.7E-01	3.6E-01	5.4E-01	2.7E-01	1.8E-01
IRON	2.9E-01	6.9E-01	3.6E-01	6.8E-01	3.6E-01	5.9E-01	4.5E-01	7.6E-01	9.6E-01	1.4E+00	1.1E-01	5.4E-01
LEAD												
MANGANESE	3.5E-02	5.8E-02	4.6E-02	8.3E-02	3.1E-02	1.5E-02	1.0E-01	6.0E-02	8.1E-02	4.0E-02	1.5E-02	2.1E-02
MERCURY	5.7E-04	5.4E-04	9.5E-03	9.5E-03	1.3E-03	5.4E-04	5.7E-03	5.7E-04	5.4E-04	5.4E-04	3.6E-02	5.4E-04
VANADIUM	5.7E-02	6.4E-02	7.5E-02	1.0E-01	8.9E-02	1.8E-01	8.4E-02	1.1E-01	1.3E-01	2.3E-01	3.4E-02	1.3E-01
HEXAVALENT CHROMIUM	6.8E-03	6.7E-03	8.4E-03	1.1E-02	8.3E-03	1.2E-02	8.0E-03	1.2E-02	1.8E-02	1.5E-02	4.0E-03	1.1E-02
TOTAL HAZARD INDEX	7.4E-01	1.7E+00	1.3E+00	1.9E+00	1.5E+00	1.5E+00	1.9E+00	1.5E+00	1.9E+00	2.5E+00	5.5E-01	1.1E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	788		SB-789				D-TP-1				
SAMPLE ID	D-SB-788-07	D-SB-788-09	D-SB-789-03	D-SB-789-05	D-SB-789-07	D-SB-789-09	D-TP-1-1-4-6	D-TP-1-2-8-10	D-TP-1-3-8-10	D-TP-1-4-4-6	D-TP-1-5-4-6
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100908	20100920	20100920	20100920	20100920	20100920
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	4	8	8	4	4
BOTTOM DEPTH	7	9	3	5	7	9	6	10	10	6	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	4.7E-07	5.0E-07	1.4E-06	1.0E-07	1.2E-07	1.1E-07					
AROCLOR-1260											
ARSENIC	6.4E-03	1.1E-02	7.1E-03	1.3E-02	2.0E-02	9.1E-03					
COBALT	7.6E-03	7.8E-03	6.3E-03	1.3E-02	1.0E-02	1.2E-02					
IRON	6.9E-03	1.6E-02	6.2E-03	2.2E-02	3.0E-02	1.8E-02					
LEAD											
MANGANESE	9.1E-04	1.6E-03	1.9E-03	3.0E-03	2.7E-03	5.2E-03					
MERCURY	4.5E-05	4.2E-05	1.3E-04	4.2E-05	4.5E-05	4.2E-05					
VANADIUM	4.2E-03	4.6E-03	2.2E-03	4.9E-03	7.7E-03	4.7E-03					
HEXAVALENT CHROMIUM	7.1E-04	1.0E-03	5.8E-04	1.1E-03	1.7E-03	9.5E-04					
TOTAL HAZARD INDEX	2.7E-02	4.2E-02	2.4E-02	5.7E-02	7.2E-02	5.0E-02	2.4E-06	2.4E-06	4.0E-04	1.2E-05	2.3E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.2E-06	2.3E-06	6.5E-06	4.7E-07	5.6E-07	5.0E-07					
AROCLOR-1260											
ARSENIC	1.3E-01	2.2E-01	1.4E-01	2.5E-01	4.1E-01	1.8E-01					
COBALT	1.8E-01	1.8E-01	1.5E-01	3.0E-01	2.4E-01	2.7E-01					
IRON	1.6E-01	3.9E-01	1.5E-01	5.3E-01	7.2E-01	4.4E-01					
LEAD											
MANGANESE	9.3E-03	1.6E-02	1.9E-02	3.1E-02	2.7E-02	5.3E-02					
MERCURY	5.7E-04	5.4E-04	1.7E-03	5.4E-04	5.7E-04	5.4E-04					
VANADIUM	1.0E-01	1.1E-01	5.3E-02	1.2E-01	1.8E-01	1.1E-01					
HEXAVALENT CHROMIUM	6.2E-03	8.9E-03	5.1E-03	1.0E-02	1.5E-02	8.4E-03					
TOTAL HAZARD INDEX	5.9E-01	9.3E-01	5.2E-01	1.2E+00	1.6E+00	1.1E+00	1.1E-05	1.1E-05	1.9E-03	5.6E-05	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION		D-TP-2				SB-790					SB-
SAMPLE ID	D-TP-1-6-8-10	D-TP-2-1-8-10	D-TP-2-3-6-7	D-TP-2-4-8-10	D-TP-2-5-6-7	D-SB-790-03	D-SB-790-05	D-SB-790-07	D-SB-790-09	D-SB-791-03	D-SB-791-05
SAMPLE DATE	20100920	20100920	20100920	20100921	20100921	20100908	20100908	20100908	20100908	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	6	8	6	3	5	7	9	3	5
BOTTOM DEPTH	10	10	7	10	7	3	5	7	9	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE									1.1E-07		6.9E-07
AROCLOR-1260											
ARSENIC						1.0E-02	1.1E-02	1.4E-02	9.4E-03	1.2E-02	8.4E-03
COBALT						2.5E-02	2.7E-02	4.6E-02	8.5E-03	2.0E-02	8.0E-03
IRON						1.7E-02	1.6E-02	1.8E-02	2.6E-02	3.0E-02	1.7E-02
LEAD											
MANGANESE						7.6E-03	1.0E-02	7.0E-03	5.6E-03	8.0E-03	2.5E-03
MERCURY						1.7E-03	9.9E-04	3.0E-03	4.5E-05	4.2E-05	4.5E-05
VANADIUM						3.3E-03	3.0E-03	3.1E-03	4.7E-03	4.2E-03	3.4E-03
HEXAVALENT CHROMIUM						1.0E-03	9.4E-04	9.7E-04	1.2E-03	1.2E-03	8.7E-04
TOTAL HAZARD INDEX	1.1E-05	3.5E-04	7.2E-04	2.4E-06	2.6E-06	6.7E-02	6.9E-02	9.2E-02	5.6E-02	7.6E-02	4.1E-02
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE									5.0E-07		3.2E-06
AROCLOR-1260											
ARSENIC						2.1E-01	2.3E-01	2.9E-01	1.9E-01	2.5E-01	1.7E-01
COBALT						6.0E-01	6.3E-01	1.1E+00	2.0E-01	4.8E-01	1.9E-01
IRON						4.1E-01	3.8E-01	4.2E-01	6.2E-01	7.0E-01	4.1E-01
LEAD											
MANGANESE						7.7E-02	1.0E-01	7.1E-02	5.7E-02	8.2E-02	2.6E-02
MERCURY						2.1E-02	1.3E-02	3.8E-02	5.7E-04	5.4E-04	5.7E-04
VANADIUM						7.8E-02	7.2E-02	7.4E-02	1.1E-01	9.9E-02	8.1E-02
HEXAVALENT CHROMIUM						8.8E-03	8.3E-03	8.5E-03	1.1E-02	1.1E-02	7.6E-03
TOTAL HAZARD INDEX	5.2E-05	1.6E-03	3.3E-03	1.1E-05	1.2E-05	1.4E+00	1.4E+00	2.0E+00	1.2E+00	1.6E+00	8.9E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	791		SB-792				SB-793					SB-
SAMPLE ID	D-SB-791-07	D-SB-791-09	D-SB-792-03	D-SB-792-05	D-SB-792-07	D-SB-792-09	D-SB-793-03	D-SB-793-05	D-SB-793-07	D-SB-793-09	D-SB-794-03	D-SB-794-05
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	4.7E-07	5.8E-07	1.3E-06	5.0E-07	4.7E-07	4.8E-07	6.9E-07	4.7E-07	5.3E-07	4.8E-07		1.0E-07
AROCLOR-1260												
ARSENIC	1.8E-02	1.1E-02	1.2E-02	1.0E-02	6.6E-03	8.7E-03	1.3E-02	8.2E-03	9.4E-03	8.2E-03	1.3E-02	1.6E-02
COBALT	1.9E-02	6.3E-03	6.1E-02	1.3E-02	1.3E-02	2.2E-02	2.9E-02	9.8E-03	8.7E-03	3.4E-02	5.6E-02	8.2E-03
IRON	4.0E-02	1.1E-03	1.5E-02	2.8E-02	2.1E-02	3.3E-02	2.0E-02	2.2E-02	2.3E-02	2.8E-02	2.4E-02	2.8E-02
LEAD												
MANGANESE	1.4E-02	6.4E-04	7.9E-03	4.7E-03	3.6E-03	2.7E-03	6.2E-03	1.4E-03	1.8E-03	6.2E-03	2.9E-02	2.5E-03
MERCURY	4.2E-05	4.0E-05	6.1E-03	4.2E-05	4.2E-05	4.2E-05	2.2E-03	4.2E-05	4.2E-05	4.2E-05	3.3E-03	4.5E-05
VANADIUM	5.7E-03	2.3E-04	3.2E-03	5.1E-03	4.0E-03	7.4E-03	3.4E-03	4.6E-03	4.3E-03	5.1E-03	3.3E-03	5.4E-03
HEXAVALENT CHROMIUM	1.6E-03	1.1E-04	1.0E-03	1.1E-03	9.2E-04	1.3E-03	1.0E-03	9.6E-04	1.2E-03	1.4E-03	9.9E-04	1.3E-03
TOTAL HAZARD INDEX	9.9E-02	2.0E-02	1.1E-01	6.2E-02	5.0E-02	7.6E-02	7.5E-02	4.7E-02	4.9E-02	8.3E-02	1.3E-01	6.2E-02
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.2E-06	2.7E-06	6.2E-06	2.3E-06	2.2E-06	2.2E-06	3.2E-06	2.2E-06	2.5E-06	2.2E-06		4.7E-07
AROCLOR-1260												
ARSENIC	3.7E-01	2.3E-01	2.5E-01	2.0E-01	1.3E-01	1.8E-01	2.6E-01	1.7E-01	1.9E-01	1.7E-01	2.5E-01	3.2E-01
COBALT	4.5E-01	1.5E-01	1.4E+00	3.1E-01	3.1E-01	5.3E-01	6.9E-01	2.3E-01	2.1E-01	8.0E-01	1.3E+00	1.9E-01
IRON	9.4E-01	2.7E-02	3.5E-01	6.7E-01	5.1E-01	7.9E-01	4.9E-01	5.2E-01	5.5E-01	6.7E-01	5.8E-01	6.8E-01
LEAD												
MANGANESE	1.5E-01	6.6E-03	8.1E-02	4.8E-02	3.7E-02	2.7E-02	6.3E-02	1.4E-02	1.9E-02	6.3E-02	3.0E-01	2.6E-02
MERCURY	5.4E-04	5.1E-04	7.8E-02	5.4E-04	5.4E-04	5.4E-04	2.8E-02	5.4E-04	5.4E-04	5.4E-04	4.2E-02	5.7E-04
VANADIUM	1.3E-01	5.5E-03	7.6E-02	1.2E-01	9.4E-02	1.8E-01	8.1E-02	1.1E-01	1.0E-01	1.2E-01	7.9E-02	1.3E-01
HEXAVALENT CHROMIUM	1.4E-02	9.9E-04	8.9E-03	1.0E-02	8.1E-03	1.1E-02	9.1E-03	8.5E-03	1.1E-02	1.2E-02	8.8E-03	1.2E-02
TOTAL HAZARD INDEX	2.1E+00	4.2E-01	2.3E+00	1.4E+00	1.1E+00	1.7E+00	1.6E+00	1.1E+00	1.1E+00	1.8E+00	2.6E+00	1.4E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	794		SB-795				SB-796			
SAMPLE ID	D-SB-794-07	D-SB-794-09	D-SB-795-03	D-SB-795-05	D-SB-795-07	D-SB-795-09	D-SB-796-03	D-SB-796-05	D-SB-796-07	D-SB-796-09
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9
INDUSTRIAL										
BAP EQUIVALENT-HALFND										
NAPHTHALENE	5.0E-07	4.5E-07		6.3E-07	1.0E-07	5.0E-07	4.4E-07	5.2E-07	5.2E-07	4.8E-07
AROCLOR-1260										
ARSENIC	1.4E-02	1.3E-02	1.3E-02	8.9E-03	1.3E-02	1.0E-02	7.8E-03	2.1E-02	7.1E-03	9.8E-03
COBALT	1.1E-02	5.6E-03	5.1E-02	1.2E-02	3.8E-02	1.4E-02	1.7E-02	1.2E-02	6.5E-03	1.7E-02
IRON	3.7E-02	3.7E-03	3.1E-02	1.6E-02	2.9E-02	2.2E-02	1.2E-02	4.0E-02	2.2E-02	2.9E-02
LEAD										
MANGANESE	4.0E-03	5.3E-04	9.8E-03	2.5E-03	6.6E-03	6.6E-03	4.0E-03	2.1E-03	1.8E-03	1.9E-03
MERCURY	4.5E-05	4.0E-05	4.2E-05	5.2E-05	1.1E-04	4.2E-05	2.4E-03	4.9E-05	4.2E-05	4.0E-05
VANADIUM	6.1E-03	8.8E-04	4.7E-03	3.7E-03	3.6E-03	4.3E-03	2.7E-03	6.4E-03	4.6E-03	7.6E-03
HEXAVALENT CHROMIUM	1.5E-03	4.2E-04	1.3E-03	8.6E-04	1.1E-03	1.1E-03	7.8E-04	1.6E-03	8.1E-04	1.2E-03
TOTAL HAZARD INDEX	7.4E-02	2.4E-02	1.1E-01	4.5E-02	9.2E-02	5.8E-02	4.7E-02	8.4E-02	4.3E-02	6.6E-02
RESIDENTIAL										
BAP EQUIVALENT-HALFND										
NAPHTHALENE	2.3E-06	2.1E-06		2.9E-06	4.7E-07	2.3E-06	2.1E-06	2.4E-06	2.4E-06	2.3E-06
AROCLOR-1260										
ARSENIC	2.8E-01	2.6E-01	2.7E-01	1.8E-01	2.6E-01	2.0E-01	1.6E-01	4.3E-01	1.4E-01	2.0E-01
COBALT	2.6E-01	1.3E-01	1.2E+00	2.9E-01	9.1E-01	3.4E-01	4.1E-01	2.9E-01	1.5E-01	3.9E-01
IRON	8.7E-01	8.7E-02	7.5E-01	3.9E-01	7.0E-01	5.1E-01	2.9E-01	9.4E-01	5.3E-01	6.9E-01
LEAD										
MANGANESE	4.1E-02	5.4E-03	1.0E-01	2.6E-02	6.8E-02	6.7E-02	4.1E-02	2.1E-02	1.8E-02	1.9E-02
MERCURY	5.7E-04	5.1E-04	5.4E-04	6.6E-04	1.4E-03	5.4E-04	3.0E-02	6.3E-04	5.4E-04	5.1E-04
VANADIUM	1.4E-01	2.1E-02	1.1E-01	8.8E-02	8.6E-02	1.0E-01	6.5E-02	1.5E-01	1.1E-01	1.8E-01
HEXAVALENT CHROMIUM	1.3E-02	3.7E-03	1.2E-02	7.5E-03	9.4E-03	9.8E-03	6.9E-03	1.5E-02	7.1E-03	1.0E-02
TOTAL HAZARD INDEX	1.6E+00	5.1E-01	2.4E+00	9.9E-01	2.0E+00	1.2E+00	1.0E+00	1.9E+00	9.6E-01	1.5E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-060	SB-060	SB-060	SB-060	SB-060	SB-061	SB-061	SB-061	SB-061	SB-061	SB-061A
SAMPLE ID	D-SB-60RE-11	D-SB-60RE-12	D-SB-60RE-13	D-SB-60RE-14	D-SB-60RE-15	D-SB-61RE-11	D-SB-61RE-12	D-SB-61RE-13	D-SB-61RE-14	D-SB-61RE-15	D-SB-61REA-11
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	13	14	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14	15	11
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	9.2E-08	2.6E-09	2.6E-09	7.1E-08	2.6E-09	6.3E-07	2.0E-06	2.6E-09	5.8E-07
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	9.2E-08	2.6E-09	2.6E-09	7.1E-08	2.6E-09	6.3E-07	2.0E-06	2.6E-09	5.8E-07
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	2.0E-06	5.6E-08	5.6E-08	1.5E-06	5.6E-08	1.4E-05	4.3E-05	5.6E-08	1.3E-05
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	2.0E-06	5.6E-08	5.6E-08	1.5E-06	5.6E-08	1.4E-05	4.3E-05	5.6E-08	1.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-061A	SB-061A	SB-061B	SB-061B	SB-061B	SB-061C	SB-061C	SB-061C	SB-061D	SB-061D
SAMPLE ID	D-SB-61REA-13	D-SB-61REA-15	D-SB-61REB-11	D-SB-61REB-13	D-SB-61REB-15	D-SB-61REC-11	D-SB-61REC-13	D-SB-61REC-15	D-SB-61RED-11	D-SB-61RED-13
SAMPLE DATE	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012	20091012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	5.3E-07	3.7E-06	5.5E-08	2.6E-09	3.2E-08	2.6E-09	2.6E-09	1.5E-06
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.6E-09	2.6E-09	5.3E-07	3.7E-06	5.5E-08	2.6E-09	3.2E-08	2.6E-09	2.6E-09	1.5E-06
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	1.2E-05	8.1E-05	1.2E-06	5.6E-08	6.9E-07	5.6E-08	5.6E-08	3.2E-05
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.6E-08	5.6E-08	1.2E-05	8.1E-05	1.2E-06	5.6E-08	6.9E-07	5.6E-08	5.6E-08	3.2E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-061D	SB-062	SB-062	SB-062	SB-062	SB-062	SB-062A	SB-062A	SB-062A	SB-062A
SAMPLE ID	D-SB-61RED-15	D-SB-62RE-11	D-SB-62RE-12	D-SB-62RE-13	D-SB-62RE-14	D-SB-62RE-15	D-SB-62REA-11	D-SB-62REA-11-AVG	D-SB-62REA-11-D	D-SB-62REA-13
SAMPLE DATE	20091012	20090914	20090914	20090914	20090914	20090914	20091015	20091015	20091015	20091015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	12	13	14	15	11	11	11	13
BOTTOM DEPTH	15	11	12	13	14	15	11	11	11	13
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	1.6E-07	2.6E-09	2.9E-09	7.7E-06	2.5E-07	1.7E-06	5.1E-07	4.3E-07	3.5E-07	3.1E-07
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.6E-07	2.6E-09	2.9E-09	7.7E-06	2.5E-07	1.7E-06	5.1E-07	4.3E-07	3.5E-07	3.1E-07
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	3.5E-06	5.6E-08	6.4E-08	1.7E-04	5.5E-06	3.6E-05	1.1E-05	9.3E-06	7.5E-06	6.8E-06
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.5E-06	5.6E-08	6.4E-08	1.7E-04	5.5E-06	3.6E-05	1.1E-05	9.3E-06	7.5E-06	6.8E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-062A	SB-062B	SB-062B	SB-062B	SB-062C	SB-062C	SB-062C	SB-062D	SB-062D	SB-062D
SAMPLE ID	D-SB-62REA-15	D-SB-62REB-11	D-SB-62REB-13	D-SB-62REB-15	D-SB-62REC-11	D-SB-62REC-13	D-SB-62REC-15	D-SB-62RED-11	D-SB-62RED-13	D-SB-62RED-15
SAMPLE DATE	20091015	20091015	20091015	20091015	20091015	20091015	20091015	20091014	20091014	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	3.7E-08	2.6E-09	2.6E-09	2.6E-09	2.6E-09	3.5E-07	2.6E-09	2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.7E-08	2.6E-09	2.6E-09	2.6E-09	2.6E-09	3.5E-07	2.6E-09	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	8.0E-07	5.6E-08	5.6E-08	5.6E-08	5.6E-08	7.6E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	8.0E-07	5.6E-08	5.6E-08	5.6E-08	5.6E-08	7.6E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-063	SB-063	SB-063	SB-063	SB-063	SB-065	SB-065	SB-065	SB-065	SB-065	SB-066
SAMPLE ID	D-SB-63RE-11	D-SB-63RE-12	D-SB-63RE-13	D-SB-63RE-14	D-SB-63RE-15	D-SB-65RE-11	D-SB-65RE-12	D-SB-65RE-13	D-SB-65RE-14	D-SB-65RE-15	D-SB-66RE-11
SAMPLE DATE	20090915	20090915	20090915	20090915	20090915	20090916	20090916	20090916	20090916	20090916	20090915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	13	14	15	11	12	13	14	15	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14	15	11
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	4.3E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.8E-09	1.5E-07
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.6E-09	4.3E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.8E-09	1.5E-07
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	9.3E-06	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	6.0E-08	3.3E-06
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	5.6E-08	9.3E-06	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	6.0E-08	3.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-066	SB-066	SB-239	SB-239	SB-240	SB-240	SB-240	SB-240	SB-240	SB-240A
SAMPLE ID	D-SB-66RE-12	D-SB-66RE-15	D-SB-239RE-11	D-SB-239RE-12	D-SB-240RE-11	D-SB-240RE-12	D-SB-240RE-13	D-SB-240RE-14	D-SB-240RE-15	D-SB-240REA-11
SAMPLE DATE	20090914	20090914	20091015	20091015	20090914	20090914	20090914	20090914	20090914	20091014
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	12	15	11	12	11	12	13	14	15	11
BOTTOM DEPTH	12	15	11	12	11	12	13	14	15	11
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	1.6E-07	1.5E-07	6.4E-07	4.2E-07	6.9E-07	1.5E-07	1.2E-06	8.7E-08	7.5E-08	2.6E-09
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.6E-07	1.5E-07	6.4E-07	4.2E-07	6.9E-07	1.5E-07	1.2E-06	8.7E-08	7.5E-08	2.6E-09
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	3.4E-06	3.2E-06	1.4E-05	9.1E-06	1.5E-05	3.2E-06	2.5E-05	1.9E-06	1.6E-06	5.6E-08
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.4E-06	3.2E-06	1.4E-05	9.1E-06	1.5E-05	3.2E-06	2.5E-05	1.9E-06	1.6E-06	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-240A	SB-240A	SB-240B	SB-240B	SB-240C	SB-240C	SB-240C	SB-240D	SB-240D
SAMPLE ID	D-SB-240REA-13	D-SB-240REA-15	D-SB-240REB-11	D-SB-240REB-13	D-SB-240REC-11	D-SB-240REC-13	D-SB-240REC-15	D-SB-240RED-11	D-SB-240RED-11-AVG
SAMPLE DATE	20091014	20091014	20091013	20091013	20091013	20091013	20091013	20091013	20091013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	11	13	15	11	11
BOTTOM DEPTH	13	15	11	13	11	13	15	11	11
INDUSTRIAL									
1,2,3-TRICHLOROBENZENE									
1,2,4-TRICHLOROBENZENE									
1,3-DICHLOROBENZENE									
1,4-DICHLOROBENZENE									
BAP EQUIVALENT-HALFND	2.8E-09	7.3E-08	2.9E-09	3.5E-09	2.8E-09	2.0E-07	3.3E-09	1.0E-06	5.6E-07
NAPHTHALENE									
AROCLOR-1254									
AROCLOR-1260									
ANTIMONY									
ARSENIC									
CADMIUM									
COBALT									
IRON									
LEAD									
MANGANESE									
MERCURY									
MOLYBDENUM									
NICKEL									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	2.8E-09	7.3E-08	2.9E-09	3.5E-09	2.8E-09	2.0E-07	3.3E-09	1.0E-06	5.6E-07
RESIDENTIAL									
1,2,3-TRICHLOROBENZENE									
1,2,4-TRICHLOROBENZENE									
1,3-DICHLOROBENZENE									
1,4-DICHLOROBENZENE									
BAP EQUIVALENT-HALFND	6.0E-08	1.6E-06	6.4E-08	7.5E-08	6.0E-08	4.3E-06	7.1E-08	2.2E-05	1.2E-05
NAPHTHALENE									
AROCLOR-1254									
AROCLOR-1260									
ANTIMONY									
ARSENIC									
CADMIUM									
COBALT									
IRON									
LEAD									
MANGANESE									
MERCURY									
MOLYBDENUM									
NICKEL									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	6.0E-08	1.6E-06	6.4E-08	7.5E-08	6.0E-08	4.3E-06	7.1E-08	2.2E-05	1.2E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-240D	SB-240D	SB-240D	SB-243	SB-243	SB-243	SB-243	SB-243	SB-766	SB-766	SB-766
SAMPLE ID	D-SB-240RED-11-D	D-SB-240RED-13	D-SB-240RED-15	D-SB-243RE-11	D-SB-243RE-12	D-SB-243RE-13	D-SB-243RE-14	D-SB-243RE-15	D-SB-766-11	D-SB-766-13	D-SB-766-15
SAMPLE DATE	20091013	20091013	20091013	20090915	20090915	20090915	20090915	20090915	20100827	20100827	20100827
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	12	13	14	15	11	13	15
BOTTOM DEPTH	11	13	15	11	12	13	14	15	11	13	15
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	1.2E-07	2.2E-06	2.8E-09	2.8E-09	2.8E-09	3.1E-07	2.8E-09	2.8E-09	2.5E-06	4.3E-07	7.6E-09
NAPHTHALENE									2.4E-09	1.7E-08	9.5E-11
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.2E-07	2.2E-06	2.8E-09	2.8E-09	2.8E-09	3.1E-07	2.8E-09	2.8E-09	2.5E-06	4.4E-07	7.7E-09
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.5E-06	4.7E-05	6.0E-08	6.0E-08	6.0E-08	6.8E-06	6.0E-08	6.0E-08	5.4E-05	9.3E-06	1.7E-07
NAPHTHALENE									1.2E-08	8.7E-08	4.8E-10
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.5E-06	4.7E-05	6.0E-08	6.0E-08	6.0E-08	6.8E-06	6.0E-08	6.0E-08	5.4E-05	9.3E-06	1.7E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-767	SB-767	SB-767	SB-768	SB-768	SB-768	SB-769	SB-769	SB-769	SB-770	SB-770	SB-771	SB-771
SAMPLE ID	D-SB-767-11	D-SB-767-13	D-SB-767-15	D-SB-768-11	D-SB-768-13	D-SB-768-15	D-SB-769-11	D-SB-769-13	D-SB-769-15	D-SB-770-13	D-SB-770-15	D-SB-771-11	D-SB-771-13
SAMPLE DATE	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	13	15	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND	7.1E-09	8.8E-07	6.9E-09	6.8E-09	1.3E-06	6.9E-09	6.9E-09	1.6E-07	6.9E-09	6.5E-06	1.0E-06	6.9E-09	7.1E-09
NAPHTHALENE	8.9E-11	4.8E-10	8.7E-11	8.4E-11	1.1E-09	8.7E-11	8.7E-11	8.7E-11	8.7E-11	5.6E-09	1.0E-09	8.7E-11	8.9E-11
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	7.2E-09	8.8E-07	7.0E-09	6.8E-09	1.3E-06	7.0E-09	7.0E-09	1.6E-07	7.0E-09	6.5E-06	1.0E-06	7.0E-09	7.2E-09
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND	1.5E-07	1.9E-05	1.5E-07	1.5E-07	2.7E-05	1.5E-07	1.5E-07	3.5E-06	1.5E-07	1.4E-04	2.3E-05	1.5E-07	1.5E-07
NAPHTHALENE	4.5E-10	2.4E-09	4.4E-10	4.3E-10	5.7E-09	4.4E-10	4.4E-10	4.4E-10	4.4E-10	2.8E-08	5.2E-09	4.4E-10	4.5E-10
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.5E-07	1.9E-05	1.5E-07	1.5E-07	2.7E-05	1.5E-07	1.5E-07	3.5E-06	1.5E-07	1.4E-04	2.3E-05	1.5E-07	1.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-771	SB-772	SB-772	SB-772	SB-773	SB-773	SB-773	SB-774	SB-774	SB-774	SB-774	SB-774
SAMPLE ID	D-SB-771-15	D-SB-772-11	D-SB-772-13	D-SB-772-15	D-SB-773-11	D-SB-773-13	D-SB-773-15	D-SB-774-11	D-SB-774-13	D-SB-774-15	D-SB-774-15-AVG	D-SB-774-15-D
SAMPLE DATE	20100910	20100830	20100830	20100830	20100831	20100831	20100831	20100910	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	15	15
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	15	15
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	6.9E-09	1.0E-07	2.8E-07	4.7E-06	7.1E-09	7.1E-09	1.5E-07	3.3E-07	3.1E-06	1.7E-06	1.6E-06	1.4E-06
NAPHTHALENE	8.7E-11	4.1E-09	1.2E-09	4.3E-08	8.9E-11	8.9E-11	8.7E-11	5.2E-10	3.3E-09	2.0E-09	2.4E-09	2.7E-09
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	7.0E-09	1.1E-07	2.8E-07	4.7E-06	7.2E-09	7.2E-09	1.5E-07	3.3E-07	3.1E-06	1.7E-06	1.6E-06	1.4E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	1.5E-07	2.2E-06	6.0E-06	1.0E-04	1.5E-07	1.5E-07	3.2E-06	7.2E-06	6.7E-05	3.7E-05	3.4E-05	3.0E-05
NAPHTHALENE	4.4E-10	2.1E-08	6.1E-09	2.2E-07	4.5E-10	4.5E-10	4.4E-10	2.6E-09	1.7E-08	1.0E-08	1.2E-08	1.4E-08
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.5E-07	2.3E-06	6.0E-06	1.0E-04	1.5E-07	1.5E-07	3.2E-06	7.3E-06	6.7E-05	3.7E-05	3.4E-05	3.0E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-057	SB-057	SB-057	SB-057	SB-057	SB-057	SB-058	SB-058	SB-058	SB-058	SB-058	SB-058
SAMPLE ID	F-SB-57RE-11	F-SB-57RE-12	F-SB-57RE-13	F-SB-57RE-14	F-SB-57RE-15	SB-57-15	F-SB-58RE-11	F-SB-58RE-12	F-SB-58RE-13	F-SB-58RE-14	F-SB-58RE-15	SB-58-15
SAMPLE DATE	20090917	20090917	20090917	20090917	20090917	20040913	20090917	20090917	20090917	20090917	20090917	20040913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	13	14	15	15	11	12	13	14	15	15
BOTTOM DEPTH	11	12	13	14	15	15	11	12	13	14	15	15
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE						1.5E-11						1.5E-11
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE						1.9E-10						1.9E-10
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09		2.2E-08	5.0E-06	1.3E-07	2.8E-09	2.8E-09	
NAPHTHALENE						1.3E-10						1.3E-10
AROCLOR-1254						1.4E-07						1.5E-07
AROCLOR-1260						1.4E-07						1.5E-07
ANTIMONY												
ARSENIC						2.4E-07						1.9E-06
CADMIUM						6.4E-11						7.0E-11
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL						9.2E-12						1.2E-10
VANADIUM												
HEXAVALENT CHROMIUM						1.6E-07						7.2E-07
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	6.8E-07	2.2E-08	5.0E-06	1.3E-07	2.8E-09	2.8E-09	3.0E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE						1.5E-10						1.5E-10
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE						9.8E-10						9.8E-10
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08		4.7E-07	1.1E-04	2.9E-06	6.0E-08	6.0E-08	
NAPHTHALENE						6.5E-10						6.5E-10
AROCLOR-1254						6.9E-07						7.7E-07
AROCLOR-1260						6.9E-07						7.7E-07
ANTIMONY												
ARSENIC						1.9E-06						1.5E-05
CADMIUM						1.3E-10						1.4E-10
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL						1.9E-11						2.4E-10
VANADIUM												
HEXAVALENT CHROMIUM						2.3E-06						1.1E-05
TOTAL CANCER RISK	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-06	4.7E-07	1.1E-04	2.9E-06	6.0E-08	6.0E-08	2.7E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-058	SB-058A	SB-058A	SB-058B	SB-058B	SB-058C	SB-058C	SB-058D	SB-058D	SB-059	SB-062	SB-065
SAMPLE ID	SB-58-20	F-SB-58REA-12	F-SB-58REA-14	F-SB-58REB-12	F-SB-58REB-14	F-SB-58REC-12	F-SB-58REC-14	F-SB-58RED-12	F-SB-58RED-14	SB-59-15	SB-62-15	SB-65-15
SAMPLE DATE	20040913	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20040923	20040923	20040917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	20	12	14	12	14	12	14	12	14	15	15	15
BOTTOM DEPTH	20	12	14	12	14	12	14	12	14	15	15	15
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.5E-11									1.5E-11	1.5E-11	1.5E-11
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	1.9E-10									1.9E-10	1.9E-10	1.9E-10
BAP EQUIVALENT-HALFND	7.6E-07	1.8E-07	2.6E-09	3.6E-09	1.7E-06	1.5E-07	9.1E-07	1.7E-07	1.7E-07	1.0E-05		
NAPHTHALENE	1.3E-10									1.3E-10	1.3E-10	1.3E-10
AROCLOR-1254	1.6E-07									1.4E-07	1.5E-07	1.4E-07
AROCLOR-1260	1.6E-07									1.4E-07	1.5E-07	1.4E-07
ANTIMONY												
ARSENIC	9.1E-07									1.0E-06	2.6E-07	1.0E-07
CADMIUM	6.8E-11									5.7E-11	5.9E-11	6.4E-11
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	1.5E-10									9.8E-11	8.5E-12	4.3E-11
VANADIUM												
HEXAVALENT CHROMIUM	1.0E-07									7.4E-07	1.8E-07	3.9E-08
TOTAL CANCER RISK	2.1E-06	1.8E-07	2.6E-09	3.6E-09	1.7E-06	1.5E-07	9.1E-07	1.7E-07	1.7E-07	1.3E-05	7.4E-07	4.2E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.5E-10									1.5E-10	1.5E-10	1.5E-10
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	9.8E-10									9.8E-10	9.8E-10	9.8E-10
BAP EQUIVALENT-HALFND	1.7E-05	3.9E-06	5.6E-08	7.9E-08	3.7E-05	3.3E-06	2.0E-05	3.7E-06	3.8E-06	2.3E-04		
NAPHTHALENE	6.5E-10									6.5E-10	6.5E-10	6.5E-10
AROCLOR-1254	8.2E-07									7.2E-07	7.4E-07	6.9E-07
AROCLOR-1260	8.2E-07									7.2E-07	7.4E-07	6.9E-07
ANTIMONY												
ARSENIC	7.1E-06									8.0E-06	2.0E-06	8.1E-07
CADMIUM	1.4E-10									1.1E-10	1.2E-10	1.3E-10
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	3.0E-10									2.0E-10	1.7E-11	8.7E-11
VANADIUM												
HEXAVALENT CHROMIUM	1.6E-06									1.1E-05	2.6E-06	5.8E-07
TOTAL CANCER RISK	2.7E-05	3.9E-06	5.6E-08	7.9E-08	3.7E-05	3.3E-06	2.0E-05	3.7E-06	3.8E-06	2.5E-04	6.1E-06	2.8E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-065	SB-067	SB-067	SB-067	SB-244	SB-245	SB-246	SB-247	SB-248	SB-249	SB-775	SB-775	SB-775	SB-776
SAMPLE ID	SB-65-20	SB-67-15	SB-67-20	SB-67-25	SB-244-15	SB-245-15	SB-246-15	SB-247-15	SB-248-15	SB-249-15	D-SB-775-11	D-SB-775-13	D-SB-775-15	D-SB-776-11
SAMPLE DATE	20040917	20040927	20040927	20040927	20050607	20050607	20050607	20050607	20050607	20050607	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	20	15	20	25	15	15	15	15	15	15	11	13	15	11
BOTTOM DEPTH	20	15	20	25	15	15	15	15	15	15	11	13	15	11
INDUSTRIAL														
1,2,3-TRICHLOROBENZENE														
1,2,4-TRICHLOROBENZENE	1.5E-11	1.5E-11	1.5E-11	1.5E-11										
1,3-DICHLOROBENZENE														
1,4-DICHLOROBENZENE	1.9E-10	1.9E-10	1.9E-10	1.9E-10										
BAP EQUIVALENT-HALFND	6.8E-07	7.1E-07	1.1E-05	7.1E-07							3.9E-07	6.1E-07	7.3E-09	3.1E-07
NAPHTHALENE	1.3E-10	1.3E-10	1.3E-10	1.3E-10							8.4E-11	8.4E-11	9.1E-11	8.9E-11
AROCLOR-1254	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.9E-08	1.9E-08	2.0E-08	1.9E-08	1.9E-08	1.8E-08				
AROCLOR-1260	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.9E-08	1.9E-08	2.0E-08	1.9E-08	1.9E-08	1.8E-08				
ANTIMONY														
ARSENIC	1.0E-07	9.1E-07	4.4E-07	9.5E-08					3.7E-07					
CADMIUM	6.4E-11	6.6E-11	6.1E-11	5.9E-11					4.1E-12					
COBALT									1.9E-09					
IRON														
LEAD														
MANGANESE														
MERCURY														
MOLYBDENUM														
NICKEL	2.3E-11	6.6E-11	2.8E-11	5.0E-11					2.4E-10					
VANADIUM														
HEXAVALENT CHROMIUM	3.9E-08	3.9E-07	5.2E-07	4.4E-07					7.8E-07					
TOTAL CANCER RISK	1.1E-06	2.3E-06	1.2E-05	1.5E-06	3.8E-08	3.9E-08	4.0E-08	3.8E-08	1.2E-06	3.7E-08	3.9E-07	6.1E-07	7.4E-09	3.1E-07
RESIDENTIAL														
1,2,3-TRICHLOROBENZENE														
1,2,4-TRICHLOROBENZENE	1.5E-10	1.5E-10	1.5E-10	1.5E-10										
1,3-DICHLOROBENZENE														
1,4-DICHLOROBENZENE	9.8E-10	9.8E-10	9.8E-10	9.8E-10										
BAP EQUIVALENT-HALFND	1.5E-05	1.5E-05	2.4E-04	1.5E-05							8.5E-06	1.3E-05	1.6E-07	6.6E-06
NAPHTHALENE	6.5E-10	6.5E-10	6.5E-10	6.5E-10							4.3E-10	4.3E-10	4.6E-10	4.5E-10
AROCLOR-1254	7.2E-07	7.7E-07	7.7E-07	7.4E-07	9.4E-08	9.7E-08	9.9E-08	9.4E-08	9.4E-08	9.2E-08				
AROCLOR-1260	7.2E-07	7.7E-07	7.7E-07	7.4E-07	9.4E-08	9.7E-08	9.9E-08	9.4E-08	9.4E-08	9.2E-08				
ANTIMONY														
ARSENIC	8.1E-07	7.1E-06	3.4E-06	7.4E-07					2.8E-06					
CADMIUM	1.3E-10	1.3E-10	1.2E-10	1.2E-10					8.2E-12					
COBALT									3.9E-09					
IRON														
LEAD														
MANGANESE														
MERCURY														
MOLYBDENUM														
NICKEL	4.6E-11	1.3E-10	5.7E-11	1.0E-10					4.8E-10					
VANADIUM														
HEXAVALENT CHROMIUM	5.8E-07	5.8E-06	7.8E-06	6.6E-06					1.2E-05					
TOTAL CANCER RISK	1.7E-05	3.0E-05	2.5E-04	2.4E-05	1.9E-07	1.9E-07	2.0E-07	1.9E-07	1.5E-05	1.8E-07	8.5E-06	1.3E-05	1.6E-07	6.6E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-776	SB-776	SB-777	SB-777	SB-777	SB-778	SB-778	SB-778	SB-779	SB-779	SB-779	SB-780	SB-780
SAMPLE ID	D-SB-776-13	D-SB-776-15	D-SB-777-11	D-SB-777-13	D-SB-777-15	D-SB-778-11	D-SB-778-13	D-SB-778-15	D-SB-779-11	D-SB-779-13	D-SB-779-15	D-SB-780-11	D-SB-780-13
SAMPLE DATE	20100831	20100831	20100910	20100910	20100910	20100831	20100831	20100831	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND	3.4E-07	6.8E-09	7.5E-08	9.3E-07	6.8E-09	6.9E-09	2.2E-05	5.4E-08	7.3E-09	1.5E-07	6.8E-09	6.6E-09	6.9E-07
NAPHTHALENE	9.3E-11	8.4E-11	8.2E-11	1.6E-09	8.4E-11	8.7E-11	3.4E-09	8.7E-11	9.1E-11	8.4E-11	8.4E-11	8.2E-11	9.3E-11
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	3.4E-07	6.8E-09	7.5E-08	9.3E-07	6.8E-09	7.0E-09	2.2E-05	5.4E-08	7.4E-09	1.5E-07	6.8E-09	6.7E-09	6.9E-07
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND	7.3E-06	1.5E-07	1.6E-06	2.0E-05	1.5E-07	1.5E-07	4.7E-04	1.2E-06	1.6E-07	3.2E-06	1.5E-07	1.4E-07	1.5E-05
NAPHTHALENE	4.7E-10	4.3E-10	4.1E-10	8.3E-09	4.3E-10	4.4E-10	1.7E-08	4.4E-10	4.6E-10	4.3E-10	4.3E-10	4.1E-10	4.7E-10
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	7.3E-06	1.5E-07	1.6E-06	2.0E-05	1.5E-07	1.5E-07	4.7E-04	1.2E-06	1.6E-07	3.2E-06	1.5E-07	1.4E-07	1.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-780	SB-781	SB-781	SB-781	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783	SB-784	SB-784	SB-784
SAMPLE ID	D-SB-780-15	D-SB-781-11	D-SB-781-13	D-SB-781-15	D-SB-782-11	D-SB-782-13	D-SB-782-15	D-SB-783-11	D-SB-783-13	D-SB-783-15	D-SB-784-11	D-SB-784-13	D-SB-784-15
SAMPLE DATE	20100901	20100901	20100901	20100901	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11	13	15
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE					5.8E-13	6.6E-13	5.6E-13	5.8E-13	6.3E-13	7.9E-13	6.3E-13	5.8E-13	6.3E-13
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE					1.8E-11	2.0E-11	1.7E-11	1.8E-11	1.9E-11	2.4E-11	1.9E-11	1.8E-11	1.9E-11
BAP EQUIVALENT-HALFND	9.0E-08	6.4E-09	4.6E-07	6.8E-09	6.6E-09	2.0E-08	6.6E-09	6.8E-09	6.9E-09	6.9E-09	6.8E-09	6.6E-09	7.1E-09
NAPHTHALENE	8.4E-11	8.0E-11	8.9E-11	8.4E-11	3.5E-12	3.9E-12	3.2E-12	3.5E-12	3.9E-12	4.8E-12	3.7E-12	3.5E-12	3.7E-12
AROCLOR-1254					1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260					1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
ANTIMONY													
ARSENIC					1.4E-06	1.7E-06	9.5E-07	7.7E-07	8.8E-07	1.6E-06	4.8E-07	9.1E-07	2.6E-06
CADMIUM					3.5E-12	2.5E-12	4.4E-12	2.5E-13	2.7E-13	4.3E-13	2.7E-13	3.2E-13	5.2E-13
COBALT					2.5E-09	1.3E-09	1.9E-09	9.8E-10	6.8E-10	1.8E-09	1.6E-09	2.1E-09	3.2E-09
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL					2.1E-10	1.0E-10	1.2E-10	6.0E-11	4.1E-11	1.6E-10	1.2E-10	1.7E-10	2.5E-10
VANADIUM													
HEXAVALENT CHROMIUM					5.5E-07	4.9E-07	3.7E-07	2.8E-07	3.1E-07	5.9E-07	4.0E-07	7.1E-07	8.9E-07
TOTAL CANCER RISK	9.0E-08	6.5E-09	4.6E-07	6.8E-09	2.0E-06	2.2E-06	1.3E-06	1.1E-06	1.2E-06	2.2E-06	9.0E-07	1.7E-06	3.6E-06
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE					5.8E-12	6.6E-12	5.6E-12	5.8E-12	6.3E-12	7.8E-12	6.3E-12	5.8E-12	6.3E-12
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE					8.9E-11	1.0E-10	8.6E-11	8.9E-11	9.9E-11	1.2E-10	9.8E-11	9.1E-11	9.8E-11
BAP EQUIVALENT-HALFND	2.0E-06	1.4E-07	9.9E-06	1.5E-07	1.4E-07	4.4E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07
NAPHTHALENE	4.3E-10	4.0E-10	4.5E-10	4.3E-10	1.7E-11	2.0E-11	1.6E-11	1.7E-11	2.0E-11	2.4E-11	1.9E-11	1.7E-11	1.9E-11
AROCLOR-1254					5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08
AROCLOR-1260					5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08
ANTIMONY													
ARSENIC					1.1E-05	1.3E-05	7.4E-06	6.0E-06	6.8E-06	1.2E-05	3.7E-06	7.1E-06	2.1E-05
CADMIUM					7.1E-12	4.9E-12	8.8E-12	5.0E-13	5.5E-13	8.7E-13	5.5E-13	6.4E-13	1.1E-12
COBALT					5.0E-09	2.7E-09	3.8E-09	2.0E-09	1.4E-09	3.7E-09	3.3E-09	4.2E-09	6.5E-09
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL					4.2E-10	2.1E-10	2.3E-10	1.2E-10	8.3E-11	3.2E-10	2.4E-10	3.4E-10	5.0E-10
VANADIUM													
HEXAVALENT CHROMIUM					8.2E-06	7.3E-06	5.5E-06	4.2E-06	4.7E-06	8.9E-06	5.9E-06	1.1E-05	1.3E-05
TOTAL CANCER RISK	2.0E-06	1.4E-07	9.9E-06	1.5E-07	2.0E-05	2.1E-05	1.3E-05	1.0E-05	1.2E-05	2.1E-05	9.9E-06	1.8E-05	3.4E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-785	SB-785	SB-785	SB-786	SB-786	SB-786	SB-787	SB-787	SB-787	SB-788	SB-788	SB-788	SB-789
SAMPLE ID	D-SB-785-11	D-SB-785-13	D-SB-785-15	D-SB-786-11	D-SB-786-13	D-SB-786-15	D-SB-787-11	D-SB-787-13	D-SB-787-15	D-SB-788-11	D-SB-788-13	D-SB-788-15	D-SB-789-11
SAMPLE DATE	20100908	20100908	20100908	20100903	20100903	20100908	20100908	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE	6.1E-13	6.3E-13	6.1E-13	1.3E-11	1.6E-11	5.6E-13	5.6E-13	5.8E-13	5.8E-13	8.1E-13	6.6E-13	5.6E-13	5.6E-13
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	1.9E-11	1.9E-11	1.9E-11	1.8E-10	2.3E-10	1.7E-11	1.7E-11	1.8E-11	1.8E-11	2.5E-11	2.1E-11	1.7E-11	1.7E-11
BAP EQUIVALENT-HALFND	6.8E-09	6.2E-08	6.8E-09	6.6E-09	6.9E-09	6.4E-09	6.6E-09	6.8E-09	6.4E-09	6.9E-09	7.1E-09	6.6E-09	6.8E-09
NAPHTHALENE	1.7E-11	1.8E-11	1.8E-11	1.1E-08	2.3E-08	2.0E-09	1.6E-11	1.7E-11	1.6E-11	2.4E-11	1.9E-11	1.6E-11	3.5E-12
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08	9.5E-09	9.5E-09	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08	9.5E-09	9.5E-09	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08
ANTIMONY													
ARSENIC	1.2E-06	1.1E-06	1.4E-06	9.1E-07	4.8E-07	3.2E-07	1.8E-06	2.0E-06	6.2E-07	2.0E-06	2.7E-06	1.9E-06	1.0E-06
CADMIUM	2.1E-13	5.5E-12	3.0E-13	1.0E-12	1.9E-12	1.5E-12	3.5E-12	4.1E-12	3.5E-12	1.5E-12	4.8E-13	7.0E-13	3.0E-13
COBALT	1.8E-09	3.1E-09	2.0E-09	3.4E-10	1.9E-09	4.3E-10	1.7E-09	2.7E-09	1.1E-09	2.8E-09	1.2E-09	2.5E-09	1.3E-09
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL	1.5E-10	2.2E-10	1.8E-10	1.6E-11	9.2E-11	2.1E-11	1.1E-10	1.6E-10	6.0E-11	2.5E-10	1.1E-10	2.3E-10	1.0E-10
VANADIUM													
HEXAVALENT CHROMIUM	7.9E-07	6.4E-07	7.9E-07	1.0E-07	5.2E-07	5.8E-08	8.0E-07	7.7E-07	1.3E-07	9.4E-07	8.3E-07	8.5E-07	3.8E-07
TOTAL CANCER RISK	2.0E-06	1.9E-06	2.2E-06	1.1E-06	1.0E-06	4.1E-07	2.7E-06	2.8E-06	7.8E-07	3.0E-06	3.6E-06	2.8E-06	1.4E-06
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE	6.1E-12	6.3E-12	6.1E-12	1.3E-10	1.6E-10	5.6E-12	5.6E-12	5.8E-12	5.8E-12	8.1E-12	6.6E-12	5.6E-12	5.6E-12
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	9.6E-11	9.9E-11	9.6E-11	9.1E-10	1.2E-09	8.6E-11	8.6E-11	8.9E-11	9.1E-11	1.3E-10	1.1E-10	8.6E-11	8.8E-11
BAP EQUIVALENT-HALFND	1.5E-07	1.3E-06	1.5E-07	1.4E-07	1.5E-07	1.4E-07	1.4E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07
NAPHTHALENE	8.7E-11	8.8E-11	8.8E-11	5.7E-08	1.2E-07	1.0E-08	8.3E-11	8.4E-11	8.3E-11	1.2E-10	9.5E-11	8.0E-11	1.7E-11
AROCLOR-1254	5.0E-08	5.2E-08	5.0E-08	4.7E-08	5.2E-08	4.7E-08	4.7E-08	5.0E-08	4.7E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08
AROCLOR-1260	5.0E-08	5.2E-08	5.0E-08	4.7E-08	5.2E-08	4.7E-08	4.7E-08	5.0E-08	4.7E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08
ANTIMONY													
ARSENIC	9.1E-06	8.8E-06	1.1E-05	7.1E-06	3.7E-06	2.5E-06	1.4E-05	1.5E-05	4.8E-06	1.6E-05	2.1E-05	1.5E-05	8.0E-06
CADMIUM	4.2E-13	1.1E-11	6.0E-13	2.1E-12	3.8E-12	3.1E-12	7.1E-12	8.3E-12	7.1E-12	3.1E-12	9.6E-13	1.4E-12	6.0E-13
COBALT	3.7E-09	6.3E-09	3.9E-09	6.9E-10	3.9E-09	8.7E-10	3.4E-09	5.4E-09	2.2E-09	5.6E-09	2.3E-09	5.1E-09	2.6E-09
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL	3.0E-10	4.3E-10	3.7E-10	3.3E-11	1.9E-10	4.2E-11	2.1E-10	3.3E-10	1.2E-10	5.0E-10	2.2E-10	4.6E-10	2.1E-10
VANADIUM													
HEXAVALENT CHROMIUM	1.2E-05	9.6E-06	1.2E-05	1.6E-06	7.8E-06	8.7E-07	1.2E-05	1.1E-05	1.9E-06	1.4E-05	1.2E-05	1.3E-05	5.6E-06
TOTAL CANCER RISK	2.1E-05	2.0E-05	2.3E-05	9.0E-06	1.2E-05	3.6E-06	2.6E-05	2.7E-05	7.0E-06	3.0E-05	3.4E-05	2.8E-05	1.4E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-789	SB-789	SB-790	SB-790	SB-790	SB-791	SB-791	SB-791	SB-792	SB-792	SB-792	SB-793	SB-793
SAMPLE ID	D-SB-789-13	D-SB-789-15	D-SB-790-11	D-SB-790-13	D-SB-790-15	D-SB-791-11	D-SB-791-13	D-SB-791-15	D-SB-792-11	D-SB-792-13	D-SB-792-15	D-SB-793-11	D-SB-793-13
SAMPLE DATE	20100908	20100908	20100908	20100908	20100908	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE	5.6E-13	6.1E-13	6.3E-13	6.1E-13	5.6E-13	5.8E-13	7.1E-13	6.3E-13	5.8E-13	6.3E-13	6.3E-13	6.3E-13	6.1E-13
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	1.8E-11	1.9E-11	1.9E-11	1.9E-11	1.8E-11	1.8E-11	2.2E-11	1.9E-11	1.8E-11	1.9E-11	2.0E-11	1.9E-11	1.9E-11
BAP EQUIVALENT-HALFND	6.9E-09	6.6E-09	7.1E-09	6.9E-09	6.6E-09	6.6E-09	6.8E-09	7.1E-09	6.6E-09	7.1E-09	6.6E-09	6.8E-09	6.8E-09
NAPHTHALENE	3.5E-12	3.7E-12	3.9E-12	3.7E-12	3.5E-12	1.7E-11	2.2E-11	1.8E-11	1.7E-11	1.7E-11	1.9E-11	3.9E-12	3.7E-12
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
ANTIMONY													
ARSENIC	2.5E-06	1.6E-06	7.7E-07	1.8E-06	1.2E-06	1.4E-06	1.0E-06	3.0E-06	1.2E-06	1.8E-06	2.4E-07	1.7E-06	9.9E-07
CADMIUM	1.9E-12	1.5E-12	2.2E-13	5.7E-13	6.1E-13	3.4E-13	3.9E-13	5.7E-13	4.3E-13	6.1E-13	4.5E-13	5.0E-13	5.5E-13
COBALT	4.8E-09	4.1E-09	5.9E-10	2.0E-09	1.7E-09	8.4E-10	1.3E-09	3.1E-09	2.0E-09	3.1E-09	1.2E-09	3.4E-09	2.5E-09
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL	3.6E-10	2.7E-10	3.5E-11	1.8E-10	1.6E-10	6.1E-11	1.2E-10	1.8E-10	1.1E-10	2.5E-10	5.6E-11	1.9E-10	1.2E-10
VANADIUM													
HEXAVALENT CHROMIUM	9.2E-07	7.7E-07	2.6E-07	6.1E-07	6.3E-07	4.4E-07	5.7E-07	1.5E-06	7.2E-07	1.5E-06	3.3E-07	7.3E-07	5.0E-07
TOTAL CANCER RISK	3.4E-06	2.4E-06	1.1E-06	2.5E-06	1.9E-06	1.9E-06	1.6E-06	4.6E-06	2.0E-06	3.4E-06	6.0E-07	2.4E-06	1.5E-06
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE	5.6E-12	6.1E-12	6.3E-12	6.1E-12	5.6E-12	5.8E-12	7.1E-12	6.3E-12	5.8E-12	6.3E-12	6.3E-12	6.3E-12	6.1E-12
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	8.9E-11	9.6E-11	9.9E-11	9.6E-11	8.9E-11	9.3E-11	1.1E-10	9.8E-11	9.3E-11	9.8E-11	1.0E-10	9.9E-11	9.8E-11
BAP EQUIVALENT-HALFND	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.4E-07	1.4E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07
NAPHTHALENE	1.7E-11	1.9E-11	2.0E-11	1.9E-11	1.7E-11	8.6E-11	1.1E-10	9.1E-11	8.7E-11	8.6E-11	9.5E-11	2.0E-11	1.9E-11
AROCLOR-1254	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08
AROCLOR-1260	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08
ANTIMONY													
ARSENIC	1.9E-05	1.3E-05	6.0E-06	1.4E-05	9.4E-06	1.1E-05	8.0E-06	2.3E-05	9.4E-06	1.4E-05	1.9E-06	1.3E-05	7.7E-06
CADMIUM	3.8E-12	3.1E-12	4.4E-13	1.1E-12	1.2E-12	6.9E-13	7.8E-13	1.1E-12	8.7E-13	1.2E-12	9.2E-13	1.0E-12	1.1E-12
COBALT	9.8E-09	8.3E-09	1.2E-09	4.0E-09	3.4E-09	1.7E-09	2.7E-09	6.2E-09	4.0E-09	6.2E-09	2.5E-09	6.9E-09	5.0E-09
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL	7.2E-10	5.5E-10	7.1E-11	3.7E-10	3.3E-10	1.2E-10	2.3E-10	3.7E-10	2.1E-10	5.0E-10	1.1E-10	3.8E-10	2.5E-10
VANADIUM													
HEXAVALENT CHROMIUM	1.4E-05	1.1E-05	3.9E-06	9.1E-06	9.4E-06	6.6E-06	8.5E-06	2.3E-05	1.1E-05	2.3E-05	5.0E-06	1.1E-05	7.4E-06
TOTAL CANCER RISK	3.3E-05	2.5E-05	1.0E-05	2.4E-05	1.9E-05	1.8E-05	1.7E-05	4.7E-05	2.0E-05	3.7E-05	7.1E-06	2.4E-05	1.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-793	SB-794	SB-794	SB-794	SB-795	SB-795	SB-795	SB-796	SB-796	SB-796
SAMPLE ID	D-SB-793-15	D-SB-794-11	D-SB-794-13	D-SB-794-15	D-SB-795-11	D-SB-795-13	D-SB-795-15	D-SB-796-11	D-SB-796-13	D-SB-796-15
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE	6.1E-13	5.8E-13	6.1E-13	6.1E-13	6.8E-13	6.8E-13	7.1E-13	5.6E-13	6.1E-13	5.8E-13
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE	1.9E-11	1.8E-11	1.9E-11	1.9E-11	2.1E-11	2.1E-11	2.2E-11	1.7E-11	1.9E-11	1.8E-11
BAP EQUIVALENT-HALFND	6.9E-09	6.8E-09	6.9E-09	6.8E-09	6.8E-09	6.9E-09	6.9E-09	6.6E-09	6.9E-09	6.6E-09
NAPHTHALENE	3.7E-12	3.7E-12	1.6E-11	1.7E-11	1.9E-11	1.9E-11	2.0E-11	1.5E-11	1.6E-11	1.5E-11
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09
ANTIMONY										
ARSENIC	7.7E-07	5.5E-07	2.6E-06	8.4E-07	8.4E-07	1.5E-06	1.2E-06	4.8E-07	1.6E-07	2.7E-06
CADMIUM	3.9E-13	3.2E-13	7.5E-13	4.5E-13	2.1E-13	4.5E-13	3.4E-13	5.2E-13	5.7E-13	4.5E-13
COBALT	2.7E-09	1.4E-09	3.3E-09	2.4E-09	3.9E-10	2.7E-09	2.3E-09	8.9E-10	5.5E-10	8.2E-10
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL	1.5E-10	7.9E-11	2.3E-10	1.5E-10	2.6E-11	2.0E-10	1.6E-10	5.6E-11	2.7E-11	3.7E-11
VANADIUM										
HEXAVALENT CHROMIUM	4.9E-07	2.6E-07	7.3E-07	6.2E-07	3.4E-07	9.0E-07	7.0E-07	4.8E-07	1.0E-07	9.6E-08
TOTAL CANCER RISK	1.3E-06	8.4E-07	3.3E-06	1.5E-06	1.2E-06	2.5E-06	1.9E-06	9.8E-07	2.9E-07	2.8E-06
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE	6.1E-12	5.8E-12	6.1E-12	6.1E-12	6.8E-12	6.8E-12	7.1E-12	5.6E-12	6.1E-12	5.8E-12
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE	9.6E-11	9.3E-11	9.4E-11	9.4E-11	1.1E-10	1.1E-10	1.1E-10	8.6E-11	9.4E-11	8.9E-11
BAP EQUIVALENT-HALFND	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.4E-07
NAPHTHALENE	1.9E-11	1.9E-11	8.2E-11	8.4E-11	9.6E-11	9.4E-11	1.0E-10	7.5E-11	8.1E-11	7.6E-11
AROCLOR-1254	5.2E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08	4.7E-08
AROCLOR-1260	5.2E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.2E-08	4.7E-08
ANTIMONY										
ARSENIC	6.0E-06	4.3E-06	2.0E-05	6.6E-06	6.6E-06	1.2E-05	9.1E-06	3.7E-06	1.2E-06	2.1E-05
CADMIUM	7.8E-13	6.4E-13	1.5E-12	9.2E-13	4.3E-13	9.2E-13	6.9E-13	1.1E-12	1.1E-12	9.2E-13
COBALT	5.5E-09	2.7E-09	6.7E-09	4.9E-09	7.8E-10	5.4E-09	4.6E-09	1.8E-09	1.1E-09	1.6E-09
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL	3.1E-10	1.6E-10	4.7E-10	3.1E-10	5.2E-11	4.0E-10	3.2E-10	1.1E-10	5.4E-11	7.5E-11
VANADIUM										
HEXAVALENT CHROMIUM	7.3E-06	4.0E-06	1.1E-05	9.3E-06	5.1E-06	1.3E-05	1.1E-05	7.1E-06	1.5E-06	1.4E-06
TOTAL CANCER RISK	1.4E-05	8.5E-06	3.1E-05	1.6E-05	1.2E-05	2.6E-05	2.0E-05	1.1E-05	3.0E-06	2.2E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-766	SB-766	SB-766	SB-767	SB-767	SB-767	SB-768	SB-768	SB-768	SB-769	SB-769	SB-769	SB-770
SAMPLE ID	D-SB-766-11	D-SB-766-13	D-SB-766-15	D-SB-767-11	D-SB-767-13	D-SB-767-15	D-SB-768-11	D-SB-768-13	D-SB-768-15	D-SB-769-11	D-SB-769-13	D-SB-769-15	D-SB-770-13
SAMPLE DATE	20100827	20100827	20100827	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830	20100830
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	13
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	7.0E-05	5.0E-04	2.8E-06	2.6E-06	1.4E-05	2.5E-06	2.4E-06	3.3E-05	2.5E-06	2.5E-06	2.5E-06	2.5E-06	1.6E-04
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	7.0E-05	5.0E-04	2.8E-06	2.6E-06	1.4E-05	2.5E-06	2.4E-06	3.3E-05	2.5E-06	2.5E-06	2.5E-06	2.5E-06	1.6E-04
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	3.3E-04	2.3E-03	1.3E-05	1.2E-05	6.5E-05	1.2E-05	1.1E-05	1.5E-04	1.2E-05	1.2E-05	1.2E-05	1.2E-05	7.6E-04
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	3.3E-04	2.3E-03	1.3E-05	1.2E-05	6.5E-05	1.2E-05	1.1E-05	1.5E-04	1.2E-05	1.2E-05	1.2E-05	1.2E-05	7.6E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-770	SB-771	SB-771	SB-771	SB-772	SB-772	SB-772	SB-773	SB-773	SB-773	SB-774	SB-774	SB-774
SAMPLE ID	D-SB-770-15	D-SB-771-11	D-SB-771-13	D-SB-771-15	D-SB-772-11	D-SB-772-13	D-SB-772-15	D-SB-773-11	D-SB-773-13	D-SB-773-15	D-SB-774-11	D-SB-774-13	D-SB-774-15
SAMPLE DATE	20100830	20100910	20100910	20100910	20100830	20100830	20100830	20100831	20100831	20100831	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11	13	15
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	3.0E-05	2.5E-06	2.6E-06	2.5E-06	1.2E-04	3.5E-05	1.2E-03	2.6E-06	2.6E-06	2.5E-06	1.5E-05	9.5E-05	5.9E-05
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	3.0E-05	2.5E-06	2.6E-06	2.5E-06	1.2E-04	3.5E-05	1.2E-03	2.6E-06	2.6E-06	2.5E-06	1.5E-05	9.5E-05	5.9E-05
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	1.4E-04	1.2E-05	1.2E-05	1.2E-05	5.6E-04	1.6E-04	5.8E-03	1.2E-05	1.2E-05	1.2E-05	7.0E-05	4.5E-04	2.8E-04
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	1.4E-04	1.2E-05	1.2E-05	1.2E-05	5.6E-04	1.6E-04	5.8E-03	1.2E-05	1.2E-05	1.2E-05	7.0E-05	4.5E-04	2.8E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-774	SB-774	SB-057	SB-058	SB-058	SB-059	SB-062	SB-065	SB-065	SB-067	SB-067
SAMPLE ID	D-SB-774-15-AVG	D-SB-774-15-D	SB-57-15	SB-58-15	SB-58-20	SB-59-15	SB-62-15	SB-65-15	SB-65-20	SB-67-15	SB-67-20
SAMPLE DATE	20100910	20100910	20040913	20040913	20040913	20040923	20040923	20040917	20040917	20040927	20040927
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	15	15	15	20	15	15	15	20	15	20
BOTTOM DEPTH	15	15	15	15	20	15	15	15	20	15	20
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE			1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06
1,2,4-TRICHLOROBENZENE			8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06	8.5E-06
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE			8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08	8.9E-08
BAP EQUIVALENT-HALFND											
NAPHTHALENE	6.9E-05	7.9E-05	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06
AROCLOR-1254			9.8E-03	1.1E-02	1.1E-02	1.0E-02	1.0E-02	9.8E-03	1.0E-02	1.1E-02	1.1E-02
AROCLOR-1260											
ANTIMONY						2.9E-03	3.0E-03		3.2E-03	3.3E-03	3.1E-03
ARSENIC			1.5E-03	1.2E-02	5.7E-03	6.4E-03	1.6E-03	6.5E-04	6.5E-04	5.7E-03	2.7E-03
CADMIUM			1.7E-03	1.9E-03	1.9E-03	1.6E-03	1.6E-03	1.7E-03	1.7E-03	1.8E-03	1.7E-03
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY			2.6E-04	2.8E-04	2.8E-04	2.4E-04	2.6E-04	2.6E-04	2.6E-04	2.8E-04	2.6E-04
MOLYBDENUM											
NICKEL			1.5E-04	1.9E-03	2.4E-03	1.6E-03	1.4E-04	7.0E-04	3.7E-04	1.1E-03	4.6E-04
VANADIUM											
HEXAVALENT CHROMIUM			2.9E-04	1.3E-03	1.9E-04	1.4E-03	3.3E-04	7.2E-05	7.2E-05	7.2E-04	9.7E-04
TOTAL HAZARD INDEX	6.9E-05	7.9E-05	1.4E-02	2.8E-02	2.2E-02	2.4E-02	1.7E-02	1.3E-02	1.6E-02	2.4E-02	2.0E-02
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE			4.8E-05	4.8E-05	4.8E-05	4.8E-05	4.8E-05	4.8E-05	4.8E-05	4.8E-05	4.8E-05
1,2,4-TRICHLOROBENZENE			3.9E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05	3.9E-05
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE			8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07	8.4E-07
BAP EQUIVALENT-HALFND											
NAPHTHALENE	3.2E-04	3.7E-04	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
AROCLOR-1254			1.2E-01	1.4E-01	1.5E-01	1.3E-01	1.3E-01	1.2E-01	1.3E-01	1.4E-01	1.4E-01
AROCLOR-1260											
ANTIMONY						4.7E-02	4.9E-02		5.3E-02	5.5E-02	5.1E-02
ARSENIC			3.1E-02	2.4E-01	1.2E-01	1.3E-01	3.3E-02	1.3E-02	1.3E-02	1.2E-01	5.5E-02
CADMIUM			3.8E-02	4.2E-02	4.1E-02	3.4E-02	3.5E-02	3.8E-02	3.8E-02	3.9E-02	3.6E-02
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY			3.3E-03	3.6E-03	3.6E-03	3.0E-03	3.3E-03	3.3E-03	3.3E-03	3.6E-03	3.3E-03
MOLYBDENUM											
NICKEL			1.5E-03	2.0E-02	2.5E-02	1.6E-02	1.4E-03	7.2E-03	3.8E-03	1.1E-02	4.7E-03
VANADIUM											
HEXAVALENT CHROMIUM			2.6E-03	1.2E-02	1.7E-03	1.2E-02	2.9E-03	6.3E-04	6.3E-04	6.3E-03	8.6E-03
TOTAL HAZARD INDEX	3.2E-04	3.7E-04	2.0E-01	4.6E-01	3.3E-01	3.7E-01	2.6E-01	1.9E-01	2.4E-01	3.7E-01	3.0E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-067	SB-244	SB-245	SB-246	SB-247	SB-248	SB-249	SB-775	SB-775	SB-775	SB-776	SB-776	SB-776
SAMPLE ID	SB-67-25	SB-244-15	SB-245-15	SB-246-15	SB-247-15	SB-248-15	SB-249-15	D-SB-775-11	D-SB-775-13	D-SB-775-15	D-SB-776-11	D-SB-776-13	D-SB-776-15
SAMPLE DATE	20040927	20050607	20050607	20050607	20050607	20050607	20050607	20100831	20100831	20100831	20100831	20100831	20100831
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	25	15	15	15	15	15	15	11	13	15	11	13	15
BOTTOM DEPTH	25	15	15	15	15	15	15	11	13	15	11	13	15
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE	1.8E-06												
1,2,4-TRICHLOROBENZENE	8.5E-06												
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	8.9E-08												
BAP EQUIVALENT-HALFND													
NAPHTHALENE	3.8E-06							2.4E-06	2.4E-06	2.6E-06	2.6E-06	2.7E-06	2.4E-06
AROCLOR-1254	1.0E-02	1.3E-03	1.4E-03	1.4E-03	1.3E-03	1.3E-03	1.3E-03						
AROCLOR-1260													
ANTIMONY	3.0E-03					9.2E-04							
ARSENIC	5.9E-04					2.3E-03							
CADMIUM	1.6E-03					1.1E-04							
COBALT						1.6E-02							
IRON													
LEAD													
MANGANESE													
MERCURY	2.4E-04					4.7E-06							
MOLYBDENUM						3.3E-05							
NICKEL	8.1E-04					3.8E-03							
VANADIUM						6.8E-03							
HEXAVALENT CHROMIUM	8.2E-04					1.4E-03							
TOTAL HAZARD INDEX	1.8E-02	1.3E-03	1.4E-03	1.4E-03	1.3E-03	3.3E-02	1.3E-03	2.4E-06	2.4E-06	2.6E-06	2.6E-06	2.7E-06	2.4E-06
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE	4.8E-05												
1,2,4-TRICHLOROBENZENE	3.9E-05												
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	8.4E-07												
BAP EQUIVALENT-HALFND													
NAPHTHALENE	1.8E-05							1.1E-05	1.1E-05	1.2E-05	1.2E-05	1.3E-05	1.1E-05
AROCLOR-1254	1.3E-01	1.7E-02	1.7E-02	1.8E-02	1.7E-02	1.7E-02	1.6E-02						
AROCLOR-1260													
ANTIMONY	4.9E-02					1.5E-02							
ARSENIC	1.2E-02					4.6E-02							
CADMIUM	3.5E-02					2.4E-03							
COBALT						3.7E-01							
IRON													
LEAD													
MANGANESE													
MERCURY	3.0E-03					6.0E-05							
MOLYBDENUM						7.9E-04							
NICKEL	8.3E-03					3.9E-02							
VANADIUM						1.6E-01							
HEXAVALENT CHROMIUM	7.2E-03					1.3E-02							
TOTAL HAZARD INDEX	2.5E-01	1.7E-02	1.7E-02	1.8E-02	1.7E-02	6.7E-01	1.6E-02	1.1E-05	1.1E-05	1.2E-05	1.2E-05	1.3E-05	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-777	SB-777	SB-777	SB-778	SB-778	SB-778	SB-779	SB-779	SB-779	SB-780	SB-780	SB-780	SB-781
SAMPLE ID	D-SB-777-11	D-SB-777-13	D-SB-777-15	D-SB-778-11	D-SB-778-13	D-SB-778-15	D-SB-779-11	D-SB-779-13	D-SB-779-15	D-SB-780-11	D-SB-780-13	D-SB-780-15	D-SB-781-11
SAMPLE DATE	20100910	20100910	20100910	20100831	20100831	20100831	20100901	20100901	20100901	20100901	20100901	20100901	20100901
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	2.4E-06	4.8E-05	2.4E-06	2.5E-06	9.8E-05	2.5E-06	2.6E-06	2.4E-06	2.4E-06	2.4E-06	2.7E-06	2.4E-06	2.3E-06
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	2.4E-06	4.8E-05	2.4E-06	2.5E-06	9.8E-05	2.5E-06	2.6E-06	2.4E-06	2.4E-06	2.4E-06	2.7E-06	2.4E-06	2.3E-06
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	1.1E-05	2.2E-04	1.1E-05	1.2E-05	4.6E-04	1.2E-05	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.3E-05	1.1E-05	1.1E-05
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	1.1E-05	2.2E-04	1.1E-05	1.2E-05	4.6E-04	1.2E-05	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.3E-05	1.1E-05	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-781	SB-781	SB-782	SB-782	SB-782	SB-783	SB-783	SB-783	SB-784	SB-784	SB-784	SB-785	SB-785
SAMPLE ID	D-SB-781-13	D-SB-781-15	D-SB-782-11	D-SB-782-13	D-SB-782-15	D-SB-783-11	D-SB-783-13	D-SB-783-15	D-SB-784-11	D-SB-784-13	D-SB-784-15	D-SB-785-11	D-SB-785-13
SAMPLE DATE	20100901	20100901	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100902	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE			9.8E-08	1.1E-07	9.5E-08	9.8E-08	1.1E-07	1.3E-07	1.1E-07	9.8E-08	1.1E-07	1.0E-07	1.1E-07
1,2,4-TRICHLOROBENZENE			3.3E-07	3.7E-07	3.1E-07	3.3E-07	3.5E-07	4.4E-07	3.5E-07	3.3E-07	3.5E-07	3.4E-07	3.5E-07
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE			8.2E-09	9.3E-09	7.9E-09	8.2E-09	9.0E-09	1.1E-08	8.9E-09	8.3E-09	8.9E-09	8.7E-09	9.0E-09
BAP EQUIVALENT-HALFND													
NAPHTHALENE	2.6E-06	2.4E-06	1.0E-07	1.1E-07	9.4E-08	1.0E-07	1.1E-07	1.4E-07	1.1E-07	1.0E-07	1.1E-07	5.0E-07	5.1E-07
AROCLOR-1254			7.0E-04	7.3E-04	7.0E-04	7.0E-04	7.3E-04	7.3E-04	7.0E-04	7.0E-04	7.3E-04	7.0E-04	7.3E-04
AROCLOR-1260													
ANTIMONY			2.5E-04	2.2E-04	8.3E-05	1.3E-04	9.7E-05	8.3E-04	1.4E-04	2.1E-04	9.0E-04	6.4E-04	2.8E-04
ARSENIC			8.9E-03	1.0E-02	5.9E-03	4.8E-03	5.5E-03	9.8E-03	3.0E-03	5.7E-03	1.6E-02	7.3E-03	7.1E-03
CADMIUM			9.6E-05	6.7E-05	1.2E-04	6.8E-06	7.5E-06	1.2E-05	7.5E-06	8.7E-06	1.4E-05	5.7E-06	1.5E-04
COBALT			2.0E-02	1.1E-02	1.5E-02	8.0E-03	5.6E-03	1.5E-02	1.3E-02	1.7E-02	2.7E-02	1.5E-02	2.5E-02
IRON			2.5E-02	1.5E-02	4.0E-03	6.8E-03	5.2E-03	2.6E-02	1.8E-02	2.5E-02	4.8E-02	3.1E-02	2.7E-02
LEAD													
MANGANESE			3.0E-03	2.8E-03	8.6E-04	2.8E-03	1.3E-03	5.7E-03	4.7E-03	4.9E-03	1.3E-02	5.9E-03	8.6E-03
MERCURY			4.0E-05	4.5E-05	4.0E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.0E-05	4.2E-05	4.2E-05	2.8E-04
MOLYBDENUM			4.8E-05	7.4E-05	4.0E-06	1.3E-05	1.9E-05	5.6E-05	1.7E-05	4.9E-05	9.1E-05	3.5E-05	6.6E-05
NICKEL			3.3E-03	1.7E-03	1.9E-03	9.6E-04	6.7E-04	2.6E-03	1.9E-03	2.7E-03	4.0E-03	2.4E-03	3.5E-03
VANADIUM			4.5E-03	3.3E-03	7.3E-04	1.5E-03	2.0E-03	4.0E-03	1.7E-03	4.7E-03	5.6E-03	3.4E-03	3.8E-03
HEXAVALENT CHROMIUM			1.0E-03	9.1E-04	6.9E-04	5.2E-04	5.8E-04	1.1E-03	7.4E-04	1.3E-03	1.7E-03	1.5E-03	1.2E-03
TOTAL HAZARD INDEX	2.6E-06	2.4E-06	6.7E-02	4.6E-02	3.0E-02	2.6E-02	2.2E-02	6.6E-02	4.5E-02	6.2E-02	1.2E-01	6.7E-02	7.8E-02
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE			2.6E-06	2.9E-06	2.5E-06	2.6E-06	2.8E-06	3.4E-06	2.8E-06	2.6E-06	2.8E-06	2.7E-06	2.8E-06
1,2,4-TRICHLOROBENZENE			1.5E-06	1.7E-06	1.4E-06	1.5E-06	1.6E-06	2.0E-06	1.6E-06	1.5E-06	1.6E-06	1.6E-06	1.6E-06
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE			7.7E-08	8.9E-08	7.5E-08	7.7E-08	8.6E-08	1.1E-07	8.4E-08	7.9E-08	8.4E-08	8.3E-08	8.6E-08
BAP EQUIVALENT-HALFND													
NAPHTHALENE	1.2E-05	1.1E-05	4.7E-07	5.3E-07	4.4E-07	4.7E-07	5.3E-07	6.5E-07	5.0E-07	4.7E-07	5.0E-07	2.3E-06	2.4E-06
AROCLOR-1254			8.9E-03	9.3E-03	8.9E-03	8.9E-03	9.3E-03	9.3E-03	8.9E-03	8.9E-03	9.3E-03	8.9E-03	9.3E-03
AROCLOR-1260													
ANTIMONY			4.2E-03	3.6E-03	1.4E-03	2.1E-03	1.6E-03	1.4E-02	2.3E-03	3.4E-03	1.5E-02	1.1E-02	4.6E-03
ARSENIC			1.8E-01	2.1E-01	1.2E-01	9.7E-02	1.1E-01	2.0E-01	6.0E-02	1.2E-01	3.3E-01	1.5E-01	1.4E-01
CADMIUM			2.1E-03	1.5E-03	2.6E-03	1.5E-04	1.6E-04	2.6E-04	1.6E-04	1.9E-04	3.1E-04	1.2E-04	3.2E-03
COBALT			4.8E-01	2.6E-01	3.6E-01	1.9E-01	1.3E-01	3.6E-01	3.2E-01	4.0E-01	6.3E-01	3.5E-01	6.0E-01
IRON			5.8E-01	3.6E-01	9.6E-02	1.6E-01	1.2E-01	6.2E-01	4.4E-01	5.9E-01	1.1E+00	7.3E-01	6.4E-01
LEAD													
MANGANESE			3.1E-02	2.9E-02	8.8E-03	2.8E-02	1.4E-02	5.9E-02	4.8E-02	5.1E-02	1.3E-01	6.1E-02	8.8E-02
MERCURY			5.1E-04	5.7E-04	5.1E-04	5.4E-04	5.4E-04	5.4E-04	5.4E-04	5.1E-04	5.4E-04	5.4E-04	3.5E-03
MOLYBDENUM			1.1E-03	1.8E-03	9.6E-05	3.2E-04	4.5E-04	1.3E-03	3.9E-04	1.2E-03	2.2E-03	8.4E-04	1.6E-03
NICKEL			3.4E-02	1.7E-02	1.9E-02	9.9E-03	6.9E-03	2.7E-02	2.0E-02	2.8E-02	4.1E-02	2.4E-02	3.6E-02
VANADIUM			1.1E-01	7.8E-02	1.7E-02	3.6E-02	4.7E-02	9.5E-02	3.9E-02	1.1E-01	1.3E-01	8.1E-02	9.0E-02
HEXAVALENT CHROMIUM			9.0E-03	8.0E-03	6.1E-03	4.6E-03	5.2E-03	9.8E-03	6.5E-03	1.2E-02	1.5E-02	1.3E-02	1.0E-02
TOTAL HAZARD INDEX	1.2E-05	1.1E-05	1.4E+00	9.8E-01	6.4E-01	5.4E-01	4.5E-01	1.4E+00	9.4E-01	1.3E+00	2.4E+00	1.4E+00	1.6E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-785	SB-786	SB-786	SB-786	SB-787	SB-787	SB-787	SB-788	SB-788	SB-788	SB-789	SB-789	SB-789
SAMPLE ID	D-SB-785-15	D-SB-786-11	D-SB-786-13	D-SB-786-15	D-SB-787-11	D-SB-787-13	D-SB-787-15	D-SB-788-11	D-SB-788-13	D-SB-788-15	D-SB-789-11	D-SB-789-13	D-SB-789-15
SAMPLE DATE	20100908	20100903	20100903	20100908	20100908	20100908	20100908	20100908	20100908	20100908	20100908	20100908	20100908
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11	13	15
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE	1.0E-07	2.1E-06	2.7E-06	9.2E-08	9.5E-08	9.8E-08	9.8E-08	1.3E-07	1.1E-07	9.2E-08	9.5E-08	9.8E-08	1.0E-07
1,2,4-TRICHLOROBENZENE	3.4E-07	7.2E-06	9.2E-06	3.1E-07	3.1E-07	3.3E-07	3.3E-07	4.5E-07	3.7E-07	3.1E-07	3.1E-07	3.1E-07	3.4E-07
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	8.7E-09	8.3E-08	1.1E-07	7.9E-09	7.9E-09	8.2E-09	8.3E-09	1.1E-08	9.6E-09	7.9E-09	8.0E-09	8.2E-09	8.7E-09
BAP EQUIVALENT-HALFND													
NAPHTHALENE	5.1E-07	3.3E-04	6.7E-04	5.9E-05	4.8E-07	4.8E-07	4.8E-07	6.9E-07	5.5E-07	4.6E-07	1.0E-07	1.0E-07	1.1E-07
AROCLOR-1254	7.0E-04	6.6E-04	7.3E-04	6.6E-04	6.6E-04	7.0E-04	6.6E-04	7.0E-04	7.3E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04
AROCLOR-1260													
ANTIMONY	6.4E-04	3.1E-05	1.7E-04	1.5E-04	7.6E-04	5.1E-04	3.1E-05	9.9E-04	7.1E-04	9.0E-04	3.2E-04	1.1E-03	7.4E-04
ARSENIC	8.7E-03	5.7E-03	3.0E-03	2.0E-03	1.1E-02	1.2E-02	3.9E-03	1.3E-02	1.7E-02	1.2E-02	6.4E-03	1.6E-02	1.0E-02
CADMIUM	8.1E-06	2.9E-05	5.1E-05	4.2E-05	9.7E-05	1.1E-04	9.6E-05	4.2E-05	1.3E-05	1.9E-05	8.1E-06	5.1E-05	4.2E-05
COBALT	1.6E-02	2.8E-03	1.6E-02	3.5E-03	1.4E-02	2.2E-02	8.9E-03	2.3E-02	9.5E-03	2.1E-02	1.1E-02	4.0E-02	3.4E-02
IRON	3.0E-02	1.4E-03	1.1E-02	3.7E-04	2.7E-02	1.7E-02	8.1E-04	3.9E-02	3.3E-02	3.5E-02	1.5E-02	6.7E-02	3.5E-02
LEAD													
MANGANESE	4.8E-03	2.8E-04	5.0E-04	1.4E-04	1.8E-03	1.4E-03	6.1E-04	9.3E-03	3.5E-03	8.3E-03	4.4E-03	3.0E-02	9.4E-03
MERCURY	4.2E-05	4.0E-05	4.2E-05	4.0E-05	4.0E-05	4.2E-05	4.0E-05	4.2E-05	4.5E-05	4.0E-05	4.2E-05	4.2E-05	4.0E-05
MOLYBDENUM	6.1E-05	4.0E-06	1.4E-05	1.1E-05	8.6E-05	3.4E-05	2.0E-05	8.5E-05	8.5E-05	7.8E-05	2.4E-05	1.1E-04	7.4E-05
NICKEL	2.9E-03	2.6E-04	1.5E-03	3.4E-04	1.7E-03	2.6E-03	9.6E-04	4.0E-03	1.8E-03	3.7E-03	1.7E-03	5.7E-03	4.4E-03
VANADIUM	5.3E-03	5.1E-04	1.8E-03	1.8E-04	7.4E-03	6.1E-03	6.6E-04	4.4E-03	7.2E-03	4.1E-03	2.7E-03	7.3E-03	6.3E-03
HEXAVALENT CHROMIUM	1.5E-03	1.9E-04	9.7E-04	1.1E-04	1.5E-03	1.4E-03	2.4E-04	1.7E-03	1.5E-03	1.6E-03	7.0E-04	1.7E-03	1.4E-03
TOTAL HAZARD INDEX	7.1E-02	1.2E-02	3.6E-02	7.6E-03	6.6E-02	6.4E-02	1.7E-02	9.6E-02	7.6E-02	8.7E-02	4.2E-02	1.7E-01	1.0E-01
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE	2.7E-06	5.6E-05	7.1E-05	2.4E-06	2.5E-06	2.6E-06	2.6E-06	3.5E-06	3.0E-06	2.4E-06	2.5E-06	2.6E-06	2.7E-06
1,2,4-TRICHLOROBENZENE	1.6E-06	3.3E-05	4.2E-05	1.4E-06	1.4E-06	1.5E-06	1.5E-06	2.1E-06	1.7E-06	1.4E-06	1.4E-06	1.4E-06	1.6E-06
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	8.3E-08	7.9E-07	1.0E-06	7.5E-08	7.5E-08	7.7E-08	7.9E-08	1.1E-07	9.1E-08	7.5E-08	7.6E-08	7.7E-08	8.3E-08
BAP EQUIVALENT-HALFND													
NAPHTHALENE	2.4E-06	1.5E-03	3.1E-03	2.8E-04	2.2E-06	2.3E-06	2.2E-06	3.2E-06	2.6E-06	2.1E-06	4.7E-07	4.7E-07	5.0E-07
AROCLOR-1254	8.9E-03	8.5E-03	9.3E-03	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.9E-03	9.3E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03
AROCLOR-1260													
ANTIMONY	1.1E-02	5.1E-04	2.8E-03	2.4E-03	1.3E-02	8.3E-03	5.1E-04	1.6E-02	1.2E-02	1.5E-02	5.3E-03	1.8E-02	1.2E-02
ARSENIC	1.8E-01	1.2E-01	6.0E-02	4.1E-02	2.3E-01	2.5E-01	7.9E-02	2.6E-01	3.5E-01	2.4E-01	1.3E-01	3.1E-01	2.1E-01
CADMIUM	1.8E-04	6.2E-04	1.1E-03	9.2E-04	2.1E-03	2.5E-03	2.1E-03	9.2E-04	2.8E-04	4.2E-04	1.8E-04	1.1E-03	9.2E-04
COBALT	3.8E-01	6.6E-02	3.7E-01	8.3E-02	3.3E-01	5.1E-01	2.1E-01	5.4E-01	2.2E-01	4.9E-01	2.5E-01	9.3E-01	7.9E-01
IRON	7.1E-01	3.4E-02	2.5E-01	8.7E-03	6.3E-01	4.1E-01	1.9E-02	9.4E-01	7.9E-01	8.2E-01	3.5E-01	1.6E+00	8.2E-01
LEAD													
MANGANESE	4.9E-02	2.8E-03	5.1E-03	1.5E-03	1.9E-02	1.4E-02	6.3E-03	9.5E-02	3.5E-02	8.5E-02	4.5E-02	3.1E-01	9.7E-02
MERCURY	5.4E-04	5.1E-04	5.4E-04	5.1E-04	5.1E-04	5.4E-04	5.1E-04	5.4E-04	5.7E-04	5.1E-04	5.4E-04	5.4E-04	5.1E-04
MOLYBDENUM	1.4E-03	9.5E-05	3.4E-04	2.5E-04	2.1E-03	8.1E-04	4.7E-04	2.0E-03	2.0E-03	1.8E-03	5.8E-04	2.6E-03	1.8E-03
NICKEL	3.0E-02	2.7E-03	1.5E-02	3.5E-03	1.8E-02	2.7E-02	9.9E-03	4.1E-02	1.8E-02	3.8E-02	1.7E-02	5.9E-02	4.5E-02
VANADIUM	1.3E-01	1.2E-02	4.3E-02	4.2E-03	1.8E-01	1.4E-01	1.6E-02	1.1E-01	1.7E-01	9.6E-02	6.5E-02	1.7E-01	1.5E-01
HEXAVALENT CHROMIUM	1.3E-02	1.7E-03	8.5E-03	9.5E-04	1.3E-02	1.3E-02	2.1E-03	1.5E-02	1.4E-02	1.4E-02	6.2E-03	1.5E-02	1.3E-02
TOTAL HAZARD INDEX	1.5E+00	2.5E-01	7.8E-01	1.6E-01	1.4E+00	1.4E+00	3.5E-01	2.0E+00	1.6E+00	1.8E+00	8.7E-01	3.4E+00	2.1E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-790	SB-790	SB-790	SB-791	SB-791	SB-791	SB-792	SB-792	SB-792	SB-793	SB-793	SB-793	SB-794
SAMPLE ID	D-SB-790-11	D-SB-790-13	D-SB-790-15	D-SB-791-11	D-SB-791-13	D-SB-791-15	D-SB-792-11	D-SB-792-13	D-SB-792-15	D-SB-793-11	D-SB-793-13	D-SB-793-15	D-SB-794-11
SAMPLE DATE	20100908	20100908	20100908	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909	20100909
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE	1.1E-07	1.0E-07	9.5E-08	1.0E-07	1.2E-07	1.1E-07	1.0E-07	1.1E-07	1.1E-07	1.1E-07	1.0E-07	1.0E-07	1.0E-07
1,2,4-TRICHLOROBENZENE	3.5E-07	3.4E-07	3.1E-07	3.3E-07	4.0E-07	3.5E-07	3.3E-07	3.5E-07	3.5E-07	3.5E-07	3.4E-07	3.4E-07	3.3E-07
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	9.0E-09	8.7E-09	8.2E-09	8.4E-09	1.0E-08	8.9E-09	8.4E-09	8.9E-09	9.2E-09	9.0E-09	8.9E-09	8.7E-09	8.4E-09
BAP EQUIVALENT-HALFND													
NAPHTHALENE	1.1E-07	1.1E-07	1.0E-07	5.0E-07	6.3E-07	5.2E-07	5.0E-07	5.0E-07	5.5E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07
AROCLOR-1254	7.3E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.3E-04	7.0E-04	7.3E-04	7.0E-04	7.0E-04	7.0E-04	7.3E-04	7.0E-04
AROCLOR-1260													
ANTIMONY	1.2E-04	9.4E-04	5.1E-04	1.3E-04	2.1E-04	1.6E-03	1.6E-04	1.9E-03	4.9E-05	3.2E-04	2.0E-04	1.4E-04	8.5E-05
ARSENIC	4.8E-03	1.1E-02	7.5E-03	8.9E-03	6.4E-03	1.9E-02	7.5E-03	1.1E-02	1.5E-03	1.0E-02	6.2E-03	4.8E-03	3.4E-03
CADMIUM	6.0E-06	1.6E-05	1.7E-05	9.3E-06	1.1E-05	1.6E-05	1.2E-05	1.7E-05	1.2E-05	1.4E-05	1.5E-05	1.1E-05	8.7E-06
COBALT	4.8E-03	1.6E-02	1.4E-02	6.9E-03	1.1E-02	2.5E-02	1.6E-02	2.5E-02	1.0E-02	2.8E-02	2.0E-02	2.2E-02	1.1E-02
IRON	4.9E-03	2.9E-02	2.3E-02	1.4E-02	2.1E-02	6.9E-02	2.7E-02	1.1E-01	5.4E-03	2.7E-02	1.8E-02	1.2E-02	7.9E-03
LEAD													
MANGANESE	4.6E-04	9.5E-03	4.2E-03	6.6E-04	1.0E-03	2.1E-03	1.9E-03	2.8E-03	5.2E-04	1.8E-03	9.1E-04	6.3E-04	1.8E-03
MERCURY	4.2E-05	4.2E-05	4.0E-05	4.0E-05	4.2E-05	4.5E-05	4.0E-05	4.5E-05	4.0E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05
MOLYBDENUM	1.2E-05	6.6E-05	5.1E-05	3.1E-05	6.8E-05	1.7E-04	6.0E-05	1.7E-04	6.1E-06	7.2E-05	4.9E-05	1.3E-05	5.0E-06
NICKEL	5.7E-04	2.9E-03	2.6E-03	9.9E-04	1.9E-03	3.0E-03	1.7E-03	4.0E-03	9.0E-04	3.0E-03	2.0E-03	2.5E-03	1.3E-03
VANADIUM	1.9E-03	3.9E-03	4.3E-03	2.6E-03	4.9E-03	1.1E-02	6.2E-03	1.2E-02	1.7E-03	6.1E-03	3.9E-03	3.1E-03	1.7E-03
HEXAVALENT CHROMIUM	4.8E-04	1.1E-03	1.2E-03	8.1E-04	1.1E-03	2.9E-03	1.3E-03	2.8E-03	6.2E-04	1.4E-03	9.2E-04	9.1E-04	4.9E-04
TOTAL HAZARD INDEX	1.9E-02	7.6E-02	5.7E-02	3.5E-02	4.8E-02	1.3E-01	6.3E-02	1.7E-01	2.1E-02	7.8E-02	5.3E-02	4.7E-02	2.9E-02
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE	2.8E-06	2.7E-06	2.5E-06	2.6E-06	3.2E-06	2.8E-06	2.6E-06	2.8E-06	2.9E-06	2.8E-06	2.7E-06	2.7E-06	2.6E-06
1,2,4-TRICHLOROBENZENE	1.6E-06	1.6E-06	1.4E-06	1.5E-06	1.8E-06	1.6E-06	1.5E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.6E-06	1.5E-06
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	8.6E-08	8.3E-08	7.7E-08	8.0E-08	9.7E-08	8.4E-08	8.0E-08	8.4E-08	8.7E-08	8.6E-08	8.4E-08	8.3E-08	8.0E-08
BAP EQUIVALENT-HALFND													
NAPHTHALENE	5.3E-07	5.0E-07	4.7E-07	2.3E-06	2.9E-06	2.4E-06	2.3E-06	2.3E-06	2.6E-06	5.3E-07	5.0E-07	5.0E-07	5.0E-07
AROCLOR-1254	9.3E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	9.3E-03	8.9E-03	9.3E-03	8.9E-03	8.9E-03	8.9E-03	9.3E-03	8.9E-03
AROCLOR-1260													
ANTIMONY	1.9E-03	1.6E-02	8.3E-03	2.1E-03	3.4E-03	2.6E-02	2.7E-03	3.1E-02	8.2E-04	5.3E-03	3.2E-03	2.3E-03	1.4E-03
ARSENIC	9.7E-02	2.3E-01	1.5E-01	1.8E-01	1.3E-01	3.8E-01	1.5E-01	2.3E-01	3.0E-02	2.1E-01	1.2E-01	9.7E-02	6.9E-02
CADMIUM	1.3E-04	3.4E-04	3.6E-04	2.0E-04	2.3E-04	3.4E-04	2.6E-04	3.6E-04	2.7E-04	3.0E-04	3.2E-04	2.3E-04	1.9E-04
COBALT	1.1E-01	3.9E-01	3.2E-01	1.6E-01	2.6E-01	5.9E-01	3.8E-01	6.0E-01	2.4E-01	6.6E-01	4.8E-01	5.2E-01	2.6E-01
IRON	1.2E-01	6.9E-01	5.4E-01	3.2E-01	5.0E-01	1.6E+00	6.4E-01	2.5E+00	1.3E-01	6.3E-01	4.2E-01	2.9E-01	1.9E-01
LEAD													
MANGANESE	4.7E-03	9.8E-02	4.3E-02	6.7E-03	1.1E-02	2.2E-02	1.9E-02	2.8E-02	5.3E-03	1.9E-02	9.3E-03	6.5E-03	1.8E-02
MERCURY	5.4E-04	5.4E-04	5.1E-04	5.1E-04	5.4E-04	5.7E-04	5.1E-04	5.7E-04	5.1E-04	5.4E-04	5.4E-04	5.4E-04	5.4E-04
MOLYBDENUM	2.9E-04	1.6E-03	1.2E-03	7.4E-04	1.6E-03	3.9E-03	1.4E-03	3.9E-03	1.4E-04	1.7E-03	1.2E-03	3.2E-04	1.2E-04
NICKEL	5.9E-03	3.0E-02	2.7E-02	1.0E-02	1.9E-02	3.0E-02	1.8E-02	4.1E-02	9.3E-03	3.1E-02	2.0E-02	2.5E-02	1.3E-02
VANADIUM	4.5E-02	9.2E-02	1.0E-01	6.2E-02	1.2E-01	2.7E-01	1.5E-01	2.9E-01	3.9E-02	1.4E-01	9.2E-02	7.4E-02	4.1E-02
HEXAVALENT CHROMIUM	4.2E-03	1.0E-02	1.0E-02	7.2E-03	9.3E-03	2.5E-02	1.2E-02	2.5E-02	5.5E-03	1.2E-02	8.1E-03	8.0E-03	4.3E-03
TOTAL HAZARD INDEX	4.0E-01	1.6E+00	1.2E+00	7.6E-01	1.1E+00	3.0E+00	1.4E+00	3.8E+00	4.6E-01	1.7E+00	1.2E+00	1.0E+00	6.1E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

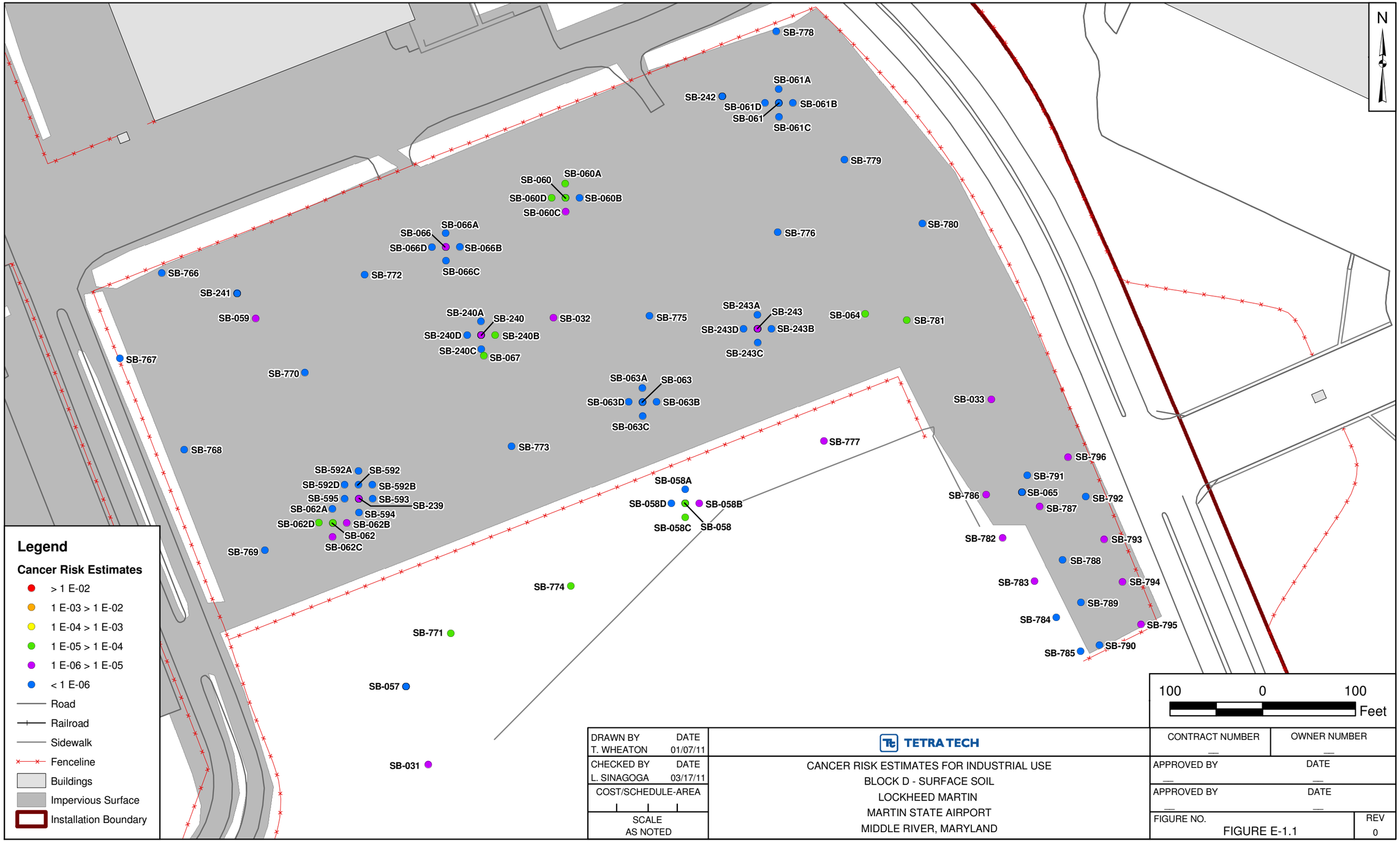
TABLE E-1.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK D
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-794	SB-794	SB-795	SB-795	SB-795	SB-796	SB-796	SB-796
SAMPLE ID	D-SB-794-13	D-SB-794-15	D-SB-795-11	D-SB-795-13	D-SB-795-15	D-SB-796-11	D-SB-796-13	D-SB-796-15
SAMPLE DATE	20100909	20100909	20100909	20100909	20100909	20100910	20100910	20100910
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15
INDUSTRIAL								
1,2,3-TRICHLOROBENZENE	1.0E-07	1.0E-07	1.2E-07	1.2E-07	1.2E-07	9.5E-08	1.0E-07	9.8E-08
1,2,4-TRICHLOROBENZENE	3.4E-07	3.4E-07	3.8E-07	3.8E-07	4.0E-07	3.1E-07	3.4E-07	3.3E-07
1,3-DICHLOROBENZENE								
1,4-DICHLOROBENZENE	8.6E-09	8.6E-09	9.9E-09	9.8E-09	1.0E-08	7.9E-09	8.6E-09	8.2E-09
BAP EQUIVALENT-HALFND								
NAPHTHALENE	4.7E-07	4.8E-07	5.5E-07	5.4E-07	5.8E-07	4.3E-07	4.6E-07	4.4E-07
AROCLOR-1254	7.3E-04	7.0E-04	7.0E-04	7.3E-04	7.0E-04	7.0E-04	7.3E-04	6.6E-04
AROCLOR-1260								
ANTIMONY	8.3E-04	2.0E-04	9.8E-05	9.7E-04	2.8E-04	1.5E-04	3.3E-05	4.6E-04
ARSENIC	1.6E-02	5.2E-03	5.2E-03	9.6E-03	7.3E-03	3.0E-03	9.8E-04	1.7E-02
CADMIUM	2.1E-05	1.2E-05	5.8E-06	1.2E-05	9.3E-06	1.4E-05	1.6E-05	1.2E-05
COBALT	2.7E-02	2.0E-02	3.2E-03	2.2E-02	1.9E-02	7.2E-03	4.5E-03	6.7E-03
IRON	3.3E-02	1.9E-02	7.3E-03	3.1E-02	2.3E-02	8.8E-03	8.3E-04	1.3E-03
LEAD								
MANGANESE	4.5E-03	1.8E-03	1.0E-03	4.6E-03	3.7E-03	4.5E-04	2.6E-04	3.2E-04
MERCURY	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.0E-05	4.2E-05	4.0E-05
MOLYBDENUM	7.0E-05	3.5E-05	4.8E-06	6.4E-05	4.7E-05	1.8E-05	4.3E-06	8.6E-06
NICKEL	3.7E-03	2.5E-03	4.1E-04	3.2E-03	2.6E-03	9.0E-04	4.3E-04	6.0E-04
VANADIUM	5.1E-03	3.4E-03	1.6E-03	4.8E-03	4.0E-03	2.9E-03	4.7E-04	2.9E-04
HEXAVALENT CHROMIUM	1.4E-03	1.2E-03	6.4E-04	1.7E-03	1.3E-03	8.9E-04	1.9E-04	1.8E-04
TOTAL HAZARD INDEX	9.3E-02	5.3E-02	2.0E-02	7.9E-02	6.1E-02	2.5E-02	8.4E-03	2.7E-02
RESIDENTIAL								
1,2,3-TRICHLOROBENZENE	2.6E-06	2.6E-06	3.1E-06	3.0E-06	3.1E-06	2.5E-06	2.6E-06	2.6E-06
1,2,4-TRICHLOROBENZENE	1.6E-06	1.6E-06	1.8E-06	1.8E-06	1.8E-06	1.4E-06	1.6E-06	1.5E-06
1,3-DICHLOROBENZENE								
1,4-DICHLOROBENZENE	8.2E-08	8.2E-08	9.4E-08	9.3E-08	9.6E-08	7.5E-08	8.2E-08	7.7E-08
BAP EQUIVALENT-HALFND								
NAPHTHALENE	2.2E-06	2.3E-06	2.6E-06	2.5E-06	2.7E-06	2.0E-06	2.2E-06	2.1E-06
AROCLOR-1254	9.3E-03	8.9E-03	8.9E-03	9.3E-03	8.9E-03	8.9E-03	9.3E-03	8.5E-03
AROCLOR-1260								
ANTIMONY	1.4E-02	3.2E-03	1.6E-03	1.6E-02	4.6E-03	2.5E-03	5.5E-04	7.6E-03
ARSENIC	3.2E-01	1.1E-01	1.1E-01	1.9E-01	1.5E-01	6.0E-02	2.0E-02	3.4E-01
CADMIUM	4.5E-04	2.7E-04	1.3E-04	2.7E-04	2.0E-04	3.1E-04	3.4E-04	2.7E-04
COBALT	6.4E-01	4.6E-01	7.5E-02	5.2E-01	4.4E-01	1.7E-01	1.1E-01	1.6E-01
IRON	7.8E-01	4.4E-01	1.7E-01	7.4E-01	5.4E-01	2.1E-01	2.0E-02	3.0E-02
LEAD								
MANGANESE	4.6E-02	1.9E-02	1.0E-02	4.7E-02	3.8E-02	4.6E-03	2.6E-03	3.3E-03
MERCURY	5.4E-04	5.4E-04	5.4E-04	5.4E-04	5.4E-04	5.1E-04	5.4E-04	5.1E-04
MOLYBDENUM	1.7E-03	8.4E-04	1.1E-04	1.5E-03	1.1E-03	4.2E-04	1.0E-04	2.1E-04
NICKEL	3.8E-02	2.6E-02	4.3E-03	3.3E-02	2.7E-02	9.3E-03	4.5E-03	6.2E-03
VANADIUM	1.2E-01	8.2E-02	3.8E-02	1.1E-01	9.6E-02	7.0E-02	1.1E-02	6.8E-03
HEXAVALENT CHROMIUM	1.2E-02	1.0E-02	5.6E-03	1.5E-02	1.2E-02	7.8E-03	1.7E-03	1.6E-03
TOTAL HAZARD INDEX	2.0E+00	1.2E+00	4.2E-01	1.7E+00	1.3E+00	5.4E-01	1.8E-01	5.6E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKD_SURFACE_INDUSTRIAL_CR.MXD 03/17/11 TW



DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/17/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK D - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.1 / REV 0

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N

SB-778
SB-061A
SB-242
SB-061D
SB-061B
SB-061
SB-061C
SB-779
SB-060
SB-060A
SB-060D
SB-060B
SB-060C
SB-780
SB-066
SB-066A
SB-066D
SB-066B
SB-066C
SB-776
SB-766
SB-772
SB-241
SB-059
SB-240A
SB-240
SB-032
SB-775
SB-243A
SB-243
SB-064
SB-781
SB-240D
SB-240B
SB-243D
SB-243B
SB-240C
SB-067
SB-243C
SB-767
SB-770
SB-063A
SB-063
SB-063D
SB-063B
SB-033
SB-063C
SB-768
SB-773
SB-777
SB-796
SB-592A
SB-592
SB-791
SB-592D
SB-592B
SB-058A
SB-595
SB-593
SB-239
SB-786
SB-065
SB-792
SB-062A
SB-058D
SB-058B
SB-594
SB-787
SB-062D
SB-062B
SB-058C
SB-058
SB-782
SB-793
SB-062
SB-769
SB-062C
SB-788
SB-774
SB-783
SB-794
SB-789
SB-784
SB-795
SB-771
SB-785
SB-790
SB-057
SB-031

Legend

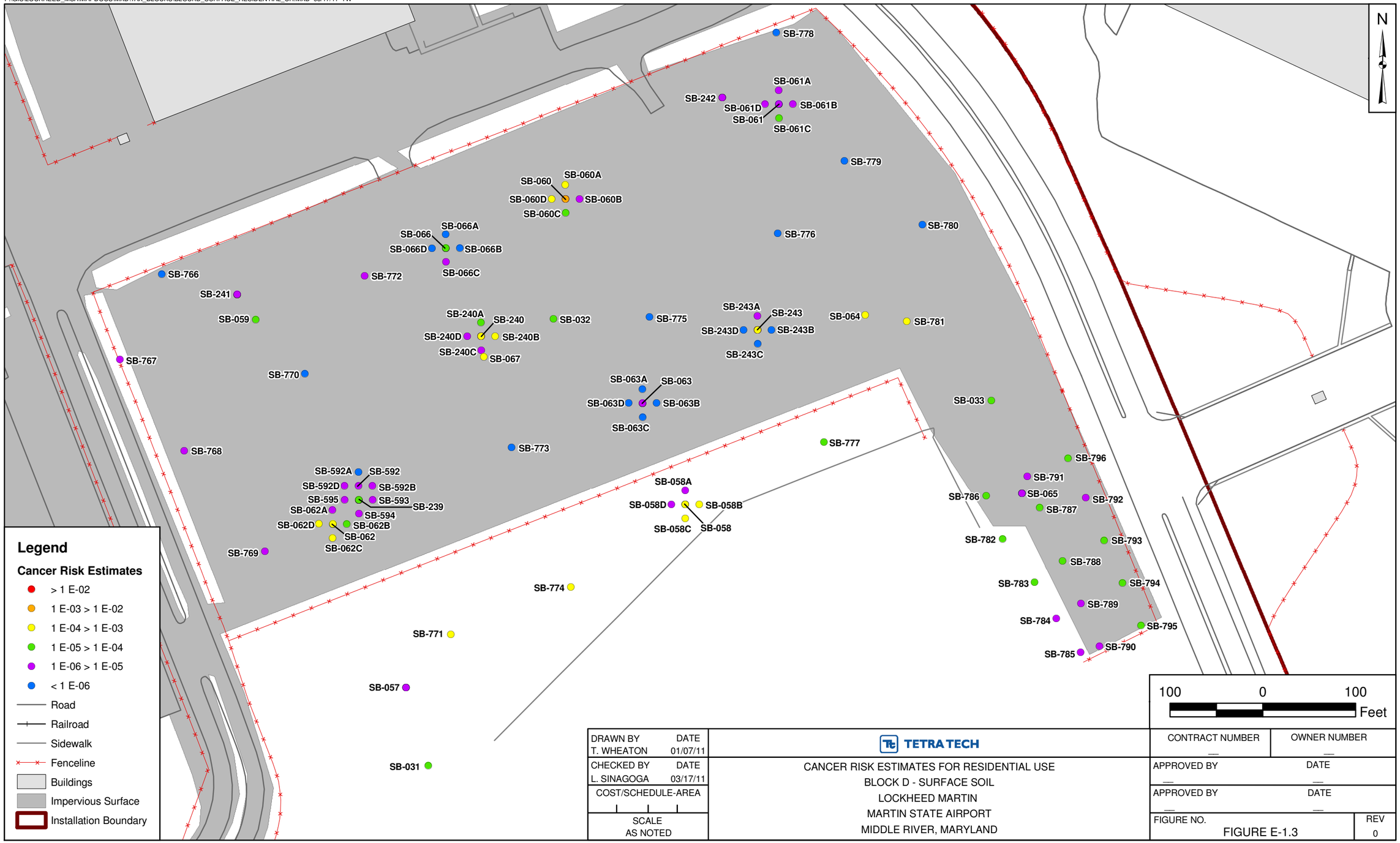
Hazard Indices

- > 100
- 10 - 100
- 1 - 10
- 0.2 - 1
- < 0.2
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

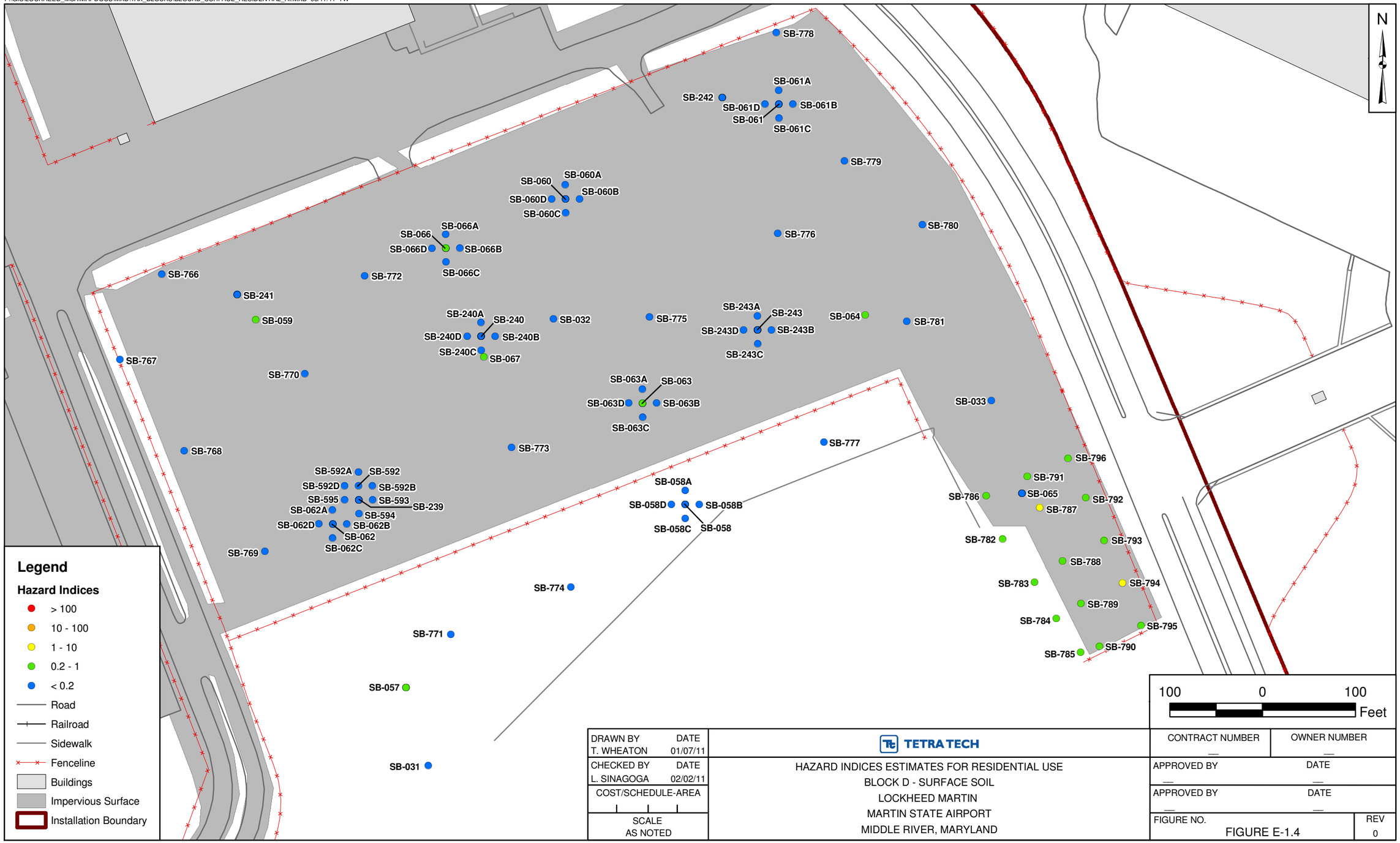
DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/17/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK D - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.2 / REV 0

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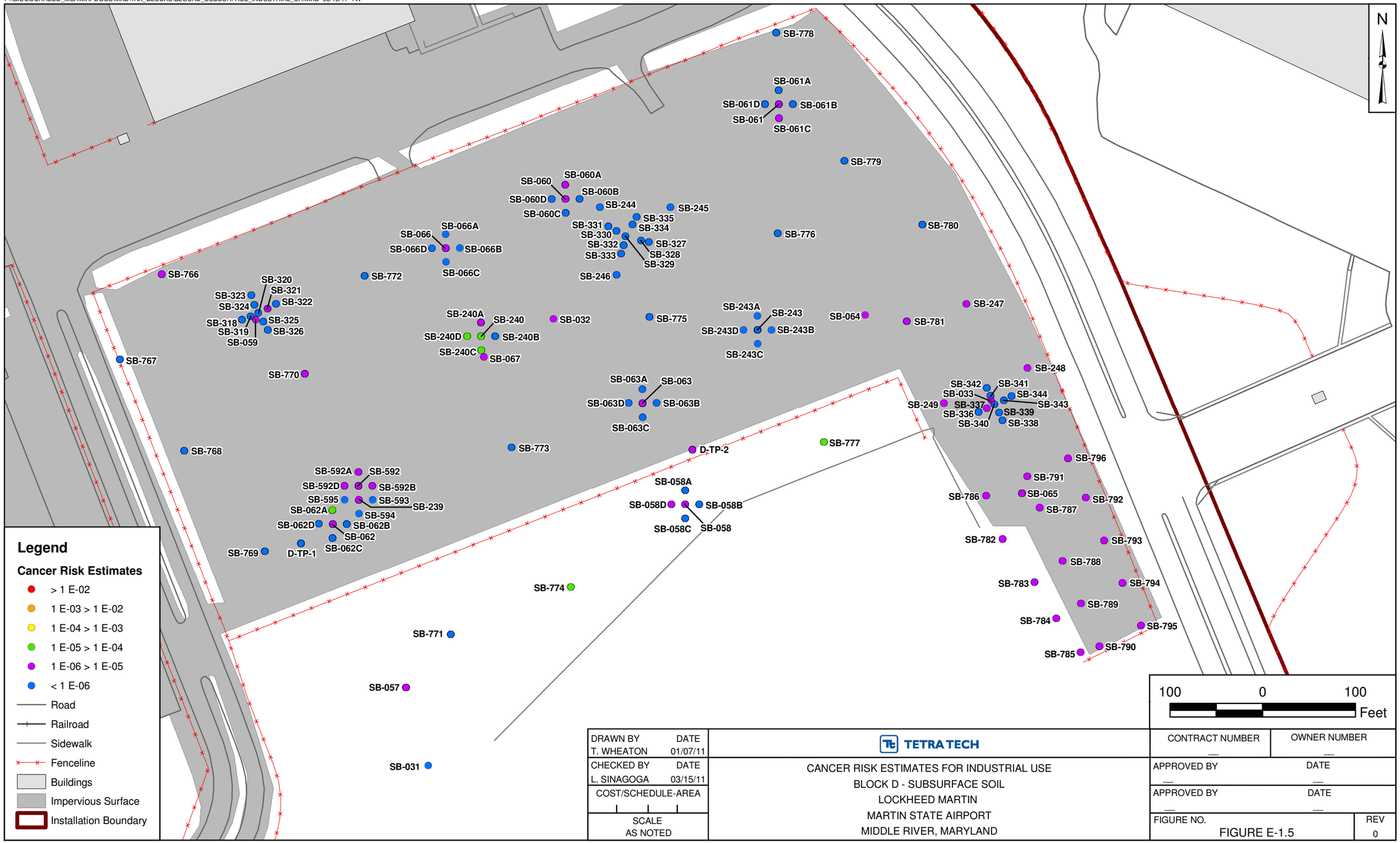
DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/17/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK D - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.3 / REV 0

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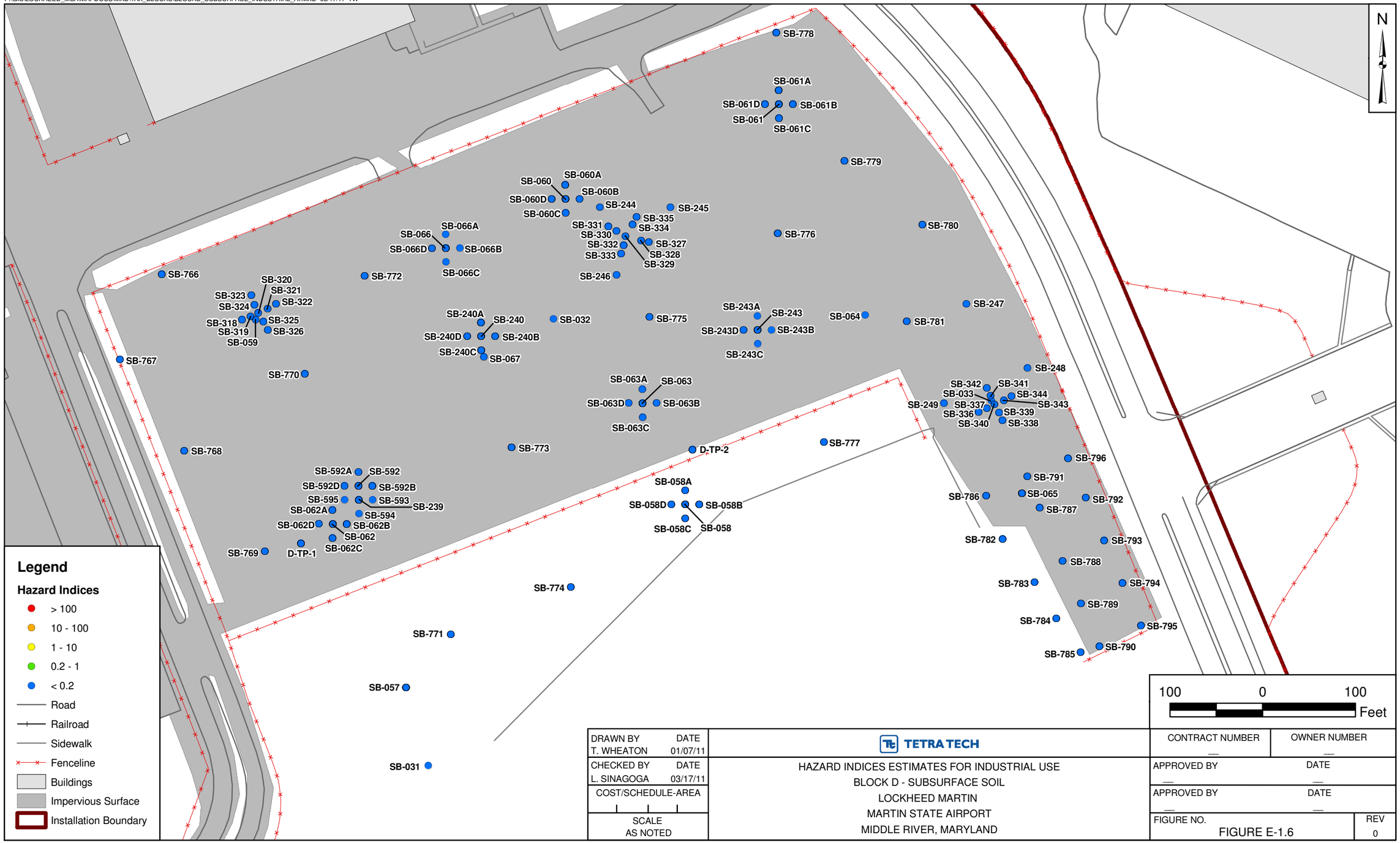
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CHECKED BY L. SINAGOGA	DATE 02/02/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK D - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.4 / REV 0

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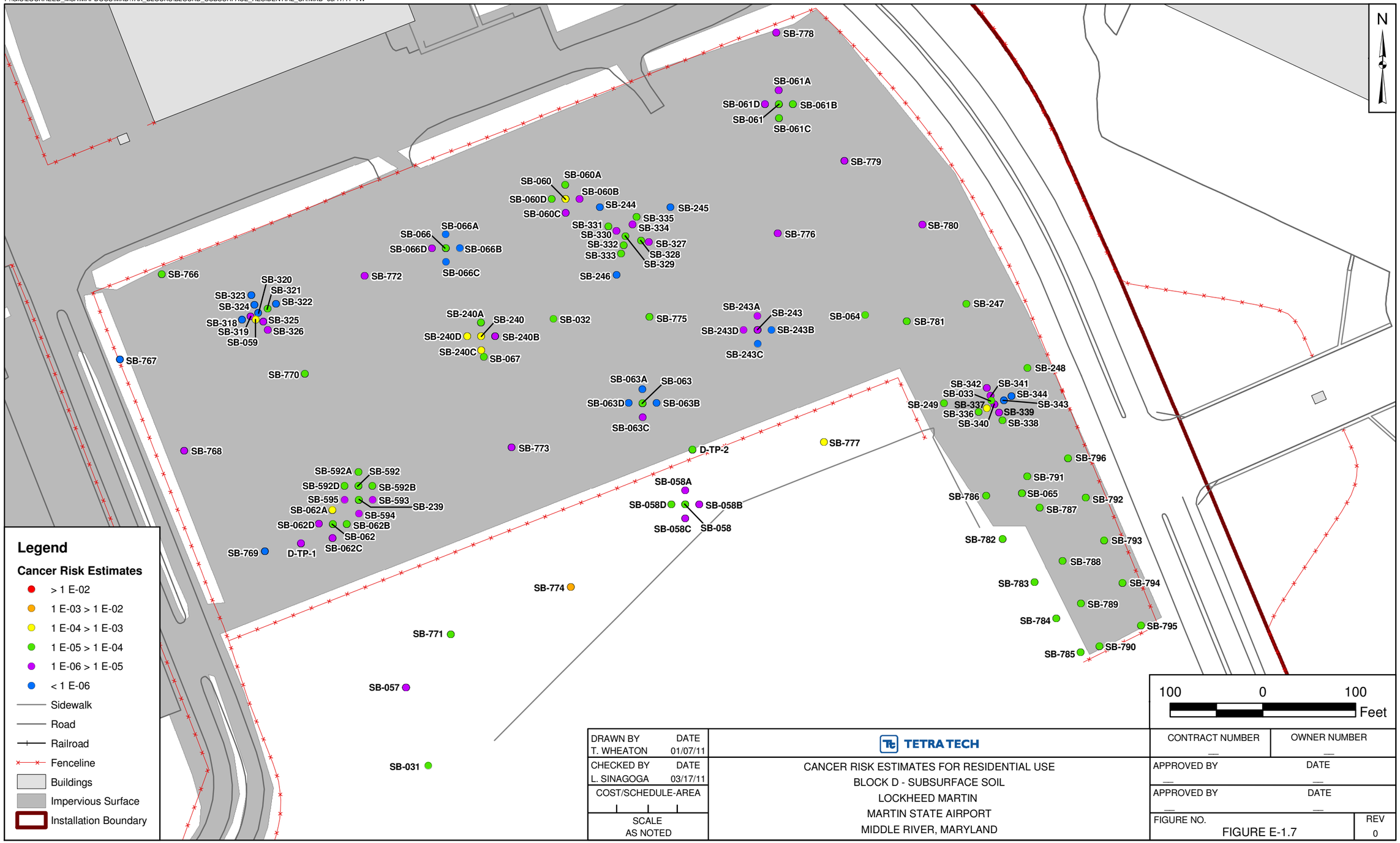
DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/15/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK D - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.5 / REV 0

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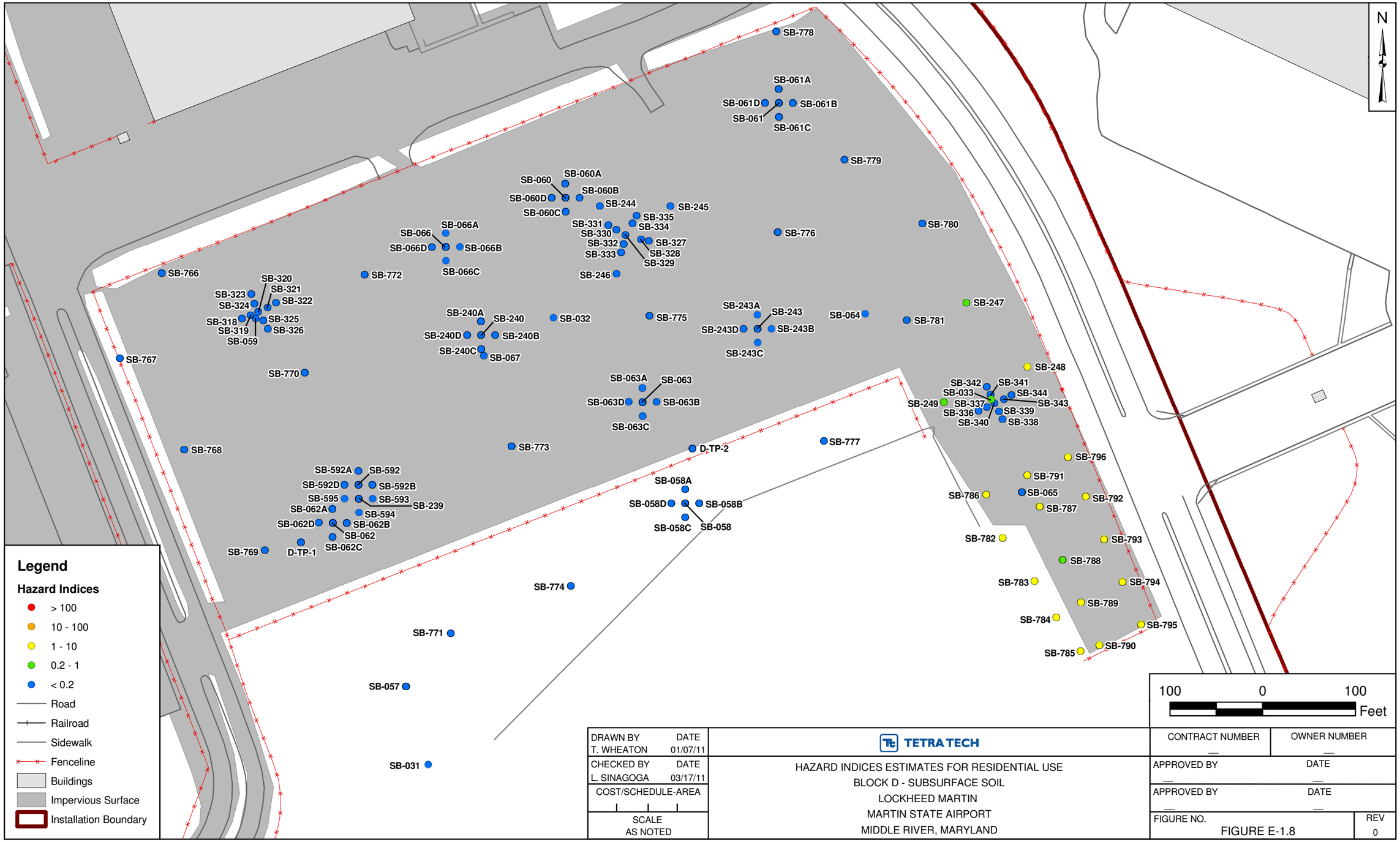
DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/17/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK D - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.6 / REV 0

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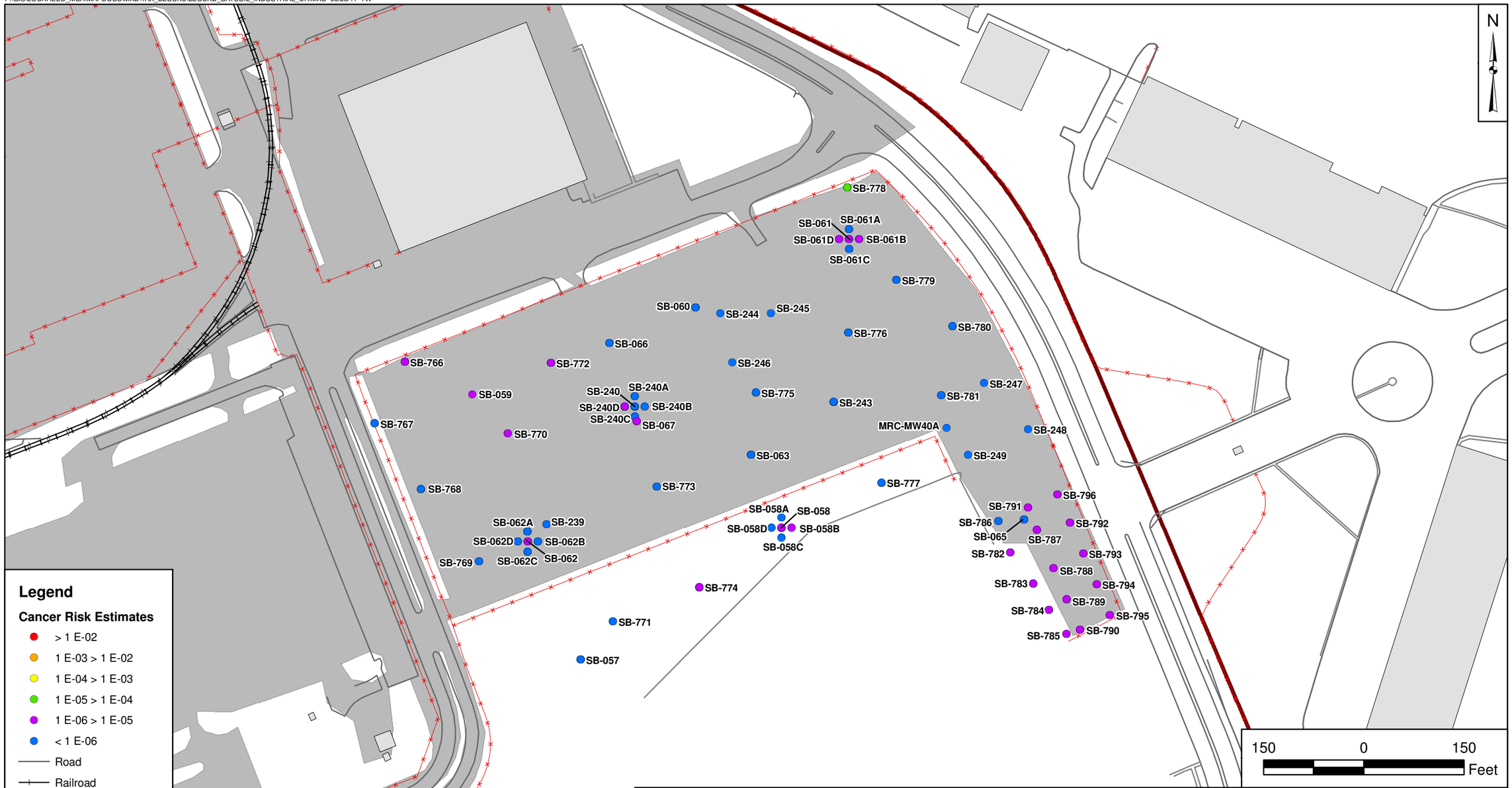
DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/17/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK D - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.7 / REV 0

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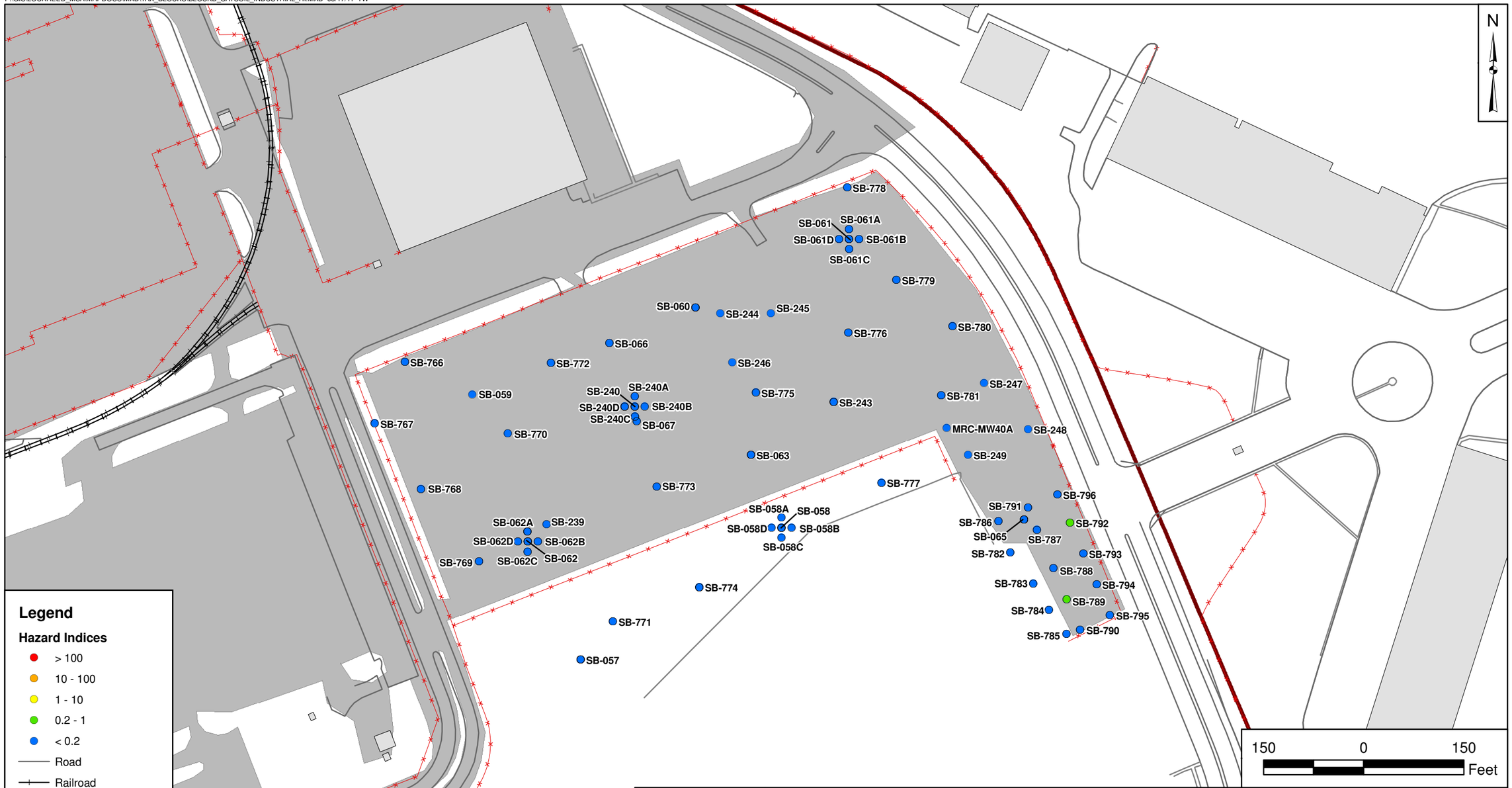
DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/17/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK D - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.8 / REV 0

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DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER --
CHECKED BY L. SINAGOGA	DATE 03/23/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK D - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.9 / REV 0

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DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER --
CHECKED BY L. SINAGOGA	DATE 03/17/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK D - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.10 / REV 0

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N

SB-778
SB-061
SB-061A
SB-061D
SB-061B
SB-061C
SB-779
SB-060
SB-244
SB-245
SB-780
SB-776
SB-066
SB-766
SB-772
SB-246
SB-247
SB-059
SB-240
SB-240A
SB-775
SB-781
SB-240D
SB-240B
SB-243
SB-240C
SB-067
SB-767
MRC-MW40A
SB-248
SB-770
SB-063
SB-249
SB-768
SB-773
SB-777
SB-796
SB-058A
SB-058
SB-791
SB-062A
SB-239
SB-058D
SB-058B
SB-786
SB-792
SB-062D
SB-062B
SB-058C
SB-065
SB-787
SB-769
SB-062C
SB-062
SB-782
SB-793
SB-788
SB-774
SB-783
SB-794
SB-789
SB-784
SB-795
SB-771
SB-785
SB-790
SB-057

Legend

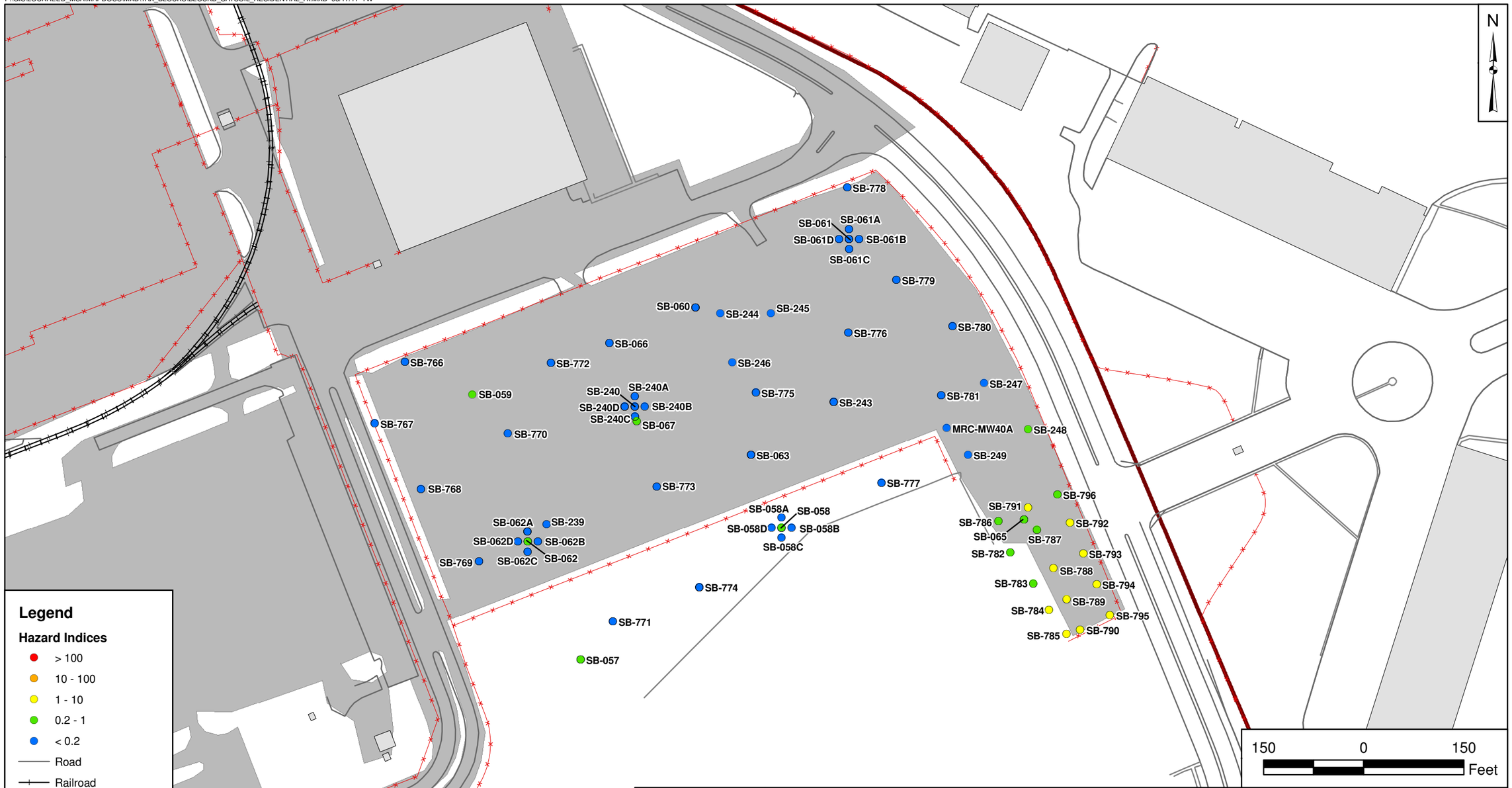
Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

150 0 150
Feet

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER --
CHECKED BY L. SINAGOGA	DATE 03/23/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK D - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-1.11 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKD_SATSOIL_RESIDENTIAL_HI.MXD 03/17/11 TW



Legend

Hazard Indices

- > 100
- 10 - 100
- 1 - 1
- 0.2 - 1
- < 0.2
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

DRAWN BY / DATE	T. WHEATON / 01/07/11
CHECKED BY / DATE	L. SINAGOGA / 03/17/11
COST/SCHEDULE-AREA	
SCALE	AS NOTED

TETRA TECH

HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE
BLOCK D - SATURATED SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER	OWNER NUMBER
—	--
APPROVED BY	DATE
—	—
APPROVED BY	DATE
—	—
FIGURE NO.	REV
FIGURE E-1.12	0

APPENDIX E.2

BLOCK E

TABLES

E-2.1 Cancer Risks for Individual Sample Locations – Surface Soil - Block E

E-2.2 Hazard Indices for Individual Sample Locations – Surface Soil - Block E

E-2.3 Cancer Risks for Individual Sample Locations – Subsurface Soil - Block E

E-2.4 Hazard Indices for Individual Sample Locations – Subsurface Soil - Block E

E-2.5 Cancer Risks for Individual Sample Locations – Saturated Soil - Block E

E-2.6 Hazard Indices for Individual Sample Locations – Saturated Soil - Block E

FIGURES

E-2.1 Cancer Risk Estimates for Industrial Use – Block E – Surface Soil

E-2.2 Hazard Indices Estimates for Industrial Use – Block E – Surface Soil

E-2.3 Cancer Risk Estimates for Residential Use – Block E – Surface Soil

E-2.4 Hazard Indices Estimates for Residential Use – Block E – Surface Soil

E-2.5 Cancer Risk Estimates for Industrial Use – Block E – Subsurface Soil

E-2.6 Hazard Indices Estimates for Industrial Use – Block E – Subsurface Soil

E-2.7 Cancer Risk Estimates for Residential Use – Block E – Subsurface Soil

E-2.8 Hazard Indices Estimates for Residential Use – Block E – Subsurface Soil

E-2.9 Cancer Risk Estimates for Industrial Use – Block E – Saturated Soil

E-2.10 Hazard Indices Estimates for Industrial Use – Block E – Saturated Soil

E-2.11 Cancer Risk Estimates for Residential Use – Block E – Saturated Soil

E-2.12 Hazard Indices Estimates for Residential Use – Block E – Saturated Soil

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-005	SB-006	SB-540	SB-541	SB-541	SB-541	SB-541A	SB-541A	SB-541A	SB-542	SB-542	SB-542
SAMPLE ID	SB-5A-SS	SB-6A-SS	SB-540-0001	SB-541-2	SB-541-	SB-541-SS0-	SB-541A-	SB-541A-	SB-541A-	SB-542-2	SB-542-	SB-542-SS0-
SAMPLE DATE	20040917	20040917	20071204	20081023	20081023	20081023	20081111	20081111	20081111	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH				2	0.5			0.5		2	0.5	
BOTTOM DEPTH			1	2	1	0.5		1	0.5	2	1	0.5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	2.1E-11	2.1E-11										
1,4-DICHLOROBENZENE	1.9E-10	1.9E-10										
BAP EQUIVALENT-HALFND	6.6E-07	6.8E-07										
AROCLOR-1254	1.4E-07	1.4E-07	2.0E-07	1.0E-08	1.0E-08	1.0E-08	4.4E-08	1.0E-08	1.0E-08	9.5E-09	9.5E-09	1.0E-08
AROCLOR-1260	1.4E-07	1.4E-07	1.8E-06	1.0E-08	1.0E-08	1.0E-08	4.9E-07	1.9E-08	2.1E-08	9.5E-09	9.5E-09	1.0E-08
ANTIMONY												
ARSENIC	4.0E-07	6.2E-07										
CADMIUM	6.4E-11	6.4E-11										
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	2.4E-11	3.7E-11										
VANADIUM												
HEXAVALENT CHROMIUM	8.0E-07	2.8E-07										
TOTAL CANCER RISK	2.1E-06	1.9E-06	2.0E-06	2.0E-08	2.0E-08	2.0E-08	5.3E-07	2.9E-08	3.1E-08	1.9E-08	1.9E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.7E-10	1.7E-10										
1,4-DICHLOROBENZENE	4.1E-10	4.1E-10										
BAP EQUIVALENT-HALFND	1.4E-05	1.5E-05										
AROCLOR-1254	6.9E-07	7.2E-07	9.9E-07	5.0E-08	5.0E-08	5.0E-08	2.2E-07	5.2E-08	5.2E-08	4.7E-08	4.7E-08	5.0E-08
AROCLOR-1260	6.9E-07	7.2E-07	8.9E-06	5.0E-08	5.0E-08	5.0E-08	2.4E-06	9.4E-08	1.0E-07	4.7E-08	4.7E-08	5.0E-08
ANTIMONY												
ARSENIC	3.1E-06	4.8E-06										
CADMIUM	1.3E-10	1.3E-10										
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	4.8E-11	7.4E-11										
VANADIUM												
HEXAVALENT CHROMIUM	1.2E-05	4.1E-06										
TOTAL CANCER RISK	3.1E-05	2.5E-05	9.9E-06	9.9E-08	9.9E-08	9.9E-08	2.6E-06	1.5E-07	1.6E-07	9.4E-08	9.4E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-543	SB-543	SB-543	SB-543A	SB-543A	SB-543A	SB-543A	SB-544	SB-544	SB-544	SB-544A	SB-544A
SAMPLE ID	SB-543-2	SB-543-	SB-543-SS0-	SB-543A-2	SB-543A-	SB-543A-	SB-543A-	SB-544-2	SB-544-	SB-544-SS0-	SB-544A-	SB-544A-
SAMPLE DATE	20081023	20081023	20081023	20081111	20081111	20081111	20081111	20081023	20081023	20081023	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	2	0.5		2		0.5		2	0.5			0.5
BOTTOM DEPTH	2	1	0.5	2		1	0.5	2	1	0.5		1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.0E-08	9.5E-09	9.5E-09	1.0E-08	9.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	9.5E-09	8.5E-09	1.0E-08
AROCLOR-1260	1.0E-08	9.5E-09	5.4E-09	1.0E-08	9.4E-07	7.7E-08	9.1E-08	1.0E-08	1.0E-08	9.5E-09	4.1E-08	2.3E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-08	1.9E-08	1.5E-08	2.0E-08	1.0E-06	8.6E-08	1.0E-07	2.0E-08	2.0E-08	1.9E-08	4.9E-08	3.3E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	5.0E-08	4.7E-08	4.7E-08	5.0E-08	4.5E-07	4.7E-08	5.0E-08	5.0E-08	5.0E-08	4.7E-08	4.2E-08	5.0E-08
AROCLOR-1260	5.0E-08	4.7E-08	2.7E-08	5.0E-08	4.7E-06	3.8E-07	4.5E-07	5.0E-08	5.0E-08	4.7E-08	2.0E-07	1.1E-07
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.9E-08	9.4E-08	7.4E-08	9.9E-08	5.1E-06	4.3E-07	5.0E-07	9.9E-08	9.9E-08	9.4E-08	2.5E-07	1.6E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-544A	SB-545	SB-545	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546
SAMPLE ID	SB-544A-20081111	SB-545-20081023	SB-545-SS0-20081023	SB-546-2 20081023	SB-546-2-20081023	SB-546-2-D 20081023	SB-546-20081023	SB-546-20081023	SB-546-20081023	SB-546-SS0-20081023	SB-546-SS0-20081023	SB-546-SS0-20081023
SAMPLE DATE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG	AVG	DUP
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE		0.5		2	2	2	0.5	0.5	0.5			
TOP DEPTH	0.5	1	0.5	2	2	2	1	1	1	0.5	0.5	0.5
BOTTOM DEPTH												
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	9.5E-09	1.0E-08	1.0E-08	1.0E-08	9.7E-09	9.5E-09	9.0E-09	9.2E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09
AROCLOR-1260	1.9E-07	1.0E-08	1.0E-08	1.0E-08	9.7E-09	9.5E-09	9.0E-09	9.2E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-07	2.1E-08	2.0E-08	2.0E-08	1.9E-08	1.9E-08	1.8E-08	1.8E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	4.7E-08	5.2E-08	5.0E-08	5.0E-08	4.8E-08	4.7E-08	4.5E-08	4.6E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08
AROCLOR-1260	9.4E-07	5.2E-08	5.0E-08	5.0E-08	4.8E-08	4.7E-08	4.5E-08	4.6E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.9E-07	1.0E-07	9.9E-08	9.9E-08	9.7E-08	9.4E-08	8.9E-08	9.2E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-546A	SB-546A	SB-546A	SB-547	SB-547	SB-547	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548
SAMPLE ID	SB-546A-20081111	SB-546A-20081111	SB-546A-20081111	SB-547-2 20081021	SB-547-20081021	SB-547-SS0-20081021	SB-548-2 20081023	SB-548-2-20081023	SB-548-2-D 20081023	SB-548-20081023	SB-548-20081023	SB-548-20081023
SAMPLE DATE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE		0.5		2	0.5		2	2	2	0.5	0.5	0.5
TOP DEPTH		1	0.5	2	1	0.5	2	2	2	1	1	1
BOTTOM DEPTH												
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	9.0E-09	1.0E-08	4.6E-07	9.5E-09	9.0E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09
AROCLOR-1260	6.6E-08	1.4E-07	9.6E-06	9.5E-09	9.0E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	7.5E-08	1.5E-07	1.0E-05	1.9E-08	1.8E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	4.5E-08	5.0E-08	2.3E-06	4.7E-08	4.5E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08
AROCLOR-1260	3.3E-07	6.9E-07	4.8E-05	4.7E-08	4.5E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08	4.7E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.7E-07	7.4E-07	5.0E-05	9.4E-08	8.9E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-548	SB-548	SB-548	SB-549	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A
SAMPLE ID	SB-548-SS0-20081023	SB-548-SS0-20081023	SB-548-SS0-20081023	SB-549-2 20081023	SB-549-2-20081023	SB-549-2-D 20081023	SB-549-20081023	SB-549-SS0-20081023	SB-550-2 20081023	SB-550-20081023	SB-550-SS0-20081023	SB-550A-2 20081111
SAMPLE DATE	ORIG	AVG	DUP	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE				2	2	2	0.5		2	0.5		2
TOP DEPTH	0.5	0.5	0.5	2	2	2	1	0.5	2	1	0.5	2
BOTTOM DEPTH												
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	9.5E-09	9.5E-09	9.5E-09	1.0E-08	9.7E-09	9.5E-09	1.0E-08	9.5E-09	1.0E-08	1.0E-08	9.5E-09	1.0E-08
AROCLOR-1260	9.5E-09	9.5E-09	9.5E-09	1.0E-08	9.7E-09	9.5E-09	1.0E-08	9.5E-09	1.0E-08	1.0E-08	9.5E-09	1.0E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.9E-08	1.9E-08	1.9E-08	2.0E-08	1.9E-08	1.9E-08	2.0E-08	1.9E-08	2.0E-08	2.0E-08	1.9E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	4.7E-08	4.7E-08	4.7E-08	5.0E-08	4.8E-08	4.7E-08	5.0E-08	4.7E-08	5.0E-08	5.0E-08	4.7E-08	5.0E-08
AROCLOR-1260	4.7E-08	4.7E-08	4.7E-08	5.0E-08	4.8E-08	4.7E-08	5.0E-08	4.7E-08	5.0E-08	5.0E-08	4.7E-08	5.0E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.4E-08	9.4E-08	9.4E-08	9.9E-08	9.7E-08	9.4E-08	9.9E-08	9.4E-08	9.9E-08	9.9E-08	9.4E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-550A	SB-550A	SB-550A	SB-551	SB-551	SB-551	SB-552	SB-552	SB-552	SB-553	SB-553	SB-554
SAMPLE ID	SB-550A-20081111	SB-550A-20081111	SB-550A-20081111	SB-551-2 20081023	SB-551-20081023	SB-551-SS0-20081023	SB-552-2 20081023	SB-552-20081023	SB-552-SS0-20081023	SB-553-2 20081021	SB-553-20081021	SB-554-2 20081021
SAMPLE DATE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE		0.5		2	0.5		2	0.5		2	0.5	2
TOP DEPTH		1	0.5	2	1	0.5	2	1	0.5	2	1	2
BOTTOM DEPTH												
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.0E-09	1.0E-08	9.5E-09	9.5E-09	1.0E-08	9.5E-09	9.5E-09
AROCLOR-1260	6.1E-08	1.0E-08	1.2E-08	1.0E-08	1.0E-08	5.6E-09	1.0E-08	2.7E-08	9.5E-09	1.0E-08	9.5E-09	9.5E-09
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.9E-08	2.0E-08	2.2E-08	2.1E-08	2.0E-08	1.5E-08	2.0E-08	3.6E-08	1.9E-08	2.0E-08	1.9E-08	1.9E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	4.2E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	4.5E-08	5.0E-08	4.7E-08	4.7E-08	5.0E-08	4.7E-08	4.7E-08
AROCLOR-1260	3.0E-07	5.0E-08	5.9E-08	5.2E-08	5.0E-08	2.8E-08	5.0E-08	1.3E-07	4.7E-08	5.0E-08	4.7E-08	4.7E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.4E-07	9.9E-08	1.1E-07	1.0E-07	9.9E-08	7.2E-08	9.9E-08	1.8E-07	9.4E-08	9.9E-08	9.4E-08	9.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-554	SB-555	SB-555	SB-555	SB-556	SB-556	SB-556	SB-557	SB-557	SB-557	SB-558	SB-558
SAMPLE ID	SB-554-20081021	SB-555-2 20081021	SB-555-20081021	SB-555-SS0-20081021	SB-556-2 20081021	SB-556-20081021	SB-556-SS0-20081021	SB-557-2 20081021	SB-557-20081021	SB-557-SS0-20081021	SB-558-2 20081021	SB-558-20081021
SAMPLE DATE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	0.5	2	0.5		2	0.5		2	0.5		2	0.5
TOP DEPTH	1	2	1	0.5	2	1	0.5	2	1	0.5	2	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	9.5E-09	4.7E-07	4.8E-06	3.6E-05		1.0E-08	9.0E-09	9.0E-09	9.0E-09	9.5E-09	5.1E-08	9.5E-09
AROCLOR-1260	9.5E-09	3.8E-06	3.8E-06	1.7E-05		1.0E-08	1.8E-07	9.0E-09	9.0E-09	1.1E-08	9.5E-09	9.5E-09
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.9E-08	4.3E-06	8.6E-06	5.3E-05		2.0E-08	1.9E-07	1.8E-08	1.8E-08	2.0E-08	6.0E-08	1.9E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	4.7E-08	2.4E-06	2.4E-05	1.8E-04		5.0E-08	4.5E-08	4.5E-08	4.5E-08	4.7E-08	2.5E-07	4.7E-08
AROCLOR-1260	4.7E-08	1.9E-05	1.9E-05	8.4E-05		5.0E-08	8.9E-07	4.5E-08	4.5E-08	5.4E-08	4.7E-08	4.7E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.4E-08	2.1E-05	4.3E-05	2.6E-04		9.9E-08	9.4E-07	8.9E-08	8.9E-08	1.0E-07	3.0E-07	9.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-558	SB-559	SB-559	SB-559	SB-560	SB-560	SB-560	SB-561	SB-561	SB-561	SB-562	SB-562
SAMPLE ID	SB-558-SS0-	SB-559-2	SB-559-	SB-559-SS0-	SB-560-2	SB-560-	SB-560-SS0-	SB-561-2	SB-561-	SB-561-SS0-	SB-562-2	SB-562-
SAMPLE DATE	20081021	20081022	20081022	20081022	20081022	20081022	20081022	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		2	0.5		2	0.5		2	0.5		2	0.5
BOTTOM DEPTH	0.5	2	1	0.5	2	1	0.5	2	1	0.5	2	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	9.8E-08	9.0E-09	9.0E-09	9.0E-09	9.0E-09	9.0E-09	9.0E-09					
AROCLOR-1260	1.6E-06	9.0E-09	9.0E-09	5.2E-09	9.0E-09	9.0E-09	1.3E-08					
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.7E-06	1.8E-08	1.8E-08	1.4E-08	1.8E-08	1.8E-08	2.2E-08					
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	4.9E-07	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08	4.5E-08					
AROCLOR-1260	7.9E-06	4.5E-08	4.5E-08	2.6E-08	4.5E-08	4.5E-08	6.4E-08					
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.4E-06	8.9E-08	8.9E-08	7.0E-08	8.9E-08	8.9E-08	1.1E-07					

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-562	SB-563	SB-563	SB-563	SB-564	SB-564	SB-564	SB-565	SB-565	SB-565	SB-566	SB-566
SAMPLE ID	SB-562-SS0-	SB-563-2	SB-563-	SB-563-SS0-	SB-564-2	SB-564-	SB-564-SS0-	SB-565-2	SB-565-	SB-565-SS0-	SB-566-2	SB-566-
SAMPLE DATE	20081021	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		2	0.5		2	0.5		2	0.5		2	0.5
BOTTOM DEPTH	0.5	2	1	0.5	2	1	0.5	2	1	0.5	2	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254		9.5E-09	9.0E-09	9.5E-09	8.5E-09	9.0E-09	9.0E-09	4.8E-08	1.0E-08	9.5E-09	9.5E-09	9.0E-09
AROCLOR-1260		9.5E-09	9.0E-09	4.0E-08	8.5E-09	9.0E-09	1.1E-08	1.0E-06	3.4E-07	2.1E-07	9.5E-09	1.1E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK		1.9E-08	1.8E-08	4.9E-08	1.7E-08	1.8E-08	2.0E-08	1.0E-06	3.5E-07	2.2E-07	1.9E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254		4.7E-08	4.5E-08	4.7E-08	4.2E-08	4.5E-08	4.5E-08	2.4E-07	5.0E-08	4.7E-08	4.7E-08	4.5E-08
AROCLOR-1260		4.7E-08	4.5E-08	2.0E-07	4.2E-08	4.5E-08	5.4E-08	5.0E-06	1.7E-06	1.0E-06	4.7E-08	5.4E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK		9.4E-08	8.9E-08	2.5E-07	8.4E-08	8.9E-08	9.9E-08	5.2E-06	1.7E-06	1.1E-06	9.4E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-566	SB-567	SB-567	SB-567	SB-568	SB-568	SB-568	SB-569	SB-569	SB-569	SB-570	SB-570
SAMPLE ID	SB-566-SS0-	SB-567-2	SB-567-	SB-567-SS0-	SB-568-2	SB-568-	SB-568-SS0-	SB-569-2	SB-569-	SB-569-SS0-	SB-570-2	SB-570-
SAMPLE DATE	20081022	20081023	20081023	20081023	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		2	0.5		2	0.5		2	0.5		2	0.5
BOTTOM DEPTH	0.5	2	1	0.5	2	1	0.5	2	1	0.5	2	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	4.6E-08	9.5E-09	9.5E-09	9.0E-09	9.0E-09	4.5E-07	4.5E-06	1.0E-08	3.4E-07	9.5E-06	9.0E-09	9.0E-08
AROCLOR-1260	1.2E-06	4.3E-09	5.4E-09	2.5E-08	9.0E-09	1.1E-05	8.1E-05	1.0E-08	7.9E-06	3.0E-04	9.0E-09	3.2E-06
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.2E-06	1.4E-08	1.5E-08	3.4E-08	1.8E-08	1.1E-05	8.5E-05	2.0E-08	8.2E-06	3.1E-04	1.8E-08	3.3E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	2.3E-07	4.7E-08	4.7E-08	4.5E-08	4.5E-08	2.3E-06	2.2E-05	5.0E-08	1.7E-06	4.7E-05	4.5E-08	4.5E-07
AROCLOR-1260	5.9E-06	2.1E-08	2.7E-08	1.2E-07	4.5E-08	5.4E-05	4.0E-04	5.0E-08	3.9E-05	1.5E-03	4.5E-08	1.6E-05
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.2E-06	6.8E-08	7.4E-08	1.7E-07	8.9E-08	5.7E-05	4.2E-04	9.9E-08	4.1E-05	1.5E-03	8.9E-08	1.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-570	SB-571	SB-571	SB-571	SB-001	SB-002	SB-003	SB-004	SB-004	SB-035	SB-036	SB-041	SB-042
SAMPLE ID	SB-570-SS0-	SB-571-2	SB-571-	SB-571-SS0-	SB-1A-SS	SB-2A-01	SB-3A-SS	SB-04B-	SB-4A-SS	SB-35-SS	SB-36-SS	SB-41S-SS	SB-42S-SS
SAMPLE DATE	20081022	20081023	20081023	20081023	20040921	20040920	20040920	20050512	20040921	20040917	20040917	20041105	20041105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		2	0.5			1		1					
BOTTOM DEPTH	0.5	2	1	0.5		1		1					
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE					2.1E-11	2.1E-11	1.8E-11		9.9E-10	2.1E-11	2.1E-11		
1,4-DICHLOROBENZENE					1.9E-10	1.9E-10	1.6E-10		1.9E-10	1.9E-10	1.9E-10		
BAP EQUIVALENT-HALFND					6.6E-07	6.8E-07	6.2E-06		1.3E-06	6.6E-07	6.8E-07		
AROCLOR-1254	1.8E-07	9.5E-09	9.0E-09	9.0E-09	1.4E-07	1.4E-07	1.3E-07	1.9E-08	2.9E-05	1.4E-07	1.4E-07		
AROCLOR-1260	6.8E-06	9.5E-09	9.0E-09	9.0E-09	1.4E-07	1.4E-07	3.5E-07	1.9E-08	1.8E-04	1.4E-07	1.4E-07		
ANTIMONY													
ARSENIC					4.0E-07	3.6E-07	5.5E-07		5.5E-07	3.4E-07	4.4E-07		
CADMIUM					6.4E-11	6.6E-11	5.5E-11		6.1E-11	5.7E-11	6.6E-11		
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL					4.3E-11	4.9E-11	1.3E-10		9.2E-11	2.8E-11	6.6E-11		
VANADIUM													
HEXAVALENT CHROMIUM					5.2E-07	2.8E-07	4.1E-07		5.0E-07	1.8E-07	4.1E-07		
TOTAL CANCER RISK	7.0E-06	1.9E-08	1.8E-08	1.8E-08	1.9E-06	1.6E-06	7.7E-06	3.8E-08	2.1E-04	1.5E-06	1.8E-06		
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE					1.7E-10	1.7E-10	1.4E-10		7.7E-09	1.7E-10	1.7E-10		
1,4-DICHLOROBENZENE					4.1E-10	4.1E-10	3.4E-10		4.1E-10	4.1E-10	4.1E-10		
BAP EQUIVALENT-HALFND					1.4E-05	1.5E-05	1.4E-04		2.7E-05	1.4E-05	1.5E-05		
AROCLOR-1254	9.2E-07	4.7E-08	4.5E-08	4.5E-08	6.9E-07	7.2E-07	6.7E-07	9.4E-08	1.4E-04	6.9E-07	7.2E-07		
AROCLOR-1260	3.4E-05	4.7E-08	4.5E-08	4.5E-08	6.9E-07	7.2E-07	1.7E-06	9.4E-08	8.9E-04	6.9E-07	7.2E-07		
ANTIMONY													
ARSENIC					3.1E-06	2.8E-06	4.3E-06		4.3E-06	2.6E-06	3.4E-06		
CADMIUM					1.3E-10	1.3E-10	1.1E-10		1.2E-10	1.1E-10	1.3E-10		
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL					8.6E-11	9.9E-11	2.6E-10		1.9E-10	5.7E-11	1.3E-10		
VANADIUM													
HEXAVALENT CHROMIUM					7.8E-06	4.1E-06	6.2E-06		7.4E-06	2.7E-06	6.2E-06		
TOTAL CANCER RISK	3.5E-05	9.4E-08	8.9E-08	8.9E-08	2.7E-05	2.3E-05	1.5E-04	1.9E-07	1.1E-03	2.1E-05	2.6E-05		

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-169	SB-232	SB-232	SB-233	SB-233	SB-234	SB-234	SB-235	SB-235	SB-345	SB-346	SB-347
SAMPLE ID	SB-169-SS	SB-232-01	SB-232-SS	SB-233-01	SB-233-SS	SB-234-01	SB-234-SS	SB-235-01	SB-235-SS	SB-345-0001	SB-346-0001	SB-347-0001
SAMPLE DATE	20041105	20050512	20050512	20050512	20050512	20050512	20050512	20050512	20050512	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		1		1		1		1				
BOTTOM DEPTH		1		1		1		1		1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254		1.9E-08	1.8E-08	1.9E-08	1.8E-08	1.9E-08	1.8E-08	1.8E-08	1.8E-08	1.7E-08	1.9E-07	1.0E-06
AROCLOR-1260		9.4E-08	1.4E-07	1.9E-08	8.0E-08	8.5E-09	1.1E-06	1.8E-08	1.1E-07	2.6E-07	1.7E-06	7.1E-06
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK		1.1E-07	1.6E-07	3.9E-08	9.8E-08	2.8E-08	1.1E-06	3.7E-08	1.3E-07	2.8E-07	1.9E-06	8.1E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254		9.7E-08	9.2E-08	9.7E-08	9.2E-08	9.7E-08	9.2E-08	9.2E-08	9.2E-08	8.7E-08	9.7E-07	5.2E-06
AROCLOR-1260		4.7E-07	6.9E-07	9.7E-08	4.0E-07	4.2E-08	5.3E-06	9.2E-08	5.3E-07	1.3E-06	8.4E-06	3.5E-05
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK		5.6E-07	7.9E-07	1.9E-07	4.9E-07	1.4E-07	5.4E-06	1.8E-07	6.3E-07	1.4E-06	9.4E-06	4.0E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-348	SB-349	SB-350	SB-351	SB-352	SB-353	SB-354	SB-355	SB-356	SB-357	SB-358	SB-359
SAMPLE ID	SB-348-0001	SB-349-0001	SB-350-0001	SB-351-0001	SB-352-0001	SB-353-0001	SB-354-0001	SB-355-0001	SB-356-0001	SB-357-0001	SB-358-0001	SB-359-0001
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	2.1E-06	2.2E-06	4.1E-06	2.0E-06	1.4E-06	3.7E-04	4.1E-05	1.0E-05	2.2E-06	1.0E-06	1.9E-06	3.7E-07
AROCLOR-1260	3.4E-05	2.4E-05	5.5E-05	2.1E-05	1.9E-05	1.8E-03	4.0E-04	9.6E-05	2.5E-05	1.2E-05	2.7E-05	3.7E-06
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.6E-05	2.6E-05	5.9E-05	2.3E-05	2.0E-05	2.2E-03	4.4E-04	1.1E-04	2.7E-05	1.3E-05	2.9E-05	4.1E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.0E-05	1.1E-05	2.0E-05	1.0E-05	6.9E-06	1.8E-03	2.1E-04	5.2E-05	1.1E-05	5.2E-06	9.7E-06	1.9E-06
AROCLOR-1260	1.7E-04	1.2E-04	2.7E-04	1.0E-04	9.4E-05	8.9E-03	2.0E-03	4.8E-04	1.2E-04	5.9E-05	1.3E-04	1.8E-05
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.8E-04	1.3E-04	2.9E-04	1.1E-04	1.0E-04	1.1E-02	2.2E-03	5.3E-04	1.3E-04	6.5E-05	1.4E-04	2.0E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-360	SB-361	SB-362	SB-363	SB-364	SB-500	SB-501	SB-502	SB-503	SB-503	SB-503	SB-504
SAMPLE ID	SB-360-0001	SB-361-0001	SB-362-0001	SB-363-0001	SB-364-0001	SB-500-0001	SB-501-0001	SB-502-0001	SB-503-0001	SB-503-0001-	SB-503-0001-	SB-504-0001
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071127	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE						2.7E-12	2.1E-11	1.1E-11	3.5E-12	1.3E-11	2.3E-11	1.9E-11
1,4-DICHLOROBENZENE						1.8E-10	1.9E-10	1.9E-10	1.9E-10	2.0E-10	2.1E-10	1.8E-10
BAP EQUIVALENT-HALFND						1.9E-06	1.6E-05	1.9E-05	3.8E-05	2.1E-05	3.1E-06	1.1E-06
AROCLOR-1254	1.9E-06	1.9E-05	4.0E-07	2.2E-06	1.0E-06	1.8E-08	3.8E-06	1.9E-07	1.9E-07	1.1E-07	2.1E-08	9.0E-08
AROCLOR-1260	2.7E-05	1.4E-04	5.0E-06	2.4E-05	1.2E-05	4.7E-08	5.8E-05	1.2E-06	1.7E-06	9.1E-07	1.2E-07	1.2E-06
ANTIMONY												
ARSENIC						4.8E-07	1.2E-06	6.6E-07	9.5E-07	9.0E-07	8.4E-07	1.9E-07
CADMIUM						9.1E-12	9.1E-12	8.6E-12	6.8E-11	5.3E-11	3.7E-11	1.9E-11
COBALT						6.1E-10	1.1E-09	5.0E-10	1.1E-09	9.2E-10	7.0E-10	1.0E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL						3.2E-11	4.4E-11	3.8E-11	7.2E-11	5.8E-11	4.3E-11	4.5E-11
VANADIUM												
HEXAVALENT CHROMIUM						2.7E-07	3.8E-07	2.3E-07	9.2E-07	7.1E-07	5.0E-07	3.5E-07
TOTAL CANCER RISK	2.9E-05	1.6E-04	5.4E-06	2.6E-05	1.3E-05	2.7E-06	7.9E-05	2.2E-05	4.2E-05	2.3E-05	4.6E-06	2.9E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE						2.1E-11	1.6E-10	8.5E-11	2.8E-11	1.0E-10	1.8E-10	1.5E-10
1,4-DICHLOROBENZENE						3.9E-10	4.0E-10	4.0E-10	4.0E-10	4.2E-10	4.4E-10	3.7E-10
BAP EQUIVALENT-HALFND						4.1E-05	3.4E-04	4.2E-04	8.3E-04	4.5E-04	6.7E-05	2.3E-05
AROCLOR-1254	9.7E-06	9.4E-05	2.0E-06	1.1E-05	5.2E-06	9.2E-08	1.9E-05	9.7E-07	9.7E-07	5.4E-07	1.1E-07	4.5E-07
AROCLOR-1260	1.3E-04	6.9E-04	2.5E-05	1.2E-04	5.9E-05	2.3E-07	2.9E-04	5.9E-06	8.4E-06	4.5E-06	5.9E-07	5.9E-06
ANTIMONY												
ARSENIC						3.7E-06	9.7E-06	5.1E-06	7.4E-06	7.0E-06	6.6E-06	1.5E-06
CADMIUM						1.8E-11	1.8E-11	1.7E-11	1.4E-10	1.1E-10	7.5E-11	3.8E-11
COBALT						1.2E-09	2.2E-09	1.0E-09	2.3E-09	1.9E-09	1.4E-09	2.1E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL						6.4E-11	8.9E-11	7.7E-11	1.5E-10	1.2E-10	8.7E-11	9.1E-11
VANADIUM												
HEXAVALENT CHROMIUM						4.1E-06	5.7E-06	3.5E-06	1.4E-05	1.1E-05	7.4E-06	5.2E-06
TOTAL CANCER RISK	1.4E-04	7.9E-04	2.7E-05	1.3E-04	6.5E-05	4.9E-05	6.6E-04	4.3E-04	8.6E-04	4.7E-04	8.2E-05	3.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-505	SB-506	SB-506	SB-506	SB-507	SB-508	SB-509	SB-510	SB-511	SB-512	SB-513	SB-514
SAMPLE ID	SB-505-0001	SB-506-0001	SB-506-0001-	SB-506-0001-	SB-507-0001	SB-508-0001	SB-509-0001	SB-510-0001	SB-511-0001	SB-512-0001	SB-513-0001	SB-514-0001
SAMPLE DATE	20071127	20071128	20071128	20071128	20071128	20071128	20071129	20071128	20071129	20071129	20071129	20071129
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	2.1E-11	2.0E-11	2.0E-11	2.1E-11	2.1E-11	2.1E-11	2.1E-11	2.0E-11	2.0E-11	2.0E-11	2.1E-11	2.1E-11
1,4-DICHLOROBENZENE	1.9E-10	1.8E-10	1.8E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10	1.8E-10	1.8E-10	1.8E-10	1.9E-10	1.9E-10
BAP EQUIVALENT-HALFND	2.9E-06	6.6E-07	6.6E-07	6.6E-07	7.9E-07	6.6E-07	6.6E-07	7.5E-07	3.4E-07	7.3E-07	1.5E-06	6.6E-07
AROCLOR-1254	1.0E-05	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.8E-08	1.9E-08	1.8E-08	1.9E-08	1.9E-08
AROCLOR-1260	9.9E-05	1.2E-08	1.1E-08	1.1E-08	1.9E-08	1.5E-08	1.9E-08	3.1E-08	4.9E-08	3.0E-08	8.4E-08	1.9E-08
ANTIMONY												
ARSENIC	1.3E-06	6.6E-07	6.4E-07	6.2E-07	7.7E-07	9.1E-07	5.5E-07	3.5E-06	1.9E-07	5.5E-07	6.2E-07	5.5E-07
CADMIUM	2.9E-10	3.2E-13	5.7E-13	8.2E-13	5.0E-12	2.0E-12	2.7E-13	1.6E-12	1.3E-12	4.2E-12	5.0E-12	3.5E-11
COBALT	9.1E-10	4.8E-10	5.1E-10	5.5E-10	2.5E-09	6.2E-09	8.9E-10	8.9E-10	9.5E-10	8.4E-10	8.9E-10	4.0E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	1.2E-10	2.7E-11	3.1E-11	3.5E-11	1.0E-10	6.0E-11	2.1E-11	7.3E-11	1.1E-10	5.7E-11	4.3E-11	1.0E-10
VANADIUM												
HEXAVALENT CHROMIUM	2.3E-06	2.0E-07	2.4E-07	2.8E-07	3.1E-07	3.1E-07	1.7E-07	2.8E-07	4.3E-07	3.1E-07	3.5E-07	4.4E-07
TOTAL CANCER RISK	1.1E-04	1.5E-06	1.6E-06	1.6E-06	1.9E-06	1.9E-06	1.4E-06	4.6E-06	1.0E-06	1.6E-06	2.6E-06	1.7E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.7E-10	1.6E-10	1.6E-10	1.6E-10	1.6E-10	1.6E-10	1.6E-10	1.5E-10	1.6E-10	1.5E-10	1.6E-10	1.6E-10
1,4-DICHLOROBENZENE	4.1E-10	3.9E-10	3.9E-10	4.0E-10	4.0E-10	4.0E-10	4.0E-10	3.8E-10	3.9E-10	3.8E-10	4.0E-10	4.0E-10
BAP EQUIVALENT-HALFND	6.2E-05	1.4E-05	1.4E-05	1.4E-05	1.7E-05	1.4E-05	1.4E-05	1.6E-05	7.3E-06	1.6E-05	3.2E-05	1.4E-05
AROCLOR-1254	5.0E-05	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.4E-08	9.2E-08	9.4E-08	9.2E-08	9.7E-08	9.4E-08
AROCLOR-1260	4.9E-04	5.9E-08	5.7E-08	5.4E-08	9.4E-08	7.4E-08	9.4E-08	1.5E-07	2.4E-07	1.5E-07	4.2E-07	9.4E-08
ANTIMONY												
ARSENIC	1.0E-05	5.1E-06	5.0E-06	4.8E-06	6.0E-06	7.1E-06	4.3E-06	2.7E-05	1.5E-06	4.3E-06	4.8E-06	4.3E-06
CADMIUM	5.9E-10	6.4E-13	1.1E-12	1.6E-12	1.0E-11	4.0E-12	5.5E-13	3.3E-12	2.7E-12	8.5E-12	1.0E-11	7.1E-11
COBALT	1.8E-09	9.6E-10	1.0E-09	1.1E-09	4.9E-09	1.2E-08	1.8E-09	1.8E-09	1.9E-09	1.7E-09	1.8E-09	8.0E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	2.4E-10	5.4E-11	6.3E-11	7.1E-11	2.1E-10	1.2E-10	4.2E-11	1.5E-10	2.2E-10	1.2E-10	8.6E-11	2.0E-10
VANADIUM												
HEXAVALENT CHROMIUM	3.4E-05	2.9E-06	3.6E-06	4.2E-06	4.6E-06	4.6E-06	2.6E-06	4.2E-06	6.4E-06	4.7E-06	5.2E-06	6.5E-06
TOTAL CANCER RISK	6.5E-04	2.2E-05	2.3E-05	2.3E-05	2.8E-05	2.6E-05	2.1E-05	4.8E-05	1.6E-05	2.5E-05	4.3E-05	2.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-515	SB-516	SB-517	SB-518	SB-519	SB-520	SB-521	SB-522	SB-523	SB-524	SB-525	SB-526
SAMPLE ID	SB-515-0001	SB-516-0001	SB-517-0001	SB-518-0001	SB-519-0001	SB-520-0001	SB-521-0001	SB-522-0001	SB-523-0001	SB-524-0001	SB-525-0001	SB-526-0001
SAMPLE DATE	20071129	20071130	20071130	20071130	20071130	20071130	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	2.1E-11	2.1E-11	2.0E-11	2.1E-11	2.1E-11	2.2E-11						
1,4-DICHLOROBENZENE	1.9E-10	1.9E-10	1.8E-10	1.9E-10	1.9E-10	2.0E-10						
BAP EQUIVALENT-HALFND	3.3E-06	1.4E-06	7.1E-07	6.9E-07	1.5E-06	8.6E-07						
AROCLOR-1254	1.9E-08	1.9E-08	1.8E-08	2.0E-08	1.9E-08	2.0E-08	2.1E-07	2.0E-07	1.9E-07	3.9E-06	4.3E-06	1.1E-05
AROCLOR-1260	2.9E-07	1.9E-08	1.8E-08	2.0E-08	1.9E-08	2.0E-08	3.1E-06	3.4E-06	2.1E-06	5.2E-05	5.4E-05	8.2E-05
ANTIMONY												
ARSENIC	3.6E-07	3.4E-07	4.0E-07	8.1E-07	5.9E-07	3.0E-07						
CADMIUM	2.0E-11	7.3E-12	3.2E-12	1.0E-12	8.6E-13	1.3E-12						
COBALT	9.3E-10	6.4E-10	1.3E-09	8.9E-10	8.6E-10	1.0E-09						
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	7.7E-11	7.2E-11	8.6E-11	4.9E-11	5.3E-11	6.7E-11						
VANADIUM												
HEXAVALENT CHROMIUM	3.1E-07	3.2E-07	2.6E-07	3.2E-07	2.9E-07	2.1E-07						
TOTAL CANCER RISK	4.3E-06	2.1E-06	1.4E-06	1.9E-06	2.4E-06	1.4E-06	3.3E-06	3.6E-06	2.3E-06	5.6E-05	5.8E-05	9.3E-05
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.6E-10	1.7E-10	1.6E-10	1.7E-10	1.6E-10	1.7E-10						
1,4-DICHLOROBENZENE	4.0E-10	4.1E-10	3.9E-10	4.1E-10	4.0E-10	4.2E-10						
BAP EQUIVALENT-HALFND	7.1E-05	2.9E-05	1.5E-05	1.5E-05	3.2E-05	1.9E-05						
AROCLOR-1254	9.7E-08	9.7E-08	9.2E-08	9.9E-08	9.7E-08	1.0E-07	1.0E-06	1.0E-06	9.4E-07	2.0E-05	2.1E-05	5.4E-05
AROCLOR-1260	1.4E-06	9.7E-08	9.2E-08	9.9E-08	9.7E-08	1.0E-07	1.5E-05	1.7E-05	1.0E-05	2.6E-04	2.7E-04	4.1E-04
ANTIMONY												
ARSENIC	2.8E-06	2.7E-06	3.1E-06	6.3E-06	4.6E-06	2.3E-06						
CADMIUM	4.1E-11	1.5E-11	6.4E-12	2.0E-12	1.7E-12	2.7E-12						
COBALT	1.9E-09	1.3E-09	2.6E-09	1.8E-09	1.7E-09	2.1E-09						
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL	1.6E-10	1.4E-10	1.7E-10	9.8E-11	1.1E-10	1.3E-10						
VANADIUM												
HEXAVALENT CHROMIUM	4.7E-06	4.9E-06	3.8E-06	4.7E-06	4.3E-06	3.1E-06						
TOTAL CANCER RISK	8.0E-05	3.7E-05	2.3E-05	2.6E-05	4.2E-05	2.4E-05	1.6E-05	1.8E-05	1.1E-05	2.8E-04	2.9E-04	4.6E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-527	SB-528	SB-529	SB-530	SB-531	SB-532	SB-533	SB-534	SB-535	SB-536	SB-537	SB-538
SAMPLE ID	SB-527-0001	SB-528-0001	SB-529-0001	SB-530-0001	SB-531-0001	SB-532-0001	SB-533-0001	SB-534-0001	SB-535-0001	SB-536-0001	SB-537-0001	SB-538-0001
SAMPLE DATE	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	3.6E-06	2.1E-06	1.0E-04	4.4E-05	1.9E-05	2.1E-07	4.4E-06	4.8E-06	9.5E-07	1.3E-05	1.2E-06	4.4E-07
AROCLOR-1260	6.2E-05	3.4E-05	1.5E-03	6.9E-04	1.9E-04	2.1E-06	5.3E-05	4.9E-05	6.0E-06	7.7E-05	1.0E-05	4.5E-06
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.5E-05	3.6E-05	1.6E-03	7.3E-04	2.1E-04	2.3E-06	5.7E-05	5.4E-05	6.9E-06	9.0E-05	1.1E-05	4.9E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.8E-05	1.1E-05	5.0E-04	2.2E-04	9.4E-05	1.1E-06	2.2E-05	2.4E-05	4.7E-06	6.4E-05	6.2E-06	2.2E-06
AROCLOR-1260	3.1E-04	1.7E-04	7.4E-03	3.4E-03	9.4E-04	1.0E-05	2.6E-04	2.4E-04	3.0E-05	3.8E-04	5.0E-05	2.2E-05
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.2E-04	1.8E-04	7.9E-03	3.6E-03	1.0E-03	1.1E-05	2.8E-04	2.7E-04	3.4E-05	4.5E-04	5.6E-05	2.4E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-539	SB-818	SB-819	SB-820	SB-821	SB-822	SB-823	SB-824	SB-825	SB-827	SB-828	SB-829
SAMPLE ID	SB-539-0001	E-SB-818-SS	E-SB-819-SS	E-SB-820-SS	E-SB-821-SS	E-SB-822-SS	E-SB-823-SS	E-SB-824-SS	E-SB-825-SS	E-SB-827-SS	E-SB-828-SS	E-SB-829-SS
SAMPLE DATE	20071204	20100915	20100915	20100915	20100916	20100915	20100915	20100915	20100913	20100916	20100916	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	2.1E-06	9.5E-09	9.0E-09	9.5E-09	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	1.8E-05	9.5E-09	9.0E-09	9.5E-09	2.1E-08	1.0E-08	3.8E-08	9.5E-09	1.0E-08	3.4E-08	3.5E-08	1.0E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-05	1.9E-08	1.8E-08	1.9E-08	3.1E-08	2.0E-08	4.8E-08	1.9E-08	2.0E-08	4.4E-08	4.5E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.1E-05	4.7E-08	4.5E-08	4.7E-08	5.0E-08	5.0E-08	5.2E-08	4.7E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08
AROCLOR-1260	8.9E-05	4.7E-08	4.5E-08	4.7E-08	1.0E-07	5.0E-08	1.9E-07	4.7E-08	5.0E-08	1.7E-07	1.7E-07	5.0E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.0E-04	9.4E-08	8.9E-08	9.4E-08	1.5E-07	9.9E-08	2.4E-07	9.4E-08	9.9E-08	2.2E-07	2.2E-07	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-830	SB-831	SB-832	SB-833	SB-833A	SB-833B	SB-833C	SB-833D	SB-833E	SB-833F	SB-833G	SB-833H
SAMPLE ID	E-SB-830-SS	E-SB-831-SS	E-SB-832-SS	E-SB-833-SS	E-SB-833A-	E-SB-833B-	E-SB-833C-	E-SB-833D-	E-SB-833E-	E-SB-833F-	E-SB-833G-	E-SB-833H-
SAMPLE DATE	20100914	20100913	20100917	20100916	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH					2	2	2	2	2	2	2	2
BOTTOM DEPTH	1	1	1	1	2	2	2	2	2	2	2	2
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE					1.3E-12	9.9E-10	3.9E-12	1.8E-12	1.3E-06	8.5E-09	2.4E-12	3.9E-12
1,4-DICHLOROBENZENE					2.2E-11	7.7E-10	1.6E-11	1.7E-11	9.6E-08	2.7E-09	8.3E-11	1.9E-11
BAP EQUIVALENT-HALFND					2.4E-07	6.9E-09	6.8E-09	2.4E-08	6.9E-09	6.9E-09	6.8E-09	6.4E-09
AROCLOR-1254	9.5E-09	9.5E-09	4.5E-08	1.1E-08	9.0E-09	2.0E-07	1.0E-08	1.0E-08	1.0E-05	1.0E-06	1.0E-08	9.5E-09
AROCLOR-1260	9.5E-09	9.5E-09	6.9E-07	1.1E-08	2.2E-07	1.7E-06	8.2E-08	1.0E-08	3.6E-04	2.5E-05	5.7E-08	2.3E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.9E-08	1.9E-08	7.3E-07	2.2E-08	4.7E-07	1.9E-06	9.8E-08	4.5E-08	3.7E-04	2.6E-05	7.4E-08	3.9E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE					9.9E-12	7.7E-09	3.0E-11	1.4E-11	9.9E-06	6.6E-08	1.9E-11	3.0E-11
1,4-DICHLOROBENZENE					4.7E-11	1.6E-09	3.4E-11	3.6E-11	2.0E-07	5.7E-09	1.8E-10	4.0E-11
BAP EQUIVALENT-HALFND					5.3E-06	1.5E-07	1.5E-07	5.3E-07	1.5E-07	1.5E-07	1.5E-07	1.4E-07
AROCLOR-1254	4.7E-08	4.7E-08	2.3E-07	5.4E-08	4.5E-08	1.0E-06	5.0E-08	5.2E-08	5.0E-05	5.2E-06	5.0E-08	4.7E-08
AROCLOR-1260	4.7E-08	4.7E-08	3.4E-06	5.4E-08	1.1E-06	8.4E-06	4.1E-07	5.2E-08	1.8E-03	1.2E-04	2.8E-07	1.1E-07
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.4E-08	9.4E-08	3.6E-06	1.1E-07	6.4E-06	9.6E-06	6.0E-07	6.3E-07	1.8E-03	1.3E-04	4.8E-07	3.0E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833J	SB-833K	SB-833L	SB-833M	SB-833N	SB-834	SB-835	SB-836	SB-837	SB-838	SB-839	SB-840
SAMPLE ID	E-SB-833J-20101013	E-SB-833K-20101013	E-SB-833L-20101013	E-SB-833M-20101013	E-SB-833N-20101014	E-SB-834-SS 20100916	E-SB-835-SS 20100917	E-SB-836-SS 20100917	E-SB-837-SS 20100917	E-SB-838-SS 20100913	E-SB-839-SS 20100914	E-SB-840-SS 20100914
SAMPLE DATE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	2	2	2	2	2							
TOP DEPTH	2	2	2	2	2	1	1	1	1	1	1	1
BOTTOM DEPTH												
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.8E-09	1.5E-06	1.1E-08	3.3E-10	7.8E-13							
1,4-DICHLOROBENZENE	7.7E-10	1.7E-07	2.4E-09	1.9E-11	1.7E-11							
BAP EQUIVALENT-HALFND	6.8E-09	6.2E-06	6.8E-09	6.8E-09	6.8E-08							
AROCLOR-1254	1.0E-07	1.9E-05	1.0E-08	1.0E-07	1.0E-08	9.5E-09	1.0E-07	1.0E-08	9.5E-09	9.5E-09	2.6E-06	9.0E-09
AROCLOR-1260	3.0E-06	6.8E-04	2.6E-08	1.3E-06	3.1E-08	9.5E-09	9.1E-07	1.3E-07	2.6E-08	9.5E-09	4.1E-05	1.2E-07
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.1E-06	7.0E-04	5.6E-08	1.4E-06	1.1E-07	1.9E-08	1.0E-06	1.4E-07	3.5E-08	1.9E-08	4.3E-05	1.3E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.4E-08	1.2E-05	8.8E-08	2.6E-09	6.1E-12							
1,4-DICHLOROBENZENE	1.6E-09	3.7E-07	5.2E-09	4.0E-11	3.6E-11							
BAP EQUIVALENT-HALFND	1.5E-07	1.3E-04	1.5E-07	1.5E-07	1.5E-06							
AROCLOR-1254	5.0E-07	9.7E-05	5.0E-08	5.0E-07	5.0E-08	4.7E-08	5.0E-07	5.0E-08	4.7E-08	4.7E-08	1.3E-05	4.5E-08
AROCLOR-1260	1.5E-05	3.4E-03	1.3E-07	6.4E-06	1.5E-07	4.7E-08	4.5E-06	6.4E-07	1.3E-07	4.7E-08	2.0E-04	5.9E-07
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.6E-05	3.6E-03	4.2E-07	7.1E-06	1.7E-06	9.4E-08	5.0E-06	6.9E-07	1.8E-07	9.4E-08	2.2E-04	6.4E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-841	SB-842	SB-843	SB-844	SB-845	SB-846	SB-847
SAMPLE ID	E-SB-841-SS	E-SB-842-SS	E-SB-843-SS	E-SB-844-SS	E-SB-845-SS	E-SB-846-SS	E-SB-847-SS
SAMPLE DATE	20100914	20100913	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH							
BOTTOM DEPTH	1	1	1	1	1	1	1
INDUSTRIAL							
1,2,3-TRICHLOROBENZENE							
1,2,4-TRICHLOROBENZENE							
1,4-DICHLOROBENZENE							
BAP EQUIVALENT-HALFND							
AROCLOR-1254	9.0E-07	9.5E-09	9.5E-09	9.5E-08	4.5E-06	9.5E-09	9.0E-09
AROCLOR-1260	2.5E-05	9.5E-09	9.5E-09	2.3E-06	3.7E-05	5.3E-08	6.4E-08
ANTIMONY							
ARSENIC							
CADMIUM							
COBALT							
IRON							
LEAD							
MANGANESE							
MERCURY							
MOLYBDENUM							
NICKEL							
VANADIUM							
HEXAVALENT CHROMIUM							
TOTAL CANCER RISK	2.6E-05	1.9E-08	1.9E-08	2.4E-06	4.1E-05	6.2E-08	7.3E-08
RESIDENTIAL							
1,2,3-TRICHLOROBENZENE							
1,2,4-TRICHLOROBENZENE							
1,4-DICHLOROBENZENE							
BAP EQUIVALENT-HALFND							
AROCLOR-1254	4.5E-06	4.7E-08	4.7E-08	4.7E-07	2.3E-05	4.7E-08	4.5E-08
AROCLOR-1260	1.2E-04	4.7E-08	4.7E-08	1.1E-05	1.8E-04	2.6E-07	3.2E-07
ANTIMONY							
ARSENIC							
CADMIUM							
COBALT							
IRON							
LEAD							
MANGANESE							
MERCURY							
MOLYBDENUM							
NICKEL							
VANADIUM							
HEXAVALENT CHROMIUM							
TOTAL CANCER RISK	1.3E-04	9.4E-08	9.4E-08	1.2E-05	2.1E-04	3.1E-07	3.6E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-005	SB-006	SB-540	SB-541	SB-541	SB-541	SB-541A	SB-541A	SB-541A	SB-542	SB-542	SB-542
SAMPLE ID	SB-5A-SS	SB-6A-SS	SB-540-0001	SB-541-2	SB-541-SS0.5-	SB-541-SS0-0.	SB-541A-SS[S.	SB-541A-SS0.5	SB-541A-SS0-0	SB-542-2	SB-542-SS0.5-	SB-542-SS0-0.
SAMPLE DATE	20040917	20040917	20071204	20081023	20081023	20081023	20081111	20081111	20081111	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH				2	0.5			0.5		2	0.5	
BOTTOM DEPTH			1	2	1	0.5		1	0.5	2	1	0.5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	2.6E-06	2.6E-06										
1,2,4-TRICHLOROBENZENE	8.6E-06	8.6E-06										
1,4-DICHLOROBENZENE	8.9E-08	8.9E-08										
BAP EQUIVALENT-HALFND												
AROCLOR-1254	9.8E-03	1.0E-02	1.4E-02	7.0E-04	7.0E-04	7.0E-04	3.1E-03	7.3E-04	7.3E-04	6.6E-04	6.6E-04	7.0E-04
AROCLOR-1260												
ANTIMONY	3.2E-03	3.2E-03										
ARSENIC	2.5E-03	3.9E-03										
CADMIUM	1.7E-03	1.7E-03										
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY	2.6E-04	2.6E-04										
MOLYBDENUM												
NICKEL	3.8E-04	5.9E-04										
VANADIUM												
HEXAVALENT CHROMIUM	1.5E-03	5.1E-04										
TOTAL HAZARD INDEX	1.9E-02	2.0E-02	1.4E-02	7.0E-04	7.0E-04	7.0E-04	3.1E-03	7.3E-04	7.3E-04	6.6E-04	6.6E-04	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	5.2E-05	5.2E-05										
1,2,4-TRICHLOROBENZENE	3.9E-05	3.9E-05										
1,4-DICHLOROBENZENE	8.4E-07	8.4E-07										
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.2E-01	1.3E-01	1.8E-01	8.9E-03	8.9E-03	8.9E-03	4.0E-02	9.3E-03	9.3E-03	8.5E-03	8.5E-03	8.9E-03
AROCLOR-1260												
ANTIMONY	5.3E-02	5.3E-02										
ARSENIC	5.1E-02	7.9E-02										
CADMIUM	3.8E-02	3.8E-02										
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY	3.3E-03	3.3E-03										
MOLYBDENUM												
NICKEL	3.9E-03	6.1E-03										
VANADIUM												
HEXAVALENT CHROMIUM	1.3E-02	4.5E-03										
TOTAL HAZARD INDEX	2.9E-01	3.1E-01	1.8E-01	8.9E-03	8.9E-03	8.9E-03	4.0E-02	9.3E-03	9.3E-03	8.5E-03	8.5E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-543	SB-543	SB-543	SB-543A	SB-543A	SB-543A	SB-543A	SB-544	SB-544	SB-544	SB-544A	SB-544A
SAMPLE ID	SB-543-2	SB-543-SS0.5-	SB-543-SS0-0.5	SB-543A-2	SB-543A-SS[S..	SB-543A-SS0.5	SB-543A-SS0-0	SB-544-2	SB-544-SS0.5-	SB-544-SS0-0.5	SB-544A-SS[S..	SB-544A-SS0.5-
SAMPLE DATE	20081023	20081023	20081023	20081111	20081111	20081111	20081111	20081023	20081023	20081023	20081111	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	2	0.5		2		0.5		2	0.5			0.5
BOTTOM DEPTH	2	1	0.5	2		1	0.5	2	1	0.5		1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	7.0E-04	6.6E-04	6.6E-04	7.0E-04	6.3E-03	6.6E-04	7.0E-04	7.0E-04	7.0E-04	6.6E-04	5.9E-04	7.0E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.0E-04	6.6E-04	6.6E-04	7.0E-04	6.3E-03	6.6E-04	7.0E-04	7.0E-04	7.0E-04	6.6E-04	5.9E-04	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.9E-03	8.5E-03	8.5E-03	8.9E-03	8.0E-02	8.5E-03	8.9E-03	8.9E-03	8.9E-03	8.5E-03	7.6E-03	8.9E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.9E-03	8.5E-03	8.5E-03	8.9E-03	8.0E-02	8.5E-03	8.9E-03	8.9E-03	8.9E-03	8.5E-03	7.6E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-544A	SB-545	SB-545	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546	SB-546
SAMPLE ID	B-544A-SS0-0	SB-545-SS0.5-	SB-545-SS0-0.5	SB-546-2	SB-546-2-AVG	SB-546-2-D	B-546-SS0.5-	546-SS0.5-1-A	B-546-SS0.5-1	B-546-SS0-0.5	546-SS0-0.5-A	B-546-SS0-0.5
SAMPLE DATE	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		0.5		2	2	2	0.5	0.5	0.5			
BOTTOM DEPTH	0.5	1	0.5	2	2	2	1	1	1	0.5	0.5	0.5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	6.6E-04	7.3E-04	7.0E-04	7.0E-04	6.8E-04	6.6E-04	6.3E-04	6.4E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.6E-04	7.3E-04	7.0E-04	7.0E-04	6.8E-04	6.6E-04	6.3E-04	6.4E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.5E-03	9.3E-03	8.9E-03	8.9E-03	8.7E-03	8.5E-03	8.0E-03	8.2E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.5E-03	9.3E-03	8.9E-03	8.9E-03	8.7E-03	8.5E-03	8.0E-03	8.2E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-546A	SB-546A	SB-546A	SB-547	SB-547	SB-547	SB-548	SB-548	SB-548	SB-548	SB-548	SB-548
SAMPLE ID	SB-546A-SS[S	SB-546A-SS0.5	SB-546A-SS0-0	SB-547-2	SB-547-SS0.5-	SB-547-SS0-0.5	SB-548-2	SB-548-2-AVG	SB-548-2-D	SB-548-SS0.5-	548-SS0.5-1-A	B-548-SS0.5-1
SAMPLE DATE	20081111	20081111	20081111	20081021	20081021	20081021	20081023	20081023	20081023	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		0.5		2	0.5		2	2	2	0.5	0.5	0.5
BOTTOM DEPTH		1	0.5	2	1	0.5	2	2	2	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	6.3E-04	7.0E-04	3.2E-02	6.6E-04	6.3E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.3E-04	7.0E-04	3.2E-02	6.6E-04	6.3E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04	6.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.0E-03	8.9E-03	4.1E-01	8.5E-03	8.0E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.0E-03	8.9E-03	4.1E-01	8.5E-03	8.0E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-548	SB-548	SB-548	SB-549	SB-549	SB-549	SB-549	SB-549	SB-550	SB-550	SB-550	SB-550A
SAMPLE ID	SB-548-SS0-0.5	548-SS0-0.5-A	B-548-SS0-0.5	SB-549-2	SB-549-2-AVG	SB-549-2-D	B-549-SS0.5-	B-549-SS0-0.5	SB-550-2	B-550-SS0.5-	B-550-SS0-0.5	SB-550A-2
SAMPLE DATE	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081023	20081111
SAMPLE CODE	ORIG	AVG	DUP	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH				2	2	2	0.5		2	0.5		2
BOTTOM DEPTH	0.5	0.5	0.5	2	2	2	1	0.5	2	1	0.5	2
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	6.6E-04	6.6E-04	6.6E-04	7.0E-04	6.8E-04	6.6E-04	7.0E-04	6.6E-04	7.0E-04	7.0E-04	6.6E-04	7.0E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.6E-04	6.6E-04	6.6E-04	7.0E-04	6.8E-04	6.6E-04	7.0E-04	6.6E-04	7.0E-04	7.0E-04	6.6E-04	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.5E-03	8.5E-03	8.5E-03	8.9E-03	8.7E-03	8.5E-03	8.9E-03	8.5E-03	8.9E-03	8.9E-03	8.5E-03	8.9E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.5E-03	8.5E-03	8.5E-03	8.9E-03	8.7E-03	8.5E-03	8.9E-03	8.5E-03	8.9E-03	8.9E-03	8.5E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-550A	SB-550A	SB-550A	SB-551	SB-551	SB-551	SB-552	SB-552	SB-552	SB-553	SB-553	SB-554
SAMPLE ID	SB-550A-SS[S	SB-550A-SS0.5	SB-550A-SS0-0	SB-551-2	SB-551-SS0.5-	SB-551-SS0-0.5	SB-552-2	SB-552-SS0.5-	SB-552-SS0-0.5	SB-553-2	SB-553-SS0.5-	SB-554-2
SAMPLE DATE	20081111	20081111	20081111	20081023	20081023	20081023	20081023	20081023	20081023	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		0.5		2	0.5		2	0.5		2	0.5	2
BOTTOM DEPTH		1	0.5	2	1	0.5	2	1	0.5	2	1	2
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	5.9E-04	7.0E-04	7.0E-04	7.3E-04	7.0E-04	6.3E-04	7.0E-04	6.6E-04	6.6E-04	7.0E-04	6.6E-04	6.6E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	5.9E-04	7.0E-04	7.0E-04	7.3E-04	7.0E-04	6.3E-04	7.0E-04	6.6E-04	6.6E-04	7.0E-04	6.6E-04	6.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	7.6E-03	8.9E-03	8.9E-03	9.3E-03	8.9E-03	8.0E-03	8.9E-03	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.5E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.6E-03	8.9E-03	8.9E-03	9.3E-03	8.9E-03	8.0E-03	8.9E-03	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-554	SB-555	SB-555	SB-555	SB-556	SB-556	SB-556	SB-557	SB-557	SB-557	SB-558	SB-558
SAMPLE ID	SB-554-SS0.5-	SB-555-2	SB-555-SS0.5-	SB-555-SS0-0.	SB-556-2	SB-556-SS0.5-	SB-556-SS0-0.	SB-557-2	SB-557-SS0.5-	SB-557-SS0-0.	SB-558-2	SB-558-SS0.5-
SAMPLE DATE	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	0.5	2	0.5		2	0.5		2	0.5		2	0.5
BOTTOM DEPTH	1	2	1	0.5	2	1	0.5	2	1	0.5	2	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	6.6E-04	3.3E-02	3.3E-01	2.5E+00		7.0E-04	6.3E-04	6.3E-04	6.3E-04	6.6E-04	3.6E-03	6.6E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.6E-04	3.3E-02	3.3E-01	2.5E+00		7.0E-04	6.3E-04	6.3E-04	6.3E-04	6.6E-04	3.6E-03	6.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.5E-03	4.2E-01	4.3E+00	3.2E+01		8.9E-03	8.0E-03	8.0E-03	8.0E-03	8.5E-03	4.5E-02	8.5E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.5E-03	4.2E-01	4.3E+00	3.2E+01		8.9E-03	8.0E-03	8.0E-03	8.0E-03	8.5E-03	4.5E-02	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-558	SB-559	SB-559	SB-559	SB-560	SB-560	SB-560	SB-561	SB-561	SB-561	SB-562	SB-562
SAMPLE ID	SB-558-SS0-0.	SB-559-2	SB-559-SS0.5-	SB-559-SS0-0.	SB-560-2	SB-560-SS0.5-	SB-560-SS0-0.	SB-561-2	SB-561-SS0.5-	SB-561-SS0-0.	SB-562-2	SB-562-SS0.5-
SAMPLE DATE	20081021	20081022	20081022	20081022	20081022	20081022	20081022	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		2	0.5		2	0.5		2	0.5		2	0.5
BOTTOM DEPTH	0.5	2	1	0.5	2	1	0.5	2	1	0.5	2	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	6.8E-03	6.3E-04	6.3E-04	6.3E-04	6.3E-04	6.3E-04	6.3E-04					
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.8E-03	6.3E-04	6.3E-04	6.3E-04	6.3E-04	6.3E-04	6.3E-04					
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.7E-02	8.0E-03	8.0E-03	8.0E-03	8.0E-03	8.0E-03	8.0E-03					
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.7E-02	8.0E-03	8.0E-03	8.0E-03	8.0E-03	8.0E-03	8.0E-03					

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-562	SB-563	SB-563	SB-563	SB-564	SB-564	SB-564	SB-565	SB-565	SB-565	SB-566	SB-566
SAMPLE ID	SB-562-SS0-0.	SB-563-2	SB-563-SS0.5-	SB-563-SS0-0.	SB-564-2	SB-564-SS0.5-	SB-564-SS0-0.	SB-565-2	SB-565-SS0.5-	SB-565-SS0-0.	SB-566-2	SB-566-SS0.5-
SAMPLE DATE	20081021	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		2	0.5		2	0.5		2	0.5		2	0.5
BOTTOM DEPTH	0.5	2	1	0.5	2	1	0.5	2	1	0.5	2	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254		6.6E-04	6.3E-04	6.6E-04	5.9E-04	6.3E-04	6.3E-04	3.4E-03	7.0E-04	6.6E-04	6.6E-04	6.3E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX		6.6E-04	6.3E-04	6.6E-04	5.9E-04	6.3E-04	6.3E-04	3.4E-03	7.0E-04	6.6E-04	6.6E-04	6.3E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254		8.5E-03	8.0E-03	8.5E-03	7.6E-03	8.0E-03	8.0E-03	4.3E-02	8.9E-03	8.5E-03	8.5E-03	8.0E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX		8.5E-03	8.0E-03	8.5E-03	7.6E-03	8.0E-03	8.0E-03	4.3E-02	8.9E-03	8.5E-03	8.5E-03	8.0E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-566	SB-567	SB-567	SB-567	SB-568	SB-568	SB-568	SB-569	SB-569	SB-569	SB-570	SB-570
SAMPLE ID	SB-566-SS0-0.	SB-567-2	SB-567-SS0.5-	SB-567-SS0-0.	SB-568-2	SB-568-SS0.5-	SB-568-SS0-0.	SB-569-2	SB-569-SS0.5-	SB-569-SS0-0.	SB-570-2	SB-570-SS0.5-
SAMPLE DATE	20081022	20081023	20081023	20081023	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		2	0.5		2	0.5		2	0.5		2	0.5
BOTTOM DEPTH	0.5	2	1	0.5	2	1	0.5	2	1	0.5	2	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	3.2E-03	6.6E-04	6.6E-04	6.3E-04	6.3E-04	3.2E-02	3.1E-01	7.0E-04	2.4E-02	6.6E-01	6.3E-04	6.3E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	3.2E-03	6.6E-04	6.6E-04	6.3E-04	6.3E-04	3.2E-02	3.1E-01	7.0E-04	2.4E-02	6.6E-01	6.3E-04	6.3E-03
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	4.1E-02	8.5E-03	8.5E-03	8.0E-03	8.0E-03	4.0E-01	4.0E+00	8.9E-03	3.1E-01	8.5E+00	8.0E-03	8.0E-02
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	4.1E-02	8.5E-03	8.5E-03	8.0E-03	8.0E-03	4.0E-01	4.0E+00	8.9E-03	3.1E-01	8.5E+00	8.0E-03	8.0E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-570	SB-571	SB-571	SB-571	SB-001	SB-002	SB-003	SB-004	SB-004	SB-035	SB-036	SB-041
SAMPLE ID	SB-570-SS0-0.5	SB-571-2	SB-571-SS0.5-1	SB-571-SS0-0.5	SB-1A-SS	SB-2A-01	SB-3A-SS	SB-04B-01	SB-4A-SS	SB-35-SS	SB-36-SS	SB-41S-SS
SAMPLE DATE	20081022	20081023	20081023	20081023	20040921	20040920	20040920	20050512	20040921	20040917	20040917	20041105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH		2	0.5			1		1				
BOTTOM DEPTH	0.5	2	1	0.5		1		1				
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE					2.6E-06	2.6E-06	2.1E-06		3.8E-05	2.6E-06	2.6E-06	
1,2,4-TRICHLOROBENZENE					8.6E-06	8.6E-06	7.1E-06		4.0E-04	8.6E-06	8.6E-06	
1,4-DICHLOROBENZENE					8.9E-08	8.9E-08	7.4E-08		8.9E-08	8.9E-08	8.9E-08	
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.3E-02	6.6E-04	6.3E-04	6.3E-04	9.8E-03	1.0E-02	9.4E-03	1.3E-03	2.0E+00	9.8E-03	1.0E-02	
AROCLOR-1260												
ANTIMONY					3.2E-03	3.3E-03	2.8E-03		3.1E-03	2.9E-03	3.3E-03	
ARSENIC					2.5E-03	2.2E-03	3.4E-03		3.4E-03	2.1E-03	2.7E-03	
CADMIUM					1.7E-03	1.8E-03	1.5E-03		1.7E-03	1.6E-03	1.8E-03	
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY					2.6E-04	2.6E-04	2.3E-04		5.7E-04	2.4E-04	2.8E-04	
MOLYBDENUM												
NICKEL					6.9E-04	7.9E-04	2.1E-03		1.5E-03	4.6E-04	1.1E-03	
VANADIUM												
HEXAVALENT CHROMIUM					9.7E-04	5.1E-04	7.7E-04		9.2E-04	3.4E-04	7.7E-04	
TOTAL HAZARD INDEX	1.3E-02	6.6E-04	6.3E-04	6.3E-04	1.9E-02	1.9E-02	2.0E-02	1.3E-03	2.0E+00	1.7E-02	2.0E-02	
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE					5.2E-05	5.2E-05	4.3E-05		7.8E-04	5.2E-05	5.2E-05	
1,2,4-TRICHLOROBENZENE					3.9E-05	3.9E-05	3.3E-05		1.8E-03	3.9E-05	3.9E-05	
1,4-DICHLOROBENZENE					8.4E-07	8.4E-07	7.0E-07		8.4E-07	8.4E-07	8.4E-07	
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.6E-01	8.5E-03	8.0E-03	8.0E-03	1.2E-01	1.3E-01	1.2E-01	1.7E-02	2.6E+01	1.2E-01	1.3E-01	
AROCLOR-1260												
ANTIMONY					5.3E-02	5.5E-02	4.6E-02		5.1E-02	4.7E-02	5.5E-02	
ARSENIC					5.1E-02	4.5E-02	6.9E-02		6.9E-02	4.3E-02	5.5E-02	
CADMIUM					3.8E-02	3.9E-02	3.2E-02		3.6E-02	3.4E-02	3.9E-02	
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY					3.3E-03	3.3E-03	2.9E-03		7.2E-03	3.0E-03	3.6E-03	
MOLYBDENUM												
NICKEL					7.1E-03	8.2E-03	2.2E-02		1.5E-02	4.7E-03	1.1E-02	
VANADIUM												
HEXAVALENT CHROMIUM					8.6E-03	4.5E-03	6.8E-03		8.1E-03	3.0E-03	6.8E-03	
TOTAL HAZARD INDEX	1.6E-01	8.5E-03	8.0E-03	8.0E-03	2.9E-01	2.8E-01	3.0E-01	1.7E-02	2.6E+01	2.6E-01	3.0E-01	

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-042	SB-169	SB-232	SB-232	SB-233	SB-233	SB-234	SB-234	SB-235	SB-235	SB-345	SB-346
SAMPLE ID	SB-42S-SS	SB-169-SS	SB-232-01	SB-232-SS	SB-233-01	SB-233-SS	SB-234-01	SB-234-SS	SB-235-01	SB-235-SS	SB-345-0001	SB-346-0001
SAMPLE DATE	20041105	20041105	20050512	20050512	20050512	20050512	20050512	20050512	20050512	20050512	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH			1		1		1		1			
BOTTOM DEPTH			1		1		1		1		1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254			1.4E-03	1.3E-03	1.4E-03	1.3E-03	1.4E-03	1.3E-03	1.3E-03	1.3E-03	1.2E-03	1.4E-02
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX			1.4E-03	1.3E-03	1.4E-03	1.3E-03	1.4E-03	1.3E-03	1.3E-03	1.3E-03	1.2E-03	1.4E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254			1.7E-02	1.6E-02	1.7E-02	1.6E-02	1.7E-02	1.6E-02	1.6E-02	1.6E-02	1.6E-02	1.7E-01
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX			1.7E-02	1.6E-02	1.7E-02	1.6E-02	1.7E-02	1.6E-02	1.6E-02	1.6E-02	1.6E-02	1.7E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-347	SB-348	SB-349	SB-350	SB-351	SB-352	SB-353	SB-354	SB-355	SB-356	SB-357	SB-358
SAMPLE ID	SB-347-0001	SB-348-0001	SB-349-0001	SB-350-0001	SB-351-0001	SB-352-0001	SB-353-0001	SB-354-0001	SB-355-0001	SB-356-0001	SB-357-0001	SB-358-0001
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102	20071102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	7.3E-02	1.5E-01	1.5E-01	2.9E-01	1.4E-01	9.8E-02	2.6E+01	2.9E+00	7.3E-01	1.6E-01	7.3E-02	1.4E-01
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.3E-02	1.5E-01	1.5E-01	2.9E-01	1.4E-01	9.8E-02	2.6E+01	2.9E+00	7.3E-01	1.6E-01	7.3E-02	1.4E-01
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	9.3E-01	1.9E+00	2.0E+00	3.6E+00	1.8E+00	1.2E+00	3.3E+02	3.7E+01	9.3E+00	2.0E+00	9.3E-01	1.7E+00
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.3E-01	1.9E+00	2.0E+00	3.6E+00	1.8E+00	1.2E+00	3.3E+02	3.7E+01	9.3E+00	2.0E+00	9.3E-01	1.7E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-359	SB-360	SB-361	SB-362	SB-363	SB-364	SB-500	SB-501	SB-502	SB-503	SB-503	SB-503
SAMPLE ID	SB-359-0001	SB-360-0001	SB-361-0001	SB-362-0001	SB-363-0001	SB-364-0001	SB-500-0001	SB-501-0001	SB-502-0001	SB-503-0001	B-503-0001-AV	SB-503-0001-D
SAMPLE DATE	20071102	20071102	20071102	20071102	20071102	20071102	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE							2.4E-06	2.5E-06	2.8E-07	2.5E-06	2.6E-06	2.8E-06
1,2,4-TRICHLOROBENZENE							1.1E-06	8.3E-06	4.4E-06	1.4E-06	5.3E-06	9.3E-06
1,4-DICHLOROBENZENE							8.4E-08	8.6E-08	8.7E-08	8.6E-08	9.1E-08	9.6E-08
BAP EQUIVALENT-HALFND												
AROCLOR-1254	2.6E-02	1.4E-01	1.3E+00	2.8E-02	1.5E-01	7.3E-02	1.3E-03	2.6E-01	1.4E-02	1.4E-02	7.5E-03	1.5E-03
AROCLOR-1260												
ANTIMONY							1.8E-04	1.3E-03	1.4E-04	5.1E-03	3.1E-03	1.1E-03
ARSENIC							3.0E-03	7.8E-03	4.1E-03	5.9E-03	5.6E-03	5.2E-03
CADMIUM							2.5E-04	2.5E-04	2.4E-04	1.9E-03	1.4E-03	1.0E-03
COBALT							5.0E-03	8.9E-03	4.1E-03	9.3E-03	7.5E-03	5.8E-03
IRON							1.0E-02	1.1E-02	4.4E-03	1.1E-02	8.4E-03	6.3E-03
LEAD												
MANGANESE							4.3E-03	4.7E-03	7.3E-03	1.2E-01	7.0E-02	1.8E-02
MERCURY							4.5E-05	2.9E-04	4.7E-05	4.5E-05	6.1E-04	1.2E-03
MOLYBDENUM							1.9E-05	2.3E-05	1.2E-05	6.5E-05	4.2E-05	1.8E-05
NICKEL							5.1E-04	7.1E-04	6.1E-04	1.2E-03	9.3E-04	7.0E-04
VANADIUM							1.5E-03	2.3E-03	1.4E-03	5.9E-03	4.7E-03	3.5E-03
HEXAVALENT CHROMIUM							5.1E-04	7.1E-04	4.3E-04	1.7E-03	1.3E-03	9.2E-04
TOTAL HAZARD INDEX	2.6E-02	1.4E-01	1.3E+00	2.8E-02	1.5E-01	7.3E-02	2.7E-02	3.0E-01	3.6E-02	1.8E-01	1.1E-01	4.6E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE							4.9E-05	5.0E-05	5.6E-06	5.0E-05	5.3E-05	5.6E-05
1,2,4-TRICHLOROBENZENE							5.0E-06	3.8E-05	2.0E-05	6.5E-06	2.5E-05	4.3E-05
1,4-DICHLOROBENZENE							8.0E-07	8.2E-07	8.3E-07	8.2E-07	8.7E-07	9.1E-07
BAP EQUIVALENT-HALFND												
AROCLOR-1254	3.3E-01	1.7E+00	1.7E+01	3.6E-01	2.0E+00	9.3E-01	1.6E-02	3.4E+00	1.7E-01	1.7E-01	9.6E-02	1.9E-02
AROCLOR-1260												
ANTIMONY							3.0E-03	2.1E-02	2.3E-03	8.3E-02	5.1E-02	1.9E-02
ARSENIC							6.0E-02	1.6E-01	8.3E-02	1.2E-01	1.1E-01	1.1E-01
CADMIUM							5.4E-03	5.4E-03	5.1E-03	4.1E-02	3.1E-02	2.2E-02
COBALT							1.2E-01	2.1E-01	9.6E-02	2.2E-01	1.8E-01	1.4E-01
IRON							2.5E-01	2.6E-01	1.1E-01	2.5E-01	2.0E-01	1.5E-01
LEAD												
MANGANESE							4.4E-02	4.8E-02	7.4E-02	1.2E+00	7.2E-01	1.9E-01
MERCURY							5.7E-04	3.6E-03	6.0E-04	5.7E-04	7.7E-03	1.5E-02
MOLYBDENUM							4.5E-04	5.5E-04	2.9E-04	1.6E-03	9.9E-04	4.3E-04
NICKEL							5.2E-03	7.3E-03	6.3E-03	1.2E-02	9.6E-03	7.2E-03
VANADIUM							3.5E-02	5.5E-02	3.3E-02	1.4E-01	1.1E-01	8.4E-02
HEXAVALENT CHROMIUM							4.5E-03	6.2E-03	3.8E-03	1.5E-02	1.2E-02	8.1E-03
TOTAL HAZARD INDEX	3.3E-01	1.7E+00	1.7E+01	3.6E-01	2.0E+00	9.3E-01	5.4E-01	4.2E+00	5.8E-01	2.3E+00	1.5E+00	7.5E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-504	SB-505	SB-506	SB-506	SB-506	SB-507	SB-508	SB-509	SB-510	SB-511	SB-512	SB-513
SAMPLE ID	SB-504-0001	SB-505-0001	SB-506-0001	B-506-0001-AV	SB-506-0001-D	SB-507-0001	SB-508-0001	SB-509-0001	SB-510-0001	SB-511-0001	SB-512-0001	SB-513-0001
SAMPLE DATE	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071129	20071128	20071129	20071129	20071129
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	2.3E-06	2.6E-06	2.4E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.5E-06	2.4E-06	2.4E-06	2.4E-06	2.5E-06
1,2,4-TRICHLOROBENZENE	7.8E-06	8.6E-06	8.1E-06	8.2E-06	8.3E-06	8.3E-06	8.3E-06	8.3E-06	8.0E-06	8.1E-06	8.0E-06	8.3E-06
1,4-DICHLOROBENZENE	8.2E-08	8.9E-08	8.4E-08	8.5E-08	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.3E-08	8.4E-08	8.3E-08	8.6E-08
BAP EQUIVALENT-HALFND												
AROCLOR-1254	6.3E-03	7.0E-01	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.4E-03
AROCLOR-1260												
ANTIMONY	1.0E-04	2.0E-03	8.4E-05	7.6E-05	6.8E-05	1.5E-04	1.6E-04	7.1E-05	6.7E-04	5.3E-04	1.9E-04	4.1E-04
ARSENIC	1.2E-03	8.0E-03	4.1E-03	4.0E-03	3.9E-03	4.8E-03	5.7E-03	3.4E-03	2.2E-02	1.2E-03	3.4E-03	3.9E-03
CADMIUM	5.1E-04	8.0E-03	8.7E-06	1.6E-05	2.2E-05	1.4E-04	5.5E-05	7.5E-06	4.5E-05	3.6E-05	1.2E-04	1.4E-04
COBALT	8.5E-03	7.4E-03	3.9E-03	4.2E-03	4.5E-03	2.0E-02	5.1E-02	7.2E-03	7.2E-03	7.8E-03	6.9E-03	7.2E-03
IRON	1.6E-02	7.2E-03	1.1E-02	9.3E-03	7.8E-03	1.6E-02	1.1E-02	8.2E-03	1.1E-02	1.9E-02	1.0E-02	1.1E-02
LEAD												
MANGANESE	2.1E-02	1.0E-03	1.5E-02	9.7E-03	4.1E-03	1.2E-02	3.7E-03	2.4E-03	7.4E-03	4.8E-03	5.9E-03	1.1E-02
MERCURY	1.9E-03	6.1E-04	4.5E-05	4.5E-05	4.5E-05	1.4E-03	4.5E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05
MOLYBDENUM	4.3E-05	1.3E-04	1.7E-05	1.4E-05	1.1E-05	8.3E-06	3.2E-05	8.9E-06	3.5E-04	5.0E-06	1.7E-05	4.3E-06
NICKEL	7.3E-04	2.0E-03	4.3E-04	5.0E-04	5.7E-04	1.7E-03	9.6E-04	3.4E-04	1.2E-03	1.7E-03	9.2E-04	6.9E-04
VANADIUM	2.5E-03	6.7E-03	1.4E-03	1.5E-03	1.7E-03	1.9E-03	1.8E-03	1.3E-03	9.4E-04	2.3E-03	1.6E-03	1.2E-03
HEXAVALENT CHROMIUM	6.5E-04	4.3E-03	3.6E-04	4.4E-04	5.2E-04	5.7E-04	5.7E-04	3.2E-04	5.2E-04	7.9E-04	5.8E-04	6.5E-04
TOTAL HAZARD INDEX	6.0E-02	7.4E-01	3.8E-02	3.1E-02	2.5E-02	6.0E-02	7.6E-02	2.5E-02	5.2E-02	4.0E-02	3.1E-02	3.7E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	4.8E-05	5.2E-05	4.9E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	4.9E-05	4.9E-05	4.9E-05	5.0E-05
1,2,4-TRICHLOROBENZENE	3.6E-05	3.9E-05	3.7E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.7E-05	3.7E-05	3.7E-05	3.8E-05
1,4-DICHLOROBENZENE	7.7E-07	8.4E-07	8.0E-07	8.1E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	7.9E-07	8.0E-07	7.9E-07	8.2E-07
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.0E-02	8.9E+00	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.6E-02	1.7E-02	1.6E-02	1.7E-02
AROCLOR-1260												
ANTIMONY	1.7E-03	3.4E-02	1.4E-03	1.3E-03	1.1E-03	2.5E-03	2.7E-03	1.2E-03	1.1E-02	8.7E-03	3.1E-03	6.8E-03
ARSENIC	2.4E-02	1.6E-01	8.3E-02	8.1E-02	7.9E-02	9.7E-02	1.2E-01	6.9E-02	4.4E-01	2.4E-02	6.9E-02	7.9E-02
CADMIUM	1.1E-02	1.7E-01	1.9E-04	3.4E-04	4.9E-04	3.0E-03	1.2E-03	1.6E-04	9.7E-04	7.8E-04	2.5E-03	3.0E-03
COBALT	2.0E-01	1.8E-01	9.2E-02	9.9E-02	1.1E-01	4.7E-01	1.2E+00	1.7E-01	1.7E-01	1.8E-01	1.6E-01	1.7E-01
IRON	3.9E-01	1.7E-01	2.6E-01	2.2E-01	1.9E-01	3.8E-01	2.6E-01	2.0E-01	2.5E-01	4.6E-01	2.5E-01	2.6E-01
LEAD												
MANGANESE	2.1E-01	1.0E-02	1.6E-01	1.0E-01	4.2E-02	1.2E-01	3.8E-02	2.5E-02	7.6E-02	4.9E-02	6.1E-02	1.1E-01
MERCURY	2.4E-02	7.8E-03	5.7E-04	5.7E-04	5.7E-04	1.7E-02	5.7E-04	5.7E-04	5.7E-04	5.7E-04	5.7E-04	5.7E-04
MOLYBDENUM	1.0E-03	3.2E-03	3.9E-04	3.2E-04	2.5E-04	2.0E-04	7.6E-04	2.1E-04	8.4E-03	1.2E-04	4.1E-04	1.0E-04
NICKEL	7.5E-03	2.0E-02	4.5E-03	5.2E-03	5.9E-03	1.7E-02	9.9E-03	3.5E-03	1.2E-02	1.8E-02	9.5E-03	7.1E-03
VANADIUM	6.0E-02	1.6E-01	3.4E-02	3.7E-02	3.9E-02	4.5E-02	4.2E-02	3.0E-02	2.2E-02	5.4E-02	3.8E-02	2.8E-02
HEXAVALENT CHROMIUM	5.7E-03	3.8E-02	3.2E-03	3.9E-03	4.6E-03	5.1E-03	5.0E-03	2.8E-03	4.6E-03	7.0E-03	5.2E-03	5.7E-03
TOTAL HAZARD INDEX	1.0E+00	9.9E+00	6.5E-01	5.7E-01	4.8E-01	1.2E+00	1.7E+00	5.2E-01	1.0E+00	8.2E-01	6.2E-01	6.9E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-514	SB-515	SB-516	SB-517	SB-518	SB-519	SB-520	SB-521	SB-522	SB-523	SB-524	SB-525
SAMPLE ID	SB-514-0001	SB-515-0001	SB-516-0001	SB-517-0001	SB-518-0001	SB-519-0001	SB-520-0001	SB-521-0001	SB-522-0001	SB-523-0001	SB-524-0001	SB-525-0001
SAMPLE DATE	20071129	20071129	20071130	20071130	20071130	20071130	20071130	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	2.5E-06	2.5E-06	2.6E-06	2.4E-06	2.6E-06	2.5E-06	2.6E-06					
1,2,4-TRICHLOROBENZENE	8.3E-06	8.4E-06	8.6E-06	8.1E-06	8.6E-06	8.4E-06	8.8E-06					
1,4-DICHLOROBENZENE	8.6E-08	8.7E-08	8.9E-08	8.4E-08	8.9E-08	8.7E-08	9.2E-08					
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.3E-03	1.4E-03	1.4E-03	1.3E-03	1.4E-03	1.4E-03	1.4E-03	1.5E-02	1.4E-02	1.3E-02	2.8E-01	3.0E-01
AROCLOR-1260												
ANTIMONY	2.3E-04	6.7E-04	5.3E-04	4.1E-04	4.1E-04	2.8E-04	5.1E-04					
ARSENIC	3.4E-03	2.3E-03	2.1E-03	2.5E-03	5.0E-03	3.7E-03	1.9E-03					
CADMIUM	9.7E-04	5.6E-04	2.0E-04	8.7E-05	2.7E-05	2.4E-05	3.6E-05					
COBALT	3.3E-02	7.6E-03	5.2E-03	1.1E-02	7.2E-03	7.1E-03	8.5E-03					
IRON	1.3E-02	9.4E-03	1.3E-02	1.4E-02	2.4E-02	1.2E-02	1.4E-02					
LEAD												
MANGANESE	1.2E-02	1.4E-02	6.2E-03	5.8E-03	7.6E-03	6.7E-03	3.7E-03					
MERCURY	4.5E-05	3.4E-04	8.9E-04	4.5E-05	4.7E-05	4.7E-05	4.9E-05					
MOLYBDENUM	4.5E-06	5.2E-06	1.3E-05	6.6E-06	1.0E-05	8.9E-06	7.1E-05					
NICKEL	1.6E-03	1.3E-03	1.2E-03	1.4E-03	7.8E-04	8.6E-04	1.1E-03					
VANADIUM	2.1E-03	1.7E-03	2.2E-03	1.8E-03	1.9E-03	2.2E-03	1.3E-03					
HEXAVALENT CHROMIUM	8.1E-04	5.8E-04	6.0E-04	4.8E-04	5.9E-04	5.4E-04	3.8E-04					
TOTAL HAZARD INDEX	6.8E-02	3.9E-02	3.4E-02	3.8E-02	4.9E-02	3.4E-02	3.3E-02	1.5E-02	1.4E-02	1.3E-02	2.8E-01	3.0E-01
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	5.0E-05	5.1E-05	5.2E-05	4.9E-05	5.2E-05	5.1E-05	5.4E-05					
1,2,4-TRICHLOROBENZENE	3.8E-05	3.9E-05	3.9E-05	3.7E-05	3.9E-05	3.9E-05	4.1E-05					
1,4-DICHLOROBENZENE	8.2E-07	8.3E-07	8.4E-07	8.0E-07	8.4E-07	8.3E-07	8.7E-07					
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.7E-02	1.7E-02	1.7E-02	1.6E-02	1.8E-02	1.7E-02	1.8E-02	1.9E-01	1.8E-01	1.7E-01	3.5E+00	3.8E+00
AROCLOR-1260												
ANTIMONY	3.7E-03	1.1E-02	8.7E-03	6.8E-03	6.8E-03	4.6E-03	8.3E-03					
ARSENIC	6.9E-02	4.6E-02	4.3E-02	5.1E-02	1.0E-01	7.4E-02	3.8E-02					
CADMIUM	2.1E-02	1.2E-02	4.3E-03	1.9E-03	5.9E-04	5.1E-04	7.8E-04					
COBALT	7.7E-01	1.8E-01	1.2E-01	2.5E-01	1.7E-01	1.7E-01	2.0E-01					
IRON	3.0E-01	2.2E-01	3.1E-01	3.3E-01	5.6E-01	2.7E-01	3.3E-01					
LEAD												
MANGANESE	1.2E-01	1.4E-01	6.3E-02	6.0E-02	7.7E-02	6.8E-02	3.8E-02					
MERCURY	5.7E-04	4.3E-03	1.1E-02	5.7E-04	6.0E-04	6.0E-04	6.3E-04					
MOLYBDENUM	1.1E-04	1.2E-04	3.0E-04	1.6E-04	2.4E-04	2.1E-04	1.7E-03					
NICKEL	1.7E-02	1.3E-02	1.2E-02	1.4E-02	8.1E-03	8.8E-03	1.1E-02					
VANADIUM	4.9E-02	3.9E-02	5.3E-02	4.2E-02	4.6E-02	5.3E-02	3.2E-02					
HEXAVALENT CHROMIUM	7.1E-03	5.1E-03	5.3E-03	4.2E-03	5.2E-03	4.7E-03	3.4E-03					
TOTAL HAZARD INDEX	1.4E+00	6.9E-01	6.5E-01	7.8E-01	1.0E+00	6.7E-01	6.9E-01	1.9E-01	1.8E-01	1.7E-01	3.5E+00	3.8E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-526	SB-527	SB-528	SB-529	SB-530	SB-531	SB-532	SB-533	SB-534	SB-535	SB-536	SB-537
SAMPLE ID	SB-526-0001	SB-527-0001	SB-528-0001	SB-529-0001	SB-530-0001	SB-531-0001	SB-532-0001	SB-533-0001	SB-534-0001	SB-535-0001	SB-536-0001	SB-537-0001
SAMPLE DATE	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204	20071204
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	7.7E-01	2.5E-01	1.5E-01	7.0E+00	3.1E+00	1.3E+00	1.5E-02	3.1E-01	3.4E-01	6.6E-02	9.1E-01	8.7E-02
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.7E-01	2.5E-01	1.5E-01	7.0E+00	3.1E+00	1.3E+00	1.5E-02	3.1E-01	3.4E-01	6.6E-02	9.1E-01	8.7E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	9.8E+00	3.2E+00	1.9E+00	8.9E+01	4.0E+01	1.7E+01	1.9E-01	3.9E+00	4.3E+00	8.5E-01	1.2E+01	1.1E+00
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.8E+00	3.2E+00	1.9E+00	8.9E+01	4.0E+01	1.7E+01	1.9E-01	3.9E+00	4.3E+00	8.5E-01	1.2E+01	1.1E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-538	SB-539	SB-818	SB-819	SB-820	SB-821	SB-822	SB-823	SB-824	SB-825	SB-827	SB-828
SAMPLE ID	SB-538-0001	SB-539-0001	E-SB-818-SS	E-SB-819-SS	E-SB-820-SS	E-SB-821-SS	E-SB-822-SS	E-SB-823-SS	E-SB-824-SS	E-SB-825-SS	E-SB-827-SS	E-SB-828-SS
SAMPLE DATE	20071204	20071204	20100915	20100915	20100915	20100916	20100915	20100915	20100915	20100913	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	3.1E-02	1.5E-01	6.6E-04	6.3E-04	6.6E-04	7.0E-04	7.0E-04	7.3E-04	6.6E-04	7.0E-04	7.0E-04	7.0E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	3.1E-02	1.5E-01	6.6E-04	6.3E-04	6.6E-04	7.0E-04	7.0E-04	7.3E-04	6.6E-04	7.0E-04	7.0E-04	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	3.9E-01	1.9E+00	8.5E-03	8.0E-03	8.5E-03	8.9E-03	8.9E-03	9.3E-03	8.5E-03	8.9E-03	8.9E-03	8.9E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	3.9E-01	1.9E+00	8.5E-03	8.0E-03	8.5E-03	8.9E-03	8.9E-03	9.3E-03	8.5E-03	8.9E-03	8.9E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-829	SB-830	SB-831	SB-832	SB-833	SB-833A	SB-833B	SB-833C	SB-833D	SB-833E	SB-833F	SB-833G
SAMPLE ID	E-SB-829-SS	E-SB-830-SS	E-SB-831-SS	E-SB-832-SS	E-SB-833-SS	E-SB-833A-02	E-SB-833B-02	E-SB-833C-02	E-SB-833D-02	E-SB-833E-02	E-SB-833F-02	E-SB-833G-02
SAMPLE DATE	20100917	20100914	20100913	20100917	20100916	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH						2	2	2	2	2	2	2
BOTTOM DEPTH	1	1	1	1	1	2	2	2	2	2	2	2
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE						1.7E-07	1.2E-04	1.2E-07	1.3E-07	3.3E-02	2.4E-04	1.3E-07
1,2,4-TRICHLOROBENZENE						5.1E-07	4.0E-04	1.6E-06	7.4E-07	5.1E-01	3.4E-03	9.7E-07
1,4-DICHLOROBENZENE						1.0E-08	3.6E-07	7.4E-09	7.9E-09	4.4E-05	1.2E-06	3.9E-08
BAP EQUIVALENT-HALFND												
AROCLOR-1254	7.0E-04	6.6E-04	6.6E-04	3.2E-03	7.7E-04	6.3E-04	1.4E-02	7.0E-04	7.3E-04	7.0E-01	7.3E-02	7.0E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.0E-04	6.6E-04	6.6E-04	3.2E-03	7.7E-04	6.3E-04	1.5E-02	7.0E-04	7.3E-04	1.2E+00	7.7E-02	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE						3.5E-06	2.4E-03	2.5E-06	2.7E-06	6.8E-01	4.9E-03	2.7E-06
1,2,4-TRICHLOROBENZENE						2.4E-06	1.8E-03	7.2E-06	3.4E-06	2.4E+00	1.6E-02	4.4E-06
1,4-DICHLOROBENZENE						9.7E-08	3.4E-06	7.0E-08	7.5E-08	4.2E-04	1.2E-05	3.7E-07
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.9E-03	8.5E-03	8.5E-03	4.0E-02	9.8E-03	8.0E-03	1.8E-01	8.9E-03	9.3E-03	8.9E+00	9.3E-01	8.9E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.9E-03	8.5E-03	8.5E-03	4.0E-02	9.8E-03	8.0E-03	1.9E-01	8.9E-03	9.3E-03	1.2E+01	9.5E-01	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833H	SB-833J	SB-833K	SB-833L	SB-833M	SB-833N	SB-834	SB-835	SB-836	SB-837	SB-838	SB-839
SAMPLE ID	E-SB-833H-02	E-SB-833J-02	E-SB-833K-02	E-SB-833L-02	E-SB-833M-02	E-SB-833N-02	E-SB-834-SS	E-SB-835-SS	E-SB-836-SS	E-SB-837-SS	E-SB-838-SS	E-SB-839-SS
SAMPLE DATE	20101012	20101013	20101013	20101013	20101013	20101014	20100916	20100917	20100917	20100917	20100913	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	2	2	2	2	2	2						
BOTTOM DEPTH	2	2	2	2	2	2	1	1	1	1	1	1
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	1.4E-07	4.0E-05	3.7E-02	2.6E-04	9.4E-06	1.3E-07						
1,2,4-TRICHLOROBENZENE	1.6E-06	7.4E-04	6.0E-01	4.6E-03	1.3E-04	3.1E-07						
1,4-DICHLOROBENZENE	8.6E-09	3.6E-07	8.0E-05	1.1E-06	8.6E-09	7.9E-09						
BAP EQUIVALENT-HALFND												
AROCLOR-1254	6.6E-04	7.0E-03	1.4E+00	7.0E-04	7.0E-03	7.0E-04	6.6E-04	7.0E-03	7.0E-04	6.6E-04	6.6E-04	1.8E-01
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.6E-04	7.7E-03	2.0E+00	5.5E-03	7.1E-03	7.0E-04	6.6E-04	7.0E-03	7.0E-04	6.6E-04	6.6E-04	1.8E-01
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	2.9E-06	8.1E-04	7.4E-01	5.2E-03	1.9E-04	2.7E-06						
1,2,4-TRICHLOROBENZENE	7.2E-06	3.4E-03	2.7E+00	2.1E-02	6.1E-04	1.4E-06						
1,4-DICHLOROBENZENE	8.2E-08	3.4E-06	7.6E-04	1.1E-05	8.2E-08	7.5E-08						
BAP EQUIVALENT-HALFND												
AROCLOR-1254	8.5E-03	8.9E-02	1.7E+01	8.9E-03	8.9E-02	8.9E-03	8.5E-03	8.9E-02	8.9E-03	8.5E-03	8.5E-03	2.4E+00
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.5E-03	9.3E-02	2.1E+01	3.5E-02	9.0E-02	8.9E-03	8.5E-03	8.9E-02	8.9E-03	8.5E-03	8.5E-03	2.4E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-840	SB-841	SB-842	SB-843	SB-844	SB-845	SB-846	SB-847
SAMPLE ID	E-SB-840-SS	E-SB-841-SS	E-SB-842-SS	E-SB-843-SS	E-SB-844-SS	E-SB-845-SS	E-SB-846-SS	E-SB-847-SS
SAMPLE DATE	20100914	20100914	20100913	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH								
BOTTOM DEPTH	1	1	1	1	1	1	1	1
INDUSTRIAL								
1,2,3-TRICHLOROBENZENE								
1,2,4-TRICHLOROBENZENE								
1,4-DICHLOROBENZENE								
BAP EQUIVALENT-HALFND								
AROCLOR-1254	6.3E-04	6.3E-02	6.6E-04	6.6E-04	6.6E-03	3.2E-01	6.6E-04	6.3E-04
AROCLOR-1260								
ANTIMONY								
ARSENIC								
CADMIUM								
COBALT								
IRON								
LEAD								
MANGANESE								
MERCURY								
MOLYBDENUM								
NICKEL								
VANADIUM								
HEXAVALENT CHROMIUM								
TOTAL HAZARD INDEX	6.3E-04	6.3E-02	6.6E-04	6.6E-04	6.6E-03	3.2E-01	6.6E-04	6.3E-04
RESIDENTIAL								
1,2,3-TRICHLOROBENZENE								
1,2,4-TRICHLOROBENZENE								
1,4-DICHLOROBENZENE								
BAP EQUIVALENT-HALFND								
AROCLOR-1254	8.0E-03	8.0E-01	8.5E-03	8.5E-03	8.5E-02	4.0E+00	8.5E-03	8.0E-03
AROCLOR-1260								
ANTIMONY								
ARSENIC								
CADMIUM								
COBALT								
IRON								
LEAD								
MANGANESE								
MERCURY								
MOLYBDENUM								
NICKEL								
VANADIUM								
HEXAVALENT CHROMIUM								
TOTAL HAZARD INDEX	8.0E-03	8.0E-01	8.5E-03	8.5E-03	8.5E-02	4.0E+00	8.5E-03	8.0E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-819	SB-819	SB-819	SB-820	SB-820
SAMPLE ID	E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07	E-SB-819-07-AV	E-SB-819-07-D	E-SB-819-09	E-SB-820-03	E-SB-820-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	7	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5	7	7	7	9	3	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.0E-09	1.1E-08	1.0E-08	1.1E-08	9.0E-09	1.0E-08	9.0E-09	8.7E-09	8.5E-09	1.0E-08	9.5E-09	1.0E-08
AROCLOR-1260	9.0E-09	1.1E-08	1.0E-08	1.1E-08	9.6E-08	1.0E-08	9.0E-09	8.7E-09	8.5E-09	5.4E-08	9.5E-09	1.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.8E-08	2.2E-08	2.0E-08	2.2E-08	1.0E-07	2.0E-08	1.8E-08	1.7E-08	1.7E-08	6.4E-08	1.9E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	4.5E-08	5.4E-08	5.0E-08	5.4E-08	4.5E-08	5.0E-08	4.5E-08	4.3E-08	4.2E-08	5.0E-08	4.7E-08	5.0E-08
AROCLOR-1260	4.5E-08	5.4E-08	5.0E-08	5.4E-08	4.8E-07	5.0E-08	4.5E-08	4.3E-08	4.2E-08	2.7E-07	4.7E-08	5.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.9E-08	1.1E-07	9.9E-08	1.1E-07	5.2E-07	9.9E-08	8.9E-08	8.7E-08	8.4E-08	3.2E-07	9.4E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-820	SB-820	SB-821	SB-821	SB-821	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-822
SAMPLE ID	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05	E-SB-821-07	E-SB-821-09	SB-821-09-AV	E-SB-821-09-D	E-SB-822-03	E-SB-822-05	SB-822-05-AV	E-SB-822-05-D
SAMPLE DATE	20100915	20100915	20100916	20100916	20100916	20100916	20100916	20100916	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	9	9	3	5	5	5
BOTTOM DEPTH	7	9	3	5	7	9	9	9	3	5	5	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.5E-09	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.1E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	9.5E-09	1.0E-08	1.0E-08	3.7E-08	1.0E-08	6.0E-08	4.1E-08	2.3E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.9E-08	2.0E-08	2.1E-08	4.6E-08	2.0E-08	7.1E-08	5.2E-08	3.3E-08	2.0E-08	2.1E-08	2.1E-08	2.1E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	4.7E-08	5.0E-08	5.2E-08	4.7E-08	5.0E-08	5.4E-08	5.3E-08	5.2E-08	5.0E-08	5.2E-08	5.2E-08	5.2E-08
AROCLOR-1260	4.7E-08	5.0E-08	5.2E-08	1.8E-07	5.0E-08	3.0E-07	2.1E-07	1.1E-07	5.0E-08	5.2E-08	5.2E-08	5.2E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.4E-08	9.9E-08	1.0E-07	2.3E-07	9.9E-08	3.5E-07	2.6E-07	1.7E-07	9.9E-08	1.0E-07	1.0E-07	1.0E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-822	SB-822	SB-823	SB-823	SB-824	SB-824	SB-824	SB-824	SB-824	SB-824	SB-825	SB-825
SAMPLE ID	E-SB-822-07	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05	E-SB-824-07	E-SB-824-07-AV	E-SB-824-07-D	E-SB-824-09	E-SB-825-03	E-SB-825-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	5	7	3	5	7	7	7	9	3	5
BOTTOM DEPTH	7	9	5	7	3	5	7	7	7	9	3	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	3.7E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-08	2.0E-08	2.1E-08	2.1E-08	1.9E-08	4.6E-08	2.0E-08	2.0E-08	2.0E-08	2.1E-08	1.9E-08	2.1E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	5.0E-08	5.0E-08	5.2E-08	5.2E-08	4.7E-08	4.7E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	4.7E-08	5.2E-08
AROCLOR-1260	5.0E-08	5.0E-08	5.2E-08	5.2E-08	4.7E-08	1.8E-07	5.0E-08	5.0E-08	5.0E-08	5.2E-08	4.7E-08	5.2E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.9E-08	9.9E-08	1.0E-07	1.0E-07	9.4E-08	2.3E-07	9.9E-08	9.9E-08	9.9E-08	1.0E-07	9.4E-08	1.0E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-825	SB-825	SB-826	SB-826	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827	SB-827	SB-828
SAMPLE ID	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07	E-SB-826-09	SB-826-09-AV	E-SB-826-09-D	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03
SAMPLE DATE	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	5	7	9	9	9	3	5	7	9	3
BOTTOM DEPTH	7	9	5	7	9	9	9	3	5	7	9	3
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.9E-07	1.0E-05	1.0E-08
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	2.5E-06	2.6E-04	3.0E-07
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.7E-06	2.7E-04	3.1E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	9.7E-07	5.0E-05	5.0E-08
AROCLOR-1260	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	1.2E-05	1.3E-03	1.5E-06
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	1.3E-05	1.3E-03	1.5E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-828	SB-829	SB-829	SB-829	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831
SAMPLE ID	E-SB-828-09	E-SB-829-03	E-SB-829-05	E-SB-829-07	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07
SAMPLE DATE	20100916	20100917	20100917	20100917	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.0E-09	1.0E-08
AROCLOR-1260	1.3E-07	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.0E-09	1.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.4E-07	2.0E-08	2.0E-08	2.3E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.1E-08	2.0E-08	1.8E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	5.2E-08	5.0E-08	5.0E-08	5.7E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	4.5E-08	5.0E-08
AROCLOR-1260	6.4E-07	5.0E-08	5.0E-08	5.7E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	4.5E-08	5.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	7.0E-07	9.9E-08	9.9E-08	1.1E-07	9.9E-08	9.9E-08	9.9E-08	9.9E-08	1.0E-07	9.9E-08	8.9E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-831	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A	SB-833B	SB-833B
SAMPLE ID	E-SB-831-09	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10	E-SB-833B-04	E-SB-833B-06
SAMPLE DATE	20100913	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	7	9	3	5	7	9	6	10	4	6
BOTTOM DEPTH	9	5	7	9	3	5	7	9	6	10	4	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE								4.9E-05	7.1E-07	4.2E-06	1.7E-12	6.1E-11
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE								8.3E-06	1.1E-06	1.8E-06	1.5E-11	1.8E-11
BAP EQUIVALENT-HALFND								1.4E-04	1.4E-06	3.5E-07	6.8E-09	7.1E-09
NAPHTHALENE								2.4E-07	1.3E-08	2.0E-08	1.3E-09	1.9E-09
AROCLOR-1254	1.0E-08	1.0E-08	1.2E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08	5.5E-04	1.0E-04	1.0E-04	1.0E-08	1.0E-08
AROCLOR-1260	1.0E-08	6.3E-08	1.2E-08	1.1E-08	3.3E-07	1.4E-07	1.0E-08	2.4E-02	5.1E-04	2.0E-03	1.1E-07	5.2E-07
ARSENIC								2.2E-07				
COBALT								1.2E-09				
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM								8.8E-08				
TOTAL CANCER RISK	2.0E-08	7.3E-08	2.4E-08	2.2E-08	3.4E-07	1.5E-07	2.0E-08	2.5E-02	6.2E-04	2.1E-03	1.3E-07	5.4E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE								4.8E-04	7.1E-06	4.2E-05	1.7E-11	6.1E-10
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE								4.2E-05	5.5E-06	9.1E-06	7.8E-11	9.3E-11
BAP EQUIVALENT-HALFND								3.0E-03	3.0E-05	7.5E-06	1.5E-07	1.5E-07
NAPHTHALENE								1.2E-06	6.8E-08	1.0E-07	6.8E-09	9.4E-09
AROCLOR-1254	5.0E-08	5.0E-08	5.9E-08	5.4E-08	5.0E-08	5.0E-08	5.0E-08	2.7E-03	5.2E-04	5.2E-04	5.0E-08	5.2E-08
AROCLOR-1260	5.0E-08	3.1E-07	5.9E-08	5.4E-08	1.6E-06	6.9E-07	5.0E-08	1.2E-01	2.5E-03	9.9E-03	5.4E-07	2.6E-06
ARSENIC								1.7E-06				
COBALT								6.1E-09				
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM								1.3E-06				
TOTAL CANCER RISK	9.9E-08	3.6E-07	1.2E-07	1.1E-07	1.7E-06	7.4E-07	9.9E-08	1.3E-01	3.1E-03	1.0E-02	7.5E-07	2.8E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D	SB-833D	SB-833D	SB-833D	SB-833E	SB-833E
SAMPLE ID	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04	E-SB-833D-06	E-SB-833D-08	E-SB-833D-10	E-SB-833E-06	E-SB-833E-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	10	4	6	8	10	4	6	8	10	6	10
BOTTOM DEPTH	8	10	4	6	8	10	4	6	8	10	6	10
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	5.6E-11	3.5E-12	1.7E-12	2.4E-12	2.0E-12	1.2E-12	1.4E-12	6.8E-12	5.6E-10	1.3E-10	1.3E-06	2.4E-08
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	1.7E-11	1.9E-11	1.8E-11	1.8E-11	2.0E-11	1.6E-11	1.8E-11	2.0E-11	8.9E-10	5.2E-10	1.7E-07	8.9E-09
BAP EQUIVALENT-HALFND	6.6E-09	6.8E-09	6.6E-09	6.8E-09	6.9E-09	7.1E-09	6.9E-09	7.3E-09	6.8E-09	7.4E-09	1.3E-07	6.8E-09
NAPHTHALENE	8.7E-09	2.8E-09	1.0E-08	8.4E-11	8.7E-11	8.9E-11	8.7E-11	9.1E-11	2.7E-09	8.2E-10	1.7E-09	8.4E-11
AROCLOR-1254	1.0E-08	5.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.1E-08	4.9E-06	1.0E-06
AROCLOR-1260	1.5E-07	7.5E-07	5.0E-08	2.4E-08	1.0E-08	2.7E-08	1.0E-08	1.1E-08	4.8E-08	1.1E-08	1.8E-04	2.7E-05
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.7E-07	8.1E-07	7.6E-08	4.1E-08	2.7E-08	4.5E-08	2.8E-08	2.9E-08	6.9E-08	3.1E-08	1.9E-04	2.8E-05
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	5.6E-10	3.5E-11	1.7E-11	2.4E-11	2.0E-11	1.2E-11	1.4E-11	6.8E-11	5.6E-09	1.3E-09	1.3E-05	2.4E-07
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	8.5E-11	9.8E-11	9.3E-11	9.3E-11	1.0E-10	8.3E-11	8.9E-11	1.0E-10	4.6E-09	2.7E-09	8.8E-07	4.6E-08
BAP EQUIVALENT-HALFND	1.4E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-07	1.5E-07	1.6E-07	2.9E-06	1.5E-07
NAPHTHALENE	4.4E-08	1.4E-08	5.0E-08	4.3E-10	4.4E-10	4.5E-10	4.4E-10	4.6E-10	1.4E-08	4.1E-09	8.4E-09	4.3E-10
AROCLOR-1254	5.0E-08	2.5E-07	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.2E-08	5.4E-08	5.0E-08	5.4E-08	2.5E-05	5.0E-06
AROCLOR-1260	7.4E-07	3.7E-06	2.5E-07	1.2E-07	5.0E-08	1.3E-07	5.2E-08	5.4E-08	2.4E-07	5.4E-08	8.9E-04	1.3E-04
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.8E-07	4.1E-06	4.9E-07	3.2E-07	2.5E-07	3.4E-07	2.5E-07	2.7E-07	4.6E-07	2.8E-07	9.3E-04	1.4E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833F	SB-833F	SB-833F	SB-833F	SB-833G	SB-833G	SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I
SAMPLE ID	E-SB-833F-04	E-SB-833F-06	E-SB-833F-08	E-SB-833F-10	E-SB-833G-06	E-SB-833G-08	E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	6	8	10	6	8	10	8	10
BOTTOM DEPTH	4	6	8	10	6	8	10	6	8	10	8	10
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	7.6E-09	9.1E-09	7.6E-09	3.6E-09	3.8E-11	1.1E-10	1.7E-12	1.9E-10	4.9E-09	4.9E-10	5.6E-07	3.3E-07
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	5.7E-09	7.0E-09	5.9E-09	3.7E-09	1.0E-10	2.4E-09	1.1E-09	1.9E-09	8.9E-09	6.3E-10	1.9E-07	1.5E-07
BAP EQUIVALENT-HALFND	6.8E-09	6.9E-09	7.1E-09	7.1E-09	7.3E-09	6.9E-09	6.8E-09	6.8E-09	6.6E-09	6.9E-09	6.9E-08	6.1E-07
NAPHTHALENE	8.4E-11	7.4E-10	8.9E-11	8.9E-11	9.1E-11	8.7E-11	8.4E-11	1.0E-09	8.2E-11	8.7E-11	8.7E-10	8.4E-10
AROCLOR-1254	1.0E-08	1.0E-07	1.0E-08	1.0E-07	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-05	1.0E-05
AROCLOR-1260	2.5E-07	2.3E-06	1.0E-07	1.0E-06	8.3E-08	7.7E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	2.2E-04	3.5E-04
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-07	2.4E-06	1.3E-07	1.1E-06	1.0E-07	9.7E-08	2.8E-08	3.0E-08	4.0E-08	2.9E-08	2.3E-04	3.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	7.6E-08	9.1E-08	7.6E-08	3.6E-08	3.8E-10	1.1E-09	1.7E-11	1.9E-09	4.9E-08	4.8E-09	5.6E-06	3.3E-06
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	2.9E-08	3.6E-08	3.0E-08	1.9E-08	5.2E-10	1.2E-08	5.9E-09	9.8E-09	4.6E-08	3.2E-09	9.4E-07	7.5E-07
BAP EQUIVALENT-HALFND	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-07	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-06	1.3E-05
NAPHTHALENE	4.3E-10	3.7E-09	4.5E-10	4.5E-10	4.6E-10	4.4E-10	4.3E-10	5.0E-09	4.1E-10	4.4E-10	4.4E-09	4.3E-09
AROCLOR-1254	5.0E-08	5.2E-07	5.2E-08	5.2E-07	5.4E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.2E-05	5.0E-05
AROCLOR-1260	1.2E-06	1.1E-05	5.0E-07	5.0E-06	4.1E-07	3.8E-07	5.0E-08	5.0E-08	5.0E-08	5.2E-08	1.1E-03	1.7E-03
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.5E-06	1.2E-05	8.1E-07	5.7E-06	6.2E-07	6.0E-07	2.5E-07	2.6E-07	3.4E-07	2.6E-07	1.1E-03	1.8E-03

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833J	SB-833J	SB-833J	SB-833J	SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L	SB-833M	SB-833M
SAMPLE ID	E-SB-833J-04	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10	E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08	E-SB-833M-04	E-SB-833M-06
SAMPLE DATE	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	6	8	10	4	6	8	4	6
BOTTOM DEPTH	4	6	8	10	6	8	10	4	6	8	4	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	2.8E-12	2.8E-12	1.2E-12	2.6E-09	6.1E-07	8.6E-09	1.4E-07	9.6E-09	5.1E-09	2.1E-06	2.5E-12	1.3E-10
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	1.9E-11	1.7E-11	1.8E-11	1.3E-09	9.6E-08	6.3E-09	1.6E-08	4.3E-09	1.7E-09	2.7E-07	2.0E-11	1.6E-11
BAP EQUIVALENT-HALFND	6.6E-09	6.9E-09	6.8E-09	7.1E-09	6.8E-08	6.8E-09	4.9E-07	6.8E-09	6.9E-09	6.6E-08	6.9E-09	6.6E-09
NAPHTHALENE	8.2E-11	8.7E-11	8.4E-11	8.9E-11	8.4E-10	8.4E-11	8.4E-10	8.4E-11	8.7E-11	8.2E-10	8.7E-11	8.2E-11
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	5.0E-05	2.0E-06	1.0E-05	1.0E-08	2.0E-07	4.9E-05	2.0E-08	4.9E-08
AROCLOR-1260	1.6E-07	3.9E-08	7.0E-08	1.8E-07	9.7E-04	3.5E-05	2.7E-04	7.3E-08	4.5E-06	7.0E-04	2.4E-07	8.6E-07
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.8E-07	5.6E-08	8.6E-08	2.0E-07	1.0E-03	3.7E-05	2.8E-04	1.0E-07	4.7E-06	7.5E-04	2.7E-07	9.1E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	2.8E-11	2.8E-11	1.2E-11	2.6E-08	6.1E-06	8.6E-08	1.4E-06	9.6E-08	5.1E-08	2.1E-05	2.5E-11	1.3E-09
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	9.9E-11	8.8E-11	8.9E-11	6.5E-09	4.9E-07	3.2E-08	8.1E-08	2.2E-08	8.8E-09	1.4E-06	1.0E-10	8.3E-11
BAP EQUIVALENT-HALFND	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-06	1.5E-07	1.1E-05	1.5E-07	1.5E-07	1.4E-06	1.5E-07	1.4E-07
NAPHTHALENE	4.1E-10	4.4E-10	4.3E-10	4.5E-10	4.3E-09	4.3E-10	4.3E-09	4.3E-10	4.4E-10	4.1E-09	4.4E-10	4.1E-10
AROCLOR-1254	5.0E-08	5.0E-08	5.0E-08	5.2E-08	2.5E-04	9.9E-06	5.0E-05	5.0E-08	1.0E-06	2.5E-04	1.0E-07	2.5E-07
AROCLOR-1260	7.9E-07	1.9E-07	3.5E-07	8.9E-07	4.8E-03	1.7E-04	1.3E-03	3.6E-07	2.2E-05	3.5E-03	1.2E-06	4.3E-06
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.9E-07	3.9E-07	5.4E-07	1.1E-06	5.1E-03	1.8E-04	1.4E-03	6.8E-07	2.4E-05	3.7E-03	1.4E-06	4.6E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833M	SB-833M	SB-833N	SB-833N	SB-833N	SB-833N	/IRC-MW43/	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003	SB-004
SAMPLE ID	E-SB-833M-08	E-SB-833M-10	E-SB-833N-04	E-SB-833N-06	E-SB-833N-08	E-SB-833N-10	C-MW43[09	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05	SB-3-10	SB-4-05
SAMPLE DATE	20101013	20101013	20101014	20101014	20101014	20101014	20050517	20031120	20031120	20031120	20031120	20031120	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	10	4	6	8	10	9	5	10	5	10	5	10	5
BOTTOM DEPTH	8	10	4	6	8	10	10	5	10	5	10	5	10	5
INDUSTRIAL														
1,2,3-TRICHLOROBENZENE														
1,2,4-TRICHLOROBENZENE	1.7E-12	1.7E-12	5.8E-13	6.3E-13	1.3E-12	3.0E-11		1.8E-11	1.8E-11	1.8E-11	1.8E-11	1.8E-11	1.8E-11	1.8E-11
1,3-DICHLOROBENZENE														
1,4-DICHLOROBENZENE	2.0E-11	1.8E-11	1.8E-11	2.0E-11	2.0E-11	1.9E-11		2.2E-10	2.2E-10	2.2E-10	2.2E-10	2.2E-10	2.2E-10	2.2E-10
BAP EQUIVALENT-HALFND	6.9E-09	6.9E-09	6.9E-08	9.2E-07	2.1E-07	2.8E-08		8.3E-07	7.8E-07	7.6E-07	7.6E-07	7.6E-07	7.6E-07	1.8E-06
NAPHTHALENE	8.7E-11	8.7E-11	8.7E-10	8.9E-10	8.7E-10	3.5E-10		1.0E-08	9.7E-09	9.5E-09	9.5E-09	9.5E-09	9.5E-09	1.0E-08
AROCLOR-1254	2.0E-08	1.0E-08	1.0E-08	1.0E-08	5.0E-08	5.0E-08		3.6E-08	3.3E-08	3.3E-08	3.3E-08	3.2E-08	3.3E-08	3.4E-08
AROCLOR-1260	5.9E-07	7.3E-08	2.1E-07	8.0E-08	3.7E-07	4.3E-07		3.6E-08	3.3E-08	3.3E-08	3.3E-08	3.2E-08	3.3E-08	3.4E-08
ARSENIC								2.0E-06	6.6E-07	7.7E-07	3.2E-07	5.5E-07	5.9E-07	1.8E-06
COBALT														
IRON														
LEAD														
MANGANESE														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM								7.2E-07	1.8E-07	4.7E-08	4.5E-08	9.1E-08	7.2E-08	7.4E-07
TOTAL CANCER RISK	6.1E-07	9.0E-08	2.9E-07	1.0E-06	6.3E-07	5.1E-07		3.6E-06	1.7E-06	1.7E-06	1.2E-06	1.5E-06	1.5E-06	4.5E-06
RESIDENTIAL														
1,2,3-TRICHLOROBENZENE														
1,2,4-TRICHLOROBENZENE	1.7E-11	1.7E-11	5.8E-12	6.3E-12	1.3E-11	3.0E-10		1.8E-10	1.8E-10	1.8E-10	1.8E-10	1.8E-10	1.8E-10	1.8E-10
1,3-DICHLOROBENZENE														
1,4-DICHLOROBENZENE	1.0E-10	9.3E-11	9.1E-11	1.0E-10	1.0E-10	9.9E-11		1.1E-09	1.1E-09	1.1E-09	1.1E-09	1.1E-09	1.1E-09	1.1E-09
BAP EQUIVALENT-HALFND	1.5E-07	1.5E-07	1.5E-06	2.0E-05	4.5E-06	6.0E-07		1.8E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	4.0E-05
NAPHTHALENE	4.4E-10	4.4E-10	4.4E-09	4.5E-09	4.4E-09	1.7E-09		5.2E-08	4.9E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08	5.0E-08
AROCLOR-1254	1.0E-07	5.0E-08	5.2E-08	5.2E-08	2.5E-07	2.5E-07		1.8E-07	1.7E-07	1.7E-07	1.6E-07	1.6E-07	1.6E-07	1.7E-07
AROCLOR-1260	2.9E-06	3.6E-07	1.0E-06	4.0E-07	1.8E-06	2.1E-06		1.8E-07	1.7E-07	1.7E-07	1.6E-07	1.6E-07	1.6E-07	1.7E-07
ARSENIC								1.6E-05	5.1E-06	6.0E-06	2.5E-06	4.3E-06	4.6E-06	1.4E-05
COBALT														
IRON														
LEAD														
MANGANESE														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM								1.1E-05	2.7E-06	7.0E-07	6.8E-07	1.4E-06	1.1E-06	1.1E-05
TOTAL CANCER RISK	3.2E-06	5.6E-07	2.6E-06	2.0E-05	6.6E-06	3.0E-06		4.5E-05	2.5E-05	2.4E-05	2.0E-05	2.3E-05	2.3E-05	6.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-004	SB-010	SB-011	SB-012	SB-013	SB-014	SB-015	SB-016	SB-017	SB-018	SB-019	SB-019	SB-020	SB-020
SAMPLE ID	SB-4-10	SB-10-05	SB-11-05	SB-12-05	SB-13-05	SB-14-05	SB-15-05	SB-16-05	SB-17-05	SB-18-05	SB-19-05	SB-19-10	SB-20-05	SB-20-10
SAMPLE DATE	20031120	20031118	20031119	20031119	20031119	20031119	20031119	20031119	20031119	20031119	20031121	20031121	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	5	5	5	5	5	5	5	5	5	10	5	10
BOTTOM DEPTH	10	5	5	5	5	5	5	5	5	5	5	10	5	10
INDUSTRIAL														
1,2,3-TRICHLOROBENZENE														
1,2,4-TRICHLOROBENZENE	1.8E-11													
1,3-DICHLOROBENZENE														
1,4-DICHLOROBENZENE	2.2E-10													
BAP EQUIVALENT-HALFND	7.8E-07													
NAPHTHALENE	9.7E-09													
AROCLOR-1254	3.4E-08													
AROCLOR-1260	3.4E-08													
ARSENIC	8.8E-07													
COBALT														
IRON														
LEAD														
MANGANESE														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM	1.9E-07													
TOTAL CANCER RISK	1.9E-06													
RESIDENTIAL														
1,2,3-TRICHLOROBENZENE														
1,2,4-TRICHLOROBENZENE	1.8E-10													
1,3-DICHLOROBENZENE														
1,4-DICHLOROBENZENE	1.1E-09													
BAP EQUIVALENT-HALFND	1.7E-05													
NAPHTHALENE	4.9E-08													
AROCLOR-1254	1.7E-07													
AROCLOR-1260	1.7E-07													
ARSENIC	6.8E-06													
COBALT														
IRON														
LEAD														
MANGANESE														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM	2.9E-06													
TOTAL CANCER RISK	2.7E-05													

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-021	SB-021	SB-035	SB-036	SB-500	SB-500	SB-501	SB-501	SB-502	SB-502	SB-503	SB-504
SAMPLE ID	SB-21-05	SB-21-10	SB-35-04	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810	SB-502-0406	SB-502-0810	SB-503-0406	SB-504-0406
SAMPLE DATE	20031120	20031120	20040922	20040917	20071127	20071127	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	4	5	4	8	4	8	4	8	4	4
BOTTOM DEPTH	5	10	4	5	6	10	6	10	6	10	6	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE			1.5E-11	1.5E-11	1.4E-11	1.5E-11	2.4E-08	3.5E-07	3.6E-10	1.9E-08	1.5E-11	2.4E-12
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE			1.9E-10	1.9E-10	1.8E-10	1.9E-10	1.1E-09	4.1E-08	1.9E-10	9.3E-09	1.9E-10	1.8E-10
BAP EQUIVALENT-HALFND			6.8E-07	6.9E-07	6.4E-07	6.9E-07	6.4E-07	6.8E-07	7.5E-07	6.6E-06	8.1E-07	7.5E-06
NAPHTHALENE			8.4E-09	8.7E-09	8.0E-09	8.7E-09	8.0E-09	8.4E-09	8.4E-09	8.2E-08	8.7E-09	1.4E-08
AROCLOR-1254			1.4E-07	1.5E-07	1.8E-08	2.0E-08	3.7E-07	1.9E-06	3.8E-06	9.5E-06	1.0E-07	9.5E-07
AROCLOR-1260			1.4E-07	1.5E-07	1.8E-08	2.0E-08	5.8E-06	2.4E-05	4.9E-05	6.5E-05	3.8E-07	1.1E-05
ARSENIC			5.9E-07	4.8E-07	1.1E-07	2.7E-07	4.0E-07	3.4E-07	4.8E-07	2.0E-07	1.5E-07	7.3E-07
COBALT					2.7E-10	3.9E-10	3.9E-10	9.3E-10	2.5E-10	1.5E-10	4.1E-11	2.0E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM			2.8E-07	1.5E-07	2.0E-07	3.0E-07	1.7E-07	4.3E-07	1.6E-07	9.1E-08	8.8E-08	3.6E-07
TOTAL CANCER RISK			1.8E-06	1.6E-06	1.0E-06	1.3E-06	7.4E-06	2.8E-05	5.4E-05	8.1E-05	1.5E-06	2.1E-05
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE			1.5E-10	1.5E-10	1.4E-10	1.5E-10	2.4E-07	3.5E-06	3.6E-09	1.9E-07	1.5E-10	2.4E-11
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE			9.8E-10	9.8E-10	9.1E-10	9.8E-10	5.5E-09	2.1E-07	9.4E-10	4.7E-08	9.9E-10	9.3E-10
BAP EQUIVALENT-HALFND			1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.4E-05	1.5E-05	1.6E-05	1.4E-04	1.8E-05	1.6E-04
NAPHTHALENE			4.3E-08	4.4E-08	4.0E-08	4.4E-08	4.0E-08	4.3E-08	4.3E-08	4.1E-07	4.4E-08	7.2E-08
AROCLOR-1254			6.9E-07	7.4E-07	9.2E-08	9.9E-08	1.8E-06	9.7E-06	1.9E-05	4.7E-05	5.0E-07	4.7E-06
AROCLOR-1260			6.9E-07	7.4E-07	9.2E-08	9.9E-08	2.9E-05	1.2E-04	2.4E-04	3.2E-04	1.9E-06	5.4E-05
ARSENIC			4.6E-06	3.7E-06	8.8E-07	2.1E-06	3.1E-06	2.7E-06	3.7E-06	1.6E-06	1.2E-06	5.7E-06
COBALT					1.4E-09	1.9E-09	1.9E-09	4.7E-09	1.3E-09	7.7E-10	2.1E-10	9.8E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM			4.1E-06	2.3E-06	3.1E-06	4.5E-06	2.5E-06	6.5E-06	2.4E-06	1.4E-06	1.3E-06	5.3E-06
TOTAL CANCER RISK			2.5E-05	2.3E-05	1.8E-05	2.2E-05	5.0E-05	1.6E-04	2.8E-04	5.2E-04	2.3E-05	2.3E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507	SB-507	SB-508	SB-508	SB-508	SB-508	SB-509
SAMPLE ID	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406	SB-507-0810	SB-508-0406	SB-508-0406-AV	SB-508-0406-D	SB-508-0810	SB-509-0406
SAMPLE DATE	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071128	20071128	20071128	20071129
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	4	8	4	4	4	8	4
BOTTOM DEPTH	10	6	10	6	10	6	10	6	6	6	10	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.6E-12	1.5E-11	1.1E-12	1.5E-11	1.6E-11	1.6E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	1.9E-10	1.9E-10	2.0E-10	1.9E-10	2.0E-10	2.0E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10
BAP EQUIVALENT-HALFND	9.9E-07	6.6E-07	8.3E-07	6.6E-07	7.3E-07	7.1E-07	6.6E-07	6.8E-07	6.8E-07	6.8E-07	6.9E-07	6.6E-07
NAPHTHALENE	9.5E-10	8.2E-09	8.9E-09	8.2E-09	9.1E-09	8.9E-09	8.2E-09	8.4E-09	8.4E-09	8.4E-09	8.7E-09	8.2E-09
AROCLOR-1254	1.9E-07	1.9E-08	1.0E-07	1.9E-08	2.1E-08	2.0E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	2.0E-08	1.9E-08
AROCLOR-1260	2.3E-06	1.5E-08	6.5E-07	1.9E-08	2.0E-08	2.0E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	2.0E-08	1.9E-08
ARSENIC	4.4E-07	4.4E-07	6.2E-07	5.9E-07	3.7E-07	8.4E-07	4.0E-07	5.1E-07	4.4E-07	3.7E-07	1.5E-07	6.2E-07
COBALT	1.0E-09	1.4E-09	1.0E-09	7.5E-10	5.5E-10	7.5E-10	2.7E-10	5.2E-10	4.5E-10	3.9E-10	8.0E-10	5.2E-10
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	3.7E-07	2.8E-07	3.5E-07	2.4E-07	1.2E-07	3.1E-07	2.1E-07	2.5E-07	2.2E-07	1.8E-07	3.6E-07	2.8E-07
TOTAL CANCER RISK	4.3E-06	1.4E-06	2.6E-06	1.5E-06	1.3E-06	1.9E-06	1.3E-06	1.5E-06	1.4E-06	1.3E-06	1.3E-06	1.6E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.6E-11	1.5E-10	1.1E-11	1.5E-10	1.6E-10	1.6E-10	1.5E-10	1.5E-10	1.5E-10	1.5E-10	1.5E-10	1.5E-10
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	9.4E-10	9.4E-10	1.0E-09	9.4E-10	1.0E-09	1.0E-09	9.4E-10	9.4E-10	9.5E-10	9.6E-10	9.8E-10	9.4E-10
BAP EQUIVALENT-HALFND	2.2E-05	1.4E-05	1.8E-05	1.4E-05	1.6E-05	1.5E-05	1.4E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05
NAPHTHALENE	4.8E-09	4.1E-08	4.5E-08	4.1E-08	4.6E-08	4.5E-08	4.1E-08	4.3E-08	4.3E-08	4.3E-08	4.4E-08	4.1E-08
AROCLOR-1254	9.4E-07	9.4E-08	5.2E-07	9.4E-08	1.0E-07	1.0E-07	9.4E-08	9.7E-08	9.7E-08	9.7E-08	9.9E-08	9.4E-08
AROCLOR-1260	1.1E-05	7.4E-08	3.2E-06	9.4E-08	9.9E-08	1.0E-07	9.4E-08	9.7E-08	9.7E-08	9.7E-08	9.9E-08	9.4E-08
ARSENIC	3.4E-06	3.4E-06	4.8E-06	4.6E-06	2.8E-06	6.6E-06	3.1E-06	4.0E-06	3.4E-06	2.8E-06	1.2E-06	4.8E-06
COBALT	5.2E-09	7.2E-09	5.3E-09	3.8E-09	2.7E-09	3.8E-09	1.4E-09	2.6E-09	2.3E-09	1.9E-09	4.0E-09	2.6E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	5.5E-06	4.2E-06	5.3E-06	3.6E-06	1.8E-06	4.6E-06	3.1E-06	3.8E-06	3.3E-06	2.8E-06	5.5E-06	4.1E-06
TOTAL CANCER RISK	4.3E-05	2.2E-05	3.2E-05	2.3E-05	2.1E-05	2.7E-05	2.1E-05	2.3E-05	2.2E-05	2.1E-05	2.2E-05	2.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-509	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-835	SB-836	SB-836	SB-836	SB-836
SAMPLE ID	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09	E-SB-835-03	E-SB-835-05	E-SB-835-07	E-SB-835-09	E-SB-836-03	E-SB-836-05	E-SB-836-07	E-SB-836-09
SAMPLE DATE	20071129	20100916	20100916	20100916	20100917	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	5	7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	10	5	7	9	3	5	7	9	3	5	7	9
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.4E-11											
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	1.8E-10											
BAP EQUIVALENT-HALFND	6.6E-07											
NAPHTHALENE	8.2E-09											
AROCLOR-1254	1.9E-08	1.1E-08	1.0E-08	1.1E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-07	1.1E-08	1.0E-08	1.0E-08	1.1E-08
AROCLOR-1260	1.9E-08	2.8E-07	2.3E-08	2.4E-08	9.5E-09	3.1E-07	9.4E-08	3.5E-06	1.1E-08	2.2E-08	1.0E-08	1.1E-08
ARSENIC	9.1E-07											
COBALT	5.2E-10											
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	2.3E-07											
TOTAL CANCER RISK	1.8E-06	2.9E-07	3.3E-08	3.5E-08	1.9E-08	3.2E-07	1.0E-07	3.6E-06	2.3E-08	3.2E-08	2.0E-08	2.2E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.4E-10											
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	9.3E-10											
BAP EQUIVALENT-HALFND	1.4E-05											
NAPHTHALENE	4.1E-08											
AROCLOR-1254	9.4E-08	5.7E-08	5.0E-08	5.4E-08	4.7E-08	5.2E-08	5.2E-08	5.0E-07	5.7E-08	5.0E-08	5.0E-08	5.4E-08
AROCLOR-1260	9.4E-08	1.4E-06	1.1E-07	1.2E-07	4.7E-08	1.5E-06	4.7E-07	1.7E-05	5.7E-08	1.1E-07	5.0E-08	5.4E-08
ARSENIC	7.1E-06											
COBALT	2.6E-09											
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	3.4E-06											
TOTAL CANCER RISK	2.5E-05	1.4E-06	1.6E-07	1.7E-07	9.4E-08	1.6E-06	5.2E-07	1.8E-05	1.1E-07	1.6E-07	9.9E-08	1.1E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-839
SAMPLE ID	E-SB-837-03	E-SB-837-05	E-SB-837-07	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07	E-SB-839-09
SAMPLE DATE	20100917	20100917	20100917	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3	5	7	9
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.0E-09	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	9.0E-09	9.5E-09	1.0E-08	5.9E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	2.7E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.8E-08	1.9E-08	2.1E-08	6.9E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	3.7E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	4.5E-08	4.7E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08
AROCLOR-1260	4.5E-08	4.7E-08	5.2E-08	2.9E-07	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	1.3E-07
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.9E-08	9.4E-08	1.0E-07	3.4E-07	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	1.8E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841	SB-841	SB-842	SB-842
SAMPLE ID	E-SB-840-03	E-SB-840-05	SB-840-05-AV	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07	E-SB-841-09	E-SB-842-3	E-SB-842-5
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100913	20100913
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	5	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	3	5	5	5	7	9	3	5	7	9	3	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.0E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	9.5E-09	9.5E-09	1.0E-08	1.0E-08	9.5E-09	1.0E-08
AROCLOR-1260	9.0E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	9.5E-09	3.5E-08	6.8E-08	1.4E-07	9.5E-09	1.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.8E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	1.9E-08	1.9E-08	4.4E-08	7.8E-08	1.5E-07	1.9E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	4.5E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	4.7E-08	4.7E-08	4.7E-08	5.0E-08	5.0E-08	4.7E-08	5.0E-08
AROCLOR-1260	4.5E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	4.7E-08	4.7E-08	1.7E-07	3.4E-07	6.9E-07	4.7E-08	5.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.4E-08	9.4E-08	2.2E-07	3.9E-07	7.4E-07	9.4E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843	SB-844	SB-844	SB-844	SB-844	SB-845	SB-845
SAMPLE ID	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09	E-SB-844-03	E-SB-844-05	E-SB-844-07	E-SB-844-09	E-SB-845-03	E-SB-845-05
SAMPLE DATE	20100913	20100913	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	9.5E-09	1.1E-08	1.1E-08	1.0E-08	5.5E-08	4.4E-08	9.0E-09
AROCLOR-1260	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	9.5E-09	1.1E-08	1.2E-07	1.0E-08	4.0E-07	9.5E-09	9.0E-09
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-08	2.0E-08	1.9E-08	2.0E-08	2.0E-08	1.9E-08	2.3E-08	1.3E-07	2.1E-08	4.5E-07	5.3E-08	1.8E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	5.0E-08	5.0E-08	4.7E-08	5.0E-08	5.0E-08	4.7E-08	5.7E-08	5.4E-08	5.2E-08	2.7E-07	2.2E-07	4.5E-08
AROCLOR-1260	5.0E-08	5.0E-08	4.7E-08	5.0E-08	5.0E-08	4.7E-08	5.7E-08	5.9E-07	5.2E-08	2.0E-06	4.7E-08	4.5E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.9E-08	9.9E-08	9.4E-08	9.9E-08	9.9E-08	9.4E-08	1.1E-07	6.5E-07	1.0E-07	2.3E-06	2.6E-07	8.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-845	SB-845	SB-846	SB-846	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847	SB-005	SB-005
SAMPLE ID	E-SB-845-07	E-SB-845-09	E-SB-846-03	E-SB-846-05	E-SB-846-07	E-SB-846-09	E-SB-847-03	E-SB-847-05	E-SB-847-07	E-SB-847-09	SB-5-05	SB-5-10
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	9	5	10
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	9	5	10
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE											1.5E-11	1.8E-11
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE											1.9E-10	2.2E-10
BAP EQUIVALENT-HALFND											7.3E-07	7.8E-07
NAPHTHALENE											9.1E-09	9.7E-09
AROCLOR-1254	1.0E-08	4.7E-08	1.0E-08	9.0E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	3.2E-08	3.4E-08
AROCLOR-1260	1.0E-08	3.5E-07	1.0E-08	9.0E-09	1.0E-08	1.0E-08	6.0E-08	1.0E-08	1.0E-08	1.0E-08	3.2E-08	3.4E-08
ARSENIC											5.1E-07	4.0E-07
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM											6.6E-08	5.2E-08
TOTAL CANCER RISK	2.0E-08	4.0E-07	2.0E-08	1.8E-08	2.0E-08	2.1E-08	7.0E-08	2.0E-08	2.0E-08	2.0E-08	1.4E-06	1.3E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE											1.5E-10	1.8E-10
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE											9.8E-10	1.1E-09
BAP EQUIVALENT-HALFND											1.6E-05	1.7E-05
NAPHTHALENE											4.6E-08	4.9E-08
AROCLOR-1254	5.0E-08	2.3E-07	5.0E-08	4.5E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	1.6E-07	1.7E-07
AROCLOR-1260	5.0E-08	1.7E-06	5.0E-08	4.5E-08	5.0E-08	5.2E-08	3.0E-07	5.0E-08	5.0E-08	5.0E-08	1.6E-07	1.7E-07
ARSENIC											4.0E-06	3.1E-06
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM											9.9E-07	7.9E-07
TOTAL CANCER RISK	9.9E-08	2.0E-06	9.9E-08	8.9E-08	9.9E-08	1.0E-07	3.5E-07	9.9E-08	9.9E-08	9.9E-08	2.1E-05	2.1E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-006	SB-006	SB-009	SB-510	SB-510	SB-510	SB-510	SB-511	SB-511	SB-512	SB-512	SB-512
SAMPLE ID	SB-6-05	SB-6-10	SB-9-05	SB-510-0406	SB-510-0810	B-510-0810-AV	SB-510-0810-D	SB-511-0406	SB-511-0810	SB-512-0406	SB-512-0810	B-512-0810-AV
SAMPLE DATE	20031120	20031120	20031118	20071128	20071128	20071128	20071128	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	4	8	8	8	4	8	4	8	8
BOTTOM DEPTH	5	10	5	6	10	10	10	6	10	6	10	10
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.8E-11	1.8E-11		1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.6E-11	1.4E-11	1.6E-11	1.6E-11
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	2.2E-10	2.2E-10		1.9E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10	2.0E-10	1.8E-10	2.0E-10	2.0E-10
BAP EQUIVALENT-HALFND	7.4E-07	7.6E-07		6.6E-07	8.2E-07	8.0E-07	7.8E-07	1.4E-06	7.1E-07	6.6E-07	1.0E-06	1.3E-06
NAPHTHALENE	9.3E-09	9.5E-09		8.2E-09	8.2E-09	8.3E-09	8.4E-09	8.4E-09	8.9E-09	8.2E-09	8.9E-09	2.8E-09
AROCLOR-1254	3.2E-08	3.3E-08		1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	2.0E-08	1.9E-08	2.0E-08	2.1E-08
AROCLOR-1260	3.2E-08	3.3E-08		1.9E-08	1.6E-08	1.6E-08	1.9E-08	1.6E-08	2.0E-08	1.9E-08	1.8E-08	3.5E-08
ARSENIC	2.8E-07	7.3E-07		9.5E-08	1.3E-07	1.1E-07	9.5E-08	2.1E-07	1.3E-07	2.2E-07	2.8E-07	4.0E-07
COBALT				2.7E-10	4.3E-10	4.4E-10	4.5E-10	1.9E-10	2.3E-10	6.8E-10	5.0E-10	4.9E-10
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	1.3E-07	6.1E-07		2.3E-07	3.2E-07	3.0E-07	2.8E-07	4.1E-08	1.1E-07	2.3E-07	2.5E-07	2.5E-07
TOTAL CANCER RISK	1.2E-06	2.2E-06		1.0E-06	1.3E-06	1.3E-06	1.2E-06	1.7E-06	1.0E-06	1.2E-06	1.6E-06	2.0E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE	1.8E-10	1.8E-10		1.5E-10	1.5E-10	1.5E-10	1.5E-10	1.5E-10	1.6E-10	1.4E-10	1.6E-10	1.6E-10
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	1.1E-09	1.1E-09		9.4E-10	9.4E-10	9.4E-10	9.4E-10	9.6E-10	1.0E-09	9.3E-10	1.0E-09	1.0E-09
BAP EQUIVALENT-HALFND	1.6E-05	1.7E-05		1.4E-05	1.8E-05	1.7E-05	1.7E-05	3.1E-05	1.5E-05	1.4E-05	2.3E-05	2.9E-05
NAPHTHALENE	4.7E-08	4.8E-08		4.1E-08	4.1E-08	4.2E-08	4.3E-08	4.3E-08	4.5E-08	4.1E-08	4.5E-08	1.4E-08
AROCLOR-1254	1.6E-07	1.6E-07		9.4E-08	9.4E-08	9.5E-08	9.7E-08	9.7E-08	1.0E-07	9.4E-08	1.0E-07	1.0E-07
AROCLOR-1260	1.6E-07	1.6E-07		9.4E-08	7.9E-08	7.9E-08	9.7E-08	7.9E-08	1.0E-07	9.4E-08	8.9E-08	1.8E-07
ARSENIC	2.2E-06	5.7E-06		7.4E-07	1.0E-06	8.8E-07	7.4E-07	1.7E-06	1.0E-06	1.7E-06	2.2E-06	3.1E-06
COBALT				1.4E-09	2.2E-09	2.2E-09	2.3E-09	9.4E-10	1.1E-09	3.4E-09	2.5E-09	2.5E-09
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	2.0E-06	9.1E-06		3.5E-06	4.8E-06	4.5E-06	4.2E-06	6.2E-07	1.7E-06	3.5E-06	3.7E-06	3.7E-06
TOTAL CANCER RISK	2.1E-05	3.2E-05		1.9E-05	2.4E-05	2.3E-05	2.2E-05	3.4E-05	1.8E-05	2.0E-05	2.9E-05	3.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-512	SB-513	SB-513	SB-514	SB-514	SB-514	SB-514	SB-515	SB-515	SB-517	SB-517	SB-518	SB-518
SAMPLE ID	SB-512-0810-D	SB-513-0406	SB-513-0810	SB-514-0406	SB-514-0810	B-514-0810-AV	SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0816	B-518-0406	B-518-081
SAMPLE DATE	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071130	20071130	20071130	20071130
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	8	8	4	8	4	8	4	8
BOTTOM DEPTH	10	6	10	6	10	10	10	6	10	6	10	6	10
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE	1.6E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.6E-11	1.5E-11	1.5E-11	1.5E-11	1.6E-11
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	2.0E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10	1.9E-10	2.0E-10	1.9E-10	1.9E-10	1.9E-10	2.1E-10
BAP EQUIVALENT-HALFND	1.6E-06	1.5E-06	6.8E-07	6.9E-07	6.8E-07	6.8E-07	6.8E-07	6.9E-07	1.6E-06	6.9E-07	8.3E-07	6.9E-07	7.4E-07
NAPHTHALENE	2.8E-09	8.4E-09	8.4E-09	8.7E-09	8.4E-09	8.4E-09	8.4E-09	8.7E-09	8.9E-09	8.7E-09	8.7E-09	8.7E-09	9.3E-09
AROCLOR-1254	2.1E-08	1.9E-08	1.9E-08	2.0E-08	1.9E-08	1.9E-08	1.9E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.1E-08
AROCLOR-1260	5.3E-08	1.9E-08	1.9E-08	2.0E-08	1.9E-08	1.9E-08	1.9E-08	2.0E-08	1.9E-08	2.0E-08	1.9E-07	2.0E-08	2.1E-08
ARSENIC	5.1E-07	8.4E-07	1.7E-07	1.4E-07	4.8E-07	3.1E-07	1.5E-07	2.3E-07	8.1E-08	2.0E-07	2.7E-07	8.1E-07	1.6E-07
COBALT	4.8E-10	9.1E-10	2.2E-10	2.1E-09	2.0E-09	1.7E-09	1.5E-09	9.8E-10	1.4E-09	1.1E-09	1.0E-09	8.4E-10	6.4E-10
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM	2.5E-07	2.1E-07	6.3E-08	3.2E-07	3.1E-07	3.0E-07	2.9E-07	2.5E-07	2.9E-07	2.1E-07	3.1E-07	3.6E-07	1.2E-07
TOTAL CANCER RISK	2.4E-06	2.6E-06	9.5E-07	1.2E-06	1.5E-06	1.3E-06	1.2E-06	1.2E-06	2.0E-06	1.2E-06	1.6E-06	1.9E-06	1.1E-06
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE	1.6E-10	1.5E-10	1.5E-10	1.5E-10	1.5E-10	1.5E-10	1.5E-10	1.5E-10	1.6E-10	1.5E-10	1.5E-10	1.5E-10	1.6E-10
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	1.0E-09	9.6E-10	9.4E-10	9.8E-10	9.6E-10	9.6E-10	9.6E-10	9.9E-10	1.0E-09	9.9E-10	9.9E-10	9.8E-10	1.1E-09
BAP EQUIVALENT-HALFND	3.4E-05	3.2E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	3.4E-05	1.5E-05	1.8E-05	1.5E-05	1.6E-05
NAPHTHALENE	1.4E-08	4.3E-08	4.3E-08	4.4E-08	4.3E-08	4.3E-08	4.3E-08	4.4E-08	4.5E-08	4.4E-08	4.4E-08	4.4E-08	4.7E-08
AROCLOR-1254	1.0E-07	9.7E-08	9.7E-08	9.9E-08	9.7E-08	9.7E-08	9.7E-08	9.9E-08	1.0E-07	9.9E-08	9.9E-08	9.9E-08	1.1E-07
AROCLOR-1260	2.6E-07	9.7E-08	9.7E-08	9.9E-08	9.7E-08	9.7E-08	9.7E-08	9.9E-08	9.4E-08	9.9E-08	9.4E-07	9.9E-08	1.1E-07
ARSENIC	4.0E-06	6.6E-06	1.3E-06	1.1E-06	3.7E-06	2.5E-06	1.2E-06	1.8E-06	6.3E-07	1.6E-06	2.1E-06	6.3E-06	1.2E-06
COBALT	2.4E-09	4.6E-09	1.1E-09	1.0E-08	1.0E-08	8.8E-09	7.4E-09	4.9E-09	7.1E-09	5.6E-09	5.3E-09	4.2E-09	3.2E-09
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM	3.8E-06	3.2E-06	9.5E-07	4.8E-06	4.6E-06	4.5E-06	4.4E-06	3.8E-06	4.4E-06	3.2E-06	4.7E-06	5.5E-06	1.8E-06
TOTAL CANCER RISK	4.2E-05	4.2E-05	1.7E-05	2.1E-05	2.3E-05	2.2E-05	2.1E-05	2.1E-05	3.9E-05	2.0E-05	2.6E-05	2.7E-05	1.9E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-519	SB-519	SB-520	SB-520	SB-541A	SB-542	SB-542	SB-543A	SB-543A	SB-545	SB-547	SB-547	SB-548	SB-548	SB-550A
SAMPLE ID	SB-519-040	SB-519-081	SB-520-040	SB-520-081	SB-541A-4	SB-542-3	SB-542-4	SB-543A-3	SB-543A-4	SB-545-4	SB-547-3	SB-547-4	SB-548-3	SB-548-4	SB-550A-3
SAMPLE DATE	20071130	20071130	20071130	20071130	20081111	20081023	20081023	20081111	20081111	20081023	20081021	20081021	20081023	20081023	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	4	3	4	3	4	4	3	4	3	4	3
BOTTOM DEPTH	6	10	6	10	4	3	4	3	4	4	3	4	3	4	3
INDUSTRIAL															
1,2,3-TRICHLOROBENZENE															
1,2,4-TRICHLOROBENZENE	1.5E-11	1.5E-11	1.5E-11	1.5E-11											
1,3-DICHLOROBENZENE															
1,4-DICHLOROBENZENE	1.9E-10	1.9E-10	1.9E-10	1.9E-10											
BAP EQUIVALENT-HALFND	6.6E-07	6.6E-07	6.9E-07	1.5E-06											
NAPHTHALENE	8.2E-09	8.2E-09	8.7E-09	8.7E-09											
AROCLOR-1254	1.9E-08	1.9E-08	2.0E-08	2.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	9.5E-09	1.0E-08			9.5E-09	9.5E-09	1.0E-08
AROCLOR-1260	1.9E-08	1.9E-08	2.0E-08	2.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	9.5E-09	1.0E-08			9.5E-09	9.5E-09	1.0E-08
ARSENIC	2.2E-07	4.4E-07	4.4E-07	4.8E-07											
COBALT	6.4E-10	3.6E-10	1.2E-09	8.2E-10											
IRON															
LEAD															
MANGANESE															
MERCURY															
VANADIUM															
HEXAVALENT CHROMIUM	2.1E-07	1.2E-07	2.6E-07	1.8E-07											
TOTAL CANCER RISK	1.1E-06	1.3E-06	1.4E-06	2.2E-06	2.0E-08	2.0E-08	2.0E-08	1.9E-08	1.9E-08	2.0E-08			1.9E-08	1.9E-08	2.0E-08
RESIDENTIAL															
1,2,3-TRICHLOROBENZENE															
1,2,4-TRICHLOROBENZENE	1.5E-10	1.5E-10	1.5E-10	1.5E-10											
1,3-DICHLOROBENZENE															
1,4-DICHLOROBENZENE	9.4E-10	9.4E-10	9.9E-10	9.8E-10											
BAP EQUIVALENT-HALFND	1.4E-05	1.4E-05	1.5E-05	3.2E-05											
NAPHTHALENE	4.1E-08	4.1E-08	4.4E-08	4.4E-08											
AROCLOR-1254	9.4E-08	9.4E-08	9.9E-08	9.9E-08	5.0E-08	5.0E-08	5.0E-08	4.7E-08	4.7E-08	5.0E-08			4.7E-08	4.7E-08	5.0E-08
AROCLOR-1260	9.4E-08	9.4E-08	9.9E-08	9.9E-08	5.0E-08	5.0E-08	5.0E-08	4.7E-08	4.7E-08	5.0E-08			4.7E-08	4.7E-08	5.0E-08
ARSENIC	1.7E-06	3.4E-06	3.4E-06	3.7E-06											
COBALT	3.2E-09	1.8E-09	6.1E-09	4.1E-09											
IRON															
LEAD															
MANGANESE															
MERCURY															
VANADIUM															
HEXAVALENT CHROMIUM	3.2E-06	1.9E-06	3.9E-06	2.7E-06											
TOTAL CANCER RISK	1.9E-05	2.0E-05	2.3E-05	3.9E-05	9.9E-08	9.9E-08	9.9E-08	9.4E-08	9.4E-08	9.9E-08			9.4E-08	9.4E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-550A	SB-554	SB-554	SB-555	SB-555	SB-555	SB-555A	SB-556	SB-556	SB-556	SB-557	SB-557
SAMPLE ID	SB-550A-4	SB-554-3	SB-554-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-556-4	SB-556-6	SB-556-8	SB-557-4	SB-557-6
SAMPLE DATE	20081111	20081021	20081021	20081021	20081021	20081021	20081111	20081021	20081021	20081021	20081021	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	3	4	4	6	8	10	4	6	8	4	6
BOTTOM DEPTH	4	3	4	4	6	8	10	4	6	8	4	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	1.0E-08			9.8E-06	9.0E-09	9.5E-09	1.0E-08				2.7E-08	
AROCLOR-1260	1.0E-08			7.8E-06	9.0E-09	2.5E-07	1.0E-08				9.0E-09	
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-08			1.8E-05	1.8E-08	2.6E-07	2.0E-08				3.6E-08	
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	5.0E-08			4.9E-05	4.5E-08	4.7E-08	5.0E-08				1.3E-07	
AROCLOR-1260	5.0E-08			3.9E-05	4.5E-08	1.2E-06	5.0E-08				4.5E-08	
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.9E-08			8.7E-05	8.9E-08	1.3E-06	9.9E-08				1.8E-07	

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-557	SB-558	SB-558	SB-558	SB-559	SB-559	SB-559	SB-560	SB-561	SB-561	SB-561	SB-561A
SAMPLE ID	SB-557-8	SB-558-4	SB-558-6	SB-558-8	SB-559-4	SB-559-6	SB-559-8	SB-560-4	SB-561-4	SB-561-6	SB-561-8	SB-561A-6
SAMPLE DATE	20081021	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081021	20081021	20081021	20081111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	6	8	4	6	8	4	4	6	8	6
BOTTOM DEPTH	8	4	6	8	4	6	8	4	4	6	8	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254		9.5E-09			9.0E-09	9.5E-09	9.5E-09	9.5E-09		9.0E-09	9.5E-09	9.5E-09
AROCLOR-1260		1.4E-07			9.0E-09	9.5E-09	9.5E-09	9.5E-09		9.0E-09	1.8E-07	9.5E-09
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK		1.5E-07			1.8E-08	1.9E-08	1.9E-08	1.9E-08		1.8E-08	1.9E-07	1.9E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254		4.7E-08			4.5E-08	4.7E-08	4.7E-08	4.7E-08		4.5E-08	4.7E-08	4.7E-08
AROCLOR-1260		6.9E-07			4.5E-08	4.7E-08	4.7E-08	4.7E-08		4.5E-08	8.9E-07	4.7E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK		7.4E-07			8.9E-08	9.4E-08	9.4E-08	9.4E-08		8.9E-08	9.4E-07	9.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-561A	SB-562	SB-562	SB-562	SB-563	SB-563	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566
SAMPLE ID	SB-561A-8	SB-562-4	SB-562-6	SB-562-8	SB-563-4	SB-563-6	SB-563-8	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8
SAMPLE DATE	20081111	20081021	20081021	20081021	20081021	20081021	20081021	20081022	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	6	8	4	6	8	4	4	4	6	8
BOTTOM DEPTH	8	4	6	8	4	6	8	4	4	4	6	8
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.5E-09				1.0E-08			9.5E-09	9.5E-09	4.7E-08	1.0E-08	1.0E-08
AROCLOR-1260	9.5E-09				1.0E-08			9.5E-09	9.5E-09	7.0E-07	1.0E-08	1.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.9E-08				2.0E-08			1.9E-08	1.9E-08	7.4E-07	2.0E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	4.7E-08				5.0E-08			4.7E-08	4.7E-08	2.4E-07	5.0E-08	5.0E-08
AROCLOR-1260	4.7E-08				5.0E-08			4.7E-08	4.7E-08	3.5E-06	5.0E-08	5.0E-08
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.4E-08				9.9E-08			9.4E-08	9.4E-08	3.7E-06	9.9E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-567	SB-568	SB-568	SB-568	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569	SB-569	SB-569
SAMPLE ID	SB-567-4	SB-568-4	SB-568-4-AVG	SB-568-4-D	SB-568-6	SB-568-8	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4	SB-569-6	SB-569-8
SAMPLE DATE	20081023	20081021	20081021	20081021	20081021	20081021	20081111	20081111	20081111	20081022	20081022	20081022
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	4	6	8	10	6	8	4	6	8
BOTTOM DEPTH	4	4	4	4	6	8	10	6	8	4	6	8
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.5E-09	9.5E-09	9.5E-09	9.5E-09			1.0E-08	9.5E-09	9.5E-09	1.9E-07	1.0E-08	9.5E-09
AROCLOR-1260	9.5E-09	8.9E-08	6.6E-08	4.3E-08			1.0E-08	9.5E-09	9.5E-09	4.0E-06	3.3E-08	3.0E-07
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.9E-08	9.8E-08	7.5E-08	5.2E-08			2.0E-08	1.9E-08	1.9E-08	4.2E-06	4.3E-08	3.1E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	4.7E-08	4.7E-08	4.7E-08	4.7E-08			5.0E-08	4.7E-08	4.7E-08	9.4E-07	5.0E-08	4.7E-08
AROCLOR-1260	4.7E-08	4.4E-07	3.3E-07	2.1E-07			5.0E-08	4.7E-08	4.7E-08	2.0E-05	1.6E-07	1.5E-06
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.4E-08	4.9E-07	3.7E-07	2.6E-07			9.9E-08	9.4E-08	9.4E-08	2.1E-05	2.1E-07	1.5E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-570	SB-570	SB-570	SB-570A	SB-570A	SB-570A	SB-571
SAMPLE ID	SB-570-4	SB-570-6	SB-570-8	SB-570A-10	SB-570A-6	SB-570A-8	SB-571-4
SAMPLE DATE	20081022	20081022	20081022	20081111	20081111	20081111	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	6	8	4
BOTTOM DEPTH	4	6	8	10	6	8	4
INDUSTRIAL							
1,2,3-TRICHLOROBENZENE							
1,2,4-TRICHLOROBENZENE							
1,3-DICHLOROBENZENE							
1,4-DICHLOROBENZENE							
BAP EQUIVALENT-HALFND							
NAPHTHALENE							
AROCLOR-1254	1.8E-08			9.0E-09	9.5E-09	9.5E-09	9.0E-09
AROCLOR-1260	3.9E-07			3.4E-08	9.5E-09	9.5E-09	9.0E-09
ARSENIC							
COBALT							
IRON							
LEAD							
MANGANESE							
MERCURY							
VANADIUM							
HEXAVALENT CHROMIUM							
TOTAL CANCER RISK	4.1E-07			4.3E-08	1.9E-08	1.9E-08	1.8E-08
RESIDENTIAL							
1,2,3-TRICHLOROBENZENE							
1,2,4-TRICHLOROBENZENE							
1,3-DICHLOROBENZENE							
1,4-DICHLOROBENZENE							
BAP EQUIVALENT-HALFND							
NAPHTHALENE							
AROCLOR-1254	8.9E-08			4.5E-08	4.7E-08	4.7E-08	4.5E-08
AROCLOR-1260	1.9E-06			1.7E-07	4.7E-08	4.7E-08	4.5E-08
ARSENIC							
COBALT							
IRON							
LEAD							
MANGANESE							
MERCURY							
VANADIUM							
HEXAVALENT CHROMIUM							
TOTAL CANCER RISK	2.0E-06			2.1E-07	9.4E-08	9.4E-08	8.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-818	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819	SB-819	SB-819	SB-819	SB-820	SB-820
SAMPLE ID	E-SB-818-03	E-SB-818-05	E-SB-818-07	E-SB-818-09	E-SB-819-03	E-SB-819-05	E-SB-819-07	SB-819-07-AV	E-SB-819-07-D	E-SB-819-09	E-SB-820-03	E-SB-820-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	7	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	5	7	7	7	9	3	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	6.3E-04	7.7E-04	7.0E-04	7.7E-04	6.3E-04	7.0E-04	6.3E-04	6.1E-04	5.9E-04	7.0E-04	6.6E-04	7.0E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.3E-04	7.7E-04	7.0E-04	7.7E-04	6.3E-04	7.0E-04	6.3E-04	6.1E-04	5.9E-04	7.0E-04	6.6E-04	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.0E-03	9.8E-03	8.9E-03	9.8E-03	8.0E-03	8.9E-03	8.0E-03	7.8E-03	7.6E-03	8.9E-03	8.5E-03	8.9E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.0E-03	9.8E-03	8.9E-03	9.8E-03	8.0E-03	8.9E-03	8.0E-03	7.8E-03	7.6E-03	8.9E-03	8.5E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-820	SB-820	SB-821	SB-821	SB-821	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-822
SAMPLE ID	E-SB-820-07	E-SB-820-09	E-SB-821-03	E-SB-821-05	E-SB-821-07	E-SB-821-09	SB-821-09-AV	E-SB-821-09-D	E-SB-822-03	E-SB-822-05	SB-822-05-AV	E-SB-822-05-D
SAMPLE DATE	20100915	20100915	20100916	20100916	20100916	20100916	20100916	20100916	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	9	9	3	5	5	5
BOTTOM DEPTH	7	9	3	5	7	9	9	9	3	5	5	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	6.6E-04	7.0E-04	7.3E-04	6.6E-04	7.0E-04	7.7E-04	7.5E-04	7.3E-04	7.0E-04	7.3E-04	7.3E-04	7.3E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.6E-04	7.0E-04	7.3E-04	6.6E-04	7.0E-04	7.7E-04	7.5E-04	7.3E-04	7.0E-04	7.3E-04	7.3E-04	7.3E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.5E-03	8.9E-03	9.3E-03	8.5E-03	8.9E-03	9.8E-03	9.6E-03	9.3E-03	8.9E-03	9.3E-03	9.3E-03	9.3E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.5E-03	8.9E-03	9.3E-03	8.5E-03	8.9E-03	9.8E-03	9.6E-03	9.3E-03	8.9E-03	9.3E-03	9.3E-03	9.3E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-822	SB-822	SB-823	SB-823	SB-824	SB-824	SB-824	SB-824	SB-824	SB-824	SB-825	SB-825
SAMPLE ID	E-SB-822-07	E-SB-822-09	E-SB-823-05	E-SB-823-07	E-SB-824-03	E-SB-824-05	E-SB-824-07	E-SB-824-07-AV	E-SB-824-07-D	E-SB-824-09	E-SB-825-03	E-SB-825-05
SAMPLE DATE	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100915	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	5	7	3	5	7	7	7	9	3	5
BOTTOM DEPTH	7	9	5	7	3	5	7	7	7	9	3	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.0E-04	7.0E-04	7.3E-04	7.3E-04	6.6E-04	6.6E-04	7.0E-04	7.0E-04	7.0E-04	7.3E-04	6.6E-04	7.3E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.0E-04	7.0E-04	7.3E-04	7.3E-04	6.6E-04	6.6E-04	7.0E-04	7.0E-04	7.0E-04	7.3E-04	6.6E-04	7.3E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.9E-03	8.9E-03	9.3E-03	9.3E-03	8.5E-03	8.5E-03	8.9E-03	8.9E-03	8.9E-03	9.3E-03	8.5E-03	9.3E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.9E-03	8.9E-03	9.3E-03	9.3E-03	8.5E-03	8.5E-03	8.9E-03	8.9E-03	8.9E-03	9.3E-03	8.5E-03	9.3E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-825	SB-825	SB-826	SB-826	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827	SB-827	SB-828
SAMPLE ID	E-SB-825-07	E-SB-825-09	E-SB-826-05	E-SB-826-07	E-SB-826-09	SB-826-09-AV	E-SB-826-09-D	E-SB-827-03	E-SB-827-05	E-SB-827-07	E-SB-827-09	E-SB-828-03
SAMPLE DATE	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	5	7	9	9	9	3	5	7	9	3
BOTTOM DEPTH	7	9	5	7	9	9	9	3	5	7	9	3
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	1.4E-02	7.0E-01	7.0E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	1.4E-02	7.0E-01	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	1.7E-01	8.9E+00	8.9E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	1.7E-01	8.9E+00	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-828	SB-829	SB-829	SB-829	SB-829	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831
SAMPLE ID	E-SB-828-09	E-SB-829-03	E-SB-829-05	E-SB-829-07	E-SB-829-09	E-SB-830-03	E-SB-830-05	E-SB-830-07	E-SB-830-09	E-SB-831-03	E-SB-831-05	E-SB-831-07
SAMPLE DATE	20100916	20100917	20100917	20100917	20100917	20100914	20100914	20100914	20100914	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.3E-04	7.0E-04	7.0E-04	8.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.3E-04	7.0E-04	6.3E-04	7.0E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.3E-04	7.0E-04	7.0E-04	8.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.3E-04	7.0E-04	6.3E-04	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.3E-03	8.9E-03	8.9E-03	1.0E-02	8.9E-03	8.9E-03	8.9E-03	8.9E-03	9.3E-03	8.9E-03	8.0E-03	8.9E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.3E-03	8.9E-03	8.9E-03	1.0E-02	8.9E-03	8.9E-03	8.9E-03	8.9E-03	9.3E-03	8.9E-03	8.0E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-831	SB-832	SB-832	SB-832	SB-833	SB-833	SB-833	SB-833	SB-833A	SB-833A	SB-833B	SB-833B
SAMPLE ID	E-SB-831-09	E-SB-832-05	E-SB-832-07	E-SB-832-09	E-SB-833-03	E-SB-833-05	E-SB-833-07	E-SB-833-09	E-SB-833A-06	E-SB-833A-10	E-SB-833B-04	E-SB-833B-06
SAMPLE DATE	20100913	20100917	20100917	20100917	20100916	20100916	20100916	20100916	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	5	7	9	3	5	7	9	6	10	4	6
BOTTOM DEPTH	9	5	7	9	3	5	7	9	6	10	4	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE								1.3E+00	1.1E-02	8.6E-02	8.6E-08	1.3E-06
1,2,4-TRICHLOROBENZENE								2.7E+01	4.0E-01	2.4E+00	9.8E-07	3.4E-05
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE								3.9E-03	5.0E-04	8.3E-04	7.1E-09	8.4E-09
BAP EQUIVALENT-HALFND												
NAPHTHALENE								6.9E-03	3.9E-04	5.8E-04	3.9E-05	5.4E-05
AROCLOR-1254	7.0E-04	7.0E-04	8.4E-04	7.7E-04	7.0E-04	7.0E-04	7.0E-04	3.8E+01	7.3E+00	7.3E+00	7.0E-04	7.3E-04
AROCLOR-1260												
ARSENIC								1.4E-03				
COBALT								9.8E-03				
IRON								8.6E-03				
LEAD												
MANGANESE								1.2E-03				
MERCURY								4.7E-05				
VANADIUM								3.3E-04				
HEXAVALENT CHROMIUM								1.6E-04				
TOTAL HAZARD INDEX	7.0E-04	7.0E-04	8.4E-04	7.7E-04	7.0E-04	7.0E-04	7.0E-04	6.7E+01	7.7E+00	9.8E+00	7.4E-04	8.2E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE								3.5E+01	2.9E-01	2.2E+00	2.2E-06	3.5E-05
1,2,4-TRICHLOROBENZENE								1.2E+02	1.8E+00	1.1E+01	4.5E-06	1.6E-04
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE								3.7E-02	4.8E-03	7.9E-03	6.8E-08	8.0E-08
BAP EQUIVALENT-HALFND												
NAPHTHALENE								3.2E-02	1.8E-03	2.7E-03	1.8E-04	2.5E-04
AROCLOR-1254	8.9E-03	8.9E-03	1.1E-02	9.8E-03	8.9E-03	8.9E-03	8.9E-03	4.9E+02	9.3E+01	9.3E+01	8.9E-03	9.3E-03
AROCLOR-1260												
ARSENIC								2.8E-02				
COBALT								2.3E-01				
IRON								2.0E-01				
LEAD												
MANGANESE								1.2E-02				
MERCURY								6.0E-04				
VANADIUM								7.9E-03				
HEXAVALENT CHROMIUM								1.4E-03				
TOTAL HAZARD INDEX	8.9E-03	8.9E-03	1.1E-02	9.8E-03	8.9E-03	8.9E-03	8.9E-03	6.5E+02	9.6E+01	1.1E+02	9.1E-03	9.8E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833B	SB-833B	SB-833C	SB-833C	SB-833C	SB-833C	SB-833D	SB-833D	SB-833D	SB-833D	SB-833E	SB-833E
SAMPLE ID	E-SB-833B-08	E-SB-833B-10	E-SB-833C-04	E-SB-833C-06	E-SB-833C-08	E-SB-833C-10	E-SB-833D-04	E-SB-833D-06	E-SB-833D-08	E-SB-833D-10	E-SB-833E-06	E-SB-833E-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	10	4	6	8	10	4	6	8	10	6	10
BOTTOM DEPTH	8	10	4	6	8	10	4	6	8	10	6	10
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	1.3E-06	1.0E-07	1.0E-07	1.0E-07	1.1E-07	8.9E-08	9.5E-08	3.7E-07	4.0E-05	3.4E-06	3.2E-02	5.6E-04
1,2,4-TRICHLOROBENZENE	3.1E-05	2.0E-06	9.4E-07	1.3E-06	1.1E-06	6.9E-07	8.1E-07	3.8E-06	3.1E-04	7.4E-05	7.4E-01	1.3E-02
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	7.7E-09	8.9E-09	8.4E-09	8.4E-09	9.2E-09	7.6E-09	8.2E-09	9.3E-09	4.2E-07	2.4E-07	8.0E-05	4.2E-06
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.5E-04	8.2E-05	2.9E-04	2.4E-06	2.5E-06	2.6E-06	2.5E-06	2.6E-06	7.8E-05	2.4E-05	4.8E-05	2.4E-06
AROCLOR-1254	7.0E-04	3.5E-03	7.0E-04	7.0E-04	7.0E-04	7.3E-04	7.3E-04	7.7E-04	7.0E-04	7.7E-04	3.4E-01	7.0E-02
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.8E-04	3.6E-03	9.9E-04	7.0E-04	7.0E-04	7.3E-04	7.3E-04	7.7E-04	1.1E-03	8.7E-04	1.1E+00	8.4E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	3.4E-05	2.7E-06	2.6E-06	2.6E-06	2.9E-06	2.3E-06	2.5E-06	9.6E-06	1.0E-03	8.8E-05	8.3E-01	1.5E-02
1,2,4-TRICHLOROBENZENE	1.4E-04	9.1E-06	4.3E-06	6.1E-06	5.1E-06	3.2E-06	3.7E-06	1.8E-05	1.4E-03	3.4E-04	3.4E+00	6.1E-02
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	7.3E-08	8.4E-08	8.0E-08	8.0E-08	8.7E-08	7.2E-08	7.7E-08	8.9E-08	3.9E-06	2.3E-06	7.6E-04	3.9E-05
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.2E-03	3.8E-04	1.3E-03	1.1E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05	3.6E-04	1.1E-04	2.3E-04	1.1E-05
AROCLOR-1254	8.9E-03	4.4E-02	8.9E-03	8.9E-03	8.9E-03	9.3E-03	9.3E-03	9.8E-03	8.9E-03	9.8E-03	4.4E+00	8.9E-01
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	1.0E-02	4.5E-02	1.0E-02	8.9E-03	8.9E-03	9.4E-03	9.4E-03	9.8E-03	1.2E-02	1.0E-02	8.6E+00	9.7E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833F	SB-833F	SB-833F	SB-833F	SB-833G	SB-833G	SB-833G	SB-833H	SB-833H	SB-833H	SB-833I	SB-833I
SAMPLE ID	E-SB-833F-04	E-SB-833F-06	E-SB-833F-08	E-SB-833F-10	E-SB-833G-06	E-SB-833G-08	E-SB-833G-10	E-SB-833H-06	E-SB-833H-08	E-SB-833H-10	E-SB-833I-08	E-SB-833I-10
SAMPLE DATE	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101012	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	6	8	10	6	8	10	8	10
BOTTOM DEPTH	4	6	8	10	6	8	10	6	8	10	8	10
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	2.1E-04	2.3E-04	2.0E-04	9.2E-05	1.2E-06	2.5E-06	9.8E-08	3.6E-06	1.1E-04	1.2E-05	1.3E-02	6.7E-03
1,2,4-TRICHLOROBENZENE	4.3E-03	5.1E-03	4.3E-03	2.0E-03	2.1E-05	6.0E-05	9.5E-07	1.1E-04	2.7E-03	2.7E-04	3.1E-01	1.9E-01
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	2.6E-06	3.3E-06	2.8E-06	1.7E-06	4.7E-08	1.1E-06	5.3E-07	8.9E-07	4.2E-06	2.9E-07	8.6E-05	6.8E-05
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.4E-06	2.1E-05	2.6E-06	2.6E-06	2.6E-06	2.5E-06	2.4E-06	2.9E-05	2.4E-06	2.5E-06	2.5E-05	2.4E-05
AROCLOR-1254	7.0E-04	7.3E-03	7.3E-04	7.3E-03	7.7E-04	7.3E-04	7.0E-04	7.0E-04	7.0E-04	7.3E-04	7.3E-01	7.0E-01
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	5.2E-03	1.3E-02	5.2E-03	9.5E-03	7.9E-04	8.0E-04	7.0E-04	8.4E-04	3.6E-03	1.0E-03	1.1E+00	8.9E-01
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	5.4E-03	6.1E-03	5.1E-03	2.4E-03	3.2E-05	6.6E-05	2.6E-06	9.4E-05	2.9E-03	3.0E-04	3.4E-01	1.8E-01
1,2,4-TRICHLOROBENZENE	1.9E-02	2.3E-02	1.9E-02	9.3E-03	9.7E-05	2.7E-04	4.3E-06	4.9E-04	1.3E-02	1.2E-03	1.4E+00	8.6E-01
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	2.5E-05	3.1E-05	2.6E-05	1.6E-05	4.5E-07	1.1E-05	5.1E-06	8.4E-06	3.9E-05	2.8E-06	8.2E-04	6.5E-04
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.1E-05	1.0E-04	1.2E-05	1.2E-05	1.2E-05	1.2E-05	1.1E-05	1.3E-04	1.1E-05	1.2E-05	1.2E-04	1.1E-04
AROCLOR-1254	8.9E-03	9.3E-02	9.3E-03	9.3E-02	9.8E-03	9.3E-03	8.9E-03	8.9E-03	8.9E-03	9.3E-03	9.3E+00	8.9E+00
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	3.4E-02	1.2E-01	3.4E-02	1.1E-01	9.9E-03	9.7E-03	8.9E-03	9.6E-03	2.4E-02	1.1E-02	1.1E+01	9.9E+00

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833J	SB-833J	SB-833J	SB-833J	SB-833K	SB-833K	SB-833K	SB-833L	SB-833L	SB-833L	SB-833M	SB-833M
SAMPLE ID	E-SB-833J-04	E-SB-833J-06	E-SB-833J-08	E-SB-833J-10	E-SB-833K-06	E-SB-833K-08	E-SB-833K-10	E-SB-833L-04	E-SB-833L-06	E-SB-833L-08	E-SB-833M-04	E-SB-833M-06
SAMPLE DATE	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013	20101013
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	8	10	6	8	10	4	6	8	4	6
BOTTOM DEPTH	4	6	8	10	6	8	10	4	6	8	4	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	1.1E-07	9.5E-08	9.5E-08	5.4E-05	1.3E-02	2.3E-04	3.5E-03	2.6E-04	1.4E-04	4.7E-02	1.1E-07	3.3E-06
1,2,4-TRICHLOROBENZENE	1.6E-06	1.6E-06	6.5E-07	1.5E-03	3.4E-01	4.8E-03	7.9E-02	5.4E-03	2.8E-03	1.2E+00	1.4E-06	7.1E-05
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	9.0E-09	8.0E-09	8.2E-09	5.9E-07	4.4E-05	2.9E-06	7.4E-06	2.0E-06	8.0E-07	1.3E-04	9.2E-09	7.6E-09
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.4E-06	2.5E-06	2.4E-06	2.6E-06	2.4E-05	2.4E-06	2.4E-05	2.4E-06	2.5E-06	2.4E-05	2.5E-06	2.4E-06
AROCLOR-1254	7.0E-04	7.0E-04	7.0E-04	7.3E-04	3.5E+00	1.4E-01	7.0E-01	7.0E-04	1.4E-02	3.4E+00	1.4E-03	3.4E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.0E-04	7.0E-04	7.0E-04	2.3E-03	3.8E+00	1.4E-01	7.8E-01	6.3E-03	1.7E-02	4.7E+00	1.4E-03	3.5E-03
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	2.8E-06	2.5E-06	2.5E-06	1.4E-03	3.5E-01	5.9E-03	9.3E-02	6.7E-03	3.7E-03	1.2E+00	2.9E-06	8.6E-05
1,2,4-TRICHLOROBENZENE	7.1E-06	7.1E-06	3.0E-06	6.7E-03	1.6E+00	2.2E-02	3.6E-01	2.5E-02	1.3E-02	5.3E+00	6.4E-06	3.2E-04
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	8.6E-08	7.6E-08	7.7E-08	5.6E-06	4.2E-04	2.8E-05	7.0E-05	1.9E-05	7.6E-06	1.2E-03	8.7E-08	7.2E-08
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.1E-05	1.2E-05	1.1E-05	1.2E-05	1.1E-04	1.1E-05	1.1E-04	1.1E-05	1.2E-05	1.1E-04	1.2E-05	1.1E-05
AROCLOR-1254	8.9E-03	8.9E-03	8.9E-03	9.3E-03	4.4E+01	1.8E+00	8.9E+00	8.9E-03	1.8E-01	4.4E+01	1.8E-02	4.4E-02
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.9E-03	8.9E-03	8.9E-03	1.8E-02	4.6E+01	1.8E+00	9.4E+00	4.0E-02	2.0E-01	5.1E+01	1.8E-02	4.4E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-833M	SB-833M	SB-833N	SB-833N	SB-833N	SB-833N	SB-001	SB-001	SB-002	SB-002	SB-003
SAMPLE ID	E-SB-833M-08	E-SB-833M-10	E-SB-833N-04	E-SB-833N-06	E-SB-833N-08	E-SB-833N-10	SB-1-05	SB-1-10	SB-2-05	SB-2-10	SB-3-05
SAMPLE DATE	20101013	20101013	20101014	20101014	20101014	20101014	20031120	20031120	20031120	20031120	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	10	4	6	8	10	5	10	5	10	5
BOTTOM DEPTH	8	10	4	6	8	10	5	10	5	10	5
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE	1.1E-07	1.0E-07	9.8E-08	1.1E-07	1.1E-07	4.3E-07	2.1E-06	2.1E-06	2.1E-06	2.1E-06	2.1E-06
1,2,4-TRICHLOROBENZENE	9.6E-07	9.6E-07	3.3E-07	3.5E-07	7.2E-07	1.7E-05	9.9E-06	9.9E-06	9.9E-06	9.9E-06	9.9E-06
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE	9.2E-09	8.4E-09	8.3E-09	9.2E-09	9.3E-09	9.0E-09	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.5E-06	2.5E-06	2.5E-05	2.6E-05	2.5E-05	1.0E-05	3.0E-04	2.8E-04	2.8E-04	2.8E-04	2.8E-04
AROCLOR-1254	1.4E-03	7.0E-04	7.3E-04	7.3E-04	3.5E-03	3.5E-03	2.5E-03	2.3E-03	2.3E-03	2.3E-03	2.3E-03
AROCLOR-1260											
ARSENIC							1.3E-02	4.1E-03	4.8E-03	2.0E-03	3.4E-03
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY							3.3E-04	3.1E-04	3.1E-04	3.1E-04	3.1E-04
VANADIUM											
HEXAVALENT CHROMIUM							1.3E-03	3.3E-04	8.7E-05	8.5E-05	1.7E-04
TOTAL HAZARD INDEX	1.4E-03	7.0E-04	7.6E-04	7.6E-04	3.5E-03	3.5E-03	1.7E-02	7.4E-03	7.8E-03	5.0E-03	6.4E-03
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE	2.9E-06	2.6E-06	2.6E-06	2.8E-06	2.9E-06	1.1E-05	5.6E-05	5.6E-05	5.6E-05	5.6E-05	5.6E-05
1,2,4-TRICHLOROBENZENE	4.4E-06	4.4E-06	1.5E-06	1.6E-06	3.3E-06	7.7E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05	4.5E-05
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE	8.7E-08	8.0E-08	7.9E-08	8.7E-08	8.9E-08	8.6E-08	9.9E-07	9.9E-07	9.9E-07	9.9E-07	9.9E-07
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.2E-05	1.2E-05	1.2E-04	1.2E-04	1.2E-04	4.7E-05	1.4E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03
AROCLOR-1254	1.8E-02	8.9E-03	9.3E-03	9.3E-03	4.4E-02	4.4E-02	3.2E-02	3.0E-02	3.0E-02	2.9E-02	2.9E-02
AROCLOR-1260											
ARSENIC							2.5E-01	8.3E-02	9.7E-02	4.0E-02	6.9E-02
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY							4.2E-03	3.9E-03	3.9E-03	3.9E-03	3.9E-03
VANADIUM											
HEXAVALENT CHROMIUM							1.2E-02	2.9E-03	7.7E-04	7.5E-04	1.5E-03
TOTAL HAZARD INDEX	1.8E-02	8.9E-03	9.5E-03	9.5E-03	4.5E-02	4.5E-02	3.0E-01	1.2E-01	1.3E-01	7.6E-02	1.1E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-003	SB-004	SB-004	SB-035	SB-036	SB-500	SB-500	SB-501	SB-501	SB-502	SB-502	SB-503
SAMPLE ID	SB-3-10	SB-4-05	SB-4-10	SB-35-04	SB-36-05	SB-500-0406	SB-500-0810	SB-501-0406	SB-501-0810	SB-502-0406	SB-502-0810	SB-503-0406
SAMPLE DATE	20031120	20031120	20031120	20040922	20040917	20071127	20071127	20071127	20071127	20071127	20071127	20071127
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	4	5	4	8	4	8	4	8	4
BOTTOM DEPTH	10	5	10	4	5	6	10	6	10	6	10	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	2.1E-06	2.1E-06	2.1E-06	1.8E-06	1.8E-06	1.7E-06	1.8E-06	1.3E-03	8.6E-03	1.3E-05	4.3E-04	1.9E-06
1,2,4-TRICHLOROBENZENE	9.9E-06	9.9E-06	9.9E-06	8.5E-06	8.5E-06	7.9E-06	8.5E-06	1.4E-02	2.0E-01	2.0E-04	1.0E-02	8.6E-06
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	1.0E-07	1.0E-07	1.0E-07	8.9E-08	8.9E-08	8.3E-08	8.9E-08	5.0E-07	1.9E-05	8.6E-08	4.3E-06	9.0E-08
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.8E-04	2.9E-04	2.8E-04	2.4E-04	2.5E-04	2.3E-04	2.5E-04	2.3E-04	2.4E-04	2.4E-04	2.4E-03	2.5E-04
AROCLOR-1254	2.3E-03	2.4E-03	2.4E-03	9.8E-03	1.0E-02	1.3E-03	1.4E-03	2.6E-02	1.4E-01	2.7E-01	6.6E-01	7.0E-03
AROCLOR-1260												
ARSENIC	3.7E-03	1.1E-02	5.5E-03	3.7E-03	3.0E-03	7.1E-04	1.7E-03	2.5E-03	2.1E-03	3.0E-03	1.3E-03	9.6E-04
COBALT						2.2E-03	3.2E-03	3.2E-03	7.6E-03	2.0E-03	1.2E-03	3.3E-04
IRON						7.8E-03	8.6E-03	6.1E-03	2.0E-02	4.4E-03	3.2E-03	1.6E-03
LEAD												
MANGANESE						1.7E-03	1.7E-03	2.6E-03	6.3E-03	3.9E-03	3.5E-03	3.1E-04
MERCURY	3.1E-04	3.3E-04	3.3E-04	2.4E-04	2.6E-04	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.5E-05	4.7E-05
VANADIUM						1.2E-03	1.9E-03	7.9E-04	2.3E-03	8.0E-04	4.4E-04	5.9E-04
HEXAVALENT CHROMIUM	1.3E-04	1.4E-03	3.6E-04	5.1E-04	2.9E-04	3.8E-04	5.5E-04	3.1E-04	8.0E-04	3.0E-04	1.7E-04	1.6E-04
TOTAL HAZARD INDEX	6.7E-03	1.6E-02	8.8E-03	1.4E-02	1.4E-02	1.6E-02	1.9E-02	5.6E-02	3.8E-01	2.8E-01	6.9E-01	1.1E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	5.6E-05	5.6E-05	5.6E-05	4.8E-05	4.8E-05	4.5E-05	4.8E-05	3.4E-02	2.2E-01	3.4E-04	1.1E-02	4.9E-05
1,2,4-TRICHLOROBENZENE	4.5E-05	4.5E-05	4.5E-05	3.9E-05	3.9E-05	3.6E-05	3.9E-05	6.2E-02	9.0E-01	9.2E-04	4.8E-02	4.0E-05
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	9.9E-07	9.9E-07	9.9E-07	8.4E-07	8.4E-07	7.9E-07	8.4E-07	4.8E-06	1.8E-04	8.2E-07	4.1E-05	8.6E-07
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.3E-03	1.3E-03	1.3E-03	1.1E-03	1.2E-03	1.1E-03	1.2E-03	1.1E-03	1.1E-03	1.1E-03	1.1E-02	1.2E-03
AROCLOR-1254	2.9E-02	3.1E-02	3.0E-02	1.2E-01	1.3E-01	1.6E-02	1.8E-02	3.3E-01	1.7E+00	3.4E+00	8.5E+00	8.9E-02
AROCLOR-1260												
ARSENIC	7.4E-02	2.3E-01	1.1E-01	7.4E-02	6.0E-02	1.4E-02	3.4E-02	5.1E-02	4.3E-02	6.0E-02	2.5E-02	1.9E-02
COBALT						5.3E-02	7.5E-02	7.5E-02	1.8E-01	4.8E-02	2.9E-02	7.9E-03
IRON						1.9E-01	2.0E-01	1.4E-01	4.8E-01	1.0E-01	7.6E-02	3.7E-02
LEAD												
MANGANESE						1.8E-02	1.7E-02	2.6E-02	6.4E-02	4.0E-02	3.6E-02	3.2E-03
MERCURY	3.9E-03	4.2E-03	4.2E-03	3.0E-03	3.3E-03	5.7E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	5.7E-04	6.0E-04
VANADIUM						2.8E-02	4.5E-02	1.9E-02	5.4E-02	1.9E-02	1.1E-02	1.4E-02
HEXAVALENT CHROMIUM	1.2E-03	1.2E-02	3.2E-03	4.5E-03	2.5E-03	3.3E-03	4.9E-03	2.7E-03	7.1E-03	2.7E-03	1.5E-03	1.4E-03
TOTAL HAZARD INDEX	1.1E-01	2.7E-01	1.5E-01	2.1E-01	2.0E-01	3.2E-01	4.0E-01	7.4E-01	3.7E+00	3.7E+00	8.7E+00	1.7E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-504	SB-504	SB-505	SB-505	SB-506	SB-506	SB-507	SB-507	SB-508	SB-508	SB-508	SB-508
SAMPLE ID	SB-504-0406	SB-504-0810	SB-505-0406	SB-505-0810	SB-506-0406	SB-506-0810	SB-507-0406	SB-507-0810	SB-508-0406	B-508-0406-AV	SB-508-0406-D	SB-508-0810
SAMPLE DATE	20071127	20071127	20071127	20071127	20071128	20071128	20071128	20071128	20071128	20071128	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	4	8	4	8	4	8	4	4	4	8
BOTTOM DEPTH	6	10	6	10	6	10	6	10	6	6	6	10
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	1.7E-06	1.8E-06	1.8E-06	1.9E-06	1.8E-06	2.0E-06	1.9E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06
1,2,4-TRICHLOROBENZENE	1.3E-06	8.9E-07	8.2E-06	6.4E-07	8.2E-06	9.1E-06	8.8E-06	8.2E-06	8.2E-06	8.3E-06	8.4E-06	8.5E-06
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	8.4E-08	8.6E-08	8.6E-08	9.3E-08	8.6E-08	9.5E-08	9.2E-08	8.6E-08	8.6E-08	8.7E-08	8.7E-08	8.9E-08
BAP EQUIVALENT-HALFND												
NAPHTHALENE	4.1E-04	2.8E-05	2.4E-04	2.6E-04	2.4E-04	2.6E-04	2.6E-04	2.4E-04	2.4E-04	2.4E-04	2.4E-04	2.5E-04
AROCLOR-1254	6.6E-02	1.3E-02	1.3E-03	7.3E-03	1.3E-03	1.5E-03	1.4E-03	1.3E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03
AROCLOR-1260												
ARSENIC	4.6E-03	2.7E-03	2.7E-03	3.9E-03	3.7E-03	2.3E-03	5.2E-03	2.5E-03	3.2E-03	2.7E-03	2.3E-03	9.6E-04
COBALT	1.6E-02	8.4E-03	1.2E-02	8.5E-03	6.1E-03	4.5E-03	6.1E-03	2.2E-03	4.3E-03	3.7E-03	3.2E-03	6.5E-03
IRON	1.2E-02	1.5E-02	1.4E-02	1.3E-02	7.0E-03	4.9E-03	1.1E-02	3.0E-03	1.4E-02	1.2E-02	9.0E-03	6.8E-03
LEAD												
MANGANESE	7.9E-03	1.5E-02	3.1E-03	2.8E-03	3.7E-03	2.6E-03	4.0E-03	7.2E-04	1.3E-03	6.5E-03	1.2E-02	1.7E-03
MERCURY	3.7E-04	1.4E-03	4.5E-05	4.9E-05	4.5E-05	4.9E-05	4.9E-05	4.5E-05	4.5E-05	4.6E-05	4.7E-05	4.7E-05
VANADIUM	2.0E-03	2.2E-03	2.1E-03	1.8E-03	1.8E-03	8.4E-04	1.9E-03	1.6E-03	2.2E-03	1.8E-03	1.5E-03	1.5E-03
HEXAVALENT CHROMIUM	6.6E-04	6.8E-04	5.2E-04	6.6E-04	4.5E-04	2.3E-04	5.7E-04	3.8E-04	4.7E-04	4.0E-04	3.4E-04	6.8E-04
TOTAL HAZARD INDEX	1.1E-01	5.9E-02	3.6E-02	3.9E-02	2.4E-02	1.7E-02	3.0E-02	1.2E-02	2.7E-02	2.8E-02	3.0E-02	2.0E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	4.6E-05	4.6E-05	4.6E-05	5.0E-05	4.6E-05	5.1E-05	5.0E-05	4.6E-05	4.6E-05	4.7E-05	4.7E-05	4.8E-05
1,2,4-TRICHLOROBENZENE	6.2E-06	4.1E-06	3.8E-05	2.9E-06	3.8E-05	4.2E-05	4.0E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.9E-05
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	8.0E-07	8.2E-07	8.2E-07	8.9E-07	8.2E-07	9.0E-07	8.7E-07	8.2E-07	8.2E-07	8.2E-07	8.3E-07	8.4E-07
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.9E-03	1.3E-04	1.1E-03	1.2E-03	1.1E-03	1.2E-03	1.2E-03	1.1E-03	1.1E-03	1.1E-03	1.1E-03	1.2E-03
AROCLOR-1254	8.5E-01	1.7E-01	1.7E-02	9.3E-02	1.7E-02	1.9E-02	1.8E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.8E-02
AROCLOR-1260												
ARSENIC	9.2E-02	5.5E-02	5.5E-02	7.9E-02	7.4E-02	4.6E-02	1.1E-01	5.1E-02	6.5E-02	5.5E-02	4.6E-02	1.9E-02
COBALT	3.8E-01	2.0E-01	2.8E-01	2.0E-01	1.4E-01	1.1E-01	1.4E-01	5.3E-02	1.0E-01	8.8E-02	7.5E-02	1.5E-01
IRON	2.9E-01	3.5E-01	3.3E-01	3.2E-01	1.7E-01	1.2E-01	2.6E-01	7.1E-02	3.3E-01	2.7E-01	2.1E-01	1.6E-01
LEAD												
MANGANESE	8.1E-02	1.5E-01	3.1E-02	2.9E-02	3.8E-02	2.7E-02	4.1E-02	7.4E-03	1.3E-02	6.7E-02	1.2E-01	1.7E-02
MERCURY	4.7E-03	1.7E-02	5.7E-04	6.3E-04	5.7E-04	6.3E-04	6.3E-04	5.7E-04	5.7E-04	5.8E-04	6.0E-04	6.0E-04
VANADIUM	4.8E-02	5.3E-02	4.9E-02	4.2E-02	4.2E-02	2.0E-02	4.6E-02	3.8E-02	5.2E-02	4.4E-02	3.5E-02	3.5E-02
HEXAVALENT CHROMIUM	5.8E-03	6.0E-03	4.6E-03	5.8E-03	3.9E-03	2.0E-03	5.0E-03	3.4E-03	4.1E-03	3.6E-03	3.0E-03	6.0E-03
TOTAL HAZARD INDEX	1.7E+00	1.0E+00	7.7E-01	7.7E-01	4.9E-01	3.4E-01	6.2E-01	2.4E-01	5.9E-01	5.5E-01	5.1E-01	4.1E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-509	SB-509	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-835	SB-836	SB-836	SB-836
SAMPLE ID	SB-509-0406	SB-509-0810	E-SB-834-05	E-SB-834-07	E-SB-834-09	E-SB-835-03	E-SB-835-05	E-SB-835-07	E-SB-835-09	E-SB-836-03	E-SB-836-05	E-SB-836-07
SAMPLE DATE	20071129	20071129	20100916	20100916	20100916	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	8	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	6	10	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	1.8E-06	1.7E-06										
1,2,4-TRICHLOROBENZENE	8.2E-06	8.1E-06										
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	8.6E-08	8.4E-08										
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.4E-04	2.4E-04										
AROCLOR-1254	1.3E-03	1.3E-03	8.0E-04	7.0E-04	7.7E-04	6.6E-04	7.3E-04	7.3E-04	7.0E-03	8.0E-04	7.0E-04	7.0E-04
AROCLOR-1260												
ARSENIC	3.9E-03	5.7E-03										
COBALT	4.3E-03	4.3E-03										
IRON	8.1E-03	8.1E-03										
LEAD												
MANGANESE	2.4E-03	2.3E-03										
MERCURY	4.5E-05	4.5E-05										
VANADIUM	1.6E-03	1.2E-03										
HEXAVALENT CHROMIUM	5.1E-04	4.3E-04										
TOTAL HAZARD INDEX	2.2E-02	2.4E-02	8.0E-04	7.0E-04	7.7E-04	6.6E-04	7.3E-04	7.3E-04	7.0E-03	8.0E-04	7.0E-04	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	4.6E-05	4.6E-05										
1,2,4-TRICHLOROBENZENE	3.8E-05	3.7E-05										
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	8.2E-07	8.0E-07										
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.1E-03	1.1E-03										
AROCLOR-1254	1.7E-02	1.7E-02	1.0E-02	8.9E-03	9.8E-03	8.5E-03	9.3E-03	9.3E-03	8.9E-02	1.0E-02	8.9E-03	8.9E-03
AROCLOR-1260												
ARSENIC	7.9E-02	1.2E-01										
COBALT	1.0E-01	1.0E-01										
IRON	1.9E-01	1.9E-01										
LEAD												
MANGANESE	2.5E-02	2.4E-02										
MERCURY	5.7E-04	5.7E-04										
VANADIUM	3.8E-02	2.8E-02										
HEXAVALENT CHROMIUM	4.5E-03	3.8E-03										
TOTAL HAZARD INDEX	4.6E-01	4.8E-01	1.0E-02	8.9E-03	9.8E-03	8.5E-03	9.3E-03	9.3E-03	8.9E-02	1.0E-02	8.9E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-836	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839
SAMPLE ID	E-SB-836-09	E-SB-837-03	E-SB-837-05	E-SB-837-07	E-SB-837-09	E-SB-838-3	E-SB-838-5	E-SB-838-7	E-SB-838-9	E-SB-839-03	E-SB-839-05	E-SB-839-07
SAMPLE DATE	20100917	20100917	20100917	20100917	20100917	20100913	20100913	20100913	20100913	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.7E-04	6.3E-04	6.6E-04	7.3E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.7E-04	6.3E-04	6.6E-04	7.3E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.8E-03	8.0E-03	8.5E-03	9.3E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.8E-03	8.0E-03	8.5E-03	9.3E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-839	SB-840	SB-840	SB-840	SB-840	SB-840	SB-840	SB-841	SB-841	SB-841	SB-841	SB-842
SAMPLE ID	E-SB-839-09	E-SB-840-03	E-SB-840-05	SB-840-05-AVE	E-SB-840-05-D	E-SB-840-07	E-SB-840-09	E-SB-841-03	E-SB-841-05	E-SB-841-07	E-SB-841-09	E-SB-842-3
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100913
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	5	5	7	9	3	5	7	9	3
BOTTOM DEPTH	9	3	5	5	5	7	9	3	5	7	9	3
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.0E-04	6.3E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	6.6E-04	6.6E-04	6.6E-04	7.0E-04	7.0E-04	6.6E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.0E-04	6.3E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	6.6E-04	6.6E-04	6.6E-04	7.0E-04	7.0E-04	6.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.9E-03	8.0E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.5E-03	8.5E-03	8.5E-03	8.9E-03	8.9E-03	8.5E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.9E-03	8.0E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	8.5E-03	8.5E-03	8.5E-03	8.9E-03	8.9E-03	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843	SB-843	SB-844	SB-844	SB-844	SB-844	SB-845
SAMPLE ID	E-SB-842-5	E-SB-842-7	E-SB-842-9	E-SB-843-03	E-SB-843-05	E-SB-843-07	E-SB-843-09	E-SB-844-03	E-SB-844-05	E-SB-844-07	E-SB-844-09	E-SB-845-03
SAMPLE DATE	20100913	20100913	20100913	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100914	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5	7	9	3
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.0E-04	7.0E-04	7.0E-04	6.6E-04	7.0E-04	7.0E-04	6.6E-04	8.0E-04	7.7E-04	7.3E-04	3.8E-03	3.1E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.0E-04	7.0E-04	7.0E-04	6.6E-04	7.0E-04	7.0E-04	6.6E-04	8.0E-04	7.7E-04	7.3E-04	3.8E-03	3.1E-03
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.9E-03	8.9E-03	8.9E-03	8.5E-03	8.9E-03	8.9E-03	8.5E-03	1.0E-02	9.8E-03	9.3E-03	4.9E-02	3.9E-02
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.9E-03	8.9E-03	8.9E-03	8.5E-03	8.9E-03	8.9E-03	8.5E-03	1.0E-02	9.8E-03	9.3E-03	4.9E-02	3.9E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-845	SB-845	SB-845	SB-846	SB-846	SB-846	SB-846	SB-847	SB-847	SB-847	SB-847	SB-005
SAMPLE ID	E-SB-845-05	E-SB-845-07	E-SB-845-09	E-SB-846-03	E-SB-846-05	E-SB-846-07	E-SB-846-09	E-SB-847-03	E-SB-847-05	E-SB-847-07	E-SB-847-09	SB-5-05
SAMPLE DATE	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20031120
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5	7	9	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5	7	9	5
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												1.8E-06
1,2,4-TRICHLOROBENZENE												8.5E-06
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												8.9E-08
BAP EQUIVALENT-HALFND												
NAPHTHALENE												2.6E-04
AROCLOR-1254	6.3E-04	7.0E-04	3.3E-03	7.0E-04	6.3E-04	7.0E-04	7.3E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	2.2E-03
AROCLOR-1260												
ARSENIC												3.2E-03
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												3.1E-04
VANADIUM												
HEXAVALENT CHROMIUM												1.2E-04
TOTAL HAZARD INDEX	6.3E-04	7.0E-04	3.3E-03	7.0E-04	6.3E-04	7.0E-04	7.3E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	6.1E-03
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												4.8E-05
1,2,4-TRICHLOROBENZENE												3.9E-05
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												8.4E-07
BAP EQUIVALENT-HALFND												
NAPHTHALENE												1.2E-03
AROCLOR-1254	8.0E-03	8.9E-03	4.2E-02	8.9E-03	8.0E-03	8.9E-03	9.3E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	2.8E-02
AROCLOR-1260												
ARSENIC												6.5E-02
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												3.9E-03
VANADIUM												
HEXAVALENT CHROMIUM												1.1E-03
TOTAL HAZARD INDEX	8.0E-03	8.9E-03	4.2E-02	8.9E-03	8.0E-03	8.9E-03	9.3E-03	8.9E-03	8.9E-03	8.9E-03	8.9E-03	9.9E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-005	SB-006	SB-006	SB-510	SB-510	SB-510	SB-510	SB-511	SB-511	SB-512	SB-512	SB-512
SAMPLE ID	SB-5-10	SB-6-05	SB-6-10	SB-510-0406	SB-510-0810	B-510-0810-AV	SB-510-0810-D	SB-511-0406	SB-511-0810	SB-512-0406	SB-512-0810	B-512-0810-AV
SAMPLE DATE	20031120	20031120	20031120	20071128	20071128	20071128	20071128	20071129	20071129	20071129	20071129	20071129
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	4	8	8	8	4	8	4	8	8
BOTTOM DEPTH	10	5	10	6	10	10	10	6	10	6	10	10
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	2.1E-06	2.1E-06	2.1E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.9E-06	1.7E-06	1.9E-06	1.9E-06
1,2,4-TRICHLOROBENZENE	9.9E-06	9.9E-06	9.9E-06	8.2E-06	8.2E-06	8.2E-06	8.2E-06	8.4E-06	8.9E-06	8.1E-06	8.9E-06	8.9E-06
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	1.0E-07	1.0E-07	1.0E-07	8.6E-08	8.6E-08	8.6E-08	8.6E-08	8.7E-08	9.3E-08	8.4E-08	9.3E-08	9.3E-08
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.8E-04	2.7E-04	2.8E-04	2.4E-04	2.4E-04	2.4E-04	2.4E-04	2.4E-04	2.6E-04	2.4E-04	2.6E-04	8.2E-05
AROCLOR-1254	2.4E-03	2.3E-03	2.3E-03	1.3E-03	1.3E-03	1.3E-03	1.4E-03	1.4E-03	1.4E-03	1.3E-03	1.4E-03	1.4E-03
AROCLOR-1260												
ARSENIC	2.5E-03	1.8E-03	4.6E-03	5.9E-04	8.2E-04	7.1E-04	5.9E-04	1.3E-03	8.0E-04	1.3E-03	1.7E-03	2.5E-03
COBALT				2.2E-03	3.5E-03	3.6E-03	3.7E-03	1.5E-03	1.9E-03	5.6E-03	4.1E-03	4.0E-03
IRON				1.2E-02	1.7E-02	1.5E-02	1.4E-02	1.0E-03	2.6E-03	1.2E-02	7.8E-03	7.5E-03
LEAD												
MANGANESE				2.4E-03	6.6E-03	4.3E-03	2.0E-03	2.0E-04	4.3E-04	3.0E-03	6.1E-03	9.5E-03
MERCURY	3.3E-04	2.8E-04	3.1E-04	4.5E-05	4.5E-05	4.5E-05	4.5E-05	4.7E-05	4.9E-05	4.5E-05	4.9E-05	4.9E-05
VANADIUM				1.4E-03	1.8E-03	1.8E-03	1.9E-03	2.4E-04	8.3E-04	1.4E-03	1.4E-03	1.5E-03
HEXAVALENT CHROMIUM	9.7E-05	2.4E-04	1.1E-03	4.4E-04	6.0E-04	5.6E-04	5.2E-04	7.7E-05	2.0E-04	4.4E-04	4.6E-04	4.6E-04
TOTAL HAZARD INDEX	5.6E-03	4.8E-03	8.6E-03	2.1E-02	3.1E-02	2.8E-02	2.4E-02	6.0E-03	8.4E-03	2.5E-02	2.3E-02	2.7E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	5.6E-05	5.6E-05	5.6E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.7E-05	5.0E-05	4.6E-05	5.0E-05	5.0E-05
1,2,4-TRICHLOROBENZENE	4.5E-05	4.5E-05	4.5E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	3.8E-05	4.1E-05	3.7E-05	4.1E-05	4.1E-05
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	9.9E-07	9.9E-07	9.9E-07	8.2E-07	8.2E-07	8.2E-07	8.2E-07	8.3E-07	8.9E-07	8.0E-07	8.9E-07	8.9E-07
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.3E-03	1.3E-03	1.3E-03	1.1E-03	1.1E-03	1.1E-03	1.1E-03	1.1E-03	1.2E-03	1.1E-03	1.2E-03	3.8E-04
AROCLOR-1254	3.0E-02	2.9E-02	2.9E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.8E-02	1.7E-02	1.8E-02	1.8E-02
AROCLOR-1260												
ARSENIC	5.1E-02	3.6E-02	9.2E-02	1.2E-02	1.7E-02	1.4E-02	1.2E-02	2.7E-02	1.6E-02	2.7E-02	3.5E-02	5.0E-02
COBALT				5.3E-02	8.3E-02	8.6E-02	8.8E-02	3.6E-02	4.4E-02	1.3E-01	9.6E-02	9.4E-02
IRON				2.9E-01	3.9E-01	3.6E-01	3.3E-01	2.4E-02	6.1E-02	2.9E-01	1.8E-01	1.8E-01
LEAD												
MANGANESE				2.5E-02	6.7E-02	4.4E-02	2.1E-02	2.0E-03	4.4E-03	3.1E-02	6.2E-02	9.8E-02
MERCURY	4.2E-03	3.6E-03	3.9E-03	5.7E-04	5.7E-04	5.7E-04	5.7E-04	6.0E-04	6.3E-04	5.7E-04	6.3E-04	6.3E-04
VANADIUM				3.4E-02	4.2E-02	4.3E-02	4.4E-02	5.8E-03	2.0E-02	3.3E-02	3.3E-02	3.6E-02
HEXAVALENT CHROMIUM	8.6E-04	2.1E-03	9.9E-03	3.8E-03	5.3E-03	4.9E-03	4.6E-03	6.8E-04	1.8E-03	3.8E-03	4.0E-03	4.1E-03
TOTAL HAZARD INDEX	8.8E-02	7.2E-02	1.4E-01	4.3E-01	6.2E-01	5.7E-01	5.2E-01	1.1E-01	1.7E-01	5.3E-01	4.3E-01	4.8E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-512	SB-513	SB-513	SB-514	SB-514	SB-514	SB-514	SB-515	SB-515	SB-517	SB-517	SB-518
SAMPLE ID	SB-512-0810-D	SB-513-0406	SB-513-0810	SB-514-0406	SB-514-0810	B-514-0810-AV	SB-514-0810-D	SB-515-0406	SB-515-0810	SB-517-0406	SB-517-0810	SB-518-0406
SAMPLE DATE	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071129	20071130	20071130	20071130
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	8	8	4	8	4	8	4
BOTTOM DEPTH	10	6	10	6	10	10	10	6	10	6	10	6
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE	1.9E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.8E-06	1.9E-06	1.9E-06	1.9E-06	1.9E-06	1.8E-06
1,2,4-TRICHLOROBENZENE	8.9E-06	8.4E-06	8.2E-06	8.5E-06	8.4E-06	8.4E-06	8.4E-06	8.6E-06	8.8E-06	8.6E-06	8.6E-06	8.5E-06
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	9.3E-08	8.7E-08	8.6E-08	8.9E-08	8.7E-08	8.7E-08	8.7E-08	9.0E-08	9.2E-08	9.0E-08	9.0E-08	8.9E-08
BAP EQUIVALENT-HALFND												
NAPHTHALENE	8.2E-05	2.4E-04	2.4E-04	2.5E-04	2.4E-04	2.4E-04	2.4E-04	2.5E-04	2.6E-04	2.5E-04	2.5E-04	2.5E-04
AROCLOR-1254	1.5E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03	1.4E-03
AROCLOR-1260												
ARSENIC	3.2E-03	5.2E-03	1.0E-03	8.9E-04	3.0E-03	2.0E-03	9.6E-04	1.4E-03	5.0E-04	1.3E-03	1.7E-03	5.0E-03
COBALT	3.9E-03	7.4E-03	1.8E-03	1.7E-02	1.6E-02	1.4E-02	1.2E-02	8.0E-03	1.2E-02	9.1E-03	8.5E-03	6.9E-03
IRON	7.3E-03	6.8E-03	1.8E-03	3.2E-02	4.1E-02	3.3E-02	2.6E-02	2.3E-02	1.8E-02	2.3E-02	1.5E-02	1.9E-02
LEAD												
MANGANESE	1.3E-02	4.2E-03	7.8E-04	2.5E-02	2.0E-02	1.8E-02	1.7E-02	9.4E-03	2.5E-02	8.3E-03	4.7E-03	4.1E-03
MERCURY	4.9E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.9E-05	4.7E-05	4.7E-05	4.7E-05
VANADIUM	1.6E-03	1.4E-03	3.3E-04	1.7E-03	1.8E-03	1.5E-03	1.2E-03	1.5E-03	1.3E-03	1.4E-03	1.7E-03	2.3E-03
HEXAVALENT CHROMIUM	4.7E-04	4.0E-04	1.2E-04	6.0E-04	5.7E-04	5.6E-04	5.5E-04	4.7E-04	5.4E-04	3.9E-04	5.8E-04	6.8E-04
TOTAL HAZARD INDEX	3.1E-02	2.7E-02	7.6E-03	7.8E-02	8.4E-02	7.2E-02	5.9E-02	4.5E-02	5.8E-02	4.5E-02	3.3E-02	3.9E-02
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE	5.0E-05	4.7E-05	4.6E-05	4.8E-05	4.7E-05	4.7E-05	4.7E-05	4.9E-05	5.0E-05	4.9E-05	4.9E-05	4.8E-05
1,2,4-TRICHLOROBENZENE	4.1E-05	3.8E-05	3.8E-05	3.9E-05	3.8E-05	3.8E-05	3.8E-05	4.0E-05	4.0E-05	4.0E-05	4.0E-05	3.9E-05
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE	8.9E-07	8.3E-07	8.2E-07	8.4E-07	8.3E-07	8.3E-07	8.3E-07	8.6E-07	8.7E-07	8.6E-07	8.6E-07	8.4E-07
BAP EQUIVALENT-HALFND												
NAPHTHALENE	3.8E-04	1.1E-03	1.1E-03	1.2E-03	1.1E-03	1.1E-03	1.1E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03
AROCLOR-1254	1.9E-02	1.7E-02	1.7E-02	1.8E-02	1.7E-02	1.7E-02	1.7E-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02
AROCLOR-1260												
ARSENIC	6.5E-02	1.1E-01	2.1E-02	1.8E-02	6.0E-02	4.0E-02	1.9E-02	2.9E-02	1.0E-02	2.5E-02	3.5E-02	1.0E-01
COBALT	9.2E-02	1.8E-01	4.3E-02	4.0E-01	3.9E-01	3.4E-01	2.9E-01	1.9E-01	2.7E-01	2.1E-01	2.0E-01	1.6E-01
IRON	1.7E-01	1.6E-01	4.3E-02	7.5E-01	9.6E-01	7.9E-01	6.2E-01	5.4E-01	4.2E-01	5.4E-01	3.5E-01	4.4E-01
LEAD												
MANGANESE	1.3E-01	4.3E-02	8.0E-03	2.6E-01	2.1E-01	1.9E-01	1.7E-01	9.7E-02	2.5E-01	8.5E-02	4.8E-02	4.1E-02
MERCURY	6.3E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04	6.0E-04	6.0E-04	6.3E-04	6.0E-04	6.0E-04	6.0E-04
VANADIUM	3.9E-02	3.2E-02	7.9E-03	4.0E-02	4.3E-02	3.6E-02	2.9E-02	3.5E-02	3.0E-02	3.3E-02	4.0E-02	5.5E-02
HEXAVALENT CHROMIUM	4.1E-03	3.5E-03	1.0E-03	5.3E-03	5.0E-03	4.9E-03	4.8E-03	4.1E-03	4.8E-03	3.5E-03	5.1E-03	6.0E-03
TOTAL HAZARD INDEX	5.3E-01	5.4E-01	1.4E-01	1.5E+00	1.7E+00	1.4E+00	1.2E+00	9.1E-01	1.0E+00	9.2E-01	6.9E-01	8.3E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-518	SB-519	SB-519	SB-520	SB-520	SB-541A	SB-542	SB-542	SB-543A	SB-543A	SB-545	SB-548	SB-548
SAMPLE ID	SB-518-0810	SB-519-0406	SB-519-0810	SB-520-0406	SB-520-0810	SB-541A-4	SB-542-3	SB-542-4	SB-543A-3	SB-543A-4	SB-545-4	SB-548-3	SB-548-4
SAMPLE DATE	20071130	20071130	20071130	20071130	20071130	20081111	20081023	20081023	20081111	20081111	20081023	20081023	20081023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	8	4	8	4	3	4	3	4	4	3	4
BOTTOM DEPTH	10	6	10	6	10	4	3	4	3	4	4	3	4
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE	2.0E-06	1.8E-06	1.8E-06	1.9E-06	1.8E-06								
1,2,4-TRICHLOROBENZENE	9.2E-06	8.2E-06	8.2E-06	8.6E-06	8.5E-06								
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	9.6E-08	8.6E-08	8.6E-08	9.0E-08	8.9E-08								
BAP EQUIVALENT-HALFND													
NAPHTHALENE	2.7E-04	2.4E-04	2.4E-04	2.5E-04	2.5E-04								
AROCLOR-1254	1.5E-03	1.3E-03	1.3E-03	1.4E-03	1.4E-03	7.0E-04	7.0E-04	7.0E-04	6.6E-04	6.6E-04	7.0E-04	6.6E-04	6.6E-04
AROCLOR-1260													
ARSENIC	9.8E-04	1.4E-03	2.7E-03	2.7E-03	3.0E-03								
COBALT	5.2E-03	5.2E-03	3.0E-03	9.8E-03	6.7E-03								
IRON	6.8E-03	1.4E-02	7.7E-03	1.1E-02	1.1E-02								
LEAD													
MANGANESE	2.5E-03	2.3E-03	1.9E-03	3.7E-03	2.9E-03								
MERCURY	5.2E-05	4.5E-05	4.5E-05	4.7E-05	4.7E-05								
VANADIUM	7.6E-04	1.3E-03	5.6E-04	1.8E-03	1.5E-03								
HEXAVALENT CHROMIUM	2.3E-04	3.9E-04	2.3E-04	4.8E-04	3.4E-04								
TOTAL HAZARD INDEX	1.8E-02	2.7E-02	1.8E-02	3.2E-02	2.7E-02	7.0E-04	7.0E-04	7.0E-04	6.6E-04	6.6E-04	7.0E-04	6.6E-04	6.6E-04
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE	5.2E-05	4.6E-05	4.6E-05	4.9E-05	4.8E-05								
1,2,4-TRICHLOROBENZENE	4.2E-05	3.8E-05	3.8E-05	4.0E-05	3.9E-05								
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE	9.1E-07	8.2E-07	8.2E-07	8.6E-07	8.4E-07								
BAP EQUIVALENT-HALFND													
NAPHTHALENE	1.3E-03	1.1E-03	1.1E-03	1.2E-03	1.2E-03								
AROCLOR-1254	1.9E-02	1.7E-02	1.7E-02	1.8E-02	1.8E-02	8.9E-03	8.9E-03	8.9E-03	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.5E-03
AROCLOR-1260													
ARSENIC	2.0E-02	2.8E-02	5.5E-02	5.5E-02	6.0E-02								
COBALT	1.2E-01	1.2E-01	7.0E-02	2.3E-01	1.6E-01								
IRON	1.6E-01	3.4E-01	1.8E-01	2.7E-01	2.5E-01								
LEAD													
MANGANESE	2.6E-02	2.4E-02	1.9E-02	3.8E-02	2.9E-02								
MERCURY	6.6E-04	5.7E-04	5.7E-04	6.0E-04	6.0E-04								
VANADIUM	1.8E-02	3.0E-02	1.3E-02	4.4E-02	3.5E-02								
HEXAVALENT CHROMIUM	2.0E-03	3.5E-03	2.0E-03	4.2E-03	3.0E-03								
TOTAL HAZARD INDEX	3.7E-01	5.7E-01	3.6E-01	6.6E-01	5.6E-01	8.9E-03	8.9E-03	8.9E-03	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-550A	SB-550A	SB-555	SB-555	SB-555	SB-555A	SB-557	SB-558	SB-559	SB-559	SB-559	SB-560
SAMPLE ID	SB-550A-3	SB-550A-4	SB-555-4	SB-555-6	SB-555-8	SB-555A-10	SB-557-4	SB-558-4	SB-559-4	SB-559-6	SB-559-8	SB-560-4
SAMPLE DATE	20081111	20081111	20081021	20081021	20081021	20081111	20081021	20081021	20081022	20081022	20081022	20081022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	4	6	8	10	4	4	4	6	8	4
BOTTOM DEPTH	3	4	4	6	8	10	4	4	4	6	8	4
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.0E-04	7.0E-04	6.8E-01	6.3E-04	6.6E-04	7.0E-04	1.9E-03	6.6E-04	6.3E-04	6.6E-04	6.6E-04	6.6E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.0E-04	7.0E-04	6.8E-01	6.3E-04	6.6E-04	7.0E-04	1.9E-03	6.6E-04	6.3E-04	6.6E-04	6.6E-04	6.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.9E-03	8.9E-03	8.7E+00	8.0E-03	8.5E-03	8.9E-03	2.4E-02	8.5E-03	8.0E-03	8.5E-03	8.5E-03	8.5E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.9E-03	8.9E-03	8.7E+00	8.0E-03	8.5E-03	8.9E-03	2.4E-02	8.5E-03	8.0E-03	8.5E-03	8.5E-03	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-561	SB-561	SB-561A	SB-561A	SB-563	SB-564	SB-565	SB-566	SB-566	SB-566	SB-567	SB-568
SAMPLE ID	SB-561-6	SB-561-8	SB-561A-6	SB-561A-8	SB-563-4	SB-564-4	SB-565-4	SB-566-4	SB-566-6	SB-566-8	SB-567-4	SB-568-4
SAMPLE DATE	20081021	20081021	20081111	20081111	20081021	20081022	20081022	20081022	20081022	20081022	20081023	20081021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	6	8	4	4	4	4	6	8	4	4
BOTTOM DEPTH	6	8	6	8	4	4	4	4	6	8	4	4
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	6.3E-04	6.6E-04	6.6E-04	6.6E-04	7.0E-04	6.6E-04	6.6E-04	3.3E-03	7.0E-04	7.0E-04	6.6E-04	6.6E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.3E-04	6.6E-04	6.6E-04	6.6E-04	7.0E-04	6.6E-04	6.6E-04	3.3E-03	7.0E-04	7.0E-04	6.6E-04	6.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.0E-03	8.5E-03	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.5E-03	4.2E-02	8.9E-03	8.9E-03	8.5E-03	8.5E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.0E-03	8.5E-03	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.5E-03	4.2E-02	8.9E-03	8.9E-03	8.5E-03	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-568	SB-568	SB-568A	SB-568A	SB-568A	SB-569	SB-569	SB-569	SB-570	SB-570A	SB-570A	SB-570A
SAMPLE ID	SB-568-4-AVG	SB-568-4-D	SB-568A-10	SB-568A-6	SB-568A-8	SB-569-4	SB-569-6	SB-569-8	SB-570-4	SB-570A-10	SB-570A-6	SB-570A-8
SAMPLE DATE	20081021	20081021	20081111	20081111	20081111	20081022	20081022	20081022	20081022	20081111	20081111	20081111
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	10	6	8	4	6	8	4	10	6	8
BOTTOM DEPTH	4	4	10	6	8	4	6	8	4	10	6	8
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	6.6E-04	6.6E-04	7.0E-04	6.6E-04	6.6E-04	1.3E-02	7.0E-04	6.6E-04	1.3E-03	6.3E-04	6.6E-04	6.6E-04
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.6E-04	6.6E-04	7.0E-04	6.6E-04	6.6E-04	1.3E-02	7.0E-04	6.6E-04	1.3E-03	6.3E-04	6.6E-04	6.6E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.5E-03	1.7E-01	8.9E-03	8.5E-03	1.6E-02	8.0E-03	8.5E-03	8.5E-03
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	8.5E-03	8.5E-03	8.9E-03	8.5E-03	8.5E-03	1.7E-01	8.9E-03	8.5E-03	1.6E-02	8.0E-03	8.5E-03	8.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-571
SAMPLE ID	SB-571-4
SAMPLE DATE	20081023
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SB
TOP DEPTH	4
BOTTOM DEPTH	4
INDUSTRIAL	
1,2,3-TRICHLOROBENZENE	
1,2,4-TRICHLOROBENZENE	
1,3-DICHLOROBENZENE	
1,4-DICHLOROBENZENE	
BAP EQUIVALENT-HALFND	
NAPHTHALENE	
AROCLOR-1254	6.3E-04
AROCLOR-1260	
ARSENIC	
COBALT	
IRON	
LEAD	
MANGANESE	
MERCURY	
VANADIUM	
HEXAVALENT CHROMIUM	
TOTAL HAZARD INDEX	6.3E-04
RESIDENTIAL	
1,2,3-TRICHLOROBENZENE	
1,2,4-TRICHLOROBENZENE	
1,3-DICHLOROBENZENE	
1,4-DICHLOROBENZENE	
BAP EQUIVALENT-HALFND	
NAPHTHALENE	
AROCLOR-1254	8.0E-03
AROCLOR-1260	
ARSENIC	
COBALT	
IRON	
LEAD	
MANGANESE	
MERCURY	
VANADIUM	
HEXAVALENT CHROMIUM	
TOTAL HAZARD INDEX	8.0E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-503	SB-555A	SB-555A	SB-555A	SB-570A	SB-570A	SB-570A	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819
SAMPLE ID	SB-503-1012	SB-555A-12	SB-555A-14	SB-555A-16	SB-570A-12	SB-570A-14	SB-570A-16	E-SB-818-11	E-SB-818-13	E-SB-818-15	E-SB-819-11	E-SB-819-13	E-SB-819-15
SAMPLE DATE	20071127	20081111	20081111	20081111	20081111	20081111	20081111	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	10	12	14	16	12	14	16	11	13	15	11	13	15
BOTTOM DEPTH	12	12	14	16	12	14	16	11	13	15	11	13	15
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE	1.5E-11												
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE	1.9E-10												
BAP EQUIVALENT-HALFND	6.8E-07												
NAPHTHALENE	1.3E-10												
AROCLOR-1254	1.9E-08	4.6E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	1.9E-08	7.1E-07	3.8E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08
ANTIMONY													
ARSENIC	6.2E-07												
CADMIUM	2.0E-12												
COBALT	7.5E-10												
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL	7.9E-11												
VANADIUM													
HEXAVALENT CHROMIUM	9.6E-06												
TOTAL CANCER RISK	1.1E-05	7.5E-07	4.8E-08	2.0E-08	1.9E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.3E-08	2.0E-08	2.1E-08	2.0E-08
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE	1.5E-10												
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE	9.6E-10												
BAP EQUIVALENT-HALFND	1.5E-05												
NAPHTHALENE	6.4E-10												
AROCLOR-1254	9.7E-08	2.3E-07	5.0E-08	5.0E-08	4.7E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.7E-08	5.0E-08	5.2E-08	5.0E-08
AROCLOR-1260	9.7E-08	3.5E-06	1.9E-07	5.0E-08	4.7E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.7E-08	5.0E-08	5.2E-08	5.0E-08
ANTIMONY													
ARSENIC	4.8E-06												
CADMIUM	3.9E-12												
COBALT	1.5E-09												
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL	1.6E-10												
VANADIUM													
HEXAVALENT CHROMIUM	1.4E-04												
TOTAL CANCER RISK	1.6E-04	3.7E-06	2.4E-07	9.9E-08	9.4E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	1.1E-07	9.9E-08	1.0E-07	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-820	SB-820	SB-820	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-824	SB-824	SB-824	SB-825
SAMPLE ID	E-SB-820-11	E-SB-820-13	E-SB-820-15	E-SB-821-11	E-SB-821-13	E-SB-821-15	E-SB-822-11	E-SB-822-13	E-SB-822-15	E-SB-824-11	E-SB-824-13	E-SB-824-15	E-SB-825-11
SAMPLE DATE	20100915	20100915	20100915	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915	20100915	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.9E-08	2.1E-08	2.0E-08	2.0E-08	2.0E-08	2.1E-08	2.0E-08	2.3E-08	2.0E-08	2.1E-08	2.1E-08	2.0E-08	2.0E-08
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	4.7E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.7E-08	5.0E-08	5.2E-08	5.2E-08	5.0E-08	5.0E-08
AROCLOR-1260	4.7E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.7E-08	5.0E-08	5.2E-08	5.2E-08	5.0E-08	5.0E-08
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	9.4E-08	1.0E-07	9.9E-08	9.9E-08	9.9E-08	1.0E-07	9.9E-08	1.1E-07	9.9E-08	1.0E-07	1.0E-07	9.9E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-825	SB-825	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827	SB-828	SB-828	SB-828	SB-829	SB-829
SAMPLE ID	E-SB-825-13	E-SB-825-15	E-SB-826-11	E-SB-826-13	E-SB-826-15	E-SB-827-11	E-SB-827-13	E-SB-827-15	E-SB-828-11	E-SB-828-13	E-SB-828-15	E-SB-829-11	E-SB-829-13
SAMPLE DATE	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	5.5E-07	2.1E-08	5.0E-08	1.2E-08	1.1E-08	1.1E-08	1.0E-08
AROCLOR-1260	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.5E-05	1.8E-07	2.8E-07	6.1E-08	4.0E-08	1.1E-08	3.3E-08
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	2.2E-08	2.1E-08	2.1E-08	2.0E-08	2.0E-08	2.0E-08	1.5E-05	2.0E-07	3.3E-07	7.3E-08	5.1E-08	2.2E-08	4.3E-08
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	5.4E-08	5.2E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	2.7E-06	1.1E-07	2.5E-07	5.9E-08	5.4E-08	5.4E-08	5.2E-08
AROCLOR-1260	5.4E-08	5.2E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	7.4E-05	8.9E-07	1.4E-06	3.0E-07	2.0E-07	5.4E-08	1.6E-07
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.1E-07	1.0E-07	1.0E-07	9.9E-08	9.9E-08	9.9E-08	7.7E-05	1.0E-06	1.6E-06	3.6E-07	2.5E-07	1.1E-07	2.2E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-829	SB-830	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831	SB-831	SB-832
SAMPLE ID	E-SB-829-15	E-SB-830-11	E-SB-830-11-AVG	E-SB-830-11-D	E-SB-830-13	E-SB-830-15	E-SB-831-11	E-SB-831-13	E-SB-831-15	E-SB-831-15-AVG	E-SB-831-15-D	E-SB-832-11
SAMPLE DATE	20100917	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100917
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	11	11	13	15	11	13	15	15	15	11
BOTTOM DEPTH	15	11	11	11	13	15	11	13	15	15	15	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.7E-09	9.5E-09	1.0E-08
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.0E-08	3.3E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.7E-09	9.5E-09	1.0E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.1E-08	2.0E-08	2.0E-08	2.0E-08	4.4E-08	2.1E-08	2.0E-08	2.0E-08	2.0E-08	1.9E-08	1.9E-08	2.1E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.4E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	4.8E-08	4.7E-08	5.2E-08
AROCLOR-1260	5.2E-08	5.0E-08	5.0E-08	5.0E-08	1.6E-07	5.2E-08	5.0E-08	5.0E-08	5.0E-08	4.8E-08	4.7E-08	5.2E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.0E-07	9.9E-08	9.9E-08	9.9E-08	2.2E-07	1.0E-07	9.9E-08	9.9E-08	9.9E-08	9.7E-08	9.4E-08	1.0E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-832	SB-832	SB-833	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-836	SB-836	SB-836	SB-837
SAMPLE ID	E-SB-832-13	E-SB-832-15	E-SB-833-11	E-SB-834-11	E-SB-834-13	E-SB-834-15	E-SB-835-11	E-SB-835-13	E-SB-835-15	E-SB-836-11	E-SB-836-13	E-SB-836-15	E-SB-837-11
SAMPLE DATE	20100917	20100917	20100916	20100916	20100916	20100916	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	1.1E-08	1.1E-08	1.0E-06	1.1E-08	5.5E-08	1.1E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.1E-08	1.0E-08	1.0E-08
AROCLOR-1260	1.1E-08	3.3E-08	6.1E-05	3.2E-08	3.5E-07	2.7E-08	1.0E-08	1.9E-07	1.0E-08	1.0E-08	2.6E-08	1.0E-08	1.0E-08
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	2.2E-08	4.4E-08	6.2E-05	4.3E-08	4.0E-07	3.8E-08	2.0E-08	2.0E-07	2.0E-08	2.0E-08	3.7E-08	2.0E-08	2.0E-08
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	5.4E-08	5.4E-08	5.0E-06	5.4E-08	2.7E-07	5.4E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	5.4E-08	5.0E-08	5.0E-08
AROCLOR-1260	5.4E-08	1.6E-07	3.0E-04	1.6E-07	1.7E-06	1.3E-07	5.0E-08	9.4E-07	5.0E-08	5.0E-08	1.3E-07	5.0E-08	5.0E-08
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.1E-07	2.2E-07	3.1E-04	2.1E-07	2.0E-06	1.9E-07	9.9E-08	9.9E-07	9.9E-08	9.9E-08	1.8E-07	9.9E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-840	SB-840
SAMPLE ID	E-SB-837-13	E-SB-837-13-AVG	E-SB-837-13-D	E-SB-837-15	E-SB-838-11	E-SB-838-13	E-SB-838-15	E-SB-839-11	E-SB-839-13	E-SB-839-15	E-SB-840-11	E-SB-840-13
SAMPLE DATE	20100917	20100917	20100917	20100917	20100913	20100913	20100913	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	13	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	13	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	4.9E-08
AROCLOR-1260	5.3E-08	1.8E-07	3.1E-07	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	5.1E-08	1.0E-08	9.5E-09	2.4E-07
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.3E-08	1.9E-07	3.2E-07	2.0E-08	2.0E-08	2.0E-08	2.1E-08	2.0E-08	6.1E-08	2.0E-08	1.9E-08	2.9E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	5.2E-08	5.1E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.2E-08	5.0E-08	4.7E-08	2.5E-07
AROCLOR-1260	2.6E-07	9.0E-07	1.5E-06	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	2.5E-07	5.0E-08	4.7E-08	1.2E-06
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.1E-07	9.5E-07	1.6E-06	9.9E-08	9.9E-08	9.9E-08	1.0E-07	9.9E-08	3.0E-07	9.9E-08	9.4E-08	1.4E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-840	SB-841	SB-841	SB-841	SB-842	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-840-15	E-SB-841-11	E-SB-841-13	E-SB-841-15	E-SB-842-11	E-SB-842-11-AVG	E-SB-842-11-D	E-SB-842-13	E-SB-842-15	E-SB-843-11	E-SB-843-11-AVG	E-SB-843-11-D
SAMPLE DATE	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	11	11	13	15	11	11	11
BOTTOM DEPTH	15	11	13	15	11	11	11	13	15	11	11	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	1.0E-08	1.0E-08	6.7E-07	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	6.2E-08	1.0E-08	1.0E-08	1.0E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.1E-08	2.0E-08	6.8E-07	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	7.2E-08	2.1E-08	2.0E-08	2.0E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	5.2E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.2E-08	5.2E-08	5.1E-08	5.0E-08
AROCLOR-1260	5.2E-08	5.0E-08	3.3E-06	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	3.1E-07	5.2E-08	5.1E-08	5.0E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.0E-07	9.9E-08	3.4E-06	9.9E-08	9.9E-08	9.9E-08	9.9E-08	9.9E-08	3.6E-07	1.0E-07	1.0E-07	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-843	SB-843	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-846	SB-846	SB-846	SB-847	SB-847
SAMPLE ID	E-SB-843-13	E-SB-843-15	E-SB-844-11	E-SB-844-13	E-SB-844-15	E-SB-845-11	E-SB-845-13	E-SB-845-15	E-SB-846-11	E-SB-846-13	E-SB-846-15	E-SB-847-11	E-SB-847-13
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	5.5E-08	1.0E-08	1.0E-08	1.1E-08	1.1E-08	1.0E-08	1.0E-08
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.7E-07	1.0E-08	1.0E-08	5.9E-07	1.0E-08	1.0E-08	1.1E-08	1.1E-08	1.0E-08	1.0E-08
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	2.1E-08	2.0E-08	2.0E-08	1.8E-07	2.0E-08	2.0E-08	6.4E-07	2.0E-08	2.0E-08	2.2E-08	2.2E-08	2.0E-08	2.0E-08
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	5.2E-08	5.0E-08	5.0E-08	5.2E-08	5.0E-08	5.0E-08	2.7E-07	5.0E-08	5.0E-08	5.4E-08	5.4E-08	5.0E-08	5.0E-08
AROCLOR-1260	5.2E-08	5.0E-08	5.0E-08	8.4E-07	5.0E-08	5.0E-08	2.9E-06	5.0E-08	5.0E-08	5.4E-08	5.4E-08	5.0E-08	5.0E-08
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.0E-07	9.9E-08	9.9E-08	8.9E-07	9.9E-08	9.9E-08	3.2E-06	9.9E-08	9.9E-08	1.1E-07	1.1E-07	9.9E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-847-15	E-SB-847-15-AVG	E-SB-847-15-D
SAMPLE DATE	20100913	20100913	20100913
SAMPLE CODE	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	15	15
BOTTOM DEPTH	15	15	15
INDUSTRIAL			
1,2,3-TRICHLOROBENZENE			
1,2,4-TRICHLOROBENZENE			
1,3-DICHLOROPROPENE			
1,4-DICHLOROBENZENE			
BAP EQUIVALENT-HALFND			
NAPHTHALENE			
AROCLOR-1254	1.0E-08	1.0E-08	1.0E-08
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08
ANTIMONY			
ARSENIC			
CADMIUM			
COBALT			
IRON			
LEAD			
MANGANESE			
MERCURY			
MOLYBDENUM			
NICKEL			
VANADIUM			
HEXAVALENT CHROMIUM			
TOTAL CANCER RISK	2.0E-08	2.0E-08	2.0E-08
RESIDENTIAL			
1,2,3-TRICHLOROBENZENE			
1,2,4-TRICHLOROBENZENE			
1,3-DICHLOROPROPENE			
1,4-DICHLOROBENZENE			
BAP EQUIVALENT-HALFND			
NAPHTHALENE			
AROCLOR-1254	5.0E-08	5.0E-08	5.0E-08
AROCLOR-1260	5.0E-08	5.0E-08	5.0E-08
ANTIMONY			
ARSENIC			
CADMIUM			
COBALT			
IRON			
LEAD			
MANGANESE			
MERCURY			
MOLYBDENUM			
NICKEL			
VANADIUM			
HEXAVALENT CHROMIUM			
TOTAL CANCER RISK	9.9E-08	9.9E-08	9.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-503	SB-555A	SB-555A	SB-555A	SB-570A	SB-570A	SB-570A	SB-818	SB-818	SB-818	SB-819	SB-819	SB-819
SAMPLE ID	SB-503-1012	SB-555A-12	SB-555A-14	SB-555A-16	SB-570A-12	SB-570A-14	SB-570A-16	E-SB-818-11	E-SB-818-13	E-SB-818-15	E-SB-819-11	E-SB-819-13	E-SB-819-15
SAMPLE DATE	20071127	20081111	20081111	20081111	20081111	20081111	20081111	20100915	20100915	20100915	20100915	20100915	20100915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	10	12	14	16	12	14	16	11	13	15	11	13	15
BOTTOM DEPTH	12	12	14	16	12	14	16	11	13	15	11	13	15
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE	1.80E-06												
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE	5.80E-06												
BAP EQUIVALENT-HALFND													
NAPHTHALENE	3.70E-06												
AROCLOR-1254	1.40E-03	3.20E-03	7.00E-04	7.00E-04	6.60E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	8.00E-04	7.00E-04	7.30E-04	7.00E-04
AROCLOR-1260													
ANTIMONY	6.00E-04												
ARSENIC	3.90E-03												
CADMIUM	5.30E-05												
COBALT	6.10E-03												
IRON	2.70E-02												
LEAD													
MANGANESE	6.20E-03												
MERCURY	4.70E-05												
MOLYBDENUM	1.20E-05												
NICKEL	1.30E-03												
VANADIUM	6.20E-06												
HEXAVALENT CHROMIUM	1.80E-02												
TOTAL HAZARD INDEX	6.50E-02	3.20E-03	7.00E-04	7.00E-04	6.60E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	8.00E-04	7.00E-04	7.30E-04	7.00E-04
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE	4.70E-05												
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE	5.50E-05												
BAP EQUIVALENT-HALFND													
NAPHTHALENE	1.70E-05												
AROCLOR-1254	1.70E-02	4.10E-02	8.90E-03	8.90E-03	8.50E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	1.00E-02	8.90E-03	9.30E-03	8.90E-03
AROCLOR-1260													
ANTIMONY	9.90E-03												
ARSENIC	7.90E-02												
CADMIUM	1.20E-03												
COBALT	1.40E-01												
IRON	6.40E-01												
LEAD													
MANGANESE	6.40E-02												
MERCURY	6.00E-04												
MOLYBDENUM	2.90E-04												
NICKEL	1.30E-02												
VANADIUM	1.50E-04												
HEXAVALENT CHROMIUM	1.60E-01												
TOTAL HAZARD INDEX	1.10E+00	4.10E-02	8.90E-03	8.90E-03	8.50E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	1.00E-02	8.90E-03	9.30E-03	8.90E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-820	SB-820	SB-820	SB-821	SB-821	SB-821	SB-822	SB-822	SB-822	SB-824	SB-824	SB-824	SB-825
SAMPLE ID	E-SB-820-11	E-SB-820-13	E-SB-820-15	E-SB-821-11	E-SB-821-13	E-SB-821-15	E-SB-822-11	E-SB-822-13	E-SB-822-15	E-SB-824-11	E-SB-824-13	E-SB-824-15	E-SB-825-11
SAMPLE DATE	20100915	20100915	20100915	20100916	20100916	20100916	20100915	20100915	20100915	20100915	20100915	20100915	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	6.60E-04	7.30E-04	7.00E-04	7.00E-04	7.00E-04	7.30E-04	7.00E-04	8.00E-04	7.00E-04	7.30E-04	7.30E-04	7.00E-04	7.00E-04
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	6.60E-04	7.30E-04	7.00E-04	7.00E-04	7.00E-04	7.30E-04	7.00E-04	8.00E-04	7.00E-04	7.30E-04	7.30E-04	7.00E-04	7.00E-04
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	8.50E-03	9.30E-03	8.90E-03	8.90E-03	8.90E-03	9.30E-03	8.90E-03	1.00E-02	8.90E-03	9.30E-03	9.30E-03	8.90E-03	8.90E-03
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	8.50E-03	9.30E-03	8.90E-03	8.90E-03	8.90E-03	9.30E-03	8.90E-03	1.00E-02	8.90E-03	9.30E-03	9.30E-03	8.90E-03	8.90E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-825	SB-825	SB-826	SB-826	SB-826	SB-827	SB-827	SB-827	SB-828	SB-828	SB-828	SB-829	SB-829
SAMPLE ID	E-SB-825-13	E-SB-825-15	E-SB-826-11	E-SB-826-13	E-SB-826-15	E-SB-827-11	E-SB-827-13	E-SB-827-15	E-SB-828-11	E-SB-828-13	E-SB-828-15	E-SB-829-11	E-SB-829-13
SAMPLE DATE	20100913	20100913	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100916	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	7.70E-04	7.30E-04	7.30E-04	7.00E-04	7.00E-04	7.00E-04	3.80E-02	1.50E-03	3.50E-03	8.40E-04	7.70E-04	7.70E-04	7.30E-04
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	7.70E-04	7.30E-04	7.30E-04	7.00E-04	7.00E-04	7.00E-04	3.80E-02	1.50E-03	3.50E-03	8.40E-04	7.70E-04	7.70E-04	7.30E-04
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	9.80E-03	9.30E-03	9.30E-03	8.90E-03	8.90E-03	8.90E-03	4.90E-01	1.90E-02	4.40E-02	1.10E-02	9.80E-03	9.80E-03	9.30E-03
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	9.80E-03	9.30E-03	9.30E-03	8.90E-03	8.90E-03	8.90E-03	4.90E-01	1.90E-02	4.40E-02	1.10E-02	9.80E-03	9.80E-03	9.30E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-829	SB-830	SB-830	SB-830	SB-830	SB-830	SB-831	SB-831	SB-831	SB-831	SB-831	SB-832
SAMPLE ID	E-SB-829-15	E-SB-830-11	E-SB-830-11-AVG	E-SB-830-11-D	E-SB-830-13	E-SB-830-15	E-SB-831-11	E-SB-831-13	E-SB-831-15	E-SB-831-15-AVG	E-SB-831-15-D	E-SB-832-11
SAMPLE DATE	20100917	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100917
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	11	11	13	15	11	13	15	15	15	11
BOTTOM DEPTH	15	11	11	11	13	15	11	13	15	15	15	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.30E-04	7.00E-04	7.00E-04	7.00E-04	7.70E-04	7.30E-04	7.00E-04	7.00E-04	7.00E-04	6.80E-04	6.60E-04	7.30E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.30E-04	7.00E-04	7.00E-04	7.00E-04	7.70E-04	7.30E-04	7.00E-04	7.00E-04	7.00E-04	6.80E-04	6.60E-04	7.30E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.30E-03	8.90E-03	8.90E-03	8.90E-03	9.80E-03	9.30E-03	8.90E-03	8.90E-03	8.90E-03	8.70E-03	8.50E-03	9.30E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.30E-03	8.90E-03	8.90E-03	8.90E-03	9.80E-03	9.30E-03	8.90E-03	8.90E-03	8.90E-03	8.70E-03	8.50E-03	9.30E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-832	SB-832	SB-833	SB-834	SB-834	SB-834	SB-835	SB-835	SB-835	SB-836	SB-836	SB-836	SB-837
SAMPLE ID	E-SB-832-13	E-SB-832-15	E-SB-833-11	E-SB-834-11	E-SB-834-13	E-SB-834-15	E-SB-835-11	E-SB-835-13	E-SB-835-15	E-SB-836-11	E-SB-836-13	E-SB-836-15	E-SB-837-11
SAMPLE DATE	20100917	20100917	20100916	20100916	20100916	20100916	20100917	20100917	20100917	20100917	20100917	20100917	20100917
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	7.70E-04	7.70E-04	7.00E-02	7.70E-04	3.80E-03	7.70E-04	7.00E-04	7.30E-04	7.00E-04	7.00E-04	7.70E-04	7.00E-04	7.00E-04
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	7.70E-04	7.70E-04	7.00E-02	7.70E-04	3.80E-03	7.70E-04	7.00E-04	7.30E-04	7.00E-04	7.00E-04	7.70E-04	7.00E-04	7.00E-04
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	9.80E-03	9.80E-03	8.90E-01	9.80E-03	4.90E-02	9.80E-03	8.90E-03	9.30E-03	8.90E-03	8.90E-03	9.80E-03	8.90E-03	8.90E-03
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	9.80E-03	9.80E-03	8.90E-01	9.80E-03	4.90E-02	9.80E-03	8.90E-03	9.30E-03	8.90E-03	8.90E-03	9.80E-03	8.90E-03	8.90E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-837	SB-837	SB-837	SB-837	SB-838	SB-838	SB-838	SB-839	SB-839	SB-839	SB-840	SB-840
SAMPLE ID	E-SB-837-13	E-SB-837-13-AVG	E-SB-837-13-D	E-SB-837-15	E-SB-838-11	E-SB-838-13	E-SB-838-15	E-SB-839-11	E-SB-839-13	E-SB-839-15	E-SB-840-11	E-SB-840-13
SAMPLE DATE	20100917	20100917	20100917	20100917	20100913	20100913	20100913	20100914	20100914	20100914	20100914	20100914
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	13	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	13	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.30E-04	7.10E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.30E-04	7.00E-04	7.30E-04	7.00E-04	6.60E-04	3.40E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.30E-04	7.10E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.30E-04	7.00E-04	7.30E-04	7.00E-04	6.60E-04	3.40E-03
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.30E-03	9.10E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	9.30E-03	8.90E-03	9.30E-03	8.90E-03	8.50E-03	4.40E-02
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.30E-03	9.10E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	9.30E-03	8.90E-03	9.30E-03	8.90E-03	8.50E-03	4.40E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-840	SB-841	SB-841	SB-841	SB-842	SB-842	SB-842	SB-842	SB-842	SB-843	SB-843	SB-843
SAMPLE ID	E-SB-840-15	E-SB-841-11	E-SB-841-13	E-SB-841-15	E-SB-842-11	E-SB-842-11-AVG	E-SB-842-11-D	E-SB-842-13	E-SB-842-15	E-SB-843-11	E-SB-843-11-AVG	E-SB-843-11-D
SAMPLE DATE	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100914	20100914	20100914
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	11	11	13	15	11	11	11
BOTTOM DEPTH	15	11	13	15	11	11	11	13	15	11	11	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	7.30E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.30E-04	7.30E-04	7.10E-04	7.00E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.30E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.00E-04	7.30E-04	7.30E-04	7.10E-04	7.00E-04
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROPROPENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
AROCLOR-1254	9.30E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	9.30E-03	9.30E-03	9.10E-03	8.90E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.30E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	8.90E-03	9.30E-03	9.30E-03	9.10E-03	8.90E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-843	SB-843	SB-844	SB-844	SB-844	SB-845	SB-845	SB-845	SB-846	SB-846	SB-846	SB-847	SB-847
SAMPLE ID	E-SB-843-13	E-SB-843-15	E-SB-844-11	E-SB-844-13	E-SB-844-15	E-SB-845-11	E-SB-845-13	E-SB-845-15	E-SB-846-11	E-SB-846-13	E-SB-846-15	E-SB-847-11	E-SB-847-13
SAMPLE DATE	20100914	20100914	20100914	20100914	20100914	20100913	20100913	20100913	20100913	20100913	20100913	20100913	20100913
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	7.30E-04	7.00E-04	7.00E-04	7.30E-04	7.00E-04	7.00E-04	3.80E-03	7.00E-04	7.00E-04	7.70E-04	7.70E-04	7.00E-04	7.00E-04
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	7.30E-04	7.00E-04	7.00E-04	7.30E-04	7.00E-04	7.00E-04	3.80E-03	7.00E-04	7.00E-04	7.70E-04	7.70E-04	7.00E-04	7.00E-04
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROPROPENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE													
AROCLOR-1254	9.30E-03	8.90E-03	8.90E-03	9.30E-03	8.90E-03	8.90E-03	4.90E-02	8.90E-03	8.90E-03	9.80E-03	9.80E-03	8.90E-03	8.90E-03
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	9.30E-03	8.90E-03	8.90E-03	9.30E-03	8.90E-03	8.90E-03	4.90E-02	8.90E-03	8.90E-03	9.80E-03	9.80E-03	8.90E-03	8.90E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

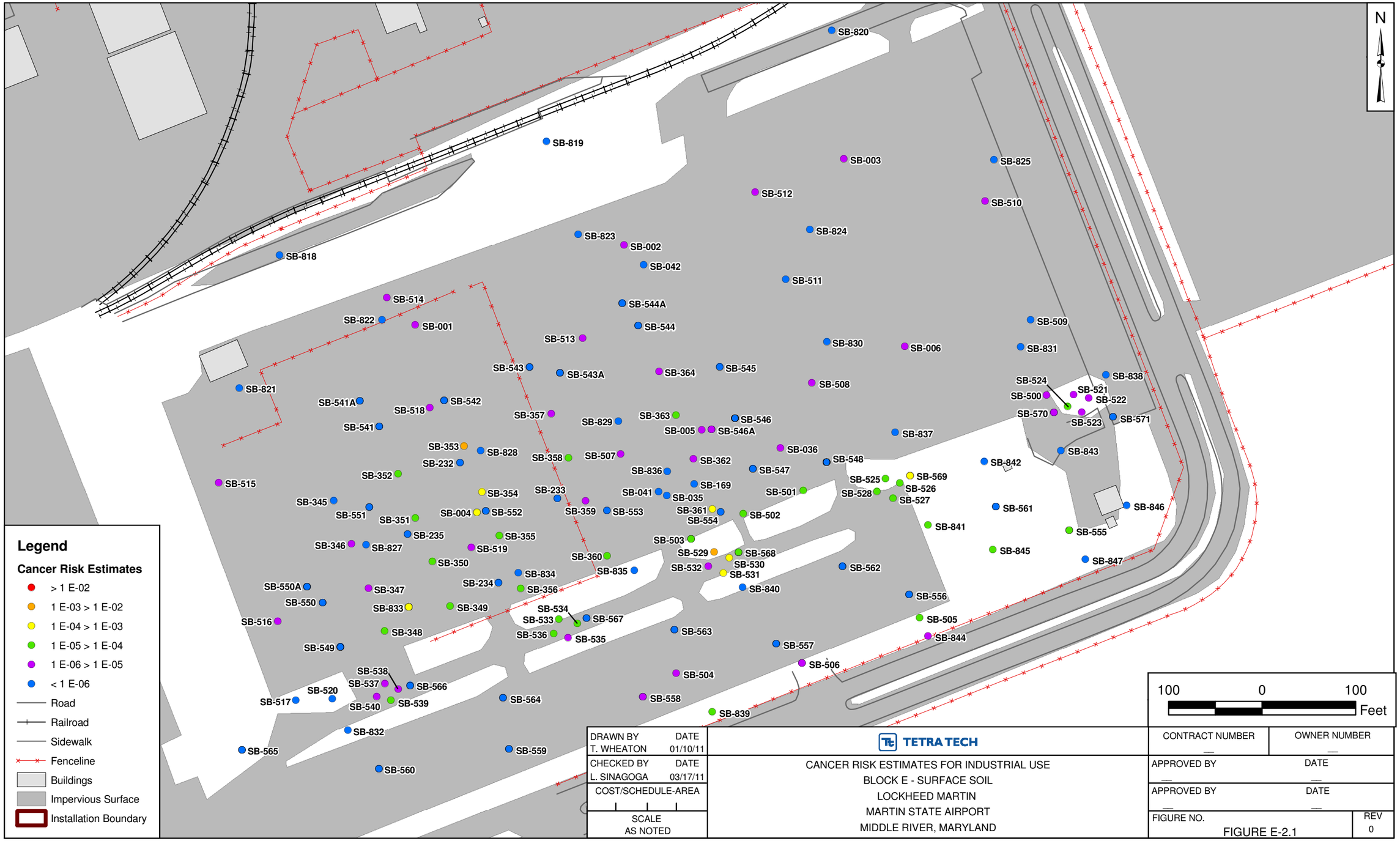
TABLE E-2.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK E
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-847	SB-847	SB-847
SAMPLE ID	E-SB-847-15	E-SB-847-15-AVG	E-SB-847-15-D
SAMPLE DATE	20100913	20100913	20100913
SAMPLE CODE	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	15	15
BOTTOM DEPTH	15	15	15
INDUSTRIAL			
1,2,3-TRICHLOROBENZENE			
1,2,4-TRICHLOROBENZENE			
1,3-DICHLOROPROPENE			
1,4-DICHLOROBENZENE			
BAP EQUIVALENT-HALFND			
NAPHTHALENE			
AROCLOR-1254	7.00E-04	7.00E-04	7.00E-04
AROCLOR-1260			
ANTIMONY			
ARSENIC			
CADMIUM			
COBALT			
IRON			
LEAD			
MANGANESE			
MERCURY			
MOLYBDENUM			
NICKEL			
VANADIUM			
HEXAVALENT CHROMIUM			
TOTAL HAZARD INDEX	7.00E-04	7.00E-04	7.00E-04
RESIDENTIAL			
1,2,3-TRICHLOROBENZENE			
1,2,4-TRICHLOROBENZENE			
1,3-DICHLOROPROPENE			
1,4-DICHLOROBENZENE			
BAP EQUIVALENT-HALFND			
NAPHTHALENE			
AROCLOR-1254	8.90E-03	8.90E-03	8.90E-03
AROCLOR-1260			
ANTIMONY			
ARSENIC			
CADMIUM			
COBALT			
IRON			
LEAD			
MANGANESE			
MERCURY			
MOLYBDENUM			
NICKEL			
VANADIUM			
HEXAVALENT CHROMIUM			
TOTAL HAZARD INDEX	8.90E-03	8.90E-03	8.90E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKE_SURFACE_INDUSTRIAL_CR.MXD 03/17/11 TW



Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/10/11
CHECKED BY L. SINAGOGA	DATE 03/17/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR INDUSTRIAL USE
BLOCK E - SURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
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FIGURE NO. FIGURE E-2.1	REV 0

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SB-820 SB-819 SB-003 SB-825 SB-512 SB-510 SB-824 SB-823 SB-002 SB-818 SB-042 SB-511 SB-514 SB-544A SB-822 SB-001 SB-544 SB-509 SB-513 SB-830 SB-006 SB-831 SB-543 SB-543A SB-364 SB-545 SB-838 SB-821 SB-508 SB-524 SB-521 SB-500 SB-522 SB-541A SB-518 SB-542 SB-570 SB-571 SB-357 SB-829 SB-363 SB-546 SB-523 SB-541 SB-005 SB-546A SB-837 SB-353 SB-828 SB-036 SB-843 SB-358 SB-507 SB-548 SB-842 SB-232 SB-362 SB-547 SB-836 SB-352 SB-569 SB-525 SB-515 SB-169 SB-526 SB-501 SB-354 SB-233 SB-041 SB-528 SB-527 SB-345 SB-035 SB-561 SB-846 SB-551 SB-359 SB-553 SB-361 SB-004 SB-552 SB-554 SB-502 SB-841 SB-351 SB-555 SB-235 SB-355 SB-503 SB-346 SB-827 SB-519 SB-529 SB-568 SB-845 SB-360 SB-530 SB-847 SB-350 SB-532 SB-531 SB-562 SB-834 SB-835 SB-550A SB-234 SB-356 SB-840 SB-347 SB-556 SB-550 SB-833 SB-349 SB-534 SB-505 SB-516 SB-533 SB-567 SB-844 SB-348 SB-536 SB-535 SB-563 SB-549 SB-557 SB-538 SB-506 SB-537 SB-566 SB-504 SB-520 SB-517 SB-540 SB-539 SB-564 SB-558 SB-839 SB-832 SB-565 SB-559 SB-560

Legend

Hazard Indices

- > 100
- 10 - 100
- 1 - 1 0
- 0.2 - 1
- < 0.2

- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

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COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE
BLOCK E - SURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
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Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/10/11
CHECKED BY L. SINAGOGA	DATE 03/17/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR RESIDENTIAL USE
BLOCK E - SURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
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FIGURE NO. FIGURE E-2.3	REV 0

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Legend

Hazard Indices

- > 100
- 10 - 100
- 1 - 1
- 0.2 - 1
- < 0.2

Road
Railroad
Sidewalk
Fenceline
Buildings
Impervious Surface
Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/10/11
CHECKED BY L. SINAGOGA	DATE 03/17/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE
BLOCK E - SURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-2.4	REV 0

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SB-514
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SB-001
SB-509
SB-513
SB-830
SB-006
SB-831
SB-009
SB-543A
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SB-542
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SB-842
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SB-547
SB-020
SB-569
SB-501
SB-035
SB-561A
SB-561
SB-846
SB-010
SB-004
SB-554
SB-502
SB-021
SB-841
SB-555
SB-827
SB-519
SB-503
SB-568A
SB-555A
SB-833I
SB-568
SB-845
SB-019
SB-847
SB-833N
SB-834
SB-835
SB-562
SB-018
SB-833B
SB-550A
SB-833M
SB-833C
SB-840
SB-833A
SB-833D
SB-556
SB-833J
SB-833K
SB-505
SB-017
SB-833H
SB-833
SB-833E
SB-567
SB-826
MRC-MW43A
SB-563
SB-844
SB-833G
SB-833L
SB-011
SB-557
SB-833F
SB-506
SB-504
SB-016
SB-566
SB-517
SB-520
SB-564
SB-558
SB-015
SB-839
SB-832
SB-565
SB-012
SB-559
SB-560
SB-014
SB-013

Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06

Road
Railroad
Sidewalk
Fenceline
Buildings
Impervious Surface
Installation Boundary

100 0 100 Feet

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COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR INDUSTRIAL USE
BLOCK E - SUBSURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
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FIGURE NO. FIGURE E-2.5	REV 0

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SB-846
SB-010
SB-004
SB-554
SB-502
SB-021
SB-841
SB-555
SB-827
SB-519
SB-503
SB-568A
SB-555A
SB-845
SB-019
SB-568
SB-847
SB-833I
SB-833N
SB-833B
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SB-835
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SB-833M
SB-833C
SB-840
SB-833A
SB-833D
SB-556
SB-833J
SB-833K
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SB-833
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SB-557
SB-833F
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SB-564
SB-558
SB-015
SB-839
SB-832
SB-565
SB-012
SB-559
SB-560
SB-014
SB-013

Legend

Hazard Indices

- > 100
- 10 - 100
- 1 - 10
- 0.2 - 1
- < 0.2

Road
Railroad
Sidewalk
Fenceline
Buildings
Impervious Surface
Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/07/11
CHECKED BY L. SINAGOGA	DATE 03/17/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE
BLOCK E - SUBSURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-2.6	REV 0

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SB-009
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SB-833A
SB-833D
SB-556
SB-833J
SB-833K
SB-505
SB-017
SB-833H
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SB-833L
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SB-557
SB-833F
SB-506
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SB-520
SB-564
SB-558
SB-015
SB-839
SB-832
SB-565
SB-012
SB-559
SB-560
SB-014
SB-013

Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/07/11
CHECKED BY L. SINAGOGA	DATE 03/17/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR RESIDENTIAL USE
BLOCK E - SUBSURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
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FIGURE NO. FIGURE E-2.7	REV 0

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Legend

Hazard Indices

- > 100
- 10 - 100
- 1 - 100
- 0.2 - 1
- < 0.2
- Sidewalk
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

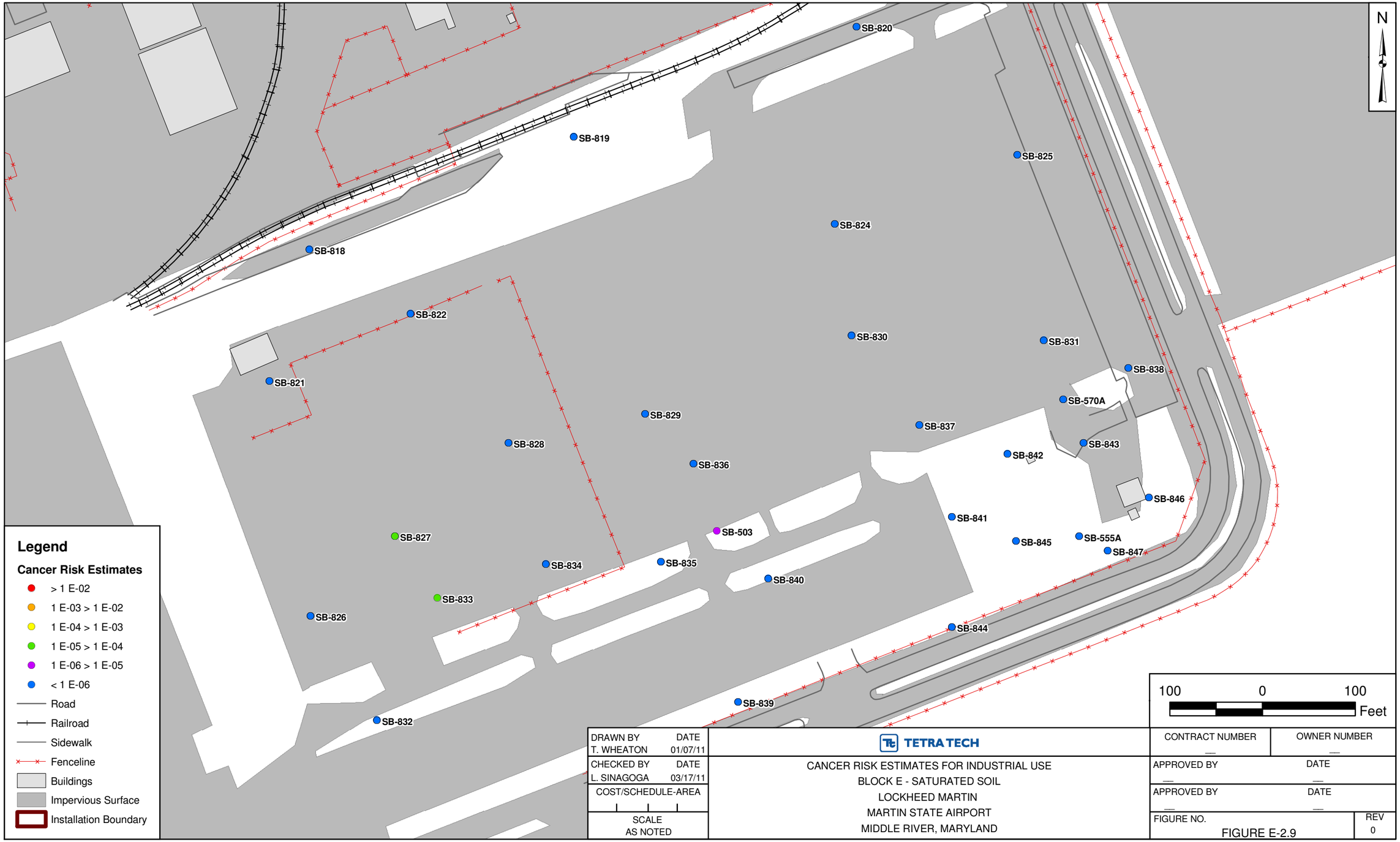
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CHECKED BY L. SINAGOGA	DATE 03/17/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE
BLOCK E - SUBSURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

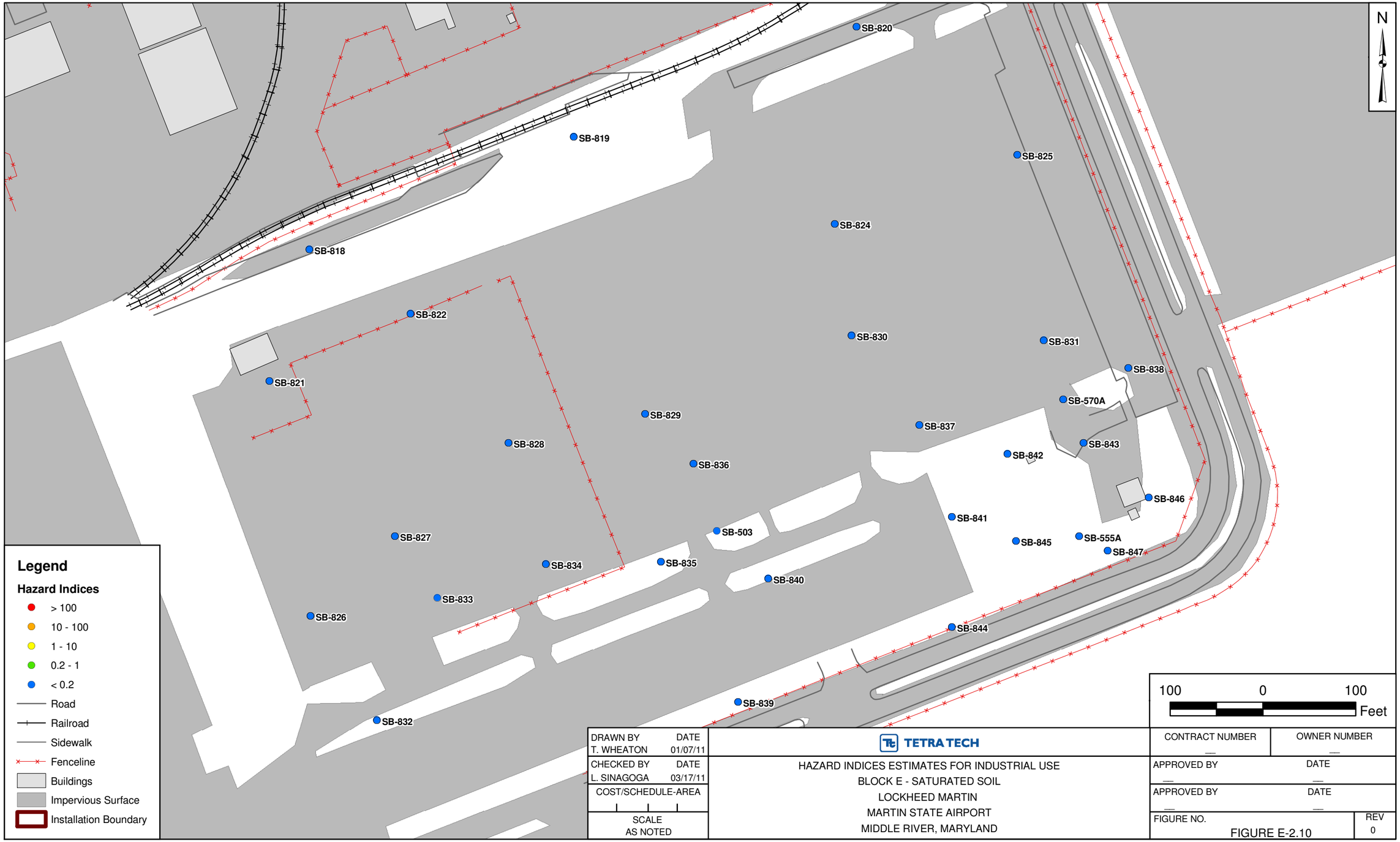
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FIGURE NO. FIGURE E-2.8	REV 0

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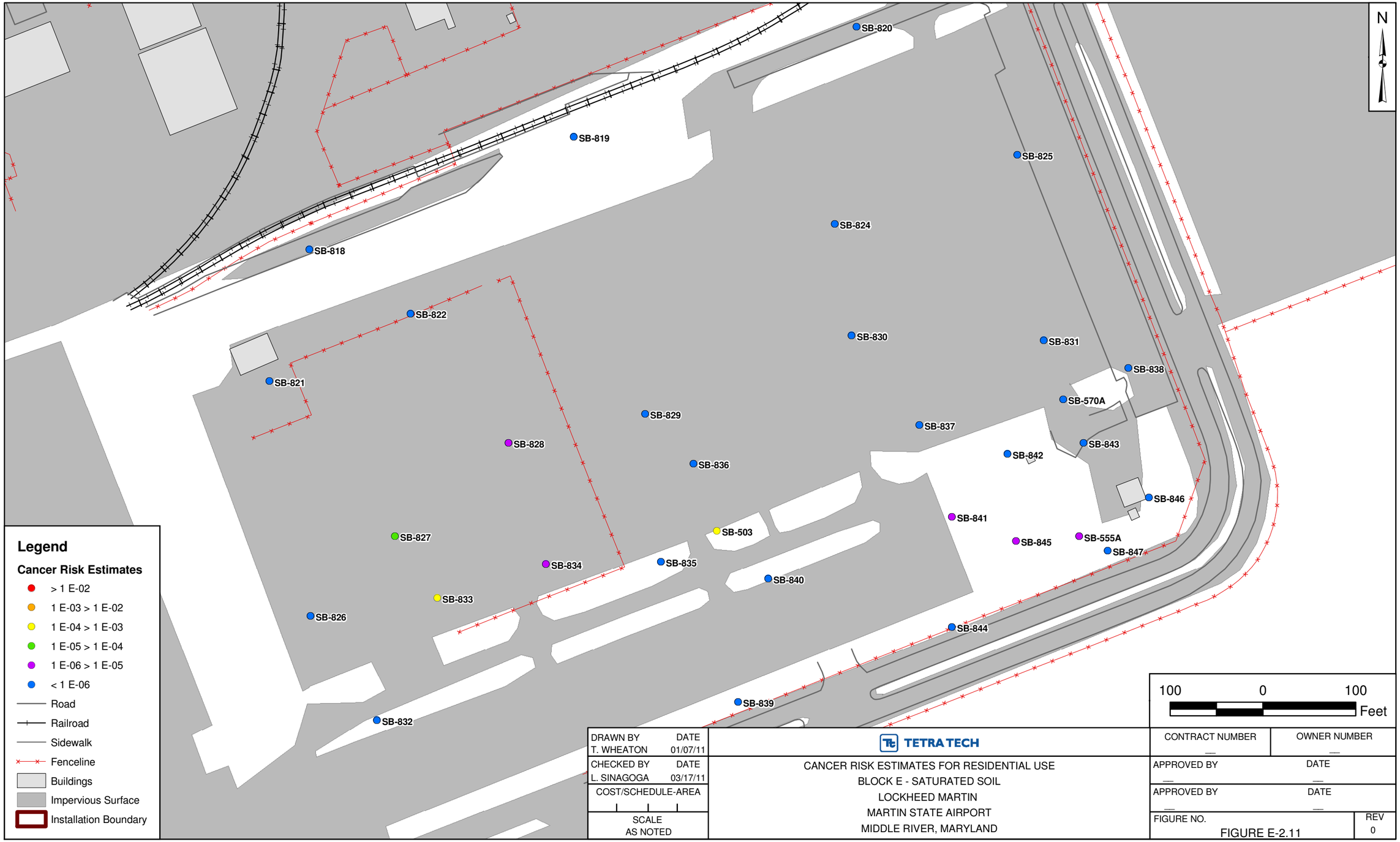
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CHECKED BY L. SINAGOGA	DATE 03/17/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK E - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-2.9 / REV 0

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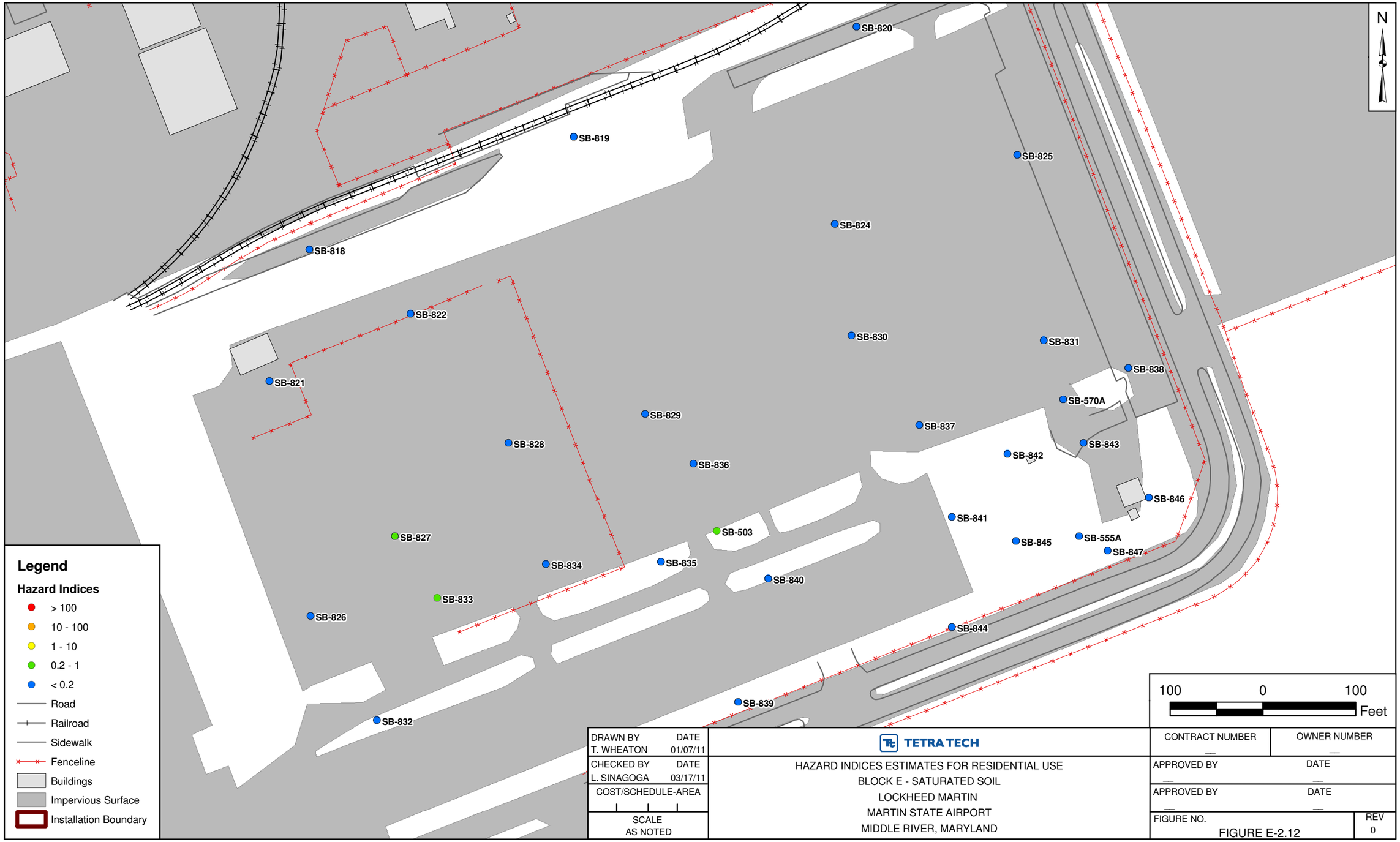
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CHECKED BY L. SINAGOGA	DATE 03/17/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK E - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-2.10 / REV 0

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CHECKED BY L. SINAGOGA	DATE 03/17/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK E - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-2.11 / REV 0

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DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/17/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK E - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-2.12 / REV 0

APPENDIX E.3

BLOCK F

TABLES

E-3.1 Cancer Risks for Individual Sample Locations – Surface Soil - Block F

E-3.2 Hazard Indices for Individual Sample Locations – Surface Soil - Block F

E-3.3 Cancer Risks for Individual Sample Locations – Subsurface Soil - Block F

E-3.4 Hazard Indices for Individual Sample Locations – Subsurface Soil - Block F

E-3.5 Cancer Risks for Individual Sample Locations – Saturated Soil - Block F

E-3.6 Hazard Indices for Individual Sample Locations – Saturated Soil - Block F

FIGURES

E-3.1 Cancer Risk Estimates for Industrial Use – Block F – Surface Soil

E-3.2 Hazard Indices Estimates for Industrial Use – Block F – Surface Soil

E-3.3 Cancer Risk Estimates for Residential Use – Block F – Surface Soil

E-3.4 Hazard Indices Estimates for Residential Use – Block F – Surface Soil

E-3.5 Cancer Risk Estimates for Industrial Use – Block F – Subsurface Soil

E-3.6 Hazard Indices Estimates for Industrial Use – Block F – Subsurface Soil

E-3.7 Cancer Risk Estimates for Residential Use – Block F – Subsurface Soil

E-3.8 Hazard Indices Estimates for Residential Use – Block F – Subsurface Soil

E-3.9 Cancer Risk Estimates for Industrial Use – Block F – Saturated Soil

E-3.10 Hazard Indices Estimates for Industrial Use – Block F – Saturated Soil

E-3.11 Cancer Risk Estimates for Residential Use – Block F – Saturated Soil

E-3.12 Hazard Indices Estimates for Residential Use – Block F – Saturated Soil

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-056	SB-056	SB-093	SB-093	SB-094	SB-094	SB-095	SB-095	SB-096	SB-096	SB-635C	SB-635D
SAMPLE ID	F-SB-56RE-1	F-SB-56RE-2	F-SB-93RE-1	F-SB-93RE-2	F-SB-94RE-1	F-SB-94RE-2	F-SB-95RE-1	F-SB-95RE-2	F-SB-96RE-1	F-SB-96RE-2	F-SB-635C-1	F-SB-635D-1
SAMPLE DATE	20090918	20090918	20090921	20090921	20090921	20090921	20090918	20090918	20090921	20090921	20091104	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1	2	1	2	1	1
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1	2	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	7.9E-08	2.6E-09	4.1E-06	5.2E-07	6.4E-07	3.3E-07	1.7E-04	9.1E-09	2.1E-06	2.8E-09	4.4E-06	7.0E-08
AROCLOR-1254			9.5E-09	1.0E-08	1.0E-08	1.0E-08						
AROCLOR-1260			1.2E-07	1.0E-08	1.0E-08	1.0E-08						
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	7.9E-08	2.6E-09	4.3E-06	5.4E-07	6.6E-07	3.5E-07	1.7E-04	9.1E-09	2.1E-06	2.8E-09	4.4E-06	7.0E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.7E-06	5.6E-08	8.9E-05	1.1E-05	1.4E-05	7.2E-06	3.8E-03	2.0E-07	4.5E-05	6.0E-08	9.5E-05	1.5E-06
AROCLOR-1254			4.7E-08	5.0E-08	5.0E-08	5.2E-08						
AROCLOR-1260			5.9E-07	5.0E-08	5.0E-08	5.2E-08						
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.7E-06	5.6E-08	9.0E-05	1.1E-05	1.4E-05	7.3E-06	3.8E-03	2.0E-07	4.5E-05	6.0E-08	9.5E-05	1.5E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-636	SB-636A	SB-636B	SB-636C	SB-636D	SB-637	SB-637B	SB-637C	SB-638	SB-639	SB-640	SB-641
SAMPLE ID	F-SB-636-1	F-SB-636A-1	F-SB-636B-1	F-SB-636C-1	F-SB-636D-1	F-SB-637-1	F-SB-637B-1	F-SB-637C-1	F-SB-638-1	F-SB-639-1	F-SB-640-1	F-SB-641-1
SAMPLE DATE	20091007	20091105	20091105	20091105	20091105	20091007	20091106	20091106	20091007	20091007	20091007	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	5.6E-07	1.4E-06	4.9E-06	2.5E-05	2.3E-05	4.1E-06	2.4E-05	7.2E-06	2.4E-09	2.7E-07	2.6E-07	4.7E-06
AROCLOR-1254	1.0E-08					9.5E-09			9.0E-09	1.0E-08	1.0E-08	
AROCLOR-1260	1.0E-08					9.5E-09			9.0E-09	1.0E-08	1.0E-08	
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.8E-07	1.4E-06	4.9E-06	2.5E-05	2.3E-05	4.1E-06	2.4E-05	7.2E-06	2.0E-08	2.9E-07	2.8E-07	4.7E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.2E-05	3.1E-05	1.1E-04	5.3E-04	5.1E-04	8.9E-05	5.2E-04	1.6E-04	5.3E-08	5.9E-06	5.5E-06	1.0E-04
AROCLOR-1254	5.0E-08					4.7E-08			4.5E-08	5.0E-08	5.0E-08	
AROCLOR-1260	5.0E-08					4.7E-08			4.5E-08	5.0E-08	5.0E-08	
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.2E-05	3.1E-05	1.1E-04	5.3E-04	5.1E-04	8.9E-05	5.2E-04	1.6E-04	1.4E-07	6.0E-06	5.6E-06	1.0E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-641A	SB-641B	SB-641C	SB-642	SB-642A	SB-642B	SB-642C	SB-643	SB-643B	SB-643C	SB-644	SB-645
SAMPLE ID	F-SB-641A-1	F-SB-641B-1	F-SB-641C-1	F-SB-642-1	F-SB-642A-1	F-SB-642B-1	F-SB-642C-1	F-SB-643-1	F-SB-643B-1	F-SB-643C-1	F-SB-644-1	F-SB-645-1
SAMPLE DATE	20091104	20091104	20091104	20091019	20091104	20091104	20091104	20091016	20091105	20091105	20091016	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.4E-07	1.0E-06	3.2E-05	5.2E-06	2.6E-09	2.0E-07	6.0E-09	2.5E-06	4.1E-07	2.4E-09	2.4E-07	9.3E-05
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.4E-07	1.0E-06	3.2E-05	5.2E-06	2.6E-09	2.0E-07	6.0E-09	2.5E-06	4.1E-07	2.4E-09	2.4E-07	9.3E-05
RESIDENTIAL												
BAP EQUIVALENT-HALFND	3.1E-06	2.2E-05	6.8E-04	1.1E-04	5.6E-08	4.3E-06	1.3E-07	5.3E-05	8.9E-06	5.3E-08	5.2E-06	2.0E-03
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.1E-06	2.2E-05	6.8E-04	1.1E-04	5.6E-08	4.3E-06	1.3E-07	5.3E-05	8.9E-06	5.3E-08	5.2E-06	2.0E-03

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-645A	SB-645B	SB-645C	SB-646	SB-647	SB-647A	SB-647B	SB-647C	SB-648	SB-649	SB-650	SB-651
SAMPLE ID	F-SB-645A-1	F-SB-645B-1	F-SB-645C-1	F-SB-646-1	F-SB-647-1	F-SB-647A-1	F-SB-647B-1	F-SB-647C-1	F-SB-648-1	F-SB-649-1	F-SB-650-1	F-SB-651-1
SAMPLE DATE	20091105	20091105	20091105	20091006	20091006	20091105	20091105	20091105	20091006	20091006	20091006	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	3.8E-07	3.9E-07	1.3E-06	7.9E-08	9.8E-07	1.3E-05	9.8E-07	1.8E-05	3.8E-09	3.8E-09	1.4E-08	4.8E-08
AROCLOR-1254												9.5E-09
AROCLOR-1260												9.5E-09
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.8E-07	3.9E-07	1.3E-06	7.9E-08	9.8E-07	1.3E-05	9.8E-07	1.8E-05	3.8E-09	3.8E-09	1.4E-08	6.6E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND	8.3E-06	8.4E-06	2.8E-05	1.7E-06	2.1E-05	2.9E-04	2.1E-05	3.9E-04	8.3E-08	8.3E-08	3.1E-07	1.0E-06
AROCLOR-1254												4.7E-08
AROCLOR-1260												4.7E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.3E-06	8.4E-06	2.8E-05	1.7E-06	2.1E-05	2.9E-04	2.1E-05	3.9E-04	8.3E-08	8.3E-08	3.1E-07	1.1E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-652	SB-652A	SB-652B	SB-652C	SB-797	SB-798	SB-799	SB-022	SB-023	SB-024	SB-025	SB-030
SAMPLE ID	F-SB-652-1	F-SB-652A-1	F-SB-652B-1	F-SB-652C-1	F-SB-797-SS	F-SB-798-SS	F-SB-799-SS	SB-22A-SS	SB-23A-SS	SB-24A-SS	SB-25A-SS	SB-30A-SS
SAMPLE DATE	20091007	20091105	20091105	20091105	20100820	20100820	20100820	20040915	20040915	20040915	20040915	20040915
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1	1	1					
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.2E-06	7.9E-07	1.8E-06	6.4E-08	1.2E-05	6.4E-09	4.5E-08	7.4E-07	6.6E-07	1.0E-06	6.9E-07	1.4E-06
AROCLOR-1254	1.0E-08							1.6E-07	1.4E-07	1.5E-07	1.5E-07	1.3E-07
AROCLOR-1260	1.0E-08							1.6E-07	1.4E-07	1.5E-07	1.5E-07	1.3E-07
ANTIMONY												
ARSENIC								4.8E-07	8.1E-07	1.2E-06	2.2E-07	8.4E-07
CADMIUM								6.8E-11	5.9E-11	6.4E-11	6.1E-11	6.1E-11
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL								3.0E-11	4.7E-11	9.2E-11	1.8E-10	3.0E-11
VANADIUM												
HEXAVALENT CHROMIUM								2.2E-07	3.6E-07	5.0E-07	5.0E-07	2.4E-07
TOTAL CANCER RISK	1.2E-06	7.9E-07	1.8E-06	6.4E-08	1.2E-05	6.4E-09	4.5E-08	1.8E-06	2.1E-06	3.1E-06	1.7E-06	2.7E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.6E-05	1.7E-05	3.8E-05	1.4E-06	2.6E-04	1.4E-07	9.8E-07	1.6E-05	1.4E-05	2.2E-05	1.5E-05	3.0E-05
AROCLOR-1254	5.0E-08							7.9E-07	6.9E-07	7.4E-07	7.4E-07	6.7E-07
AROCLOR-1260	5.0E-08							7.9E-07	6.9E-07	7.4E-07	7.4E-07	6.7E-07
ANTIMONY												
ARSENIC								3.7E-06	6.3E-06	9.7E-06	1.7E-06	6.6E-06
CADMIUM								1.4E-10	1.2E-10	1.3E-10	1.2E-10	1.2E-10
COBALT												
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL								6.1E-11	9.4E-11	1.9E-10	3.6E-10	6.0E-11
VANADIUM												
HEXAVALENT CHROMIUM								3.3E-06	5.4E-06	7.4E-06	7.4E-06	3.6E-06
TOTAL CANCER RISK	2.6E-05	1.7E-05	3.8E-05	1.4E-06	2.6E-04	1.4E-07	9.8E-07	2.5E-05	2.7E-05	4.1E-05	2.6E-05	4.2E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-050	SB-055	SB-056	SB-093	SB-094	SB-095	SB-096	SB-236	SB-236	SB-237	SB-237	SB-238	SB-238	SB-250
SAMPLE ID	SB-50-SS	SB-55-SS	SB-56-SS	SB-93-SS	SB-94-SS	SB-95-SS	SB-96-SS	SB-236-01	SB-236-SS	SB-237-01	SB-237-SS	SB-238-01	SB-238-SS	SB-250-02
SAMPLE DATE	20040915	20040915	20040913	20040916	20040916	20040916	20040916	20050509	20050509	20050509	20050509	20050517	20050517	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH								1		1		1		1
BOTTOM DEPTH	1	1	1	1	1	1	1	2	1	2	1	2	1	2
INDUSTRIAL														
BAP EQUIVALENT-HALFND		1.1E-06		6.7E-06	3.7E-06	7.4E-06						4.9E-07	1.5E-06	
AROCLOR-1254		1.3E-07	2.0E-07	1.6E-07	6.5E-07	1.5E-07	1.4E-07					1.9E-08	1.8E-08	
AROCLOR-1260		1.3E-07	2.0E-07	8.0E-07	1.4E-06	1.5E-07	1.4E-07					1.9E-08	1.5E-07	
ANTIMONY														
ARSENIC	1.2E-06	5.5E-07	1.1E-06	6.6E-07	7.7E-07	7.3E-07	7.3E-07	1.5E-06	1.1E-06	1.8E-06	5.5E-07	1.1E-06	1.1E-06	5.5E-07
CADMIUM	5.5E-11	6.1E-11	9.1E-11	1.6E-10	2.0E-10	6.8E-11	6.6E-11	1.8E-11	1.4E-11	1.4E-11	1.8E-11	2.7E-11	9.1E-11	4.5E-12
COBALT								1.3E-09	1.5E-09	1.2E-09	1.3E-09	1.9E-09	1.5E-09	6.4E-10
IRON														
LEAD														
MERCURY														
MOLYBDENUM														
NICKEL	5.6E-11	8.5E-11	3.3E-11	7.2E-11	7.2E-11	5.3E-11	3.5E-11	7.9E-11	7.9E-11	1.2E-10	7.9E-11	1.4E-10	1.4E-10	2.0E-11
VANADIUM														
HEXAVALENT CHROMIUM	2.6E-07	3.6E-07	3.9E-07	3.0E-06	6.9E-07	3.9E-07	2.6E-07	5.5E-07	4.9E-07	5.1E-06	5.5E-07	7.5E-07	1.0E-06	4.3E-07
TOTAL CANCER RISK	1.4E-06	2.3E-06	1.9E-06	1.1E-05	7.2E-06	8.8E-06	1.3E-06	2.0E-06	1.6E-06	6.9E-06	1.1E-06	2.4E-06	3.7E-06	9.8E-07
RESIDENTIAL														
BAP EQUIVALENT-HALFND		2.4E-05		1.5E-04	8.1E-05	1.6E-04						1.1E-05	3.2E-05	
AROCLOR-1254		6.4E-07	1.0E-06	8.2E-07	3.2E-06	7.4E-07	6.9E-07					9.7E-08	9.2E-08	
AROCLOR-1260		6.4E-07	1.0E-06	4.0E-06	6.9E-06	7.4E-07	6.9E-07					9.7E-08	7.6E-07	
ANTIMONY														
ARSENIC	9.1E-06	4.3E-06	8.3E-06	5.1E-06	6.0E-06	5.7E-06	5.7E-06	1.1E-05	8.5E-06	1.4E-05	4.3E-06	8.5E-06	8.5E-06	4.3E-06
CADMIUM	1.1E-10	1.2E-10	1.8E-10	3.2E-10	4.1E-10	1.4E-10	1.3E-10	3.7E-11	2.7E-11	2.7E-11	3.7E-11	5.5E-11	1.8E-10	9.2E-12
COBALT								2.7E-09	3.1E-09	2.3E-09	2.6E-09	3.8E-09	2.9E-09	1.3E-09
IRON														
LEAD														
MERCURY														
MOLYBDENUM														
NICKEL	1.1E-10	1.7E-10	6.7E-11	1.5E-10	1.5E-10	1.1E-10	7.1E-11	1.6E-10	1.6E-10	2.4E-10	1.6E-10	2.9E-10	2.8E-10	4.0E-11
VANADIUM														
HEXAVALENT CHROMIUM	3.9E-06	5.4E-06	5.8E-06	4.5E-05	1.0E-05	5.8E-06	3.8E-06	8.2E-06	7.3E-06	7.6E-05	8.2E-06	1.1E-05	1.5E-05	6.4E-06
TOTAL CANCER RISK	1.3E-05	3.4E-05	1.6E-05	2.0E-04	1.1E-04	1.7E-04	1.1E-05	2.0E-05	1.6E-05	9.0E-05	1.2E-05	3.1E-05	5.6E-05	1.1E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-250	SB-251	SB-251	SB-252	SB-252	SB-253	SB-253	SB-265	SB-265	SB-266	SB-266	SB-267	SB-267	SB-268
SAMPLE ID	SB-250-SS	SB-251-02	SB-251-SS	SB-252-02	SB-252-SS	SB-253-02	SB-253-SS	SB-265-02	SB-265-SS	SB-266-02	SB-266-SS	SB-267-02	SB-267-SS	SB-268-02
SAMPLE DATE	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH		1		1		1		1		1		1		1
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1	2	1	2	1	2
INDUSTRIAL														
BAP EQUIVALENT-HALFND								2.1E-06	8.8E-06	6.7E-07	4.7E-06	5.0E-07	1.1E-06	1.5E-05
AROCLOR-1254									1.8E-08		1.8E-08		9.6E-08	
AROCLOR-1260									1.2E-07		7.5E-07		7.3E-08	
ANTIMONY														
ARSENIC	1.8E-07	1.8E-06	5.5E-07	1.5E-06	3.7E-07	5.5E-07	5.5E-07		1.8E-06		5.5E-07		5.5E-07	
CADMIUM	4.5E-12	2.3E-12	4.5E-12	4.5E-12	2.3E-12	2.0E-12	1.8E-11		3.6E-11		8.2E-11		3.2E-11	
COBALT	1.3E-09	1.6E-09	1.3E-09	8.0E-10	8.2E-10	9.1E-10	1.1E-09		2.0E-09		1.9E-09		1.4E-09	
IRON														
LEAD														
MERCURY														
MOLYBDENUM														
NICKEL	5.3E-11	5.9E-11	3.0E-11	2.0E-11	2.0E-11	1.6E-11	2.6E-11		1.3E-10		9.2E-11		5.9E-11	
VANADIUM														
HEXAVALENT CHROMIUM	3.2E-07	5.7E-07	4.4E-07	4.3E-07	3.2E-07	3.9E-07	4.0E-07		1.5E-06		8.6E-07		4.5E-07	
TOTAL CANCER RISK	5.1E-07	2.4E-06	9.9E-07	1.9E-06	6.9E-07	9.4E-07	9.5E-07	2.1E-06	1.2E-05	6.7E-07	6.8E-06	5.0E-07	2.3E-06	1.5E-05
RESIDENTIAL														
BAP EQUIVALENT-HALFND								4.5E-05	1.9E-04	1.4E-05	1.0E-04	1.1E-05	2.4E-05	3.2E-04
AROCLOR-1254									8.9E-08		8.9E-08		4.8E-07	
AROCLOR-1260									5.9E-07		3.7E-06		3.6E-07	
ANTIMONY														
ARSENIC	1.4E-06	1.4E-05	4.3E-06	1.1E-05	2.8E-06	4.3E-06	4.3E-06		1.4E-05		4.3E-06		4.3E-06	
CADMIUM	9.2E-12	4.6E-12	9.2E-12	9.2E-12	4.6E-12	4.1E-12	3.7E-11		7.3E-11		1.6E-10		6.4E-11	
COBALT	2.7E-09	3.3E-09	2.7E-09	1.6E-09	1.6E-09	1.8E-09	2.2E-09		4.1E-09		3.9E-09		2.7E-09	
IRON														
LEAD														
MERCURY														
MOLYBDENUM														
NICKEL	1.1E-10	1.2E-10	6.0E-11	4.0E-11	4.0E-11	3.3E-11	5.3E-11		2.6E-10		1.9E-10		1.2E-10	
VANADIUM														
HEXAVALENT CHROMIUM	4.9E-06	8.6E-06	6.5E-06	6.4E-06	4.9E-06	5.8E-06	5.9E-06		2.3E-05		1.3E-05		6.8E-06	
TOTAL CANCER RISK	6.3E-06	2.3E-05	1.1E-05	1.8E-05	7.7E-06	1.0E-05	1.0E-05	4.5E-05	2.3E-04	1.4E-05	1.2E-04	1.1E-05	3.5E-05	3.2E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-268	SB-269	SB-269	SB-270	SB-270	SB-382	SB-383	SB-384	SB-385	SB-386	SB-387	SB-388
SAMPLE ID	SB-268-SS	SB-269-02	SB-269-SS	SB-270-02	SB-270-SS	SB-382-0102	SB-383-0102	SB-384-0102	SB-385-0102	SB-386-0102	SB-387-0102	SB-388-0102
SAMPLE DATE	20050509	20050509	20050509	20050509	20050509	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB	SS	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH		1		1		1	1	1	1	1	1	1
BOTTOM DEPTH	1	2	1	2	1	2	2	2	2	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.3E-04	1.4E-07	6.5E-06	4.3E-07	1.3E-06	2.6E-09	6.6E-05	2.6E-09	2.4E-09	2.4E-09	4.2E-08	1.3E-06
AROCLOR-1254	1.9E-08		1.8E-08		1.9E-08	1.9E-08	1.8E-08	1.9E-08	1.8E-08	1.8E-08	1.7E-08	1.7E-08
AROCLOR-1260	6.3E-08		9.5E-08		2.9E-08	1.9E-08	3.4E-08	1.9E-08	1.8E-08	1.8E-08	1.7E-08	1.7E-08
ANTIMONY												
ARSENIC	1.8E-06		2.2E-06		5.5E-07							
CADMIUM	1.4E-10		3.2E-11		6.8E-12							
COBALT	2.7E-09		1.5E-09		1.2E-09							
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL	9.2E-11		8.5E-11		2.6E-11							
VANADIUM												
HEXAVALENT CHROMIUM	8.8E-07		7.2E-07		4.2E-07							
TOTAL CANCER RISK	1.3E-04	1.4E-07	9.6E-06	4.3E-07	2.3E-06	4.1E-08	6.6E-05	4.0E-08	3.8E-08	3.9E-08	7.6E-08	1.4E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.9E-03	3.1E-06	1.4E-04	9.3E-06	2.8E-05	5.6E-08	1.4E-03	5.6E-08	5.3E-08	5.3E-08	9.0E-07	2.9E-05
AROCLOR-1254	9.7E-08		9.2E-08		9.4E-08	9.7E-08	9.2E-08	9.4E-08	8.9E-08	9.2E-08	8.7E-08	8.7E-08
AROCLOR-1260	3.1E-07		4.7E-07		1.4E-07	9.7E-08	1.7E-07	9.4E-08	8.9E-08	9.2E-08	8.7E-08	8.7E-08
ANTIMONY												
ARSENIC	1.4E-05		1.7E-05		4.3E-06							
CADMIUM	2.7E-10		6.4E-11		1.4E-11							
COBALT	5.4E-09		3.0E-09		2.5E-09							
IRON												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL	1.9E-10		1.7E-10		5.3E-11							
VANADIUM												
HEXAVALENT CHROMIUM	1.3E-05		1.1E-05		6.3E-06							
TOTAL CANCER RISK	2.9E-03	3.1E-06	1.7E-04	9.3E-06	3.9E-05	2.5E-07	1.4E-03	2.4E-07	2.3E-07	2.4E-07	1.1E-06	2.9E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-389	SB-390	SB-391	SB-392	SB-393	SB-394	SB-395	SB-396	SB-397	SB-398	SB-399
SAMPLE ID	SB-389-0102	SB-390-0102	SB-391-0102	SB-392-0102	SB-393-0102	SB-394-0102	SB-395-0102	SB-396-0102	SB-397-0102	SB-398-0102	SB-399-0102
SAMPLE DATE	20071015	20071015	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND	7.6E-07	3.4E-08	2.8E-09	2.4E-09	1.6E-06	4.9E-07	2.8E-09	2.8E-07	2.8E-07	1.0E-07	2.4E-09
AROCLOR-1254	1.8E-08	1.9E-08	1.9E-08	1.8E-08	1.7E-08	1.8E-08	2.0E-08	1.9E-08	1.7E-08	1.8E-08	1.8E-08
AROCLOR-1260	1.8E-08	1.9E-08	1.9E-08	1.8E-08	2.2E-08	1.8E-08	2.0E-08	1.9E-08	1.7E-08	1.8E-08	1.8E-08
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.0E-07	7.2E-08	4.2E-08	3.9E-08	1.6E-06	5.2E-07	4.3E-08	3.2E-07	3.1E-07	1.4E-07	3.8E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.7E-05	7.4E-07	6.0E-08	5.3E-08	3.4E-05	1.1E-05	6.0E-08	6.0E-06	6.0E-06	2.2E-06	5.3E-08
AROCLOR-1254	8.9E-08	9.4E-08	9.7E-08	9.2E-08	8.7E-08	9.2E-08	9.9E-08	9.7E-08	8.7E-08	8.9E-08	8.9E-08
AROCLOR-1260	8.9E-08	9.4E-08	9.7E-08	9.2E-08	1.1E-07	9.2E-08	9.9E-08	9.7E-08	8.7E-08	8.9E-08	8.9E-08
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.7E-05	9.3E-07	2.5E-07	2.4E-07	3.4E-05	1.1E-05	2.6E-07	6.2E-06	6.2E-06	2.4E-06	2.3E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-400	SB-401	SB-402	SB-403	SB-404	SB-405	SB-406	SB-407	SB-408	SB-409	SB-489
SAMPLE ID	SB-400-0102	SB-401-0102	SB-402-0102	SB-403-0102	SB-404-0102	SB-405-0102	SB-406-0102	SB-407-0102	SB-408-0102	SB-409-0102	SB-489-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND	3.2E-08	8.7E-08	1.3E-07	2.6E-09	2.6E-09	1.2E-07	1.8E-06	4.5E-07	3.0E-07	1.4E-07	3.3E-08
AROCLOR-1254	1.8E-08	2.0E-08	2.0E-08	1.8E-08	1.9E-08	1.8E-08	1.9E-08	2.1E-08	2.0E-08	2.1E-08	2.0E-08
AROCLOR-1260	1.8E-08	2.0E-08	2.0E-08	1.8E-08	1.9E-08	1.8E-08	1.9E-08	2.1E-08	2.0E-08	2.1E-08	2.0E-08
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.7E-08	1.3E-07	1.7E-07	3.9E-08	4.0E-08	1.6E-07	1.8E-06	4.9E-07	3.4E-07	1.8E-07	7.4E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.8E-07	1.9E-06	2.8E-06	5.6E-08	5.6E-08	2.7E-06	3.8E-05	9.8E-06	6.5E-06	2.9E-06	7.2E-07
AROCLOR-1254	8.9E-08	1.0E-07	1.0E-07	9.2E-08	9.4E-08	8.9E-08	9.4E-08	1.0E-07	9.9E-08	1.1E-07	1.0E-07
AROCLOR-1260	8.9E-08	1.0E-07	1.0E-07	9.2E-08	9.4E-08	8.9E-08	9.4E-08	1.0E-07	9.9E-08	1.1E-07	1.0E-07
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.6E-07	2.1E-06	3.0E-06	2.4E-07	2.4E-07	2.9E-06	3.8E-05	1.0E-05	6.7E-06	3.1E-06	9.2E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-024A	SB-024A	SB-093	SB-093	SB-094	SB-094	SB-624	SB-624	SB-625	SB-625	SB-626	SB-626
SAMPLE ID	F-SB-24ARE-1	F-SB-24ARE-2	F-SB-93RE-1	F-SB-93RE-2	F-SB-94RE-1	F-SB-94RE-2	F-SB-624-1	F-SB-624-2	F-SB-625-1	F-SB-625-2	F-SB-626-1	F-SB-626-2
SAMPLE DATE	20090922	20090922	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1	2	1	2	1	2
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1	2	1	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254			6.6E-04	7.0E-04	7.0E-04	7.3E-04						
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY	7.1E-03	4.7E-03					1.6E-04	1.0E-03	4.7E-05	2.7E-03	1.0E-02	1.3E-02
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.1E-03	4.7E-03	6.6E-04	7.0E-04	7.0E-04	7.3E-04	1.6E-04	1.0E-03	4.7E-05	2.7E-03	1.0E-02	1.3E-02
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254			8.5E-03	8.9E-03	8.9E-03	9.3E-03						
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY	9.0E-02	6.0E-02					2.1E-03	1.3E-02	6.0E-04	3.5E-02	1.3E-01	1.6E-01
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.0E-02	6.0E-02	8.5E-03	8.9E-03	8.9E-03	9.3E-03	2.1E-03	1.3E-02	6.0E-04	3.5E-02	1.3E-01	1.6E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-626B	SB-626C	SB-626D	SB-627	SB-627	SB-636	SB-637	SB-638	SB-639	SB-640	SB-651	SB-652
SAMPLE ID	F-SB-626B-(1-4)	F-SB-626C-1	F-SB-626D-1	F-SB-627-1	F-SB-627-2	F-SB-636-1	F-SB-637-1	F-SB-638-1	F-SB-639-1	F-SB-640-1	F-SB-651-1	F-SB-652-1
SAMPLE DATE	20091111	20091111	20091111	20090922	20090922	20091007	20091007	20091007	20091007	20091007	20091007	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	2	1	1	1	1	1	1	1
BOTTOM DEPTH	4	1	1	1	2	1	1	1	1	1	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254						7.0E-04	6.6E-04	6.3E-04	7.0E-04	7.0E-04	6.6E-04	7.0E-04
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY	5.7E-03	1.0E-02	1.7E-03	1.5E-03	1.8E-03							
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	5.7E-03	1.0E-02	1.7E-03	1.5E-03	1.8E-03	7.0E-04	6.6E-04	6.3E-04	7.0E-04	7.0E-04	6.6E-04	7.0E-04
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254						8.9E-03	8.5E-03	8.0E-03	8.9E-03	8.9E-03	8.5E-03	8.9E-03
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY	7.2E-02	1.3E-01	2.1E-02	1.8E-02	2.3E-02							
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	7.2E-02	1.3E-01	2.1E-02	1.8E-02	2.3E-02	8.9E-03	8.5E-03	8.0E-03	8.9E-03	8.9E-03	8.5E-03	8.9E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-800	SB-801	SB-022	SB-023	SB-024	SB-025	SB-030	SB-050	SB-055	SB-056	SB-093	SB-094	SB-095	SB-096
SAMPLE ID	F-SB-800-SS	F-SB-801-SS	SB-22A-SS	SB-23A-SS	SB-24A-SS	SB-25A-SS	SB-30A-SS	SB-50-SS	SB-55-SS	SB-56-SS	SB-93-SS	SB-94-SS	SB-95-SS	SB-96-SS
SAMPLE DATE	20100910	20100910	20040915	20040915	20040915	20040915	20040915	20040915	20040915	20040913	20040916	20040916	20040916	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	1												
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL														
BAP EQUIVALENT-HALFND														
AROCLOR-1254			1.1E-02	9.8E-03	1.0E-02	1.0E-02	9.4E-03		9.1E-03	1.4E-02	1.1E-02	4.5E-02	1.0E-02	9.8E-03
AROCLOR-1260														
ANTIMONY			3.4E-03	3.0E-03	3.2E-03	3.1E-03		2.8E-03						
ARSENIC			3.0E-03	5.0E-03	7.8E-03	1.4E-03	5.2E-03	7.3E-03	3.4E-03	6.6E-03	4.1E-03	4.8E-03	4.6E-03	4.6E-03
CADMIUM			1.9E-03	1.6E-03	1.7E-03	1.7E-03	1.7E-03	1.5E-03	1.7E-03	2.5E-03	4.4E-03	5.6E-03	1.9E-03	1.8E-03
COBALT														
IRON														
LEAD														
MERCURY	4.7E-03	8.5E-04	2.8E-04	2.4E-04	6.6E-03	2.6E-04	2.6E-04	2.0E-03	2.6E-04	3.8E-04	3.2E-03	4.6E-03	7.1E-04	2.8E-04
MOLYBDENUM														
NICKEL			4.9E-04	7.5E-04	1.5E-03	2.9E-03	4.8E-04	9.0E-04	1.4E-03	5.4E-04	1.2E-03	1.2E-03	8.6E-04	5.7E-04
VANADIUM														
HEXAVALENT CHROMIUM			4.2E-04	6.7E-04	9.2E-04	9.2E-04	4.5E-04	4.8E-04	6.7E-04	7.2E-04	5.6E-03	1.3E-03	7.2E-04	4.8E-04
TOTAL HAZARD INDEX	4.7E-03	8.5E-04	2.1E-02	2.1E-02	3.2E-02	2.1E-02	1.8E-02	1.5E-02	1.6E-02	2.5E-02	3.0E-02	6.3E-02	1.9E-02	1.7E-02
RESIDENTIAL														
BAP EQUIVALENT-HALFND														
AROCLOR-1254			1.4E-01	1.2E-01	1.3E-01	1.3E-01	1.2E-01		1.2E-01	1.8E-01	1.5E-01	5.8E-01	1.3E-01	1.2E-01
AROCLOR-1260														
ANTIMONY			5.7E-02	4.9E-02	5.3E-02	5.1E-02		4.6E-02						
ARSENIC			6.0E-02	1.0E-01	1.6E-01	2.8E-02	1.1E-01	1.5E-01	6.9E-02	1.3E-01	8.3E-02	9.7E-02	9.2E-02	9.2E-02
CADMIUM			4.1E-02	3.5E-02	3.8E-02	3.6E-02	3.6E-02	3.2E-02	3.6E-02	5.4E-02	9.5E-02	1.2E-01	4.1E-02	3.9E-02
COBALT														
IRON														
LEAD														
MERCURY	6.0E-02	1.1E-02	3.6E-03	3.0E-03	8.4E-02	3.3E-03	3.3E-03	2.5E-02	3.3E-03	4.8E-03	4.1E-02	5.8E-02	9.0E-03	3.6E-03
MOLYBDENUM														
NICKEL			5.0E-03	7.7E-03	1.5E-02	2.9E-02	4.9E-03	9.3E-03	1.4E-02	5.6E-03	1.2E-02	1.2E-02	8.8E-03	5.9E-03
VANADIUM														
HEXAVALENT CHROMIUM			3.7E-03	5.9E-03	8.1E-03	8.1E-03	3.9E-03	4.2E-03	5.9E-03	6.3E-03	5.0E-02	1.1E-02	6.3E-03	4.2E-03
TOTAL HAZARD INDEX	6.0E-02	1.1E-02	3.1E-01	3.3E-01	4.9E-01	2.9E-01	2.8E-01	2.6E-01	2.4E-01	3.9E-01	4.3E-01	8.8E-01	2.9E-01	2.7E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-236	SB-236	SB-237	SB-237	SB-238	SB-238	SB-250	SB-250	SB-251	SB-251	SB-252	SB-252
SAMPLE ID	SB-236-01	SB-236-SS	SB-237-01	SB-237-SS	SB-238-01	SB-238-SS	SB-250-02	SB-250-SS	SB-251-02	SB-251-SS	SB-252-02	SB-252-SS
SAMPLE DATE	20050509	20050509	20050509	20050509	20050517	20050517	20050509	20050509	20050509	20050509	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	1		1		1		1		1		1	
BOTTOM DEPTH	2	1	2	1	2	1	2	1	2	1	2	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254					1.4E-03	1.3E-03						
AROCLOR-1260												
ANTIMONY	4.6E-03	1.1E-03	9.2E-03	9.2E-04	3.4E-04	2.3E-03	1.4E-03	1.8E-03	2.1E-03	2.3E-03	1.8E-03	1.6E-03
ARSENIC	9.1E-03	6.8E-03	1.1E-02	3.4E-03	6.8E-03	6.8E-03	3.4E-03	1.1E-03	1.1E-02	3.4E-03	9.1E-03	2.3E-03
CADMIUM	5.0E-04	3.7E-04	3.7E-04	5.0E-04	7.5E-04	2.5E-03	1.2E-04	1.2E-04	6.2E-05	1.2E-04	1.2E-04	6.2E-05
COBALT	1.1E-02	1.3E-02	9.5E-03	1.0E-02	1.6E-02	1.2E-02	5.2E-03	1.1E-02	1.3E-02	1.1E-02	6.5E-03	6.7E-03
IRON												
LEAD												
MERCURY	4.3E-03	1.4E-03	1.6E-03	2.8E-04	3.8E-04	1.1E-03	1.4E-04	1.9E-04	4.7E-05	9.4E-05	1.9E-04	1.9E-04
MOLYBDENUM	3.3E-05	2.2E-05	7.0E-03	3.3E-05	4.4E-05	5.5E-05	3.3E-05	2.8E-05	2.8E-05	3.3E-05	3.9E-05	2.2E-05
NICKEL	1.3E-03	1.3E-03	1.9E-03	1.3E-03	2.3E-03	2.2E-03	3.2E-04	8.5E-04	9.5E-04	4.8E-04	3.2E-04	3.2E-04
VANADIUM	3.4E-03	3.3E-03	4.6E-03	3.4E-03	4.0E-03	5.4E-03	3.0E-03	2.3E-03	3.9E-03	2.7E-03	3.1E-03	2.2E-03
HEXAVALENT CHROMIUM	1.0E-03	9.1E-04	9.5E-03	1.0E-03	1.4E-03	1.9E-03	7.9E-04	6.0E-04	1.1E-03	8.1E-04	8.0E-04	6.0E-04
TOTAL HAZARD INDEX	3.5E-02	2.8E-02	5.5E-02	2.1E-02	3.3E-02	3.6E-02	1.4E-02	1.8E-02	3.3E-02	2.1E-02	2.2E-02	1.4E-02
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254					1.7E-02	1.6E-02						
AROCLOR-1260												
ANTIMONY	7.6E-02	1.9E-02	1.5E-01	1.5E-02	5.7E-03	3.8E-02	2.3E-02	3.0E-02	3.4E-02	3.8E-02	3.0E-02	2.7E-02
ARSENIC	1.8E-01	1.4E-01	2.3E-01	6.9E-02	1.4E-01	1.4E-01	6.9E-02	2.3E-02	2.3E-01	6.9E-02	1.8E-01	4.6E-02
CADMIUM	1.1E-02	8.1E-03	8.1E-03	1.1E-02	1.6E-02	5.4E-02	2.7E-03	2.7E-03	1.4E-03	2.7E-03	2.7E-03	1.4E-03
COBALT	2.5E-01	3.0E-01	2.2E-01	2.5E-01	3.7E-01	2.8E-01	1.2E-01	2.5E-01	3.1E-01	2.6E-01	1.5E-01	1.6E-01
IRON												
LEAD												
MERCURY	5.5E-02	1.7E-02	2.1E-02	3.6E-03	4.8E-03	1.4E-02	1.8E-03	2.4E-03	6.0E-04	1.2E-03	2.4E-03	2.4E-03
MOLYBDENUM	7.9E-04	5.3E-04	1.7E-01	7.9E-04	1.1E-03	1.3E-03	7.9E-04	6.6E-04	6.6E-04	7.9E-04	9.2E-04	5.3E-04
NICKEL	1.3E-02	1.3E-02	2.0E-02	1.3E-02	2.4E-02	2.3E-02	3.3E-03	8.7E-03	9.8E-03	4.9E-03	3.3E-03	3.3E-03
VANADIUM	8.1E-02	7.9E-02	1.1E-01	8.1E-02	9.4E-02	1.3E-01	7.1E-02	5.4E-02	9.4E-02	6.5E-02	7.3E-02	5.3E-02
HEXAVALENT CHROMIUM	8.9E-03	8.0E-03	8.4E-02	8.9E-03	1.2E-02	1.6E-02	7.0E-03	5.3E-03	9.4E-03	7.1E-03	7.0E-03	5.3E-03
TOTAL HAZARD INDEX	6.9E-01	5.8E-01	1.0E+00	4.5E-01	6.8E-01	7.1E-01	3.0E-01	3.8E-01	6.9E-01	4.5E-01	4.6E-01	3.0E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-253	SB-253	SB-265	SB-266	SB-267	SB-268	SB-269	SB-270	SB-382	SB-383	SB-384	SB-385
SAMPLE ID	SB-253-02	SB-253-SS	SB-265-SS	SB-266-SS	SB-267-SS	SB-268-SS	SB-269-SS	SB-270-SS	SB-382-0102	SB-383-0102	SB-384-0102	SB-385-0102
SAMPLE DATE	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20050509	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SS	SS	SS	SS	SS	SS	SB	SB	SB	SB
TOP DEPTH	1								1	1	1	1
BOTTOM DEPTH	2	1	1	1	1	1	1	1	2	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254			1.3E-03	1.3E-03	6.7E-03	1.4E-03	1.3E-03	1.3E-03	1.4E-03	1.3E-03	1.3E-03	1.3E-03
AROCLOR-1260												
ANTIMONY	2.1E-03	2.3E-03	1.1E-03	2.3E-03	2.3E-03	4.6E-03	2.3E-03	2.3E-03				
ARSENIC	3.4E-03	3.4E-03	1.1E-02	3.4E-03	3.4E-03	1.1E-02	1.4E-02	3.4E-03				
CADMIUM	5.6E-05	5.0E-04	1.0E-03	2.2E-03	8.7E-04	3.7E-03	8.7E-04	1.9E-04				
COBALT	7.4E-03	9.1E-03	1.7E-02	1.6E-02	1.1E-02	2.2E-02	1.2E-02	1.0E-02				
IRON												
LEAD												
MERCURY	1.4E-04	3.3E-04	4.2E-04	2.4E-03	3.3E-04	2.3E-03	8.5E-04	5.2E-04				
MOLYBDENUM	2.8E-05	2.8E-05	1.1E-04	3.3E-05	3.3E-05	5.5E-05	5.5E-05	3.3E-05				
NICKEL	2.6E-04	4.2E-04	2.1E-03	1.5E-03	9.5E-04	1.5E-03	1.4E-03	4.2E-04				
VANADIUM	2.8E-03	3.3E-03	5.1E-03	3.7E-03	2.4E-03	4.0E-03	4.7E-03	2.9E-03				
HEXAVALENT CHROMIUM	7.2E-04	7.4E-04	2.9E-03	1.6E-03	8.4E-04	1.6E-03	1.3E-03	7.8E-04				
TOTAL HAZARD INDEX	1.7E-02	2.0E-02	4.2E-02	3.4E-02	2.9E-02	5.2E-02	3.9E-02	2.2E-02	1.4E-03	1.3E-03	1.3E-03	1.3E-03
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254			1.6E-02	1.6E-02	8.5E-02	1.7E-02	1.6E-02	1.7E-02	1.7E-02	1.6E-02	1.7E-02	1.6E-02
AROCLOR-1260												
ANTIMONY	3.4E-02	3.8E-02	1.9E-02	3.8E-02	3.8E-02	7.6E-02	3.8E-02	3.8E-02				
ARSENIC	6.9E-02	6.9E-02	2.3E-01	6.9E-02	6.9E-02	2.3E-01	2.8E-01	6.9E-02				
CADMIUM	1.2E-03	1.1E-02	2.2E-02	4.9E-02	1.9E-02	8.1E-02	1.9E-02	4.1E-03				
COBALT	1.8E-01	2.1E-01	3.9E-01	3.7E-01	2.6E-01	5.1E-01	2.9E-01	2.4E-01				
IRON												
LEAD												
MERCURY	1.8E-03	4.2E-03	5.4E-03	3.0E-02	4.2E-03	2.9E-02	1.1E-02	6.6E-03				
MOLYBDENUM	6.6E-04	6.6E-04	2.6E-03	7.9E-04	7.9E-04	1.3E-03	1.3E-03	7.9E-04				
NICKEL	2.7E-03	4.4E-03	2.2E-02	1.5E-02	9.8E-03	1.5E-02	1.4E-02	4.4E-03				
VANADIUM	6.7E-02	7.8E-02	1.2E-01	8.8E-02	5.7E-02	9.4E-02	1.1E-01	6.9E-02				
HEXAVALENT CHROMIUM	6.3E-03	6.5E-03	2.5E-02	1.4E-02	7.4E-03	1.4E-02	1.2E-02	6.9E-03				
TOTAL HAZARD INDEX	3.6E-01	4.3E-01	8.5E-01	6.9E-01	5.5E-01	1.1E+00	7.9E-01	4.5E-01	1.7E-02	1.6E-02	1.7E-02	1.6E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-386	SB-387	SB-388	SB-389	SB-390	SB-391	SB-392	SB-393	SB-394	SB-395	SB-396
SAMPLE ID	SB-386-0102	SB-387-0102	SB-388-0102	SB-389-0102	SB-390-0102	SB-391-0102	SB-392-0102	SB-393-0102	SB-394-0102	SB-395-0102	SB-396-0102
SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
AROCLOR-1254	1.3E-03	1.2E-03	1.2E-03	1.3E-03	1.3E-03	1.4E-03	1.3E-03	1.2E-03	1.3E-03	1.4E-03	1.4E-03
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.3E-03	1.2E-03	1.2E-03	1.3E-03	1.3E-03	1.4E-03	1.3E-03	1.2E-03	1.3E-03	1.4E-03	1.4E-03
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
AROCLOR-1254	1.6E-02	1.6E-02	1.6E-02	1.6E-02	1.7E-02	1.7E-02	1.6E-02	1.6E-02	1.6E-02	1.8E-02	1.7E-02
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.6E-02	1.6E-02	1.6E-02	1.6E-02	1.7E-02	1.7E-02	1.6E-02	1.6E-02	1.6E-02	1.8E-02	1.7E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-397	SB-398	SB-399	SB-400	SB-401	SB-402	SB-403	SB-404	SB-405	SB-406	SB-407
SAMPLE ID	SB-397-0102	SB-398-0102	SB-399-0102	SB-400-0102	SB-401-0102	SB-402-0102	SB-403-0102	SB-404-0102	SB-405-0102	SB-406-0102	SB-407-0102
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
AROCLOR-1254	1.2E-03	1.3E-03	1.3E-03	1.3E-03	1.4E-03	1.4E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.5E-03
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.2E-03	1.3E-03	1.3E-03	1.3E-03	1.4E-03	1.4E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.5E-03
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
AROCLOR-1254	1.6E-02	1.6E-02	1.6E-02	1.6E-02	1.8E-02	1.8E-02	1.6E-02	1.7E-02	1.6E-02	1.7E-02	1.9E-02
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.6E-02	1.6E-02	1.6E-02	1.6E-02	1.8E-02	1.8E-02	1.6E-02	1.7E-02	1.6E-02	1.7E-02	1.9E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-408	SB-409	SB-489
SAMPLE ID	SB-408-0102	SB-409-0102	SB-489-0102
SAMPLE DATE	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	1	1	1
BOTTOM DEPTH	2	2	2
INDUSTRIAL			
BAP EQUIVALENT-HALFND			
AROCLOR-1254	1.4E-03	1.5E-03	1.4E-03
AROCLOR-1260			
ANTIMONY			
ARSENIC			
CADMIUM			
COBALT			
IRON			
LEAD			
MERCURY			
MOLYBDENUM			
NICKEL			
VANADIUM			
HEXAVALENT CHROMIUM			
TOTAL HAZARD INDEX	1.4E-03	1.5E-03	1.4E-03
RESIDENTIAL			
BAP EQUIVALENT-HALFND			
AROCLOR-1254	1.8E-02	1.9E-02	1.8E-02
AROCLOR-1260			
ANTIMONY			
ARSENIC			
CADMIUM			
COBALT			
IRON			
LEAD			
MERCURY			
MOLYBDENUM			
NICKEL			
VANADIUM			
HEXAVALENT CHROMIUM			
TOTAL HAZARD INDEX	1.8E-02	1.9E-02	1.8E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-055	SB-056	SB-056	SB-056	SB-056	SB-056	SB-056	SB-056	SB-056	SB-265RE	SB-265RE
SAMPLE ID	F-SB-55RE-10	F-SB-56RE-10	F-SB-56RE-3	F-SB-56RE-4	F-SB-56RE-5	F-SB-56RE-6	F-SB-56RE-7	F-SB-56RE-8	F-SB-56RE-9	F-SB-265RE-3	F-SB-265RE-4
SAMPLE DATE	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	3	4	5	6	7	8	9	3	4
BOTTOM DEPTH	10	10	3	4	5	6	7	8	9	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	1.3E-07	2.9E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	1.3E-07	2.9E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	2.7E-06	6.4E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	2.7E-06	6.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-266RE	SB-266RE	SB-267RE	SB-267RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE
SAMPLE ID	F-SB-266RE-3	F-SB-266RE-4	F-SB-267RE-3	F-SB-267RE-4	F-SB-268RE-10	F-SB-268RE-3	F-SB-268RE-4	F-SB-268RE-5	F-SB-268RE-6	F-SB-268RE-7
SAMPLE DATE	20090921	20090921	20090921	20090921	20091006	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	10	3	4	5	6	7
BOTTOM DEPTH	3	4	3	4	10	3	4	5	6	7
INDUSTRIAL										
BAP EQUIVALENT-HALFND	8.7E-09	2.6E-09	2.6E-09	2.6E-09	1.5E-06	2.6E-05	2.6E-06	1.0E-06	4.8E-06	2.5E-06
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260	1.0E-08	9.5E-09								
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.9E-08	1.2E-08	2.6E-09	2.6E-09	1.5E-06	2.6E-05	2.6E-06	1.0E-06	4.8E-06	2.5E-06
RESIDENTIAL										
BAP EQUIVALENT-HALFND	1.9E-07	5.6E-08	5.6E-08	5.6E-08	3.3E-05	5.7E-04	5.6E-05	2.2E-05	1.0E-04	5.3E-05
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260	5.0E-08	4.7E-08								
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.4E-07	1.0E-07	5.6E-08	5.6E-08	3.3E-05	5.7E-04	5.6E-05	2.2E-05	1.0E-04	5.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-269RE	SB-269RE	SB-270RE	SB-270RE	SB-383	SB-383
SAMPLE ID	F-SB-268RE-7-AVG	F-SB-268RE-7-D	F-SB-268RE-8	F-SB-268RE-9	F-SB-269RE-3	F-SB-269RE-4	F-SB-270RE-3	F-SB-270RE-4	F-SB-383RE-3	F-SB-383RE-4
SAMPLE DATE	20090921	20090921	20091006	20091006	20090921	20090921	20090921	20090921	20090918	20090918
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	8	9	3	4	3	4	3	4
BOTTOM DEPTH	7	7	8	9	3	4	3	4	3	4
INDUSTRIAL										
BAP EQUIVALENT-HALFND	6.5E-06	1.1E-05	1.7E-08	4.0E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	6.5E-06	1.1E-05	1.7E-08	4.0E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	1.4E-04	2.3E-04	3.6E-07	8.7E-06	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.4E-04	2.3E-04	3.6E-07	8.7E-06	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-388	SB-388	SB-388	SB-389	SB-389	SB-390	SB-390	SB-393	SB-393	SB-393
SAMPLE ID	F-SB-388RE-3	F-SB-388RE-4	F-SB-388RE-5	F-SB-389RE-3	F-SB-389RE-4	F-SB-390RE-6	F-SB-390RE-7	F-SB-393RE-3	F-SB-393RE-4	F-SB-393RE-5
SAMPLE DATE	20090921	20090921	20090921	20090918	20090918	20090918	20090918	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	3	4	6	7	3	4	5
BOTTOM DEPTH	3	4	5	3	4	6	7	3	4	5
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	1.1E-06	2.6E-09	1.0E-07
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	1.1E-06	2.6E-09	1.0E-07
RESIDENTIAL										
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	2.5E-05	5.6E-08	2.2E-06
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	2.5E-05	5.6E-08	2.2E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-393	SB-393	SB-393	SB-393	SB-397	SB-397	SB-405	SB-405	SB-628	SB-629
SAMPLE ID	F-SB-393RE-5-AVG	F-SB-393RE-5-D	F-SB-393RE-6	F-SB-393RE-7	F-SB-397RE-6	F-SB-397RE-7	F-SB-405RE-10	F-SB-405RE-9	F-SB-628-10	F-SB-629-10
SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20090922	20090922	20090918	20090918
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	6	7	6	7	10	9	10	10
BOTTOM DEPTH	5	5	6	7	6	7	10	9	10	10
INDUSTRIAL										
BAP EQUIVALENT-HALFND	1.5E-07	2.0E-07	2.6E-09	2.6E-09	1.3E-07	8.6E-08	1.0E-07	8.9E-06	2.8E-09	2.8E-09
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.5E-07	2.0E-07	2.6E-09	2.6E-09	1.3E-07	8.6E-08	1.0E-07	8.9E-06	2.8E-09	2.8E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	3.3E-06	4.4E-06	5.6E-08	5.6E-08	2.7E-06	1.9E-06	2.3E-06	1.9E-04	6.0E-08	6.0E-08
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.3E-06	4.4E-06	5.6E-08	5.6E-08	2.7E-06	1.9E-06	2.3E-06	1.9E-04	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-630	SB-631	SB-632	SB-632	SB-633	SB-633	SB-634	SB-634	SB-635	SB-635	SB-635	SB-635
SAMPLE ID	F-SB-630-10	F-SB-631-10	F-SB-632-10	F-SB-632-9	F-SB-633-10	F-SB-633-9	F-SB-634-10	F-SB-634-9	F-SB-635-10	F-SB-635-10-AVG	F-SB-635-10-D	F-SB-635-9
SAMPLE DATE	20090918	20090918	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	10	10	9	10	9	10	9	10	10	10	9
BOTTOM DEPTH	10	10	10	9	10	9	10	9	10	10	10	9
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.2E-07	9.2E-09	2.9E-09	2.8E-09	3.1E-09	1.0E-08	2.6E-09	6.0E-08	1.2E-07	9.5E-07
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.2E-07	9.2E-09	2.9E-09	2.8E-09	3.1E-09	1.0E-08	2.6E-09	6.0E-08	1.2E-07	9.5E-07
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	4.9E-06	2.0E-07	6.4E-08	6.0E-08	6.8E-08	2.2E-07	5.6E-08	1.3E-06	2.5E-06	2.1E-05
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	5.6E-08	4.9E-06	2.0E-07	6.4E-08	6.0E-08	6.8E-08	2.2E-07	5.6E-08	1.3E-06	2.5E-06	2.1E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-635C	SB-635C	SB-635C	SB-635C	SB-635C	SB-635D	SB-635D	SB-635D	SB-636	SB-636	SB-636
SAMPLE ID	F-SB-635C-3	F-SB-635C-5	F-SB-635C-7	F-SB-635C-7-AVG	F-SB-635C-7-D	F-SB-635D-5	F-SB-635D-7	F-SB-635D-9	F-SB-636-3	F-SB-636-3-AVG	F-SB-636-3-D
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091110	20091110	20091110	20091007	20091007	20091007
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	5	7	9	3	3	3
BOTTOM DEPTH	3	5	7	7	7	5	7	9	3	3	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	9.1E-08	9.6E-08	1.8E-07	4.7E-07	7.6E-07	2.8E-09	2.8E-09	2.8E-09	4.0E-07	3.5E-07	3.0E-07
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260									1.1E-08	1.1E-08	1.1E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	9.1E-08	9.6E-08	1.8E-07	4.7E-07	7.6E-07	2.8E-09	2.8E-09	2.8E-09	4.1E-07	3.6E-07	3.1E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.0E-06	2.1E-06	3.9E-06	1.0E-05	1.6E-05	6.0E-08	6.0E-08	6.0E-08	8.7E-06	7.6E-06	6.5E-06
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260									5.4E-08	5.4E-08	5.4E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.0E-06	2.1E-06	3.9E-06	1.0E-05	1.6E-05	6.0E-08	6.0E-08	6.0E-08	8.8E-06	7.7E-06	6.5E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-636	SB-636	SB-636	SB-636A	SB-636A	SB-636A	SB-636A	SB-636A	SB-636B	SB-636B	SB-636B
SAMPLE ID	F-SB-636-5	F-SB-636-7	F-SB-636-9	F-SB-636A-3	F-SB-636A-5	F-SB-636A-7	F-SB-636A-7-AVG	F-SB-636A-7-D	F-SB-636B-3	F-SB-636B-5	F-SB-636B-7
SAMPLE DATE	20091007	20091019	20091019	20091105	20091105	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	7	7	3	5	7
BOTTOM DEPTH	5	7	9	3	5	7	7	7	3	5	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.1E-06	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.8E-09	2.6E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	2.7E-08										
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-06	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.8E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.4E-05	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	6.0E-08	5.6E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	1.3E-07										
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.4E-05	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	6.0E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-636C	SB-636C	SB-636C	SB-636D	SB-636D	SB-636D	SB-637	SB-637	SB-637B	SB-637B	SB-637B
SAMPLE ID	F-SB-636C-3	F-SB-636C-5	F-SB-636C-7	F-SB-636D-3	F-SB-636D-5	F-SB-636D-7	F-SB-637-3	F-SB-637-5	F-SB-637B-3	F-SB-637B-5	F-SB-637B-5-AVG
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20091007	20091007	20091106	20091106	20091106
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	7	3	5	3	5	5
BOTTOM DEPTH	3	5	7	3	5	7	3	5	3	5	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.4E-06	1.3E-07	2.6E-09	1.2E-07	2.6E-09	2.8E-09	1.3E-08	2.4E-07	2.6E-09	2.8E-09	2.7E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260							1.0E-08	1.0E-08			
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.4E-06	1.3E-07	2.6E-09	1.2E-07	2.6E-09	2.8E-09	2.3E-08	2.5E-07	2.6E-09	2.8E-09	2.7E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.9E-05	2.9E-06	5.6E-08	2.5E-06	5.6E-08	6.0E-08	2.8E-07	5.1E-06	5.6E-08	6.0E-08	5.8E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260							5.2E-08	5.2E-08			
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.9E-05	2.9E-06	5.6E-08	2.5E-06	5.6E-08	6.0E-08	3.3E-07	5.2E-06	5.6E-08	6.0E-08	5.8E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-637B	SB-637C	SB-637C	SB-638	SB-638	SB-638	SB-638	SB-639	SB-639	SB-640	SB-640	SB-641
SAMPLE ID	F-SB-637B-5-D	F-SB-637C-3	F-SB-637C-5	F-SB-638-3	F-SB-638-3-AVG	F-SB-638-3-D	F-SB-638-5	F-SB-639-3	F-SB-639-5	F-SB-640-3	F-SB-640-5	F-SB-641-3
SAMPLE DATE	20091106	20091106	20091106	20091007	20091007	20091007	20091007	20091007	20091007	20091007	20091007	20091006
SAMPLE CODE	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	3	3	5	3	5	3	5	3
BOTTOM DEPTH	5	3	5	3	3	3	5	3	5	3	5	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	8.4E-09	2.6E-09	2.6E-09	2.6E-08
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260				1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	1.3E-08	1.3E-08	1.3E-08	1.2E-08	1.3E-08	1.8E-08	1.3E-08	1.3E-08	2.6E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	1.8E-07	5.6E-08	5.6E-08	5.6E-07
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260				5.0E-08	5.0E-08	5.0E-08	4.7E-08	5.2E-08	5.0E-08	5.0E-08	5.0E-08	
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	1.1E-07	1.1E-07	1.1E-07	1.0E-07	1.1E-07	2.3E-07	1.1E-07	1.1E-07	5.6E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-641	SB-641A	SB-641B	SB-641C	SB-642	SB-642	SB-642	SB-642	SB-642	SB-642	SB-642A	SB-642A
SAMPLE ID	F-SB-641-5	F-SB-641A-3	F-SB-641B-3	F-SB-641C-3	F-SB-642-3	F-SB-642-3-AVG	F-SB-642-3-D	F-SB-642-5	F-SB-642-7	F-SB-642-9	F-SB-642A-3	F-SB-642A-5
SAMPLE DATE	20091006	20091104	20091104	20091104	20091019	20091019	20091019	20091019	20091019	20091019	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	3	3	3	3	3	5	7	9	3	5
BOTTOM DEPTH	5	3	3	3	3	3	3	5	7	9	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	3.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	9.6E-08	2.6E-09	2.0E-06	2.6E-09	2.8E-09
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	9.6E-08	2.6E-09	2.0E-06	2.6E-09	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	8.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	2.1E-06	5.6E-08	4.3E-05	5.6E-08	6.0E-08
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	2.1E-06	5.6E-08	4.3E-05	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-642A	SB-642A	SB-642B	SB-642B	SB-642B	SB-642B	SB-642C	SB-642C	SB-642C	SB-642C	SB-642C
SAMPLE ID	F-SB-642A-7	F-SB-642A-9	F-SB-642B-3	F-SB-642B-5	F-SB-642B-7	F-SB-642B-9	F-SB-642C-3	F-SB-642C-5	F-SB-642C-7	F-SB-642C-7-AVG	F-SB-642C-7-D
SAMPLE DATE	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	3	5	7	7	7
BOTTOM DEPTH	7	9	3	5	7	9	3	5	7	7	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	7.0E-07	3.4E-08	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.7E-09	2.6E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	7.0E-07	3.4E-08	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.7E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	1.5E-05	7.4E-07	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.8E-08	5.6E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	1.5E-05	7.4E-07	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.8E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-642C	SB-643	SB-643	SB-643	SB-643	SB-643B	SB-643B	SB-643B	SB-643B	SB-643B	SB-643B
SAMPLE ID	F-SB-642C-9	F-SB-643-3	F-SB-643-5	F-SB-643-7	F-SB-643-9	F-SB-643B-3	F-SB-643B-5	F-SB-643B-7	F-SB-643B-7-AVG	F-SB-643B-7-D	F-SB-643B-9
SAMPLE DATE	20091104	20091016	20091016	20091016	20091016	20091105	20091105	20091105	20091105	20091105	20091105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	7	7	9
BOTTOM DEPTH	9	3	5	7	9	3	5	7	7	7	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.7E-09	2.6E-09	2.6E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.7E-09	2.6E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.8E-08	5.6E-08	5.6E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.8E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-643C	SB-643C	SB-643C	SB-643C	SB-644	SB-644	SB-644	SB-644	SB-644	SB-644	SB-645	SB-645
SAMPLE ID	F-SB-643C-3	F-SB-643C-5	F-SB-643C-7	F-SB-643C-9	F-SB-644-3	F-SB-644-3-AVG	F-SB-644-3-D	F-SB-644-5	F-SB-644-7	F-SB-644-9	F-SB-645-3	F-SB-645-5
SAMPLE DATE	20091105	20091105	20091105	20091105	20091016	20091016	20091016	20091016	20091016	20091016	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	3	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	9	3	3	3	5	7	9	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.8E-09	2.8E-09	3.1E-07	2.8E-09	2.7E-09	2.6E-09	2.8E-09	2.6E-09	2.9E-09	2.4E-08	7.9E-09
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	2.8E-09	2.8E-09	3.1E-07	2.8E-09	2.7E-09	2.6E-09	2.8E-09	2.6E-09	2.9E-09	2.4E-08	7.9E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	6.0E-08	6.0E-08	6.7E-06	6.0E-08	5.8E-08	5.6E-08	6.0E-08	5.6E-08	6.4E-08	5.2E-07	1.7E-07
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	6.0E-08	6.0E-08	6.7E-06	6.0E-08	5.8E-08	5.6E-08	6.0E-08	5.6E-08	6.4E-08	5.2E-07	1.7E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-645	SB-645A	SB-645B	SB-645B	SB-645B	SB-645C	SB-646	SB-646	SB-646	SB-646	SB-646
SAMPLE ID	F-SB-645-7	F-SB-645A-3	F-SB-645B-3	F-SB-645B-3-AVG	F-SB-645B-3-D	F-SB-645C-3	F-SB-646-3	F-SB-646-3-AVG	F-SB-646-3-D	F-SB-646-5	F-SB-646-7
SAMPLE DATE	20091006	20091105	20091105	20091105	20091105	20091105	20091006	20091006	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	3	3	3	3	3	3	3	5	7
BOTTOM DEPTH	7	3	3	3	3	3	3	3	3	5	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	7.9E-09	2.6E-09	2.6E-09	2.7E-09	2.8E-09	2.9E-09	4.2E-09	4.0E-09	3.8E-09	3.8E-09	3.8E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.9E-09	2.6E-09	2.6E-09	2.7E-09	2.8E-09	2.9E-09	4.2E-09	4.0E-09	3.8E-09	3.8E-09	3.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.7E-07	5.6E-08	5.6E-08	5.8E-08	6.0E-08	6.4E-08	9.0E-08	8.6E-08	8.3E-08	8.3E-08	8.3E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.7E-07	5.6E-08	5.6E-08	5.8E-08	6.0E-08	6.4E-08	9.0E-08	8.6E-08	8.3E-08	8.3E-08	8.3E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-647	SB-647	SB-647	SB-647A	SB-647B	SB-647C	SB-648	SB-648	SB-648	SB-649	SB-649	SB-650
SAMPLE ID	F-SB-647-3	F-SB-647-5	F-SB-647-7	F-SB-647A-3	F-SB-647B-3	F-SB-647C-3	F-SB-648-3	F-SB-648-5	F-SB-648-7	F-SB-649-3	F-SB-649-5	F-SB-650-3
SAMPLE DATE	20091006	20091006	20091006	20091105	20091105	20091105	20091006	20091006	20091006	20091006	20091006	20091006
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	3	3	3	5	7	3	5	3
BOTTOM DEPTH	3	5	7	3	3	3	3	5	7	3	5	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	4.0E-09	4.2E-09	3.6E-09	2.8E-09	2.8E-09	2.0E-07	3.6E-09	3.8E-09	4.0E-09	3.8E-09	3.8E-09	3.6E-09
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	4.0E-09	4.2E-09	3.6E-09	2.8E-09	2.8E-09	2.0E-07	3.6E-09	3.8E-09	4.0E-09	3.8E-09	3.8E-09	3.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	8.6E-08	9.0E-08	7.9E-08	6.0E-08	6.0E-08	4.4E-06	7.9E-08	8.3E-08	8.6E-08	8.3E-08	8.3E-08	7.9E-08
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.6E-08	9.0E-08	7.9E-08	6.0E-08	6.0E-08	4.4E-06	7.9E-08	8.3E-08	8.6E-08	8.3E-08	8.3E-08	7.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-650	SB-650	SB-650	SB-651	SB-651	SB-652	SB-652	SB-652	SB-652	SB-652A	SB-652A	SB-652A
SAMPLE ID	F-SB-650-3-AVG	F-SB-650-3-D	F-SB-650-5	F-SB-651-3	F-SB-651-5	F-SB-652-3	F-SB-652-5	F-SB-652-7	F-SB-652-9	F-SB-652A-3	F-SB-652A-5	F-SB-652A-7
SAMPLE DATE	20091006	20091006	20091006	20091007	20091007	20091007	20091007	20091019	20091019	20091105	20091105	20091105
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	3	5	3	5	7	9	3	5	7
BOTTOM DEPTH	3	3	5	3	5	3	5	7	9	3	5	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	3.6E-09	3.6E-09	3.6E-09	2.6E-09	2.6E-09	1.2E-07	1.4E-06	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260				1.0E-08	1.0E-08	1.0E-08	1.0E-08					
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.6E-09	3.6E-09	3.6E-09	1.3E-08	1.3E-08	1.3E-07	1.4E-06	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	7.9E-08	7.9E-08	7.9E-08	5.6E-08	5.6E-08	2.5E-06	2.9E-05	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260				5.0E-08	5.0E-08	5.0E-08	5.0E-08					
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	7.9E-08	7.9E-08	7.9E-08	1.1E-07	1.1E-07	2.6E-06	2.9E-05	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-652B	SB-652B	SB-652B	SB-652C	SB-652C	SB-652C	SB-797	SB-797	SB-798	SB-798	SB-798
SAMPLE ID	F-SB-652B-3	F-SB-652B-5	F-SB-652B-7	F-SB-652C-3	F-SB-652C-5	F-SB-652C-7	F-SB-797-03	F-SB-797-05	F-SB-798-03	F-SB-798-03-AVG	F-SB-798-03-D
SAMPLE DATE	20091105	20091105	20091105	20091105	20091105	20091105	20100820	20100820	20100820	20100820	20100820
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	7	3	5	3	3	3
BOTTOM DEPTH	3	5	7	3	5	7	3	5	3	3	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	6.4E-09	9.0E-07	7.1E-08	3.9E-08	6.1E-09
NAPHTHALENE											
NAPHTHALENE							8.0E-11	8.7E-11	8.2E-11	7.9E-11	7.6E-11
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	6.5E-09	9.0E-07	7.2E-08	3.9E-08	6.1E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	5.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	1.4E-07	1.9E-05	1.5E-06	8.4E-07	1.3E-07
NAPHTHALENE											
NAPHTHALENE							4.0E-10	4.4E-10	4.1E-10	4.0E-10	3.8E-10
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	5.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	1.4E-07	1.9E-05	1.5E-06	8.4E-07	1.3E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-798	SB-799	SB-799	SB-022	SB-022	SB-023	SB-023	SB-024	SB-024	SB-025	SB-025	SB-026	SB-027	SB-028
SAMPLE ID	F-SB-798-05	F-SB-799-03	F-SB-799-05	SB-22-05	SB-22-10	SB-23-05	SB-23-10	SB-24-05	SB-24-10	SB-25-05	SB-25-10	SB-26-10	SB-27-10	SB-28-10
SAMPLE DATE	20100820	20100820	20100820	20031117	20031117	20031118	20031118	20031117	20031117	20031117	20031117	20031117	20031117	20031117
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	5	10	5	10	5	10	5	10	10	10	10
BOTTOM DEPTH	5	3	5	5	10	5	10	5	10	5	10	10	10	10
INDUSTRIAL														
BAP EQUIVALENT-HALFND	6.2E-09	6.2E-09	6.4E-09	6.9E-07	6.8E-07	6.8E-07	6.8E-07	6.8E-07	6.9E-07	6.8E-07	6.9E-07			
NAPHTHALENE				1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.5E-10	1.5E-10	1.3E-10
NAPHTHALENE	7.8E-11	7.8E-11	8.0E-11											
AROCLOR-1260				3.0E-08	2.9E-08	2.9E-08	2.9E-08	3.1E-08	2.9E-08	2.9E-08	2.9E-08			
ARSENIC				1.1E-06	9.9E-07	5.5E-07	3.7E-07	1.3E-06	8.4E-07	3.4E-07	6.2E-07			
COBALT														
LEAD														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM				3.6E-07	4.4E-07	1.5E-07		3.6E-07	3.3E-07	3.0E-07	4.4E-07			
TOTAL CANCER RISK	6.3E-09	6.3E-09	6.5E-09	2.1E-06	2.1E-06	1.4E-06	1.1E-06	2.3E-06	1.9E-06	1.3E-06	1.8E-06	1.5E-10	1.5E-10	1.3E-10
RESIDENTIAL														
BAP EQUIVALENT-HALFND	1.4E-07	1.4E-07	1.4E-07	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05			
NAPHTHALENE				6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	7.6E-10	7.6E-10	6.5E-10
NAPHTHALENE	3.9E-10	3.9E-10	4.0E-10											
AROCLOR-1260				1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07			
ARSENIC				8.3E-06	7.7E-06	4.3E-06	2.8E-06	1.0E-05	6.6E-06	2.6E-06	4.8E-06			
COBALT														
LEAD														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM				5.4E-06	6.6E-06	2.2E-06		5.4E-06	5.0E-06	4.5E-06	6.6E-06			
TOTAL CANCER RISK	1.4E-07	1.4E-07	1.4E-07	2.9E-05	2.9E-05	2.1E-05	1.8E-05	3.0E-05	2.7E-05	2.2E-05	2.7E-05	7.6E-10	7.6E-10	6.5E-10

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-029	SB-030	SB-093	SB-093	SB-093	SB-093	SB-093	SB-093	SB-093	SB-093	SB-094	SB-094
SAMPLE ID	SB-29-10	SB-30-05	F-SB-93RE-10	F-SB-93RE-3	F-SB-93RE-4	F-SB-93RE-5	F-SB-93RE-6	F-SB-93RE-7	F-SB-93RE-8	F-SB-93RE-9	F-SB-94RE-10	F-SB-94RE-3
SAMPLE DATE	20031117	20031118	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	3	4	5	6	7	8	9	10	3
BOTTOM DEPTH	10	5	10	3	4	5	6	7	8	9	10	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND		6.6E-07	2.6E-09	2.6E-09	2.6E-09	1.2E-07	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09
NAPHTHALENE	1.5E-10	1.3E-10										
NAPHTHALENE												
AROCLOR-1260		2.9E-08	1.0E-08	9.5E-09	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
ARSENIC		3.6E-07										
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM		5.2E-07										
TOTAL CANCER RISK	1.5E-10	1.6E-06	1.3E-08	1.2E-08	1.3E-08	1.3E-07	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08	1.3E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND		1.4E-05	5.6E-08	5.6E-08	5.6E-08	2.7E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08
NAPHTHALENE	7.6E-10	6.5E-10										
NAPHTHALENE												
AROCLOR-1260		1.4E-07	5.0E-08	4.7E-08	5.0E-08	4.7E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08
ARSENIC		2.8E-06										
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM		7.9E-06										
TOTAL CANCER RISK	7.6E-10	2.5E-05	1.1E-07	1.0E-07	1.1E-07	2.8E-06	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.1E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095
SAMPLE ID	F-SB-94RE-4	F-SB-94RE-5	F-SB-94RE-6	F-SB-94RE-7	F-SB-94RE-8	F-SB-94RE-9	F-SB-95RE-10	F-SB-95RE-3	F-SB-95RE-4	F-SB-95RE-5	F-SB-95RE-6	F-SB-95RE-7
SAMPLE DATE	20090921	20090921	20090921	20090921	20090921	20090921	20090918	20090918	20090918	20090918	20090918	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	10	3	4	5	6	7
BOTTOM DEPTH	4	5	6	7	8	9	10	3	4	5	6	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	8.5E-08	2.6E-09	2.6E-09	2.6E-09	1.0E-07	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08						
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.3E-08	1.3E-08	9.5E-08	1.3E-08	1.3E-08	1.3E-08	1.0E-07	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	1.8E-06	5.6E-08	5.6E-08	5.6E-08	2.2E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08						
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.1E-07	1.1E-07	1.9E-06	1.1E-07	1.1E-07	1.1E-07	2.2E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-095	SB-095	SB-096	SB-096	SB-096	SB-096	SB-096	SB-096	SB-096	SB-096	SB-236	SB-237
SAMPLE ID	F-SB-95RE-8	F-SB-95RE-9	F-SB-96RE-10	F-SB-96RE-3	F-SB-96RE-4	F-SB-96RE-5	F-SB-96RE-6	F-SB-96RE-7	F-SB-96RE-8	F-SB-96RE-9	SB-236-05	SB-237-05
SAMPLE DATE	20090918	20090918	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20050509	20050509
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	10	3	4	5	6	7	8	9	5	5
BOTTOM DEPTH	8	9	10	3	4	5	6	7	8	9	5	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.8E-09	2.5E-07	2.6E-09	2.8E-09	2.9E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	6.2E-08		
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC											2.6E-06	3.7E-07
COBALT											1.4E-09	1.8E-09
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM											5.7E-07	6.8E-07
TOTAL CANCER RISK	2.8E-09	2.5E-07	2.6E-09	2.8E-09	2.9E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	6.2E-08	3.1E-06	1.0E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.0E-08	5.4E-06	5.6E-08	6.0E-08	6.4E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	1.3E-06		
NAPHTHALENE												
NAPHTHALENE												
AROCLOR-1260												
ARSENIC											2.0E-05	2.8E-06
COBALT											7.1E-09	9.2E-09
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM											8.5E-06	1.0E-05
TOTAL CANCER RISK	6.0E-08	5.4E-06	5.6E-08	6.0E-08	6.4E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	1.3E-06	2.8E-05	1.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-238	SB-295	SB-295	SB-296	SB-296	SB-297	SB-297	SB-298	SB-298	SB-299	SB-299	SB-382
SAMPLE ID	SB-238-05	SB-295-0405	SB-295-0910	SB-296-0405	SB-296-0910	SB-297-0405	SB-297-0910	SB-298-0405	SB-298-0910	SB-299-0405	SB-299-0910	SB-382-0203
SAMPLE DATE	20050517	20051101	20051101	20051028	20051028	20051028	20051028	20051101	20051101	20051101	20051101	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	4	9	4	9	4	9	4	9	4	9	2
BOTTOM DEPTH	5	5	10	5	10	5	10	5	10	5	10	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.0E-05	6.9E-07	6.8E-07	7.1E-07	6.8E-07	6.6E-07	6.8E-07	6.8E-07	6.9E-07	6.6E-07	6.8E-07	2.9E-09
NAPHTHALENE	6.9E-06	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	
NAPHTHALENE												
AROCLOR-1260	1.9E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	2.1E-08
ARSENIC	1.1E-06	1.7E-06	1.1E-06	2.1E-06	8.8E-07	1.2E-06	1.1E-06	1.3E-06	7.3E-07	4.8E-07	8.1E-07	
COBALT	3.4E-09	3.6E-10	1.9E-09	7.3E-09	1.4E-09	1.4E-09	2.0E-09	1.8E-09	1.2E-09	2.5E-09	2.1E-09	
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	6.6E-07	6.9E-07	8.0E-07	1.1E-06	5.8E-07	7.2E-07	5.3E-07	4.5E-07	1.1E-06	5.1E-07	4.4E-07	
TOTAL CANCER RISK	1.9E-05	3.1E-06	2.5E-06	3.9E-06	2.1E-06	2.6E-06	2.3E-06	2.4E-06	2.5E-06	1.7E-06	1.9E-06	2.4E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.2E-04	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	6.4E-08
NAPHTHALENE	3.5E-05	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	
NAPHTHALENE												
AROCLOR-1260	9.7E-08	5.2E-08	5.0E-08	5.2E-08	5.0E-08	4.7E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	5.0E-08	1.1E-07
ARSENIC	8.5E-06	1.3E-05	8.3E-06	1.6E-05	6.8E-06	9.4E-06	8.5E-06	1.0E-05	5.7E-06	3.7E-06	6.3E-06	
COBALT	1.7E-08	1.8E-09	9.7E-09	3.7E-08	6.9E-09	6.9E-09	1.0E-08	9.2E-09	6.1E-09	1.3E-08	1.1E-08	
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM	9.9E-06	1.0E-05	1.2E-05	1.6E-05	8.7E-06	1.1E-05	7.9E-06	6.7E-06	1.6E-05	7.7E-06	6.6E-06	
TOTAL CANCER RISK	2.8E-04	3.9E-05	3.5E-05	4.8E-05	3.0E-05	3.5E-05	3.1E-05	3.1E-05	3.7E-05	2.6E-05	2.8E-05	1.7E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-382	SB-382	SB-383	SB-383	SB-383	SB-384	SB-384	SB-384	SB-385	SB-385	SB-385
SAMPLE ID	SB-382-0405	SB-382-0708	SB-383-0203	SB-383-0405	SB-383-0708	SB-384-0203	SB-384-0405	SB-384-0708	SB-385-0203	SB-385-0405	SB-385-0708
SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	5	8	3	5	8	3	5	8	3	5	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	1.8E-07	1.3E-07	3.5E-08	2.6E-09	2.6E-09	2.9E-09	2.4E-09	2.4E-09	2.6E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	2.0E-08	2.1E-08	1.9E-08	2.1E-08	2.0E-08	1.9E-08	1.9E-08	2.1E-08	1.8E-08	1.8E-08	1.9E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.3E-08	2.4E-08	2.0E-07	1.5E-07	5.5E-08	2.2E-08	2.2E-08	2.4E-08	2.0E-08	2.0E-08	2.2E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	3.8E-06	2.9E-06	7.5E-07	5.6E-08	5.6E-08	6.4E-08	5.3E-08	5.3E-08	5.6E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	1.0E-07	1.0E-07	9.4E-08	1.0E-07	9.9E-08	9.4E-08	9.7E-08	1.1E-07	8.9E-08	8.9E-08	9.7E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.6E-07	1.6E-07	3.9E-06	3.0E-06	8.5E-07	1.5E-07	1.5E-07	1.7E-07	1.4E-07	1.4E-07	1.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-386	SB-386	SB-386	SB-387	SB-387	SB-387	SB-388	SB-388	SB-388	SB-389	SB-389
SAMPLE ID	SB-386-0203	SB-386-0405	SB-386-0708	SB-387-0203	SB-387-0405	SB-387-0708	SB-388-0203	SB-388-0405	SB-388-0708	SB-389-0203	SB-389-0405
SAMPLE DATE	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015	20071015
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.4E-09	2.4E-09	2.6E-09	1.1E-07
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	1.8E-08	1.8E-08	1.9E-08	1.8E-08	1.9E-08	1.8E-08	1.9E-08	1.8E-08	1.8E-08	1.9E-08	1.9E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.1E-08	2.1E-08	2.2E-08	2.0E-08	2.2E-08	2.1E-08	2.2E-08	2.0E-08	2.1E-08	2.2E-08	1.3E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	5.3E-08	5.6E-08	5.6E-08	5.6E-08	5.3E-08	5.3E-08	5.6E-08	2.5E-06
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	9.2E-08	9.2E-08	9.7E-08	8.9E-08	9.7E-08	9.2E-08	9.4E-08	8.9E-08	9.2E-08	9.7E-08	9.4E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.4E-07	1.4E-07	1.5E-07	2.6E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-389	SB-050	SB-050	SB-055	SB-055	SB-056	SB-056	SB-093	SB-093	SB-094	SB-094	SB-095	SB-095	SB-096	SB-096
SAMPLE ID	SB-389-0708	SB-50-05	SB-50-10	SB-55-05	SB-55-10	SB-56-05	SB-56-10	SB-93-05	SB-93-10	SB-94-05	SB-94-10	SB-95-05	SB-95-10	SB-96-05	SB-96-10
SAMPLE DATE	20071015	20040915	20040915	20040915	20040915	20040913	20040913	20040916	20040916	20040916	20040916	20040916	20040916	20040916	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	5	10	5	10	5	10	5	10	5	10	5	10	5	10
BOTTOM DEPTH	8	5	10	5	10	5	10	5	10	5	10	5	10	5	10
INDUSTRIAL															
BAP EQUIVALENT-HALFND	3.4E-08			7.1E-07	1.6E-06					2.2E-06	4.3E-06				
NAPHTHALENE				1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10		1.3E-10	1.3E-10	1.3E-10	1.3E-10
NAPHTHALENE											2.5E-09				
AROCLOR-1260	1.9E-08			1.5E-07	1.5E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07	1.5E-07	1.4E-07	1.4E-07	1.4E-07
ARSENIC		3.5E-07	4.4E-07	7.0E-07	2.1E-07	9.7E-08	1.1E-07	1.1E-07	1.0E-07	1.1E-07	1.0E-07	1.1E-07	1.1E-07	9.5E-08	1.1E-07
COBALT															
LEAD															
MERCURY															
VANADIUM															
HEXAVALENT CHROMIUM		3.6E-07	1.6E-07	4.1E-07	2.3E-07	4.1E-07	2.8E-07	5.5E-07	2.7E-07	3.9E-07	5.5E-07	5.2E-07	2.6E-07	3.6E-08	4.7E-07
TOTAL CANCER RISK	5.3E-08	7.1E-07	6.0E-07	2.0E-06	2.2E-06	6.5E-07	5.2E-07	8.0E-07	5.2E-07	2.9E-06	5.1E-06	7.8E-07	5.2E-07	2.8E-07	7.2E-07
RESIDENTIAL															
BAP EQUIVALENT-HALFND	7.3E-07			1.5E-05	3.5E-05					4.9E-05	9.3E-05				
NAPHTHALENE				6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10	6.5E-10		6.5E-10	6.5E-10	6.5E-10	6.5E-10
NAPHTHALENE											1.3E-08				
AROCLOR-1260	9.4E-08			7.4E-07	7.7E-07	6.9E-07	6.9E-07	7.2E-07	7.2E-07	7.2E-07	7.2E-07	7.4E-07	7.2E-07	7.2E-07	7.2E-07
ARSENIC		2.7E-06	3.4E-06	5.4E-06	1.7E-06	7.6E-07	8.3E-07	8.4E-07	8.0E-07	8.3E-07	7.8E-07	8.3E-07	8.4E-07	7.4E-07	8.4E-07
COBALT															
LEAD															
MERCURY															
VANADIUM															
HEXAVALENT CHROMIUM		5.4E-06	2.4E-06	6.2E-06	3.5E-06	6.2E-06	4.1E-06	8.3E-06	4.1E-06	5.8E-06	8.3E-06	7.9E-06	4.0E-06	5.4E-07	7.0E-06
TOTAL CANCER RISK	8.2E-07	8.1E-06	5.8E-06	2.8E-05	4.1E-05	7.6E-06	5.7E-06	9.8E-06	5.6E-06	5.6E-05	1.0E-04	9.4E-06	5.5E-06	2.0E-06	8.6E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-390	SB-390	SB-390	SB-391	SB-391	SB-391	SB-392	SB-392	SB-392	SB-393	SB-393
SAMPLE ID	SB-390-0203	SB-390-0405	SB-390-0708	SB-391-0203	SB-391-0405	SB-391-0708	SB-392-0203	SB-392-0405	SB-392-0708	SB-393-0203	SB-393-0405
SAMPLE DATE	20071015	20071015	20071015	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.9E-09	3.4E-06	2.8E-09	3.5E-09	2.6E-09	2.6E-09	2.6E-09	6.9E-08	2.6E-09	2.4E-09	2.6E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	2.1E-08	2.0E-08	2.0E-08	2.5E-08	1.9E-08	1.9E-08	1.8E-08	1.9E-08	1.9E-08	1.8E-08	1.7E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.4E-08	3.4E-06	2.3E-08	2.8E-08	2.2E-08	2.2E-08	2.1E-08	8.9E-08	2.2E-08	2.0E-08	4.3E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.4E-08	7.4E-05	6.0E-08	7.5E-08	5.6E-08	5.6E-08	5.6E-08	1.5E-06	5.6E-08	5.3E-08	5.6E-07
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	1.0E-07	9.9E-08	9.9E-08	1.2E-07	9.4E-08	9.7E-08	9.2E-08	9.7E-08	9.7E-08	8.9E-08	8.7E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.7E-07	7.4E-05	1.6E-07	2.0E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-06	1.5E-07	1.4E-07	6.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-393	SB-394	SB-394	SB-394	SB-395	SB-395	SB-395	SB-396	SB-396	SB-396	SB-397
SAMPLE ID	SB-393-0708	SB-394-0203	SB-394-0405	SB-394-0708	SB-395-0203	SB-395-0405	SB-395-0708	SB-396-0203	SB-396-0405	SB-396-0708	SB-397-0203
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	8.7E-08	2.6E-09	2.6E-09	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	1.9E-08	1.8E-08	1.9E-08	1.9E-08	1.7E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.8E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.2E-08	1.0E-07	2.2E-08	2.2E-08	1.9E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.1E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	1.9E-06	5.6E-08	5.6E-08	5.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	9.4E-08	8.9E-08	9.4E-08	9.4E-08	8.4E-08	9.4E-08	9.4E-08	9.4E-08	9.7E-08	9.7E-08	9.2E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-07	2.0E-06	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-07	1.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-397	SB-397	SB-398	SB-398	SB-398	SB-399	SB-399	SB-399	SB-400	SB-400	SB-400
SAMPLE ID	SB-397-0405	SB-397-0708	SB-398-0203	SB-398-0405	SB-398-0708	SB-399-0203	SB-399-0405	SB-399-0708	SB-400-0203	SB-400-0405	SB-400-0708
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	7	2	4	7	2	4	7	2	4	7
BOTTOM DEPTH	5	8	3	5	8	3	5	8	3	5	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.9E-06	2.6E-09	1.1E-07	2.6E-09	2.6E-09	2.4E-09	7.6E-08	2.8E-09	2.4E-09	2.6E-09	2.8E-09
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	1.9E-08	1.9E-08	1.9E-08	1.8E-08	1.9E-08	1.8E-08	1.9E-08	2.0E-08	1.8E-08	1.9E-08	2.0E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.0E-06	2.2E-08	1.3E-07	2.1E-08	2.2E-08	2.1E-08	9.6E-08	2.3E-08	2.0E-08	2.2E-08	2.3E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.4E-05	5.6E-08	2.5E-06	5.6E-08	5.6E-08	5.3E-08	1.7E-06	6.0E-08	5.3E-08	5.6E-08	6.0E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	9.4E-08	9.7E-08	9.4E-08	9.2E-08	9.4E-08	9.2E-08	9.7E-08	9.9E-08	8.9E-08	9.7E-08	1.0E-07
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.4E-05	1.5E-07	2.6E-06	1.5E-07	1.5E-07	1.4E-07	1.7E-06	1.6E-07	1.4E-07	1.5E-07	1.6E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-401	SB-401	SB-401	SB-402	SB-402	SB-402	SB-403	SB-403	SB-403	SB-404	SB-404
SAMPLE ID	SB-401-0203	SB-401-0405	SB-401-0708	SB-402-0203	SB-402-0405	SB-402-0708	SB-403-0203	SB-403-0405	SB-403-0708	SB-404-0203	SB-404-0405
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	4	7	2	4	7	2	4	7	2	4
BOTTOM DEPTH	3	5	8	3	5	8	3	5	8	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	6.2E-08
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	1.8E-08	2.0E-08	1.9E-08	1.9E-08	1.9E-08	1.9E-08	1.8E-08	1.9E-08	2.0E-08	2.0E-08	2.1E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.1E-08	2.3E-08	2.2E-08	2.2E-08	2.2E-08	2.2E-08	2.1E-08	2.2E-08	2.3E-08	2.3E-08	8.3E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	6.0E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	1.4E-06
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	9.2E-08	9.9E-08	9.4E-08	9.7E-08	9.7E-08	9.7E-08	9.2E-08	9.7E-08	9.9E-08	1.0E-07	1.0E-07
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-07	1.6E-07	1.5E-07	1.5E-07	1.6E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-07	1.6E-07	1.5E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-404	SB-405	SB-405	SB-405	SB-406	SB-406	SB-406	SB-407	SB-407	SB-407	SB-408
SAMPLE ID	SB-404-0708	SB-405-0203	SB-405-0405	SB-405-0708	SB-406-0203	SB-406-0405	SB-406-0708	SB-407-0203	SB-407-0405	SB-407-0708	SB-408-0203
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	4	7	2	4	7	2	4	7	2
BOTTOM DEPTH	8	3	5	8	3	5	8	3	5	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.5E-07	2.4E-09	1.1E-06	8.0E-07	1.1E-06	2.1E-07	2.9E-07	6.6E-07	3.8E-07	1.0E-07	1.7E-07
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	2.1E-08	1.8E-08	2.0E-08	2.1E-08	2.1E-08	2.0E-08	2.1E-08	2.1E-08	2.2E-08	2.2E-08	1.9E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.7E-07	2.1E-08	1.2E-06	8.2E-07	1.1E-06	2.4E-07	3.2E-07	6.8E-07	4.0E-07	1.3E-07	1.9E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.4E-06	5.3E-08	2.5E-05	1.7E-05	2.4E-05	4.7E-06	6.4E-06	1.4E-05	8.3E-06	2.3E-06	3.8E-06
NAPHTHALENE											
NAPHTHALENE											
AROCLOR-1260	1.1E-07	9.2E-08	9.9E-08	1.1E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.1E-07	1.1E-07	9.7E-08
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.5E-06	1.4E-07	2.5E-05	1.7E-05	2.4E-05	4.8E-06	6.5E-06	1.4E-05	8.4E-06	2.4E-06	3.9E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-408	SB-408	SB-409	SB-409	SB-409	SB-489	SB-489	SB-489	SB-490	SB-490
SAMPLE ID	SB-408-0405	SB-408-0708	SB-409-0203	SB-409-0405	SB-409-0708	SB-489-0203	SB-489-0405	SB-489-0708	SB-490-0405	SB-490-0708
SAMPLE DATE	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071016	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	7	2	4	7	2	4	7	4	7
BOTTOM DEPTH	5	8	3	5	8	3	5	8	5	8
INDUSTRIAL										
BAP EQUIVALENT-HALFND	4.2E-08	2.8E-09	2.8E-09	2.3E-07	3.1E-09	9.0E-07	3.4E-08	7.3E-08	3.8E-07	1.1E-07
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260	1.5E-08	2.0E-08	2.0E-08	2.1E-08	2.2E-08	2.1E-08	2.1E-08	2.2E-08	2.1E-08	1.9E-08
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.7E-08	2.3E-08	2.3E-08	2.5E-07	2.6E-08	9.2E-07	5.5E-08	9.5E-08	4.0E-07	1.3E-07
RESIDENTIAL										
BAP EQUIVALENT-HALFND	9.0E-07	6.0E-08	6.0E-08	5.0E-06	6.8E-08	2.0E-05	7.4E-07	1.6E-06	8.3E-06	2.3E-06
NAPHTHALENE										
NAPHTHALENE										
AROCLOR-1260	7.4E-08	1.0E-07	9.9E-08	1.0E-07	1.1E-07	1.1E-07	1.0E-07	1.1E-07	1.0E-07	9.4E-08
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	9.8E-07	1.6E-07	1.6E-07	5.1E-06	1.8E-07	2.0E-05	8.4E-07	1.7E-06	8.4E-06	2.4E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-024A	SB-024A	SB-024A	SB-626	SB-626	SB-626	SB-626C	SB-626D	SB-626D	SB-626D	SB-797
SAMPLE ID	F-SB-24ARE-3	F-SB-24ARE-4	F-SB-24ARE-5	F-SB-626-3	F-SB-626-4	F-SB-626-5	F-SB-626C-3	F-SB-626D-3	F-SB-626D-3-AVG	F-SB-626D-3-D	F-SB-797-03
SAMPLE DATE	20090922	20090922	20090922	20090922	20090922	20090922	20091111	20091111	20091111	20091111	20100820
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	3	4	5	3	3	3	3	3
BOTTOM DEPTH	3	4	5	3	4	5	3	3	3	3	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
NAPHTHALENE											2.3E-06
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY	4.0E-04	3.9E-04	4.9E-05	2.8E-03	2.4E-03	4.5E-05	6.1E-04	4.7E-03	4.0E-03	3.4E-03	
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.0E-04	3.9E-04	4.9E-05	2.8E-03	2.4E-03	4.5E-05	6.1E-04	4.7E-03	4.0E-03	3.4E-03	2.3E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
NAPHTHALENE											1.1E-05
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY	5.1E-03	5.0E-03	6.3E-04	3.6E-02	3.0E-02	5.7E-04	7.8E-03	6.0E-02	5.1E-02	4.3E-02	
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	5.1E-03	5.0E-03	6.3E-04	3.6E-02	3.0E-02	5.7E-04	7.8E-03	6.0E-02	5.1E-02	4.3E-02	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-797	SB-798	SB-798	SB-798	SB-798	SB-799	SB-799	SB-800	SB-800	SB-801	SB-802
SAMPLE ID	F-SB-797-05	F-SB-798-03	F-SB-798-03-AVG	F-SB-798-03-D	F-SB-798-05	F-SB-799-03	F-SB-799-05	F-SB-800-03	F-SB-800-05-AVG	F-SB-801-03	F-SB-802-03
SAMPLE DATE	20100820	20100820	20100820	20100820	20100820	20100820	20100820	20100910	20100910	20100910	20100910
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	AVG	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	3	3	5	3	5	3	5	3	3
BOTTOM DEPTH	5	3	3	3	5	3	5	3	5	3	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
NAPHTHALENE	2.5E-06	2.4E-06	2.3E-06	2.2E-06	2.3E-06	2.3E-06	2.3E-06				
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY								8.5E-03	8.2E-05	3.2E-03	4.2E-03
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.5E-06	2.4E-06	2.3E-06	2.2E-06	2.3E-06	2.3E-06	2.3E-06	8.5E-03	8.2E-05	3.2E-03	4.2E-03
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
NAPHTHALENE	1.2E-05	1.1E-05	1.1E-05	1.0E-05	1.1E-05	1.1E-05	1.1E-05				
AROCLOR-1260											
ARSENIC											
COBALT											
LEAD											
MERCURY								1.1E-01	1.0E-03	4.1E-02	5.3E-02
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.2E-05	1.1E-05	1.1E-05	1.0E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-01	1.0E-03	4.1E-02	5.3E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-022	SB-022	SB-023	SB-023	SB-024	SB-024	SB-025	SB-025	SB-026	SB-027	SB-028
SAMPLE ID	SB-22-05	SB-22-10	SB-23-05	SB-23-10	SB-24-05	SB-24-10	SB-25-05	SB-25-10	SB-26-10	SB-27-10	SB-28-10
SAMPLE DATE	20031117	20031117	20031118	20031118	20031117	20031117	20031117	20031117	20031117	20031117	20031117
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	10	10	10	10
BOTTOM DEPTH	5	10	5	10	5	10	5	10	10	10	10
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	4.4E-06	4.4E-06	3.8E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC	6.6E-03	6.2E-03	3.4E-03	2.3E-03	8.0E-03	5.2E-03	2.1E-03	3.9E-03			
COBALT											
LEAD											
MERCURY	2.8E-04	2.8E-04	2.8E-04	2.8E-04	4.4E-03	8.0E-04	2.8E-04	2.8E-04			
VANADIUM											
HEXAVALENT CHROMIUM	6.7E-04	8.2E-04	2.7E-04		6.7E-04	6.1E-04	5.6E-04	8.2E-04			
TOTAL HAZARD INDEX	7.6E-03	7.3E-03	4.0E-03	2.6E-03	1.3E-02	6.7E-03	2.9E-03	5.0E-03	4.4E-06	4.4E-06	3.8E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	2.1E-05	2.1E-05	1.8E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC	1.3E-01	1.2E-01	6.9E-02	4.6E-02	1.6E-01	1.1E-01	4.3E-02	7.9E-02			
COBALT											
LEAD											
MERCURY	3.6E-03	3.6E-03	3.6E-03	3.6E-03	5.6E-02	1.0E-02	3.6E-03	3.6E-03			
VANADIUM											
HEXAVALENT CHROMIUM	5.9E-03	7.2E-03	2.4E-03		5.9E-03	5.4E-03	5.0E-03	7.2E-03			
TOTAL HAZARD INDEX	1.4E-01	1.4E-01	7.5E-02	5.0E-02	2.2E-01	1.2E-01	5.1E-02	8.9E-02	2.1E-05	2.1E-05	1.8E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-029	SB-030	SB-236	SB-237	SB-238	SB-295	SB-295	SB-296	SB-296	SB-297	SB-297	SB-298
SAMPLE ID	SB-29-10	SB-30-05	SB-236-05	SB-237-05	SB-238-05	SB-295-0405	SB-295-0910	SB-296-0405	SB-296-0910	SB-297-0405	SB-297-0910	SB-298-0405
SAMPLE DATE	20031117	20031118	20050509	20050509	20050517	20051101	20051101	20051028	20051028	20051028	20051028	20051101
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	5	5	5	4	9	4	9	4	9	4
BOTTOM DEPTH	10	5	5	5	5	5	10	5	10	5	10	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	4.4E-06	3.8E-06			2.0E-01	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06
NAPHTHALENE												
AROCLOR-1260												
ARSENIC		2.3E-03	1.6E-02	2.3E-03	6.8E-03	1.0E-02	6.6E-03	1.3E-02	5.5E-03	7.5E-03	6.8E-03	8.0E-03
COBALT			1.2E-02	1.5E-02	2.7E-02	3.0E-03	1.6E-02	6.0E-02	1.1E-02	1.1E-02	1.6E-02	1.5E-02
LEAD												
MERCURY		2.8E-04	4.6E-03	4.7E-05	3.3E-04	4.7E-05	2.4E-05	9.4E-05	4.7E-05	2.4E-05	2.4E-05	2.4E-05
VANADIUM			3.0E-03	3.9E-03	3.8E-03	4.5E-03	3.6E-03	6.8E-03	3.6E-03	3.9E-03	3.5E-03	3.1E-03
HEXAVALENT CHROMIUM		9.7E-04	1.1E-03	1.3E-03	1.2E-03	1.3E-03	1.5E-03	2.0E-03	1.1E-03	1.3E-03	9.8E-04	8.4E-04
TOTAL HAZARD INDEX	4.4E-06	3.5E-03	3.6E-02	2.2E-02	2.4E-01	1.9E-02	2.8E-02	8.2E-02	2.1E-02	2.4E-02	2.8E-02	2.7E-02
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	2.1E-05	1.8E-05			9.3E-01	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
NAPHTHALENE												
AROCLOR-1260												
ARSENIC		4.6E-02	3.2E-01	4.6E-02	1.4E-01	2.1E-01	1.3E-01	2.6E-01	1.1E-01	1.5E-01	1.4E-01	1.6E-01
COBALT			2.7E-01	3.5E-01	6.5E-01	7.0E-02	3.7E-01	1.4E+00	2.6E-01	2.6E-01	3.8E-01	3.5E-01
LEAD												
MERCURY		3.6E-03	5.8E-02	6.0E-04	4.2E-03	6.0E-04	3.0E-04	1.2E-03	6.0E-04	3.0E-04	3.0E-04	3.0E-04
VANADIUM			7.1E-02	9.2E-02	9.0E-02	1.1E-01	8.5E-02	1.6E-01	8.6E-02	9.3E-02	8.4E-02	7.5E-02
HEXAVALENT CHROMIUM		8.6E-03	9.3E-03	1.1E-02	1.1E-02	1.1E-02	1.3E-02	1.7E-02	9.5E-03	1.2E-02	8.7E-03	7.4E-03
TOTAL HAZARD INDEX	2.1E-05	5.8E-02	7.3E-01	5.0E-01	1.8E+00	4.0E-01	6.1E-01	1.9E+00	4.7E-01	5.2E-01	6.1E-01	5.9E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-298	SB-299	SB-299	SB-050	SB-050	SB-055	SB-055	SB-056	SB-056	SB-093	SB-093	SB-094
SAMPLE ID	SB-298-0910	SB-299-0405	SB-299-0910	SB-50-05	SB-50-10	SB-55-05	SB-55-10	SB-56-05	SB-56-10	SB-93-05	SB-93-10	SB-94-05
SAMPLE DATE	20051101	20051101	20051101	20040915	20040915	20040915	20040915	20040913	20040913	20040916	20040916	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	4	9	5	10	5	10	5	10	5	10	5
BOTTOM DEPTH	10	5	10	5	10	5	10	5	10	5	10	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	3.8E-06	3.8E-06	3.8E-06			3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06
NAPHTHALENE												
AROCLOR-1260												
ARSENIC	4.6E-03	3.0E-03	5.0E-03	2.2E-03	2.7E-03	4.3E-03	1.3E-03	6.0E-04	6.6E-04	6.7E-04	6.4E-04	6.6E-04
COBALT	9.8E-03	2.0E-02	1.7E-02									
LEAD												
MERCURY	2.4E-05	2.4E-05	2.4E-05	2.6E-04	2.6E-04	2.6E-04	2.6E-04	2.6E-04	2.8E-04	2.8E-04	2.6E-04	2.8E-04
VANADIUM	5.1E-03	3.0E-03	2.3E-03									
HEXAVALENT CHROMIUM	2.0E-03	9.5E-04	8.2E-04	6.7E-04	3.0E-04	7.7E-04	4.3E-04	7.7E-04	5.1E-04	1.0E-03	5.1E-04	7.2E-04
TOTAL HAZARD INDEX	2.2E-02	2.7E-02	2.5E-02	3.1E-03	3.3E-03	5.4E-03	2.0E-03	1.6E-03	1.5E-03	2.0E-03	1.4E-03	1.7E-03
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE	1.8E-05	1.8E-05	1.8E-05			1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05
NAPHTHALENE												
AROCLOR-1260												
ARSENIC	9.2E-02	6.0E-02	1.0E-01	4.4E-02	5.5E-02	8.8E-02	2.7E-02	1.2E-02	1.3E-02	1.4E-02	1.3E-02	1.3E-02
COBALT	2.3E-01	4.8E-01	4.1E-01									
LEAD												
MERCURY	3.0E-04	3.0E-04	3.0E-04	3.3E-03	3.3E-03	3.3E-03	3.3E-03	3.3E-03	3.6E-03	3.6E-03	3.3E-03	3.6E-03
VANADIUM	1.2E-01	7.1E-02	5.4E-02									
HEXAVALENT CHROMIUM	1.8E-02	8.4E-03	7.2E-03	5.9E-03	2.6E-03	6.8E-03	3.8E-03	6.8E-03	4.5E-03	9.0E-03	4.5E-03	6.3E-03
TOTAL HAZARD INDEX	4.6E-01	6.2E-01	5.7E-01	5.4E-02	6.1E-02	9.8E-02	3.4E-02	2.2E-02	2.2E-02	2.6E-02	2.1E-02	2.3E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-094	SB-095	SB-095	SB-096	SB-096
SAMPLE ID	SB-94-10	SB-95-05	SB-95-10	SB-96-05	SB-96-10
SAMPLE DATE	20040916	20040916	20040916	20040916	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10
INDUSTRIAL					
BAP EQUIVALENT-HALFND					
NAPHTHALENE		3.8E-06	3.8E-06	3.8E-06	3.8E-06
NAPHTHALENE	7.3E-05				
AROCLOR-1260					
ARSENIC	6.3E-04	6.6E-04	6.7E-04	5.9E-04	6.7E-04
COBALT					
LEAD					
MERCURY	2.6E-04	2.8E-04	2.8E-04	2.4E-04	2.8E-04
VANADIUM					
HEXAVALENT CHROMIUM	1.0E-03	9.7E-04	4.9E-04	6.7E-05	8.7E-04
TOTAL HAZARD INDEX	2.0E-03	1.9E-03	1.5E-03	9.0E-04	1.8E-03
RESIDENTIAL					
BAP EQUIVALENT-HALFND					
NAPHTHALENE		1.8E-05	1.8E-05	1.8E-05	1.8E-05
NAPHTHALENE	3.4E-04				
AROCLOR-1260					
ARSENIC	1.3E-02	1.3E-02	1.4E-02	1.2E-02	1.4E-02
COBALT					
LEAD					
MERCURY	3.3E-03	3.6E-03	3.6E-03	3.0E-03	3.6E-03
VANADIUM					
HEXAVALENT CHROMIUM	9.0E-03	8.6E-03	4.3E-03	5.9E-04	7.7E-03
TOTAL HAZARD INDEX	2.5E-02	2.6E-02	2.2E-02	1.6E-02	2.5E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-3.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-055	SB-056	SB-056	SB-056	SB-056	SB-056	SB-056	SB-056	SB-056	SB-093	SB-093
SAMPLE ID	F-SB-55RE-11	F-SB-56RE-11	F-SB-56RE-12	F-SB-56RE-13	F-SB-56RE-13-AVG	F-SB-56RE-13-D	F-SB-56RE-14	F-SB-56RE-15	SB-56-15	F-SB-93RE-11	F-SB-93RE-12
SAMPLE DATE	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20090918	20040913	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	11	12	13	13	13	14	15	15	11	12
BOTTOM DEPTH	11	11	12	13	13	13	14	15	15	11	12
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE									1.5E-11		
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE									1.9E-10		
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09		2.6E-09	2.6E-09
NAPHTHALENE									1.3E-10		
AROCLOR-1254									1.5E-07	1.0E-08	1.0E-08
AROCLOR-1260									1.5E-07	1.0E-08	1.0E-08
ANTIMONY											
ARSENIC									1.0E-07		
CADMIUM									6.4E-11		
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL									3.9E-11		
VANADIUM											
HEXAVALENT CHROMIUM									2.6E-07		
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	6.6E-07	2.3E-08	2.3E-08
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE									1.5E-10		
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE									9.8E-10		
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08		5.6E-08	5.6E-08
NAPHTHALENE									6.5E-10		
AROCLOR-1254									7.4E-07	5.0E-08	5.0E-08
AROCLOR-1260									7.4E-07	5.0E-08	5.0E-08
ANTIMONY											
ARSENIC									8.0E-07		
CADMIUM									1.3E-10		
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL									7.9E-11		
VANADIUM											
HEXAVALENT CHROMIUM									3.9E-06		
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	6.2E-06	1.6E-07	1.6E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-093	SB-093	SB-093	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094	SB-094	SB-095
SAMPLE ID	F-SB-93RE-13	F-SB-93RE-14	SB-93-15	F-SB-94RE-11	F-SB-94RE-12	F-SB-94RE-12-AVG	F-SB-94RE-12-D	F-SB-94RE-13	F-SB-94RE-14	F-SB-94RE-15	SB-94-15	F-SB-95RE-11
SAMPLE DATE	20090921	20090921	20040916	20090921	20090921	20090921	20090921	20090921	20090921	20090921	20040916	20090918
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	14	15	11	12	12	12	13	14	15	15	11
BOTTOM DEPTH	13	14	15	11	12	12	12	13	14	15	15	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE			1.5E-11								1.5E-11	
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE			1.9E-10								1.9E-10	
BAP EQUIVALENT-HALFND	8.2E-08	5.0E-08	6.9E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09		1.1E-08
NAPHTHALENE			1.3E-10								1.3E-10	
AROCLOR-1254	1.1E-08	1.0E-08	1.4E-07	1.0E-08	9.5E-09	9.5E-09	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.5E-07	
AROCLOR-1260	1.1E-08	1.0E-08	1.4E-07	1.0E-08	9.5E-09	9.5E-09	9.5E-09	1.0E-08	1.0E-08	1.0E-08	1.5E-07	
ANTIMONY												
ARSENIC			1.0E-07								1.1E-07	
CADMIUM			6.4E-11								6.8E-11	
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL			1.2E-10								1.3E-10	
VANADIUM												
HEXAVALENT CHROMIUM			5.0E-07								7.4E-07	
TOTAL CANCER RISK	1.0E-07	7.1E-08	1.6E-06	2.3E-08	2.2E-08	2.2E-08	2.2E-08	2.4E-08	2.4E-08	2.4E-08	1.2E-06	1.1E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE			1.5E-10								1.5E-10	
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE			9.8E-10								9.8E-10	
BAP EQUIVALENT-HALFND	1.8E-06	1.1E-06	1.5E-05	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08		2.4E-07
NAPHTHALENE			6.5E-10								6.5E-10	
AROCLOR-1254	5.7E-08	5.2E-08	7.2E-07	5.0E-08	4.7E-08	4.7E-08	4.7E-08	5.2E-08	5.2E-08	5.2E-08	7.4E-07	
AROCLOR-1260	5.7E-08	5.2E-08	7.2E-07	5.0E-08	4.7E-08	4.7E-08	4.7E-08	5.2E-08	5.2E-08	5.2E-08	7.4E-07	
ANTIMONY												
ARSENIC			8.0E-07								8.4E-07	
CADMIUM			1.3E-10								1.4E-10	
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL			2.4E-10								2.6E-10	
VANADIUM												
HEXAVALENT CHROMIUM			7.4E-06								1.1E-05	
TOTAL CANCER RISK	1.9E-06	1.2E-06	2.5E-05	1.6E-07	1.5E-07	1.5E-07	1.5E-07	1.6E-07	1.6E-07	1.6E-07	1.3E-05	2.4E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-095	SB-095	SB-095	SB-095	SB-095	SB-095	SB-096	SB-096	SB-096	SB-096	SB-096
SAMPLE ID	F-SB-95RE-12	F-SB-95RE-13	F-SB-95RE-13-AVG	F-SB-95RE-13-D	F-SB-95RE-14	F-SB-95RE-15	F-SB-96RE-11	F-SB-96RE-11-AVG	F-SB-96RE-11-D	F-SB-96RE-12	F-SB-96RE-13
SAMPLE DATE	20090918	20090918	20090918	20090918	20090918	20090918	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	12	13	13	13	14	15	11	11	11	12	13
BOTTOM DEPTH	12	13	13	13	14	15	11	11	11	12	13
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.8E-09	2.1E-07	1.1E-06	1.9E-06	2.4E-07	1.1E-07	2.8E-09	2.7E-09	2.6E-09	2.8E-09	1.3E-07
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.1E-07	1.1E-06	1.9E-06	2.4E-07	1.1E-07	2.8E-09	2.7E-09	2.6E-09	2.8E-09	1.3E-07
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	6.0E-08	4.6E-06	2.3E-05	4.2E-05	5.2E-06	2.4E-06	6.0E-08	5.8E-08	5.6E-08	6.0E-08	2.9E-06
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	4.6E-06	2.3E-05	4.2E-05	5.2E-06	2.4E-06	6.0E-08	5.8E-08	5.6E-08	6.0E-08	2.9E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-096	SB-096	SB-096	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-268RE	SB-405	SB-405	SB-405
SAMPLE ID	F-SB-96RE-14	F-SB-96RE-15	SB-96-15	F-SB-268RE-11	F-SB-268RE-12	F-SB-268RE-13	F-SB-268RE-14	F-SB-268RE-15	F-SB-405RE-11	F-SB-405RE-12	F-SB-405RE-13
SAMPLE DATE	20090921	20090921	20040916	20091006	20091019	20091019	20091019	20091019	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	14	15	15	11	12	13	14	15	11	12	13
BOTTOM DEPTH	14	15	15	11	12	13	14	15	11	12	13
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE			1.5E-11								
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE			1.9E-10								
BAP EQUIVALENT-HALFND	2.0E-07	2.6E-09		3.3E-07	2.6E-09	2.2E-05	4.9E-08	7.8E-08	1.5E-07	4.7E-08	1.8E-07
NAPHTHALENE			1.3E-10								
AROCLOR-1254			1.5E-07								
AROCLOR-1260			1.5E-07								
ANTIMONY											
ARSENIC			1.1E-07								
CADMIUM			6.8E-11								
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL			9.8E-12								
VANADIUM											
HEXAVALENT CHROMIUM			4.1E-08								
TOTAL CANCER RISK	2.0E-07	2.6E-09	4.5E-07	3.3E-07	2.6E-09	2.2E-05	4.9E-08	7.8E-08	1.5E-07	4.7E-08	1.8E-07
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE			1.5E-10								
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE			9.8E-10								
BAP EQUIVALENT-HALFND	4.3E-06	5.6E-08		7.1E-06	5.6E-08	4.8E-04	1.1E-06	1.7E-06	3.4E-06	1.0E-06	4.0E-06
NAPHTHALENE			6.5E-10								
AROCLOR-1254			7.4E-07								
AROCLOR-1260			7.4E-07								
ANTIMONY											
ARSENIC			8.5E-07								
CADMIUM			1.4E-10								
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL			2.0E-11								
VANADIUM											
HEXAVALENT CHROMIUM			6.2E-07								
TOTAL CANCER RISK	4.3E-06	5.6E-08	3.0E-06	7.1E-06	5.6E-08	4.8E-04	1.1E-06	1.7E-06	3.4E-06	1.0E-06	4.0E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-405	SB-405	SB-628	SB-629	SB-630	SB-631	SB-635	SB-635	SB-635	SB-635C	SB-635D	SB-642
SAMPLE ID	F-SB-405RE-13-AVG	F-SB-405RE-13-D	F-SB-628-11	F-SB-629-11	F-SB-630-11	F-SB-631-11	F-SB-635-11	F-SB-635-12	F-SB-635-13	F-SB-635C-11	F-SB-635D-11	F-SB-642-11
SAMPLE DATE	20090922	20090922	20090918	20090918	20090918	20090918	20090922	20090922	20090922	20091104	20091110	20091019
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	13	11	11	11	11	11	12	13	11	11	11
BOTTOM DEPTH	13	13	11	11	11	11	11	12	13	11	11	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	9.3E-08	4.2E-09	2.9E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	1.3E-08	9.6E-08	2.8E-09	8.5E-08	2.6E-09
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.3E-08	4.2E-09	2.9E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	1.3E-08	9.6E-08	2.8E-09	8.5E-08	2.6E-09
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	2.0E-06	9.0E-08	6.4E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	2.7E-07	2.1E-06	6.0E-08	1.8E-06	5.6E-08
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-06	9.0E-08	6.4E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	2.7E-07	2.1E-06	6.0E-08	1.8E-06	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-642	SB-642	SB-642A	SB-642A	SB-642A	SB-642B	SB-642B	SB-642B	SB-642C	SB-642C	SB-642C	SB-643
SAMPLE ID	F-SB-642-13	F-SB-642-15	F-SB-642A-11	F-SB-642A-13	F-SB-642A-15	F-SB-642B-11	F-SB-642B-13	F-SB-642B-15	F-SB-642C-11	F-SB-642C-13	F-SB-642C-15	F-SB-643-11
SAMPLE DATE	20091019	20091019	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091104	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	6.6E-07	9.7E-08	2.6E-09	2.6E-09	2.6E-09	2.8E-09	4.3E-08	2.8E-09	2.6E-09	9.0E-09	2.6E-09	7.8E-07
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.6E-07	9.7E-08	2.6E-09	2.6E-09	2.6E-09	2.8E-09	4.3E-08	2.8E-09	2.6E-09	9.0E-09	2.6E-09	7.8E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	1.4E-05	2.1E-06	5.6E-08	5.6E-08	5.6E-08	6.0E-08	9.3E-07	6.0E-08	5.6E-08	1.9E-07	5.6E-08	1.7E-05
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.4E-05	2.1E-06	5.6E-08	5.6E-08	5.6E-08	6.0E-08	9.3E-07	6.0E-08	5.6E-08	1.9E-07	5.6E-08	1.7E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-643	SB-643	SB-643B	SB-643B	SB-643B	SB-643C	SB-643C	SB-643C	SB-644	SB-644	SB-644
SAMPLE ID	F-SB-643-13	F-SB-643-15	F-SB-643B-11	F-SB-643B-13	F-SB-643B-15	F-SB-643C-11	F-SB-643C-13	F-SB-643C-15	F-SB-644-11	F-SB-644-13	F-SB-644-15
SAMPLE DATE	20091016	20091016	20091105	20091105	20091105	20091105	20091105	20091105	20091016	20091016	20091016
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.6E-09	8.8E-08	2.8E-09	2.8E-09	9.3E-07	1.4E-08	2.6E-09	5.9E-08	2.6E-09
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.6E-09	8.8E-08	2.8E-09	2.8E-09	9.3E-07	1.4E-08	2.6E-09	5.9E-08	2.6E-09
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	5.6E-08	1.9E-06	6.0E-08	6.0E-08	2.0E-05	3.1E-07	5.6E-08	1.3E-06	5.6E-08
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	6.0E-08	5.6E-08	1.9E-06	6.0E-08	6.0E-08	2.0E-05	3.1E-07	5.6E-08	1.3E-06	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-3.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-056	SB-093	SB-093	SB-093	SB-093	SB-093	SB-094	SB-094	SB-094	SB-094	SB-094
SAMPLE ID	SB-56-15	F-SB-93RE-11	F-SB-93RE-12	F-SB-93RE-13	F-SB-93RE-14	SB-93-15	F-SB-94RE-11	F-SB-94RE-12	F-SB-94RE-12-AVG	F-SB-94RE-12-D	F-SB-94RE-13
SAMPLE DATE	20040913	20090921	20090921	20090921	20090921	20040916	20090921	20090921	20090921	20090921	20090921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	12	13	14	15	11	12	12	12	13
BOTTOM DEPTH	15	11	12	13	14	15	11	12	12	12	13
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE	1.8E-06					1.8E-06					
1,2,4-TRICHLOROBENZENE	8.5E-06					8.5E-06					
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE	8.9E-08					8.9E-08					
BAP EQUIVALENT-HALFND											
NAPHTHALENE	3.8E-06					3.8E-06					
AROCLOR-1254	1.0E-02	7.0E-04	7.0E-04	8.0E-04	7.3E-04	1.0E-02	7.0E-04	6.6E-04	6.6E-04	6.6E-04	7.3E-04
AROCLOR-1260											
ANTIMONY											
ARSENIC	6.4E-04					6.4E-04					
CADMIUM	1.7E-03					1.7E-03					
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	2.6E-04					2.6E-04					
MOLYBDENUM											
NICKEL	6.4E-04					1.9E-03					
VANADIUM											
HEXAVALENT CHROMIUM	4.9E-04					9.2E-04					
TOTAL HAZARD INDEX	1.4E-02	7.0E-04	7.0E-04	8.0E-04	7.3E-04	1.6E-02	7.0E-04	6.6E-04	6.6E-04	6.6E-04	7.3E-04
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE	4.8E-05					4.8E-05					
1,2,4-TRICHLOROBENZENE	3.9E-05					3.9E-05					
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE	8.4E-07					8.4E-07					
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.8E-05					1.8E-05					
AROCLOR-1254	1.3E-01	8.9E-03	8.9E-03	1.0E-02	9.3E-03	1.3E-01	8.9E-03	8.5E-03	8.5E-03	8.5E-03	9.3E-03
AROCLOR-1260											
ANTIMONY											
ARSENIC	1.3E-02					1.3E-02					
CADMIUM	3.8E-02					3.8E-02					
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY	3.3E-03					3.3E-03					
MOLYBDENUM											
NICKEL	6.5E-03					2.0E-02					
VANADIUM											
HEXAVALENT CHROMIUM	4.3E-03					8.1E-03					
TOTAL HAZARD INDEX	2.0E-01	8.9E-03	8.9E-03	1.0E-02	9.3E-03	2.1E-01	8.9E-03	8.5E-03	8.5E-03	8.5E-03	9.3E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

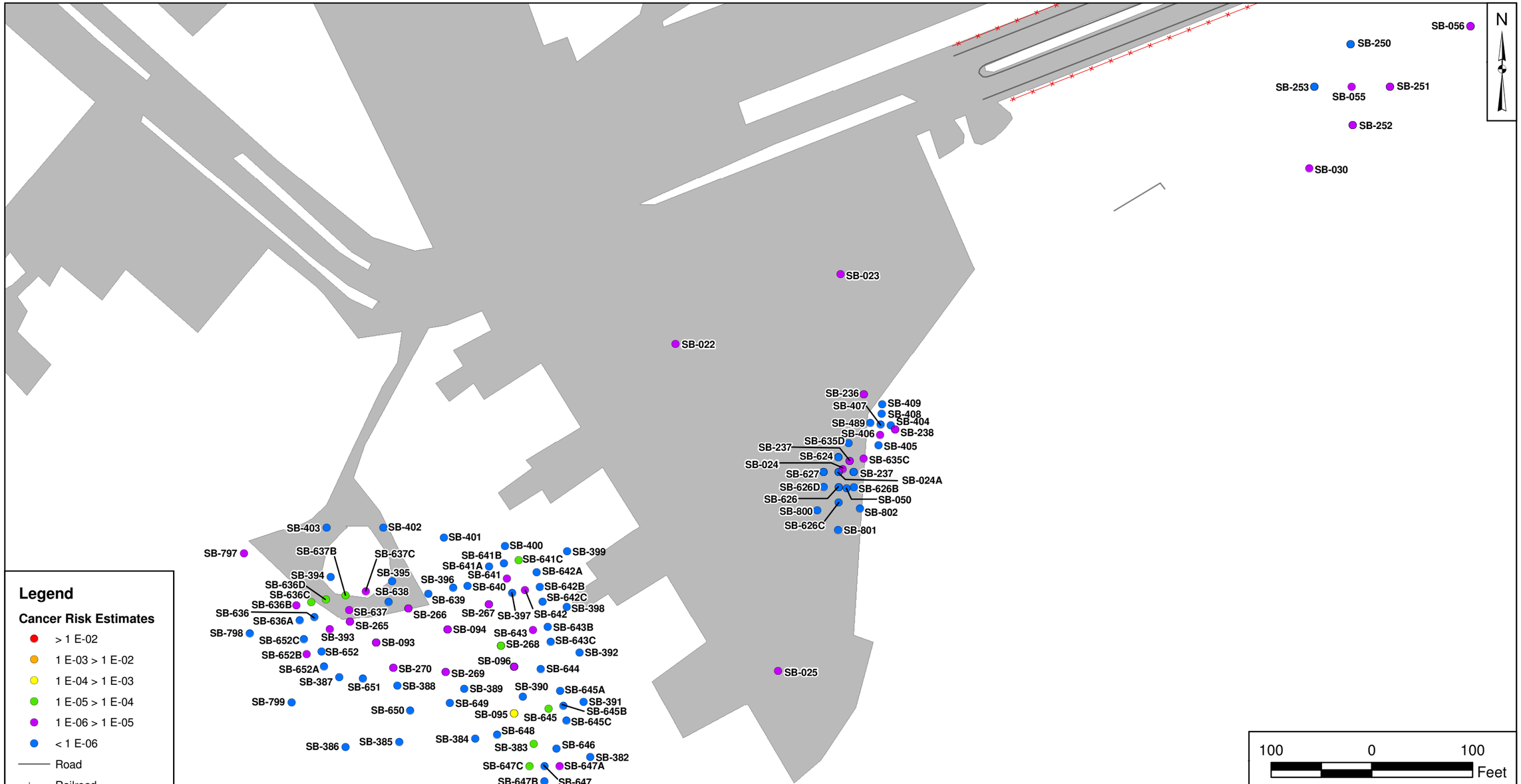
TABLE E-3.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-094	SB-094	SB-094	SB-096
SAMPLE ID	F-SB-94RE-14	F-SB-94RE-15	SB-94-15	SB-96-15
SAMPLE DATE	20090921	20090921	20040916	20040916
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	14	15	15	15
BOTTOM DEPTH	14	15	15	15
INDUSTRIAL				
1,2,3-TRICHLOROBENZENE			1.8E-06	1.8E-06
1,2,4-TRICHLOROBENZENE			8.5E-06	8.5E-06
1,3-DICHLOROBENZENE				
1,4-DICHLOROBENZENE			8.9E-08	8.9E-08
BAP EQUIVALENT-HALFND				
NAPHTHALENE			3.8E-06	3.8E-06
AROCLOR-1254	7.3E-04	7.3E-04	1.0E-02	1.0E-02
AROCLOR-1260				
ANTIMONY				
ARSENIC			6.7E-04	6.8E-04
CADMIUM			1.9E-03	1.9E-03
COBALT				
IRON				
LEAD				
MANGANESE				
MERCURY			2.8E-04	2.8E-04
MOLYBDENUM				
NICKEL			2.1E-03	1.6E-04
VANADIUM				
HEXAVALENT CHROMIUM			1.4E-03	7.7E-05
TOTAL HAZARD INDEX	7.3E-04	7.3E-04	1.7E-02	1.4E-02
RESIDENTIAL				
1,2,3-TRICHLOROBENZENE			4.8E-05	4.8E-05
1,2,4-TRICHLOROBENZENE			3.9E-05	3.9E-05
1,3-DICHLOROBENZENE				
1,4-DICHLOROBENZENE			8.4E-07	8.4E-07
BAP EQUIVALENT-HALFND				
NAPHTHALENE			1.8E-05	1.8E-05
AROCLOR-1254	9.3E-03	9.3E-03	1.3E-01	1.3E-01
AROCLOR-1260				
ANTIMONY				
ARSENIC			1.4E-02	1.4E-02
CADMIUM			4.1E-02	4.1E-02
COBALT				
IRON				
LEAD				
MANGANESE				
MERCURY			3.6E-03	3.6E-03
MOLYBDENUM				
NICKEL			2.2E-02	1.6E-03
VANADIUM				
HEXAVALENT CHROMIUM			1.2E-02	6.8E-04
TOTAL HAZARD INDEX	9.3E-03	9.3E-03	2.3E-01	1.9E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SURFACE_INDUSTRIAL_CR.MXD 03/22/11 TW



Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

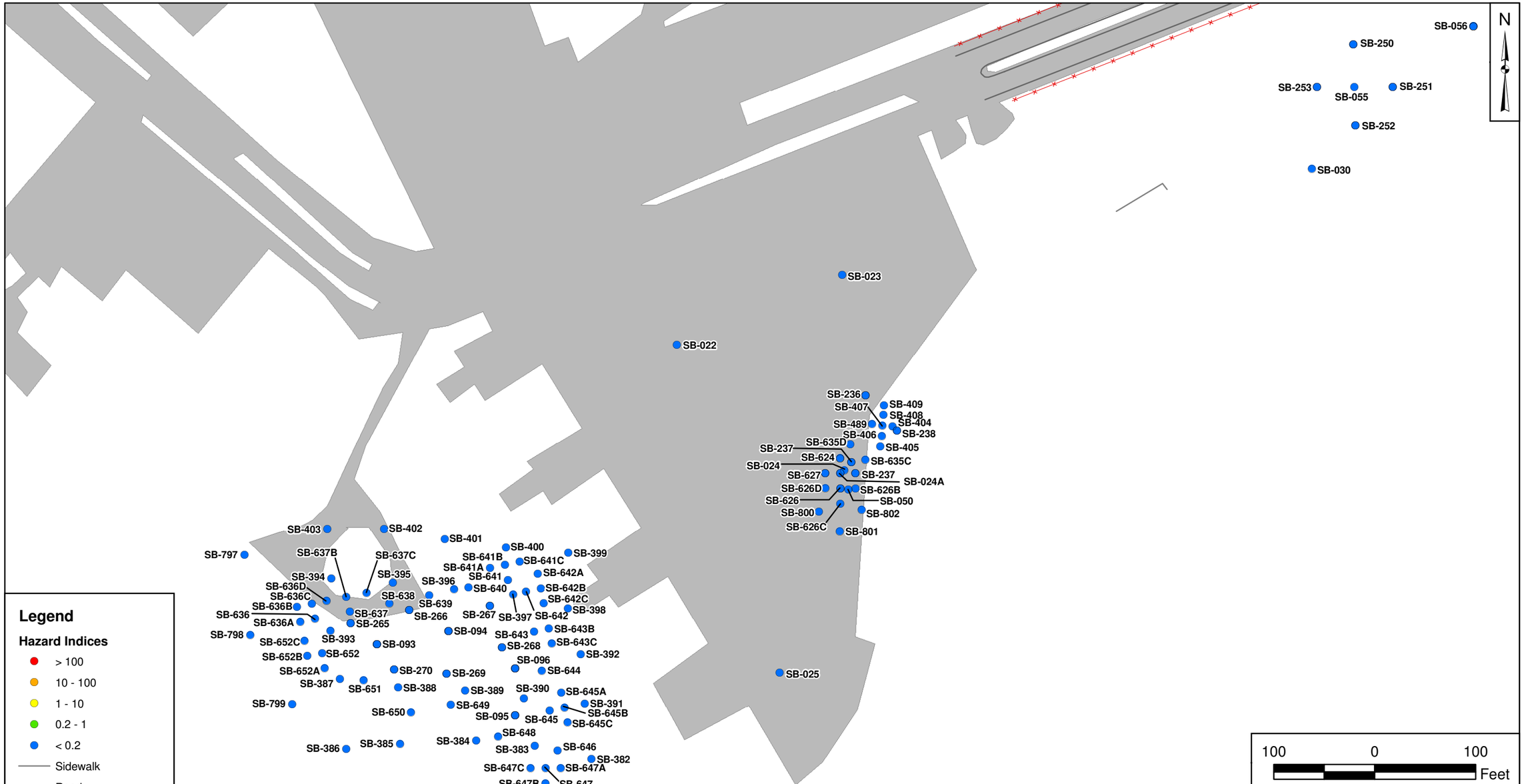
DRAWN BY T. WHEATON	DATE 01/10/11
CHECKED BY L. SINAGOGA	DATE 03/22/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR INDUSTRIAL USE
BLOCK F - SURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-3.1	REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SURFACE_INDUSTRIAL_HI.MXD 03/22/11 TW



Legend

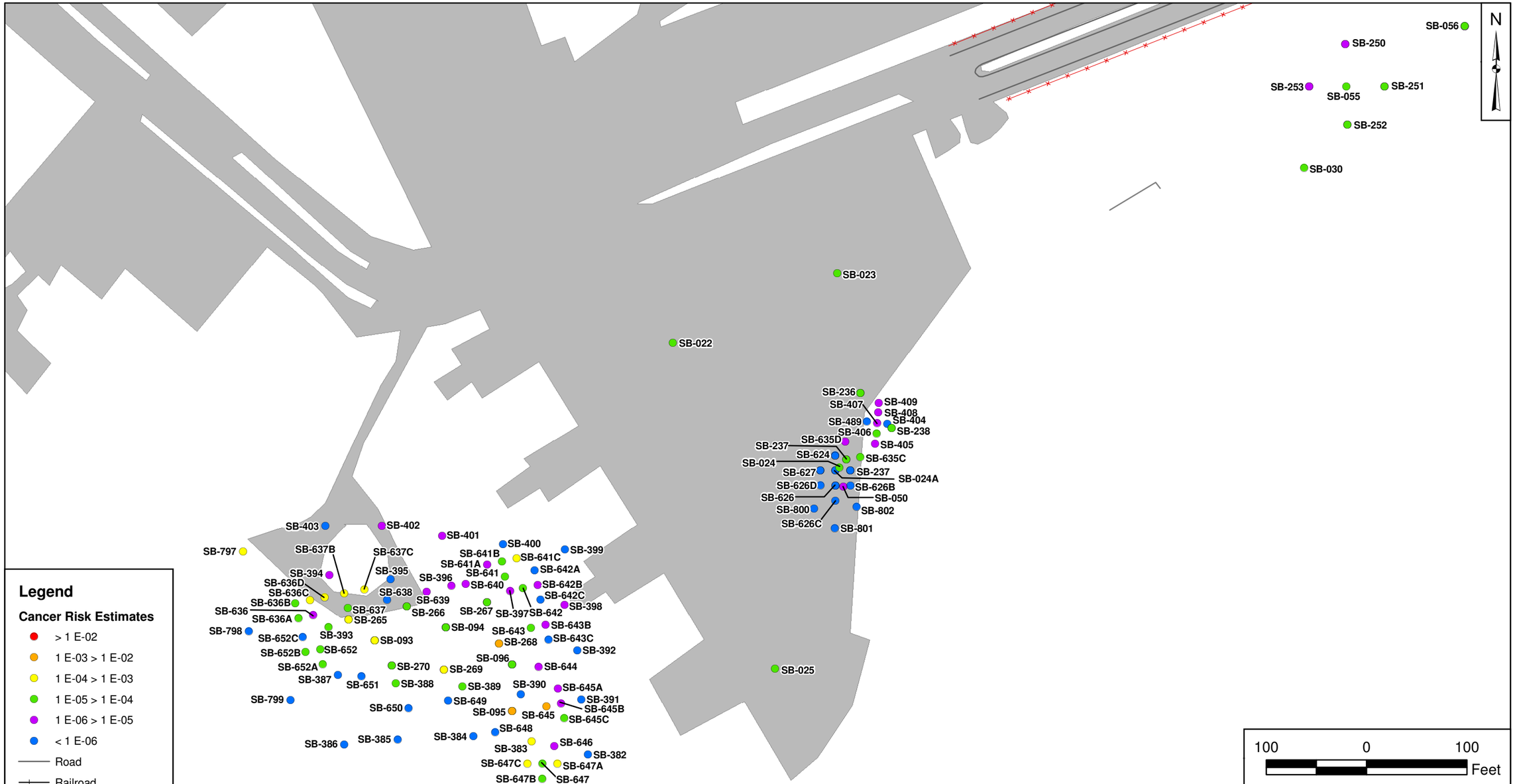
Hazard Indices

- > 100
- 10 - 100
- 1 - 10
- 0.2 - 1
- < 0.2
- Sidewalk
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK F - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-3.2 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SURFACE_RESIDENTIAL_CR.MXD 03/22/11 TW



Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

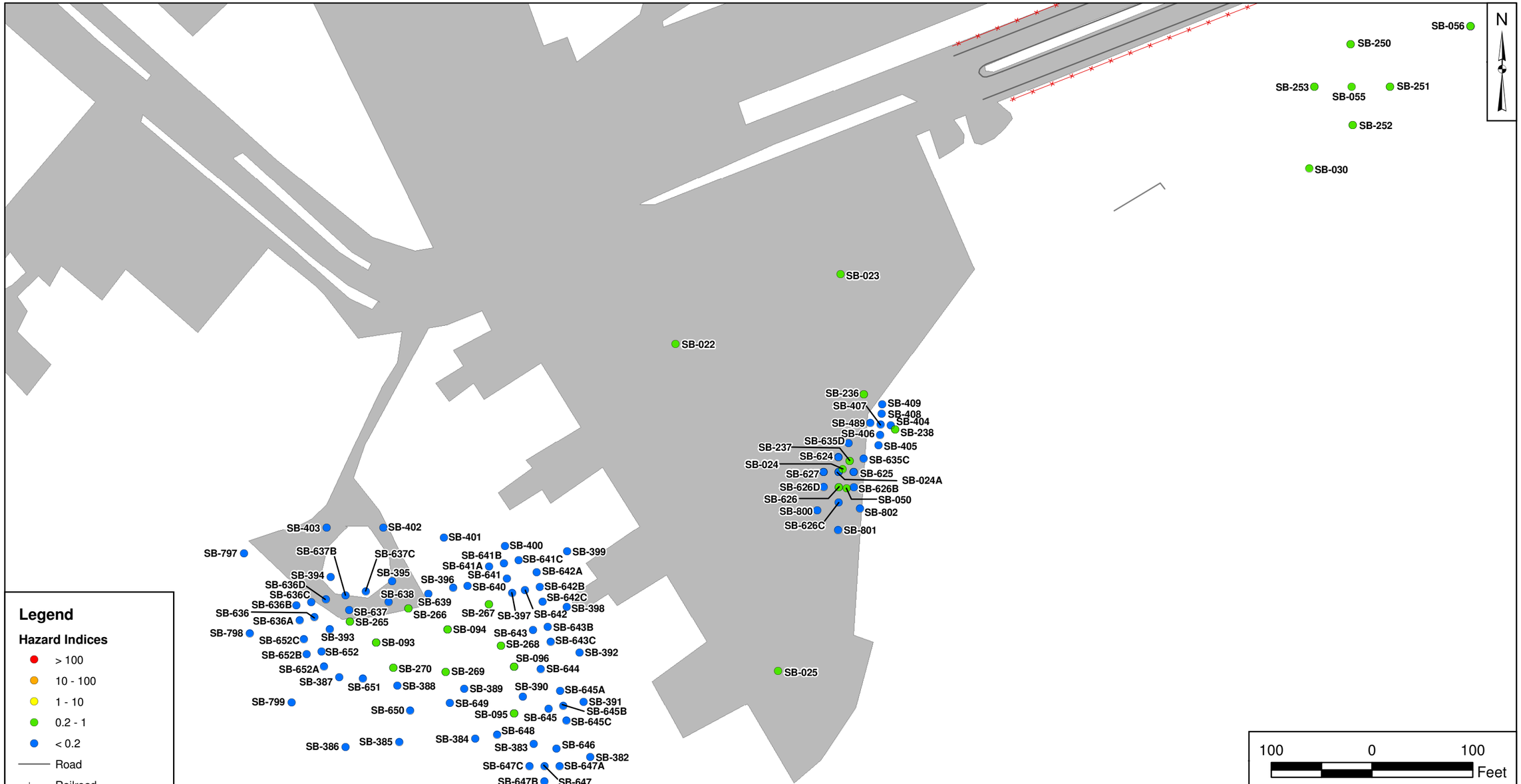
DRAWN BY T. WHEATON	DATE 01/10/11
CHECKED BY L. SINAGOGA	DATE 03/22/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR RESIDENTIAL USE
BLOCK F - SURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-3.3	REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SURFACE_RESIDENTIAL_HI.MXD 03/22/11 TW



Legend

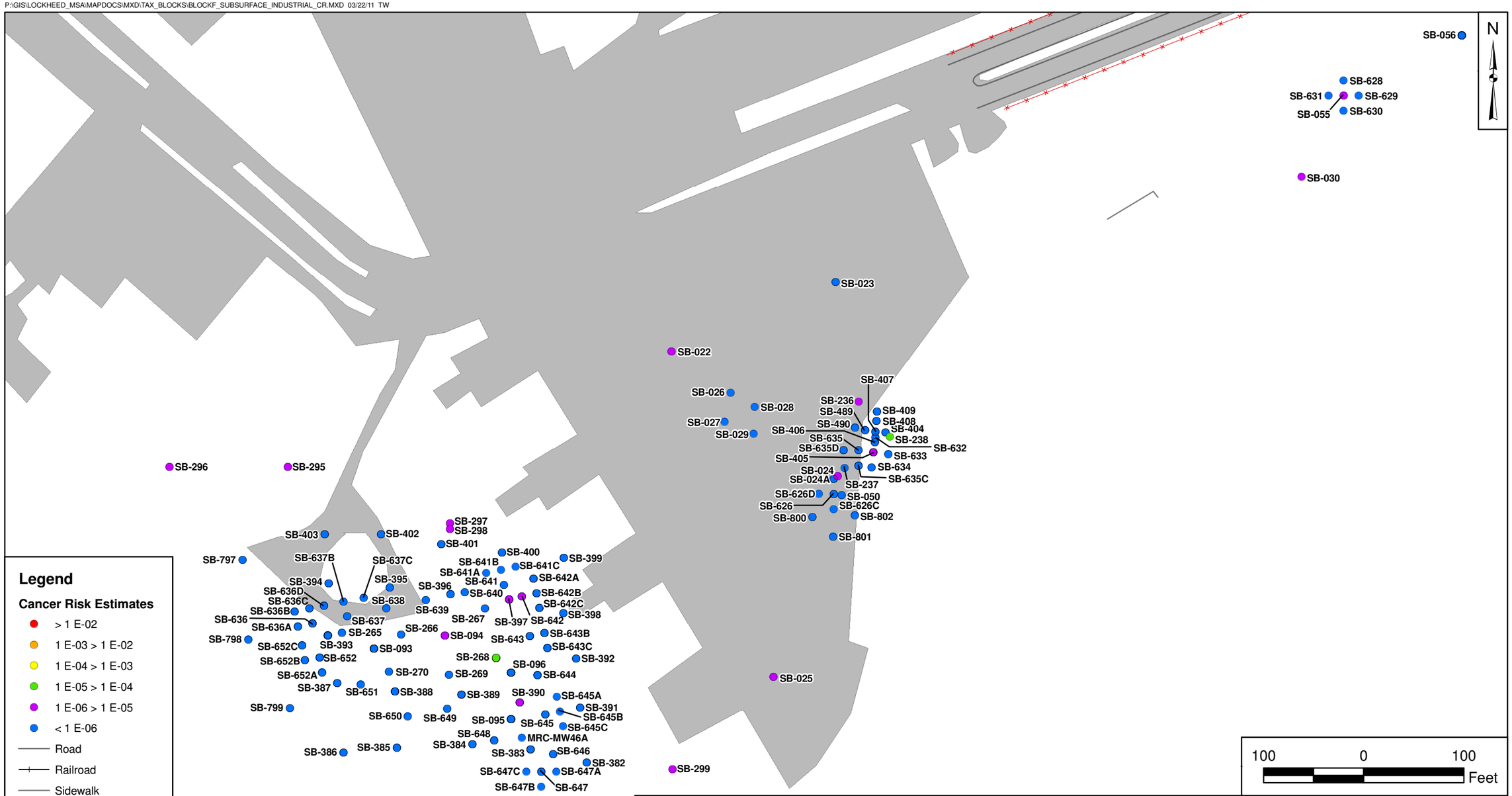
Hazard Indices

- > 100
- 10 - 100
- 1 - 10
- 0.2 - 1
- < 0.2
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK F - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-3.4 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SUBSURFACE_INDUSTRIAL_CR.MXD 03/22/11 TW



Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Water
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

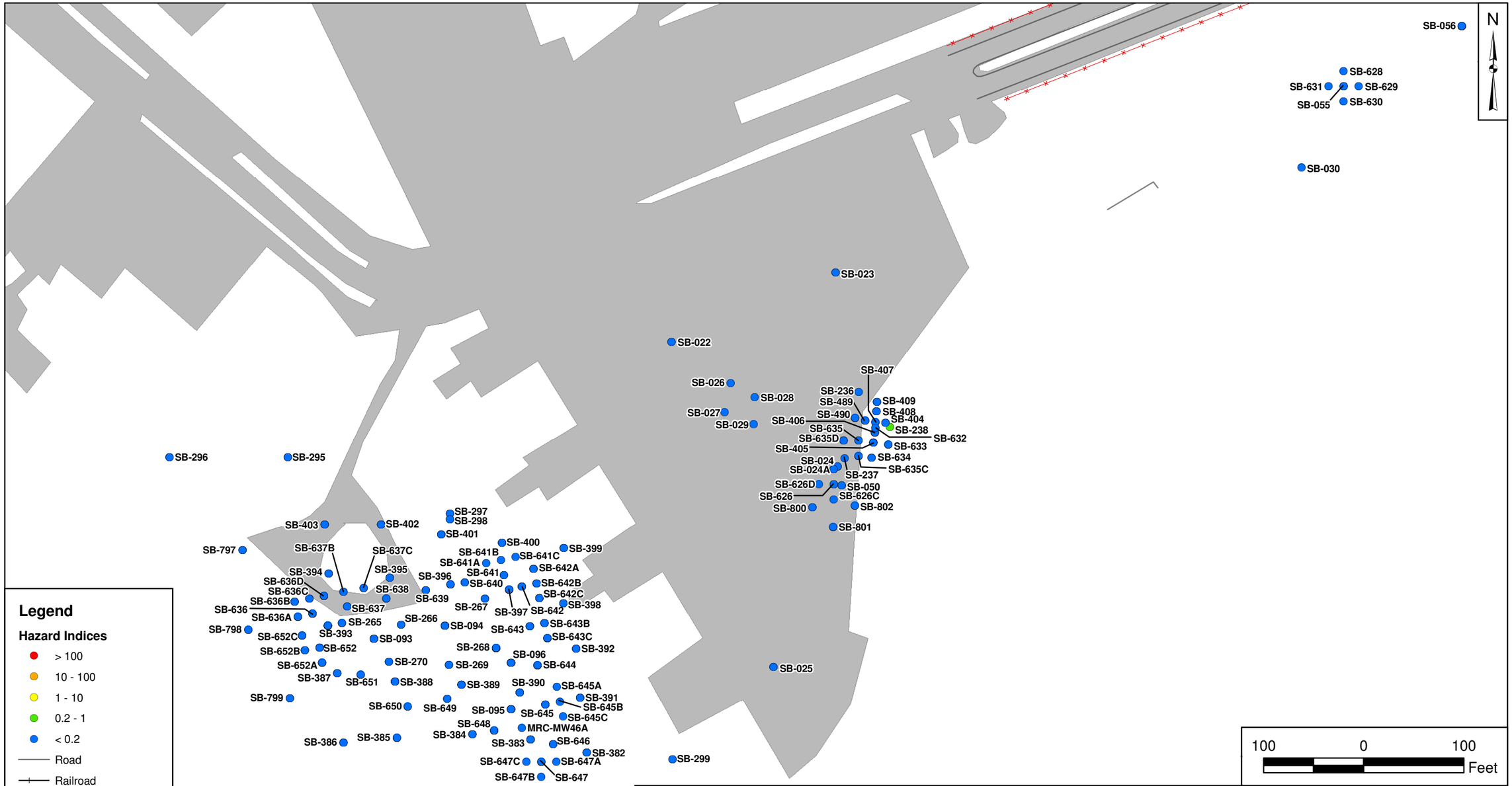
DRAWN BY T. WHEATON	DATE 01/07/11
CHECKED BY L. SINAGOGA	DATE 03/22/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR INDUSTRIAL USE
BLOCK F - SUBSURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-3.5	REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SUBSURFACE_INDUSTRIAL_HI.MXD 03/22/11 TW



Legend

Hazard Indices

- > 100
- 10 - 100
- 1 - 10
- 0.2 - 1
- < 0.2
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

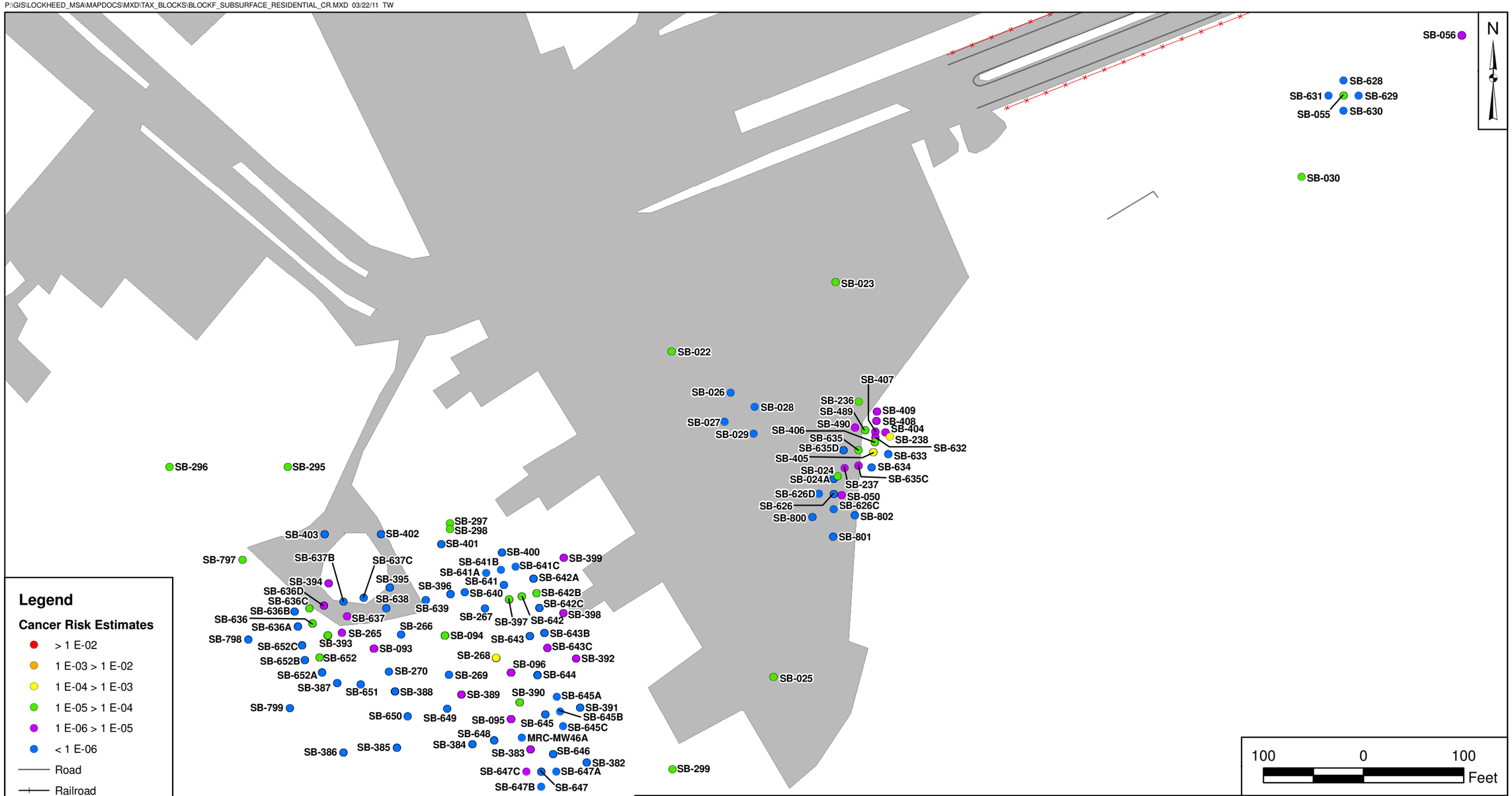
DRAWN BY T. WHEATON	DATE 01/07/11
CHECKED BY L. SINAGOGA	DATE 03/22/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE
BLOCK F - SUBSURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-3.6	REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SUBSURFACE_RESIDENTIAL_CR.MXD 03/22/11 TW



Legend

Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

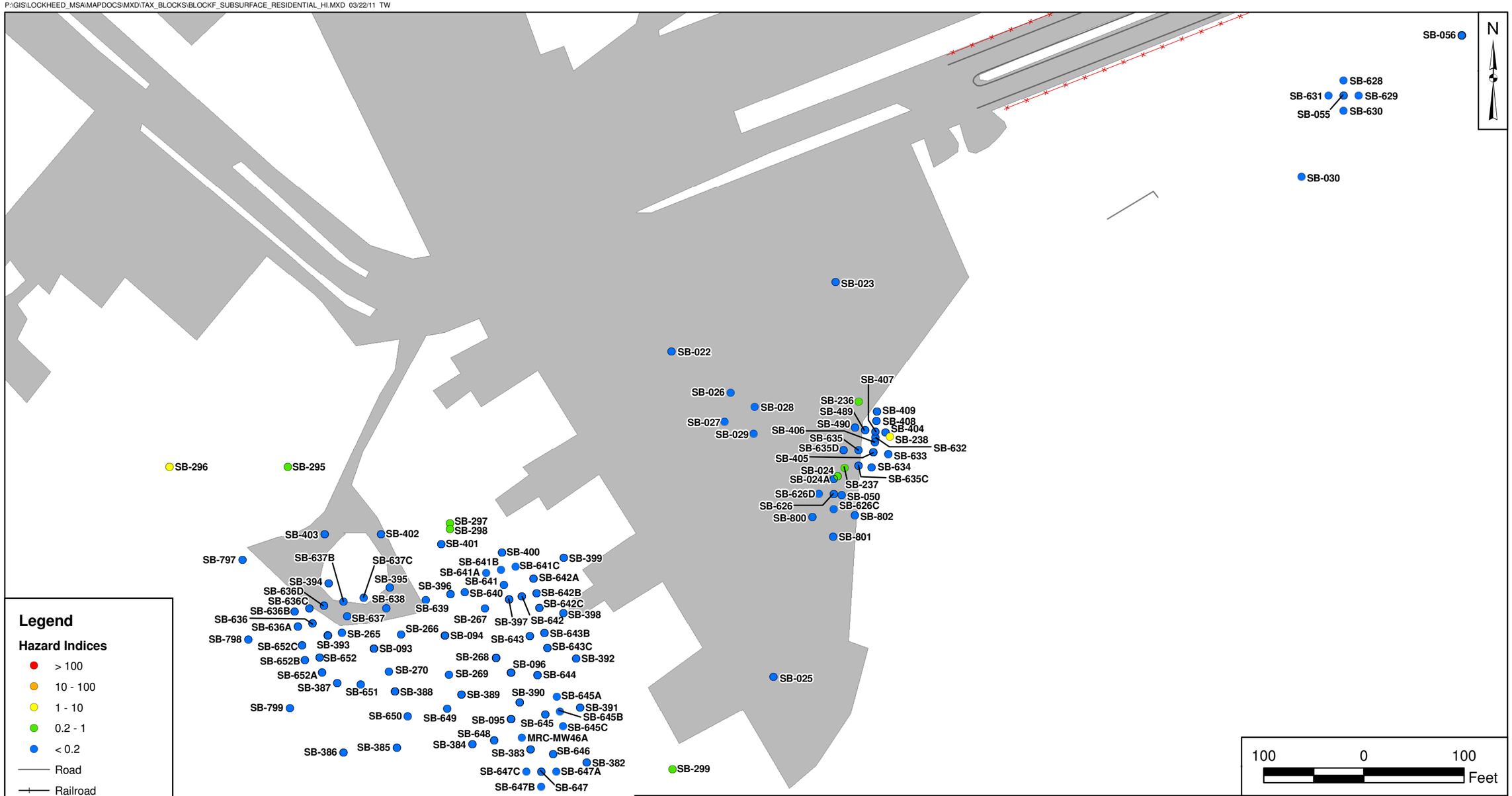
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CHECKED BY L. SINAGOGA	DATE 03/22/11
COST/SCHEDULE-AREA	
SCALE AS NOTED	

TETRA TECH

CANCER RISK ESTIMATES FOR RESIDENTIAL USE
BLOCK F - SUBSURFACE SOIL
LOCKHEED MARTIN
MARTIN STATE AIRPORT
MIDDLE RIVER, MARYLAND

CONTRACT NUMBER —	OWNER NUMBER —
APPROVED BY —	DATE —
APPROVED BY —	DATE —
FIGURE NO. FIGURE E-3.7	REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SUBSURFACE_RESIDENTIAL_HI.MXD 03/22/11 TW



Legend

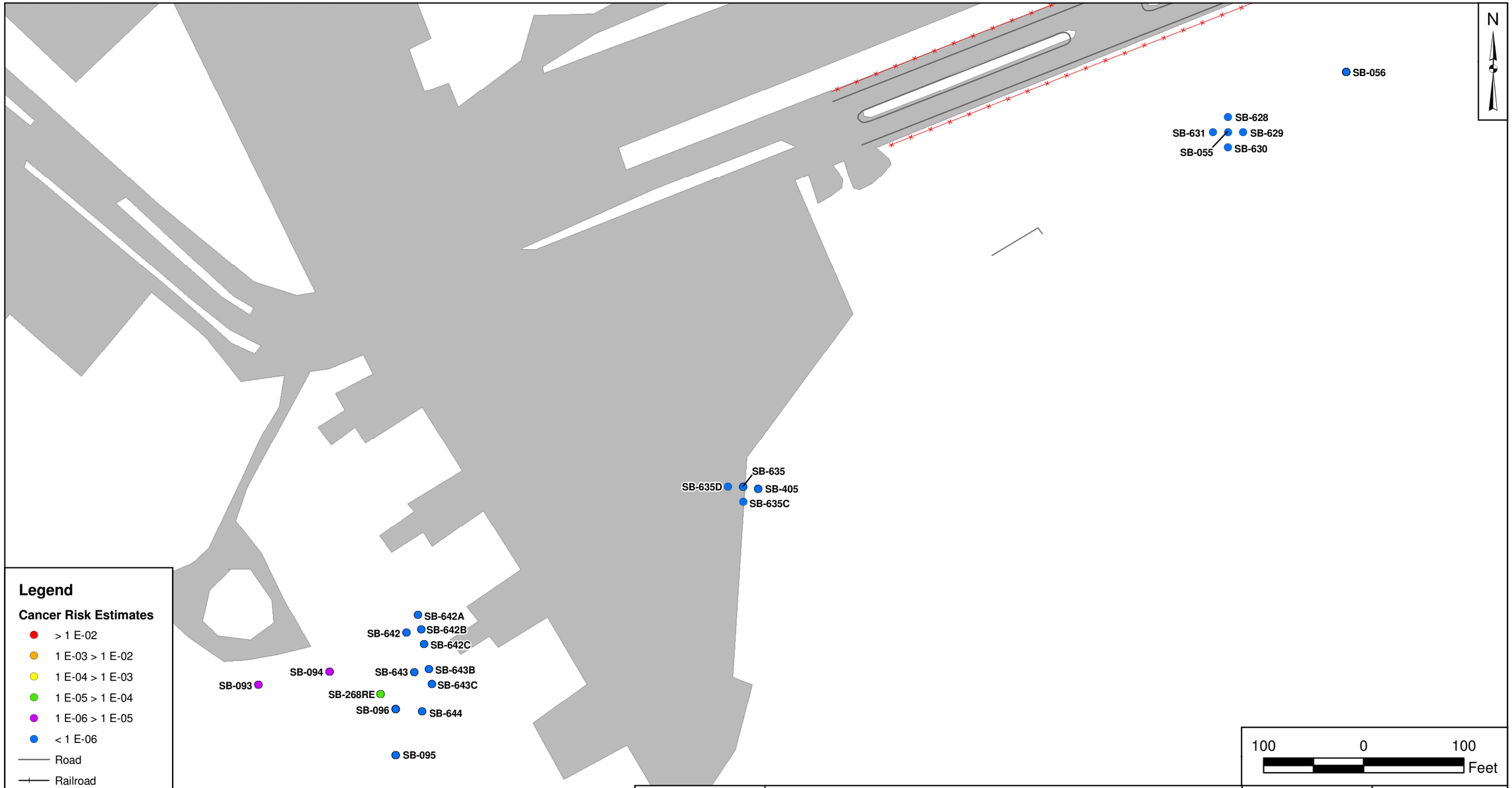
Hazard Indices

- > 100
- 10 - 100
- 1 - 10
- 0.2 - 1
- < 0.2
- Road
- Railroad
- Sidewalk
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

100 0 100 Feet

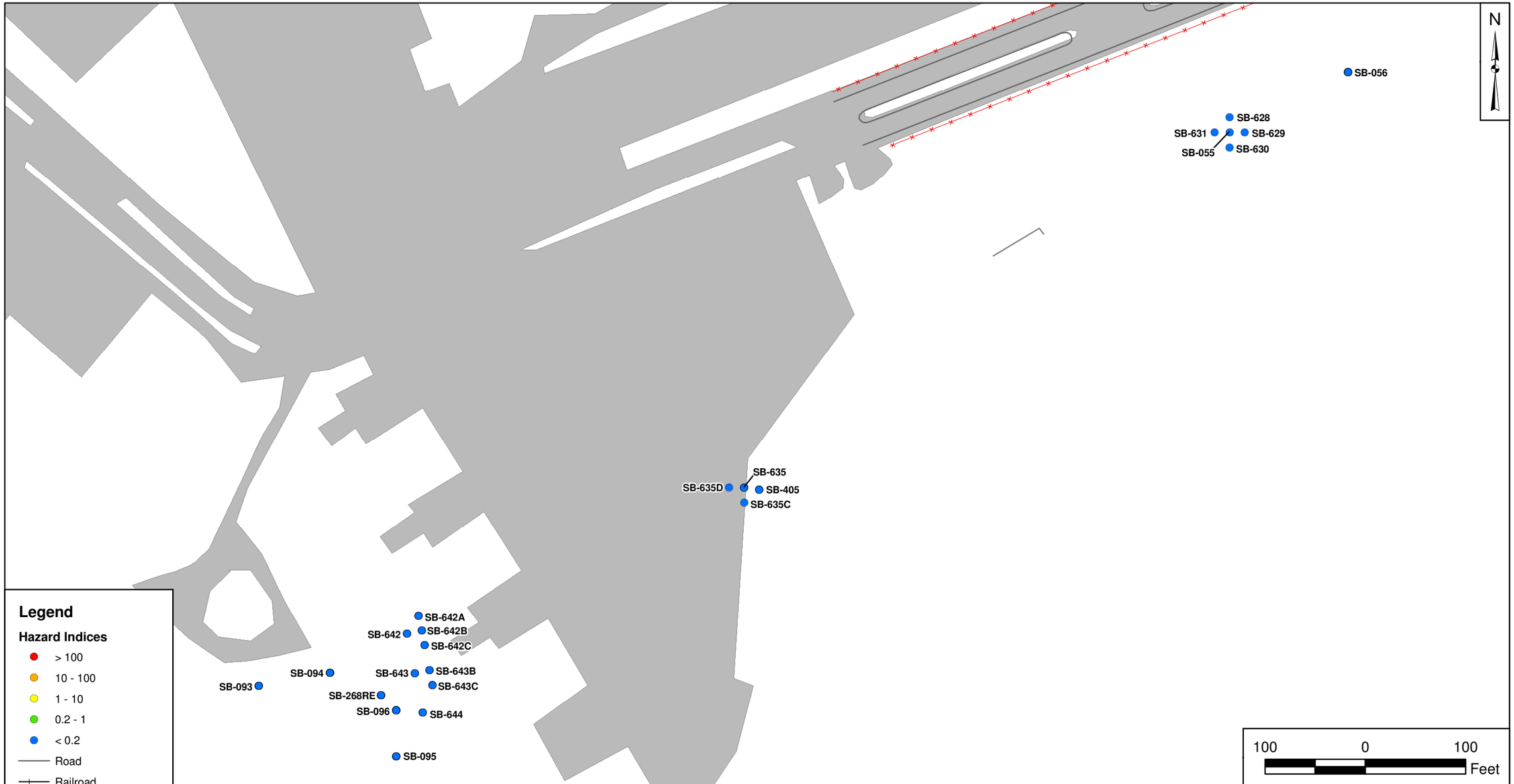
DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK F - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-3.8 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SATSOIL_INDUSTRIAL_CR.MXD 03/23/11 TW



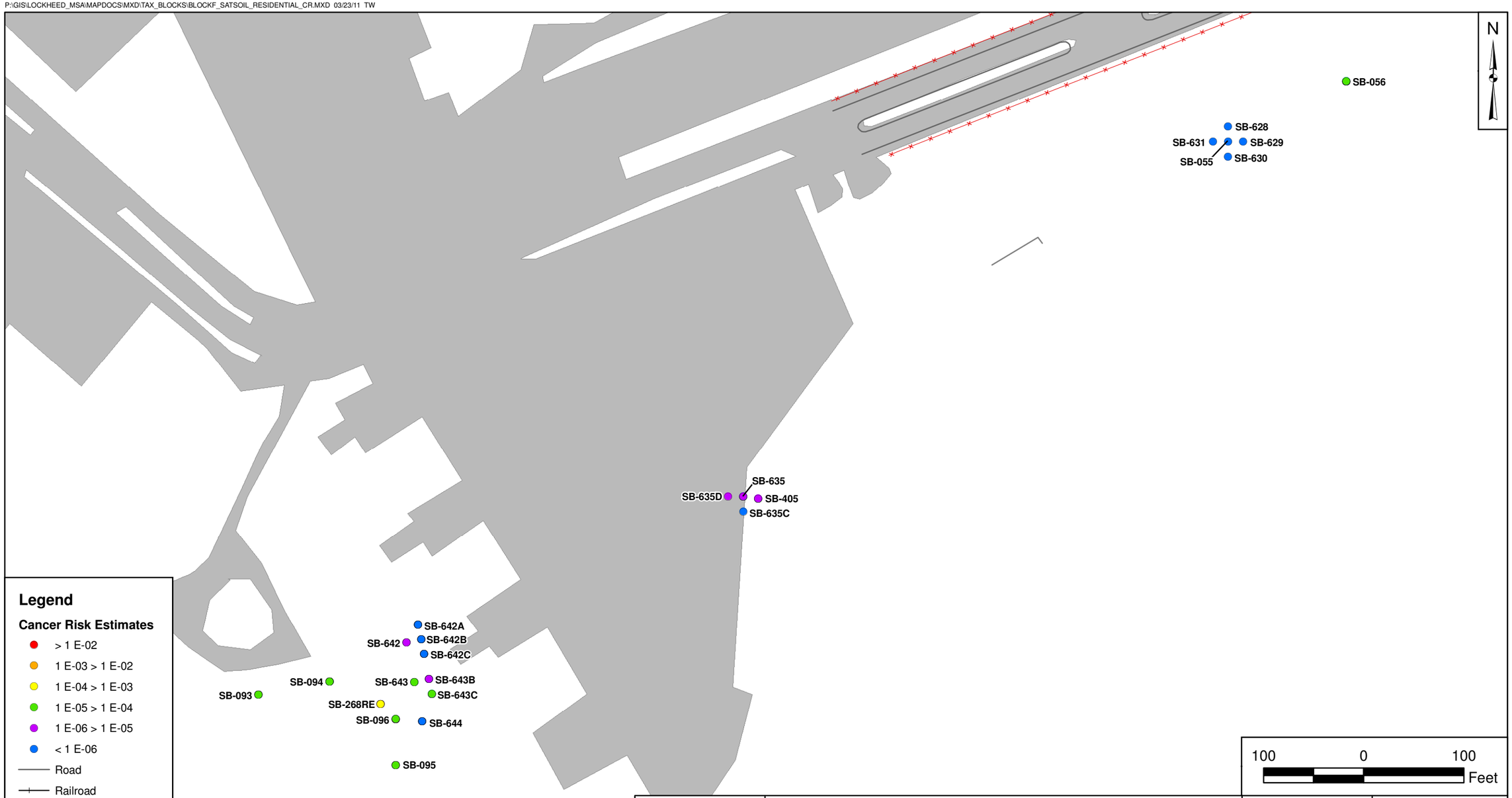
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COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-3.9 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SATSOIL_INDUSTRIAL_HI.MXD 03/23/11 TW



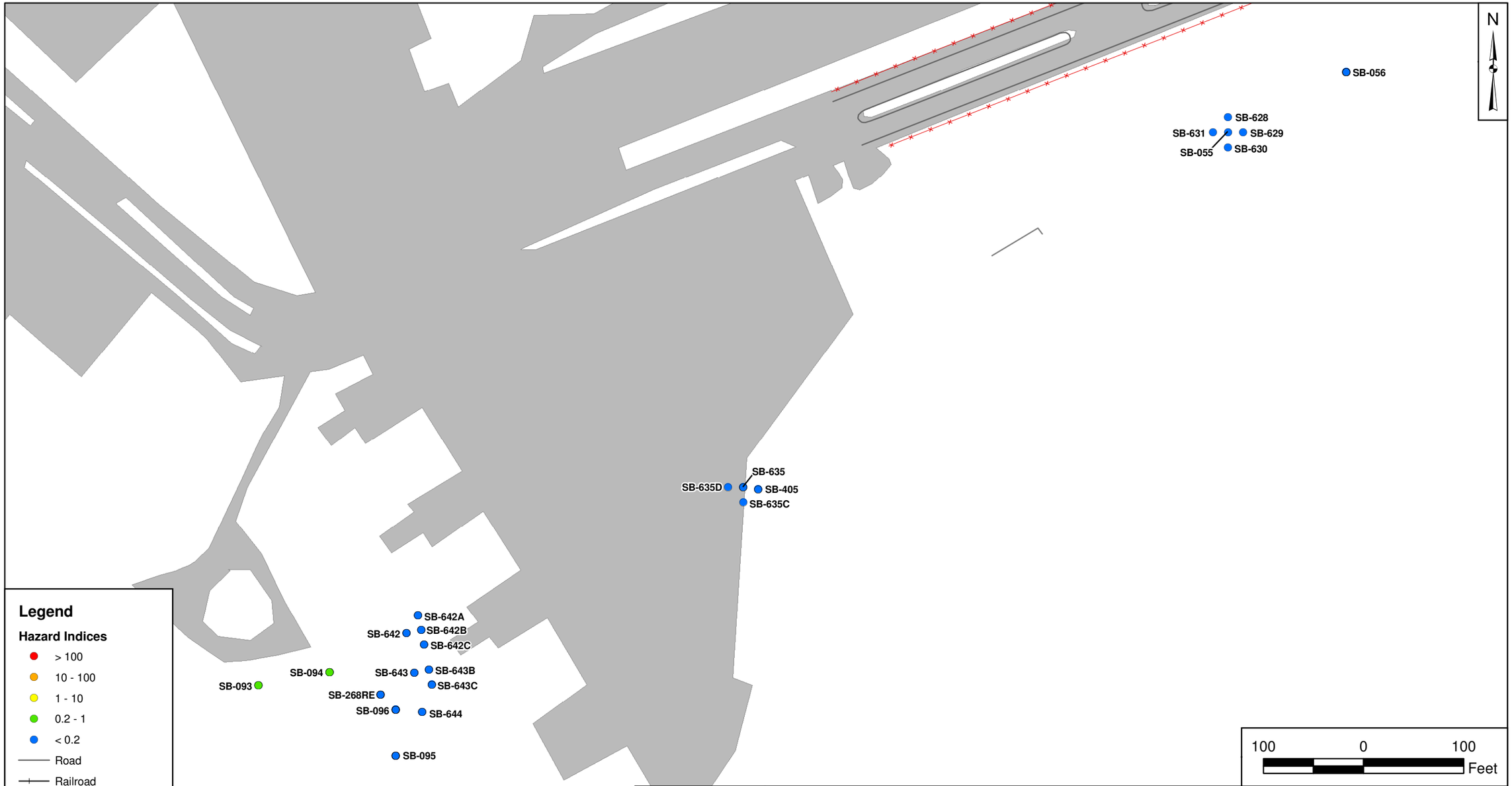
DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK F - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-3.10 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SATSOIL_RESIDENTIAL_CR.MXD 03/23/11 TW



DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK F - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-3.11 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKF_SATSOIL_RESIDENTIAL_HI.MXD 03/23/11 TW



DRAWN BY T. WHEATON	DATE 01/07/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK F - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-3.12 / REV 0

APPENDIX E.4

BLOCK E

TABLES

E-4.1 Cancer Risks for Individual Sample Locations – Surface Soil - Block G

E-4.2 Hazard Indices for Individual Sample Locations – Surface Soil - Block G

E-4.3 Cancer Risks for Individual Sample Locations – Subsurface Soil - Block G

E-4.4 Hazard Indices for Individual Sample Locations – Subsurface Soil - Block G

E-4.5 Cancer Risks for Individual Sample Locations – Saturated Soil - Block G

E-4.6 Hazard Indices for Individual Sample Locations – Saturated Soil - Block G

FIGURES

E-4.1 Cancer Risk Estimates for Industrial Use – Block G – Surface Soil

E-4.2 Hazard Indices Estimates for Industrial Use – Block G – Surface Soil

E-4.3 Cancer Risk Estimates for Residential Use – Block G – Surface Soil

E-4.4 Hazard Indices Estimates for Residential Use – Block G – Surface Soil

E-4.5 Cancer Risk Estimates for Industrial Use – Block G – Subsurface Soil

E-4.6 Hazard Indices Estimates for Industrial Use – Block G – Subsurface Soil

E-4.7 Cancer Risk Estimates for Residential Use – Block G – Subsurface Soil

E-4.8 Hazard Indices Estimates for Residential Use – Block G – Subsurface Soil

E-4.9 Cancer Risk Estimates for Industrial Use – Block G – Saturated Soil

E-4.10 Hazard Indices Estimates for Industrial Use – Block G – Saturated Soil

E-4.11 Cancer Risk Estimates for Residential Use – Block G – Saturated Soil

E-4.12 Hazard Indices Estimates for Residential Use – Block G – Saturated Soil

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-194	SB-194	SB-198	SB-198	SB-254	SB-254	SB-255	SB-255	SB-257RE	SB-257RE	SB-653
SAMPLE ID	G-SB-194RE-1	G-SB-194RE-2	G-SB-198RE-1	G-SB-198RE-2	G-SB-254RE-1	G-SB-254RE-2	G-SB-255RE-1	G-SB-255RE-2	G-SB-257RE-1	G-SB-257RE-2	G-SB-653-1
SAMPLE DATE	20090930	20090930	20090929	20090929	20090930	20090930	20091001	20091001	20091002	20091002	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	1	2	1	2	1	2	1	2	1
BOTTOM DEPTH	1	2	1	2	1	2	1	2	1	2	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	4.1E-06	1.5E-08	5.6E-07	7.9E-07	1.1E-07	1.4E-07	2.5E-06	2.6E-07	1.1E-07	2.6E-09	5.0E-07
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.1E-06	1.5E-08	5.6E-07	7.9E-07	1.1E-07	1.4E-07	2.5E-06	2.6E-07	1.1E-07	2.6E-09	5.0E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	9.0E-05	3.2E-07	1.2E-05	1.7E-05	2.3E-06	3.1E-06	5.4E-05	5.6E-06	2.4E-06	5.6E-08	1.1E-05
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	9.0E-05	3.2E-07	1.2E-05	1.7E-05	2.3E-06	3.1E-06	5.4E-05	5.6E-06	2.4E-06	5.6E-08	1.1E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-653	SB-653A	SB-653B	SB-653D	SB-654	SB-654	SB-654B	SB-654C	SB-655	SB-655	SB-656	SB-656
SAMPLE ID	G-SB-653-2	G-SB-653A-1	G-SB-653B-1	G-SB-653D-1	G-SB-654-1	G-SB-654-2	G-SB-654B-1	G-SB-654C-1	G-SB-655-1	G-SB-655-2	G-SB-656-1	G-SB-656-2
SAMPLE DATE	20090930	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	1	1	1	2	1	1	1	2	1	2
BOTTOM DEPTH	2	1	1	1	1	2	1	1	1	2	1	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.4E-06	1.3E-06	6.0E-07	1.6E-07	2.3E-07	1.4E-06	3.4E-07	1.8E-07	1.9E-07	4.1E-08	2.6E-07	7.8E-07
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.4E-06	1.3E-06	6.0E-07	1.6E-07	2.3E-07	1.4E-06	3.4E-07	1.8E-07	1.9E-07	4.1E-08	2.6E-07	7.8E-07
RESIDENTIAL												
BAP EQUIVALENT-HALFND	3.0E-05	2.8E-05	1.3E-05	3.5E-06	4.9E-06	3.0E-05	7.4E-06	3.9E-06	4.1E-06	9.0E-07	5.7E-06	1.7E-05
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.0E-05	2.8E-05	1.3E-05	3.5E-06	4.9E-06	3.0E-05	7.4E-06	3.9E-06	4.1E-06	9.0E-07	5.7E-06	1.7E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-656C	SB-656D	SB-657A	SB-657B	SB-657D	SB-658B	SB-658C	SB-659C	SB-659D	SB-662A	SB-662B
SAMPLE ID	G-SB-656C-2	G-SB-656D-2	G-SB-657A-1	G-SB-657B-1	G-SB-657D-1	G-SB-658B-1	G-SB-658C-1	G-SB-659C-1	G-SB-659D-1	G-SB-662A-1	G-SB-662B-1
SAMPLE DATE	20091029	20091029	20091028	20091028	20091028	20091028	20091028	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	1	1	1	1	1	1	1	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.4E-08	2.1E-07	6.6E-06	4.1E-06	1.1E-07	2.0E-07	2.5E-07	2.8E-07	8.0E-08	2.2E-06	5.6E-09
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.4E-08	2.1E-07	6.6E-06	4.1E-06	1.1E-07	2.0E-07	2.5E-07	2.8E-07	8.0E-08	2.2E-06	5.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	3.1E-07	4.4E-06	1.4E-04	8.9E-05	2.3E-06	4.4E-06	5.4E-06	6.1E-06	1.7E-06	4.7E-05	1.2E-07
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.1E-07	4.4E-06	1.4E-04	8.9E-05	2.3E-06	4.4E-06	5.4E-06	6.1E-06	1.7E-06	4.7E-05	1.2E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-662C	SB-669	SB-669	SB-670	SB-670	SB-671	SB-671	SB-671	SB-671	SB-671B	SB-671C
SAMPLE ID	G-SB-662C-1	G-SB-669-1	G-SB-669-2	G-SB-670-1	G-SB-670-2	G-SB-671-1	G-SB-671-2	G-SB-671-2-AVG	G-SB-671-2-D	G-SB-671B-1	G-SB-671C-1
SAMPLE DATE	20091029	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20091111	20091111
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	1	2	1	2	2	2	1	1
BOTTOM DEPTH	1	1	2	1	2	1	2	2	2	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.0E-07	1.5E-07	3.6E-07	1.9E-07	7.5E-08	1.5E-06	2.6E-09	2.6E-09	2.6E-09	7.9E-07	8.2E-08
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.0E-07	1.5E-07	3.6E-07	1.9E-07	7.5E-08	1.5E-06	2.6E-09	2.6E-09	2.6E-09	7.9E-07	8.2E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	4.4E-06	3.3E-06	7.9E-06	4.1E-06	1.6E-06	3.3E-05	5.6E-08	5.6E-08	5.6E-08	1.7E-05	1.8E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.4E-06	3.3E-06	7.9E-06	4.1E-06	1.6E-06	3.3E-05	5.6E-08	5.6E-08	5.6E-08	1.7E-05	1.8E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-671D	SB-672	SB-672	SB-677	SB-677	SB-677	SB-677	SB-677A	SB-677B	SB-677D	SB-678
SAMPLE ID	G-SB-671D-1	G-SB-672-1	G-SB-672-2	G-SB-677-1	G-SB-677-1-AVG	G-SB-677-1-D	G-SB-677-2	G-SB-677A-1	G-SB-677B-1	G-SB-677D-1	G-SB-678-1
SAMPLE DATE	20091111	20090929	20090929	20091001	20091001	20091001	20091001	20091030	20091030	20091030	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	1	1	1	2	1	1	1	1
BOTTOM DEPTH	1	1	2	1	1	1	2	1	1	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	7.8E-08	2.1E-07	2.0E-07	7.1E-05	5.0E-05	2.9E-05	6.9E-06	4.1E-06	2.7E-07	4.8E-08	7.2E-07
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.8E-08	2.1E-07	2.0E-07	7.1E-05	5.0E-05	2.9E-05	6.9E-06	4.1E-06	2.7E-07	4.8E-08	7.2E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.7E-06	4.5E-06	4.3E-06	1.5E-03	1.1E-03	6.3E-04	1.5E-04	9.0E-05	5.8E-06	1.0E-06	1.6E-05
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.7E-06	4.5E-06	4.3E-06	1.5E-03	1.1E-03	6.3E-04	1.5E-04	9.0E-05	5.8E-06	1.0E-06	1.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-678	SB-678B	SB-678C	SB-679	SB-679	SB-679C	SB-679D	SB-680	SB-680	SB-680D	SB-680D
SAMPLE ID	G-SB-678-2	G-SB-678B-1	G-SB-678C-1	G-SB-679-1	G-SB-679-2	G-SB-679C-1	G-SB-679D-1	G-SB-680-1	G-SB-680-2	G-SB-680D-1	G-SB-680D-1-AVG
SAMPLE DATE	20091001	20091111	20091030	20091001	20091001	20091030	20091030	20091001	20091001	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	1	1	1	2	1	1	1	2	1	1
BOTTOM DEPTH	2	1	1	1	2	1	1	1	2	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	8.6E-07	2.9E-05	1.1E-07	2.1E-06	3.9E-07	1.5E-06	5.2E-07	2.3E-06	1.6E-06	3.0E-07	5.8E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.6E-07	2.9E-05	1.1E-07	2.1E-06	3.9E-07	1.5E-06	5.2E-07	2.3E-06	1.6E-06	3.0E-07	5.8E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.9E-05	6.2E-04	2.5E-06	4.5E-05	8.5E-06	3.2E-05	1.1E-05	5.0E-05	3.4E-05	6.5E-06	1.3E-04
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.9E-05	6.2E-04	2.5E-06	4.5E-05	8.5E-06	3.2E-05	1.1E-05	5.0E-05	3.4E-05	6.5E-06	1.3E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-680D	SB-693A	SB-693B	SB-693D	SB-734	SB-735	SB-735A	SB-735B	SB-735C	SB-736	SB-736B
SAMPLE ID	G-SB-680D-1-D	G-SB-693A-2	G-SB-693B-2	G-SB-693D-2	G-SB-734-0-4	G-SB-735-1	G-SB-735A-1	G-SB-735B-1	G-SB-735C-1	G-SB-736-1	G-SB-736B-1
SAMPLE DATE	20091102	20091027	20091027	20091027	20090923	20091021	20091112	20091112	20091112	20091021	20091112
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	2	2	2		1	1	1	1	1	1
BOTTOM DEPTH	1	2	2	2	4	1	1	1	1	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.1E-05	7.8E-08	2.5E-07	2.5E-07	1.8E-06	1.6E-06	7.3E-06	2.2E-05	8.9E-07	2.0E-06	4.3E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-05	7.8E-08	2.5E-07	2.5E-07	1.8E-06	1.6E-06	7.3E-06	2.2E-05	8.9E-07	2.0E-06	4.3E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.4E-04	1.7E-06	5.4E-06	5.4E-06	4.0E-05	3.6E-05	1.6E-04	4.7E-04	1.9E-05	4.3E-05	9.4E-05
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.4E-04	1.7E-06	5.4E-06	5.4E-06	4.0E-05	3.6E-05	1.6E-04	4.7E-04	1.9E-05	4.3E-05	9.4E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-736C	SB-737	SB-738	SB-738	SB-738	SB-739	G-TP-1	G-TP-1	G-TP-2	G-TP-2	G-TP-2
SAMPLE ID	G-SB-736C-1	G-SB-737-1	G-SB-738-2	G-SB-738-2-AVG	G-SB-738-2-D	G-SB-739-2	G-TP-1-3-1-2	G-TP-1-4-1-2	G-TP-2-1-1-3	G-TP-2-2-1-3	G-TP-2-4-1-3
SAMPLE DATE	20091112	20091021	20091008	20091008	20091008	20091008	20100921	20100921	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	2	2	2	2	1	1	1	1	1
BOTTOM DEPTH	1	1	2	2	2	2	2	2	3	3	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	5.2E-06	4.3E-07	2.0E-08	1.8E-08	1.6E-08	9.4E-08	4.1E-05		7.3E-09		2.0E-07
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.2E-06	4.3E-07	2.0E-08	1.8E-08	1.6E-08	9.4E-08	4.1E-05		7.3E-09		2.0E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.1E-04	9.3E-06	4.3E-07	3.9E-07	3.4E-07	2.0E-06	8.8E-04		1.6E-07		4.4E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-04	9.3E-06	4.3E-07	3.9E-07	3.4E-07	2.0E-06	8.8E-04		1.6E-07		4.4E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	G-TP-2	G-TP-2	SB-091	SB-091	SB-091A	SB-091B	SB-091C	SB-092	SB-092	SB-092C	SB-092D
SAMPLE ID	G-TP-2-6-1-2	G-TP-2-7-1-2	G-SB-91RE-1	G-SB-91RE-2	G-SB-91REA-1	G-SB-91REB-1	G-SB-91REC-1	G-SB-92RE-1	G-SB-92RE-2	G-SB-92REC-1	G-SB-92RED-1
SAMPLE DATE	20100921	20100921	20090930	20090930	20091030	20091102	20091102	20090929	20090929	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	2	1	1	1	1	2	1	1
BOTTOM DEPTH	2	2	1	2	1	1	1	1	2	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	4.4E-06		4.6E-05	3.7E-07	2.1E-07	2.4E-09	7.9E-07	2.2E-07	2.5E-07	7.3E-08	7.5E-08
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC								2.0E-06	1.2E-06		
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.4E-06		4.6E-05	3.7E-07	2.1E-07	2.4E-09	7.9E-07	2.2E-06	1.5E-06	7.3E-08	7.5E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	9.6E-05		1.0E-03	8.0E-06	4.6E-06	5.3E-08	1.7E-05	4.9E-06	5.3E-06	1.6E-06	1.6E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC								1.5E-05	9.4E-06		
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	9.6E-05		1.0E-03	8.0E-06	4.6E-06	5.3E-08	1.7E-05	2.0E-05	1.5E-05	1.6E-06	1.6E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-092D	SB-092D	SB-183	SB-194	SB-195	SB-196	SB-197	SB-198	SB-199	SB-740	SB-741	SB-742
SAMPLE ID	G-SB-92RED-1-AVG	G-SB-92RED-1-D	SB-183-SS	SB-194-SS	SB-195-SS	SB-196-SS	SB-197-SS	SB-198-SS	SB-199-SS	G-SB-740-2	G-SB-741-2	G-SB-742-2
SAMPLE DATE	20091102	20091102	20041102	20050511	20050510	20050511	20050511	20050511	20050511	20091008	20091009	20091009
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SS	SS	SS	SS	SS	SB	SB	SB
TOP DEPTH	1	1								2	2	2
BOTTOM DEPTH	1	1		1	1	1	1	1	1	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.0E-07	1.2E-07		1.8E-06	3.9E-07	4.3E-06	4.0E-07	7.8E-07	6.4E-07	3.6E-09	8.1E-09	3.7E-08
AROCLOR-1254				1.8E-08	1.9E-08	1.7E-08	2.0E-08	1.2E-08	1.8E-08			
AROCLOR-1260				1.8E-08	1.9E-08	1.3E-08	2.0E-08	1.8E-08	1.8E-08			
ANTIMONY												
ARSENIC				3.7E-07	3.7E-07	1.8E-07	1.8E-06	3.7E-07	5.5E-07			
CADMIUM				2.3E-12	4.5E-12	4.5E-12	6.8E-12	4.5E-12	2.3E-12			
COBALT				1.6E-09	3.6E-09	7.3E-10	1.2E-08	1.3E-09	1.7E-09			
IRON												
LEAD												
MERCURY												
NICKEL				7.2E-11	7.2E-11	3.3E-11	1.2E-10	5.3E-11	3.9E-11			
VANADIUM												
HEXAVALENT CHROMIUM				3.1E-07	4.0E-07	3.1E-07	5.5E-07	3.6E-07	3.8E-07			
TOTAL CANCER RISK	1.0E-07	1.2E-07		2.5E-06	1.2E-06	4.8E-06	2.8E-06	1.5E-06	1.6E-06	3.6E-09	8.1E-09	3.7E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.2E-06	2.7E-06		3.9E-05	8.4E-06	9.3E-05	8.7E-06	1.7E-05	1.4E-05	7.9E-08	1.8E-07	7.9E-07
AROCLOR-1254				8.9E-08	9.4E-08	8.7E-08	9.9E-08	5.9E-08	9.2E-08			
AROCLOR-1260				8.9E-08	9.4E-08	6.4E-08	9.9E-08	8.9E-08	9.2E-08			
ANTIMONY												
ARSENIC				2.8E-06	2.8E-06	1.4E-06	1.4E-05	2.8E-06	4.3E-06			
CADMIUM				4.6E-12	9.2E-12	9.2E-12	1.4E-11	9.2E-12	4.6E-12			
COBALT				3.3E-09	7.2E-09	1.5E-09	2.3E-08	2.7E-09	3.5E-09			
IRON												
LEAD												
MERCURY												
NICKEL				1.5E-10	1.5E-10	6.6E-11	2.4E-10	1.1E-10	7.9E-11			
VANADIUM												
HEXAVALENT CHROMIUM				4.6E-06	6.1E-06	4.7E-06	8.2E-06	5.4E-06	5.7E-06			
TOTAL CANCER RISK	2.2E-06	2.7E-06		4.6E-05	1.8E-05	1.0E-04	3.1E-05	2.5E-05	2.4E-05	7.9E-08	1.8E-07	7.9E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-743	SB-744	SB-745	SB-745A	SB-745B	SB-745C	SB-746	SB-747	SB-747	SB-747	SB-748	SB-749
SAMPLE ID	G-SB-743-2	G-SB-744-2	G-SB-745-2	G-SB-745A-2	G-SB-745B-2	G-SB-745C-2	G-SB-746-2	G-SB-747-2	G-SB-747-2-AVG	G-SB-747-2-D	G-SB-748-2	G-SB-749-2
SAMPLE DATE	20091009	20091009	20091009	20091021	20091021	20091021	20091009	20091009	20091009	20091009	20091009	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2	2	2	2
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.0E-07	2.4E-07	9.6E-07	2.8E-09	2.6E-09	9.2E-06	4.9E-07	3.8E-09	1.8E-07	3.6E-07	3.8E-09	8.5E-09
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-07	2.4E-07	9.6E-07	2.8E-09	2.6E-09	9.2E-06	4.9E-07	3.8E-09	1.8E-07	3.6E-07	3.8E-09	8.5E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	4.4E-06	5.3E-06	2.1E-05	6.0E-08	5.6E-08	2.0E-04	1.1E-05	8.3E-08	4.0E-06	7.9E-06	8.3E-08	1.9E-07
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	4.4E-06	5.3E-06	2.1E-05	6.0E-08	5.6E-08	2.0E-04	1.1E-05	8.3E-08	4.0E-06	7.9E-06	8.3E-08	1.9E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-750	SB-751	SB-752	SB-753	SB-754	SB-755	SB-756	SB-757	SB-758	SB-759	SB-760	SB-761
SAMPLE ID	G-SB-750-2	G-SB-751-2	G-SB-752-2	G-SB-753-2	G-SB-754-2	G-SB-755-2	G-SB-756-2	G-SB-757-2	G-SB-758-2	G-SB-759-1	G-SB-760-1	G-SB-761-1
SAMPLE DATE	20091021	20091021	20091021	20091021	20091021	20091103	20091103	20091103	20091103	20091113	20091113	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	2	2	2	2	2	2	2	2	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	1	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	6.4E-08	5.9E-08	2.8E-09	2.1E-05	2.8E-09	1.1E-05	3.9E-07	4.3E-06	2.6E-06	3.8E-08
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	2.6E-09	6.4E-08	5.9E-08	2.8E-09	2.1E-05	2.8E-09	1.1E-05	3.9E-07	4.3E-06	2.6E-06	3.8E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	1.4E-06	1.3E-06	6.0E-08	4.5E-04	6.0E-08	2.4E-04	8.4E-06	9.4E-05	5.6E-05	8.3E-07
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MERCURY												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	5.6E-08	1.4E-06	1.3E-06	6.0E-08	4.5E-04	6.0E-08	2.4E-04	8.4E-06	9.4E-05	5.6E-05	8.3E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-761A	SB-761B	SB-761C	SB-761D	SB-762	SB-762A	SB-762B	SB-762C	SB-762D	SB-763	SB-763A
SAMPLE ID	G-SB-761A-1	G-SB-761B-1	G-SB-761C-1	G-SB-761D-1	G-SB-762-1	G-SB-762A-1	G-SB-762B-1	G-SB-762C-1	G-SB-762D-1	G-SB-763-1	G-SB-763A-1
SAMPLE DATE	20091022	20091022	20091022	20091022	20091001	20091022	20091023	20091022	20091022	20091001	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	7.4E-07	4.5E-07	1.3E-04	1.3E-04	2.8E-09	1.6E-06	2.6E-09	2.6E-07	2.3E-07	4.5E-08	2.6E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.4E-07	4.5E-07	1.3E-04	1.3E-04	2.8E-09	1.6E-06	2.6E-09	2.6E-07	2.3E-07	4.5E-08	2.6E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.6E-05	9.9E-06	2.8E-03	2.9E-03	6.0E-08	3.5E-05	5.6E-08	5.7E-06	5.0E-06	9.7E-07	5.6E-05
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.6E-05	9.9E-06	2.8E-03	2.9E-03	6.0E-08	3.5E-05	5.6E-08	5.7E-06	5.0E-06	9.7E-07	5.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-763B	SB-763C	SB-763D	SB-764	SB-764A	SB-764B	SB-764C	SB-764D	SB-765	SB-765A	SB-765B
SAMPLE ID	G-SB-763B-1	G-SB-763C-1	G-SB-763D-1	G-SB-764-1	G-SB-764A-1	G-SB-764B-1	G-SB-764C-1	G-SB-764D-1	G-SB-765-1	G-SB-765A-1	G-SB-765B-1
SAMPLE DATE	20091027	20091023	20091023	20091002	20091027	20091113	20091027	20091027	20091002	20091028	20091113
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.9E-07	6.9E-07	2.5E-07	9.2E-08	2.0E-06	7.3E-08	9.1E-05	1.3E-04	8.5E-09	2.1E-06	1.8E-07
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.9E-07	6.9E-07	2.5E-07	9.2E-08	2.0E-06	7.3E-08	9.1E-05	1.3E-04	8.5E-09	2.1E-06	1.8E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.3E-06	1.5E-05	5.3E-06	2.0E-06	4.4E-05	1.6E-06	2.0E-03	2.9E-03	1.8E-07	4.7E-05	4.0E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.3E-06	1.5E-05	5.3E-06	2.0E-06	4.4E-05	1.6E-06	2.0E-03	2.9E-03	1.8E-07	4.7E-05	4.0E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-765C	SB-765D	SB-803	SB-804	SB-805	SB-806	SB-807	SB-808	SB-809	SB-810	SB-811
SAMPLE ID	G-SB-765C-1	G-SB-765D-1	G-SB-803-SS	G-SB-804-SS	G-SB-805-SS	G-SB-806-SS	G-SB-807-SS	G-SB-808-SS	G-SB-809-SS	G-SB-810-SS	G-SB-811-SS
SAMPLE DATE	20091028	20091028	20100826	20100823	20100824	20100824	20100825	20100825	20100825	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	1									
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1	1	1
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.1E-06	1.3E-07	6.8E-09	6.8E-09	6.6E-09	2.0E-05	6.8E-08	1.2E-06	5.6E-08	7.6E-09	4.7E-08
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-06	1.3E-07	6.8E-09	6.8E-09	6.6E-09	2.0E-05	6.8E-08	1.2E-06	5.6E-08	7.6E-09	4.7E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.4E-05	2.8E-06	1.5E-07	1.5E-07	1.4E-07	4.3E-04	1.5E-06	2.6E-05	1.2E-06	1.7E-07	1.0E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.4E-05	2.8E-06	1.5E-07	1.5E-07	1.4E-07	4.3E-04	1.5E-06	2.6E-05	1.2E-06	1.7E-07	1.0E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-812	SB-813	SB-081	SB-082	SB-083	SB-084	SB-085	SB-086	SB-091	SB-092	SB-254	SB-254	SB-254
SAMPLE ID	G-SB-812-SS	G-SB-813-SS	SB-81-SS	SB-82-SS	SB-83-SS	SB-84-SS	SB-85-SS	SB-86-SS	SB-91-SS	SB-92-SS	SB-254-SS[12]	SB-254-SS[18]	SB-254-SS[6]
SAMPLE DATE	20100824	20100826	20041109	20041109	20041102	20041103	20041105	20041115	20040927	20040927	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SB	SB	SS
TOP DEPTH											1	1.5	0.5
BOTTOM DEPTH	1	1									1	1.5	0.5
INDUSTRIAL													
BAP EQUIVALENT-HALFND	1.3E-07	6.6E-09	1.3E-06	3.6E-06	6.9E-07	1.8E-05	1.7E-05	6.2E-06	1.3E-04	7.1E-05	2.3E-07	1.1E-07	6.0E-07
AROCLOR-1254			1.6E-07	1.5E-07	1.4E-07	1.4E-07	1.4E-07	1.5E-07	1.4E-07	1.3E-07			1.8E-08
AROCLOR-1260			1.6E-07	1.5E-07	1.4E-07	1.4E-07	1.4E-07	4.1E-07	7.8E-07	1.3E-07			1.1E-08
ANTIMONY													
ARSENIC			1.3E-06	7.3E-07	3.4E-07	9.9E-07	1.1E-06	1.2E-06	7.7E-07	1.4E-05			
CADMIUM			7.3E-11	5.9E-11	6.4E-11	5.7E-11	6.4E-10	2.6E-10	5.7E-11	6.1E-11			
COBALT													
IRON													
LEAD													
MERCURY													
NICKEL			7.9E-11	8.5E-11	9.2E-11	5.2E-11	8.5E-11	1.8E-09	1.4E-10	1.8E-09			
VANADIUM													
HEXAVALENT CHROMIUM			5.8E-07	5.8E-07	4.1E-07	5.2E-07	1.3E-06	8.3E-07	6.9E-07	9.4E-07			
TOTAL CANCER RISK	1.3E-07	6.6E-09	3.5E-06	5.3E-06	1.7E-06	2.0E-05	2.0E-05	8.7E-06	1.3E-04	8.6E-05	2.3E-07	1.1E-07	6.3E-07
RESIDENTIAL													
BAP EQUIVALENT-HALFND	2.8E-06	1.4E-07	2.8E-05	7.9E-05	1.5E-05	4.0E-04	3.7E-04	1.3E-04	2.9E-03	1.5E-03	5.0E-06	2.4E-06	1.3E-05
AROCLOR-1254			8.2E-07	7.7E-07	7.2E-07	6.9E-07	7.2E-07	7.4E-07	7.2E-07	6.4E-07			8.9E-08
AROCLOR-1260			8.2E-07	7.7E-07	7.2E-07	6.9E-07	7.2E-07	2.0E-06	3.9E-06	6.4E-07			5.4E-08
ANTIMONY													
ARSENIC			1.0E-05	5.7E-06	2.6E-06	7.7E-06	8.5E-06	9.1E-06	6.0E-06	1.1E-04			
CADMIUM			1.5E-10	1.2E-10	1.3E-10	1.1E-10	1.3E-09	5.2E-10	1.1E-10	1.2E-10			
COBALT													
IRON													
LEAD													
MERCURY													
NICKEL			1.6E-10	1.7E-10	1.9E-10	1.0E-10	1.7E-10	3.7E-09	2.8E-10	3.6E-09			
VANADIUM													
HEXAVALENT CHROMIUM			8.7E-06	8.7E-06	6.2E-06	7.8E-06	2.0E-05	1.2E-05	1.0E-05	1.4E-05			
TOTAL CANCER RISK	2.8E-06	1.4E-07	4.9E-05	9.5E-05	2.5E-05	4.1E-04	4.0E-04	1.6E-04	2.9E-03	1.7E-03	5.0E-06	2.4E-06	1.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-255	SB-255	SB-255	SB-256	SB-256	SB-256	SB-257	SB-257	SB-257	SB-258
SAMPLE ID	SB-255-SS[12]	SB-255-SS[18]	SB-255-SS[6]	SB-256-SS[12]	SB-256-SS[18]	SB-256-SS[6]	SB-257-SS[12]	SB-257-SS[18]	SB-257-SS[6]	SB-258-SS[12]
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SB	SB	SS	SB	SB	SS	SB
TOP DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1
BOTTOM DEPTH	1	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1
INDUSTRIAL										
BAP EQUIVALENT-HALFND	3.1E-07	1.3E-07	4.6E-06	1.3E-07	1.3E-07	3.3E-07			4.1E-07	1.4E-07
AROCLOR-1254			1.7E-08			1.8E-08			1.8E-08	
AROCLOR-1260			8.2E-09			1.8E-08			1.8E-08	
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MERCURY										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.1E-07	1.3E-07	4.7E-06	1.3E-07	1.3E-07	3.7E-07			4.4E-07	1.4E-07
RESIDENTIAL										
BAP EQUIVALENT-HALFND	6.8E-06	2.8E-06	1.0E-04	2.9E-06	2.9E-06	7.1E-06			8.8E-06	3.1E-06
AROCLOR-1254			8.4E-08			9.2E-08			9.2E-08	
AROCLOR-1260			4.1E-08			9.2E-08			8.9E-08	
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MERCURY										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	6.8E-06	2.8E-06	1.0E-04	2.9E-06	2.9E-06	7.3E-06			9.0E-06	3.1E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-258	SB-258	SB-259	SB-259	SB-259	SB-260	SB-260	SB-260	SB-261	SB-261
SAMPLE ID	SB-258-SS[18]	SB-258-SS[6]	SB-259-SS[12]	SB-259-SS[18]	SB-259-SS[6]	SB-260-SS[12]	SB-260-SS[18]	SB-260-SS[6]	SB-261-SS[12]	SB-261-SS[18]
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20050510
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SB	SS	SB	SB	SS	SB	SB
TOP DEPTH	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
BOTTOM DEPTH	1.5	0.5	1	1.5	0.5	1	1.5	0.5	1	1.5
INDUSTRIAL										
BAP EQUIVALENT-HALFND	1.4E-07	3.7E-06	1.0E-06	1.2E-06	1.6E-06	8.4E-07	2.6E-05	9.8E-06	5.0E-07	7.8E-06
AROCLOR-1254		1.9E-08			1.9E-08			1.8E-08		
AROCLOR-1260		1.2E-06			1.0E-07			3.8E-07		
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MERCURY										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.4E-07	4.9E-06	1.0E-06	1.2E-06	1.7E-06	8.4E-07	2.6E-05	1.0E-05	5.0E-07	7.8E-06
RESIDENTIAL										
BAP EQUIVALENT-HALFND	3.1E-06	8.1E-05	2.2E-05	2.6E-05	3.5E-05	1.8E-05	5.6E-04	2.1E-04	1.1E-05	1.7E-04
AROCLOR-1254		9.7E-08			9.4E-08			9.2E-08		
AROCLOR-1260		5.9E-06			5.0E-07			1.9E-06		
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MERCURY										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.1E-06	8.7E-05	2.2E-05	2.6E-05	3.5E-05	1.8E-05	5.6E-04	2.1E-04	1.1E-05	1.7E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-261	SB-410	SB-411	SB-412	SB-413	SB-414	SB-415	SB-416	SB-417	SB-418	SB-419
SAMPLE ID	SB-261-SS[6]	SB-410-0102	SB-411-0102	SB-412-0102	SB-413-0102	SB-414-0102	SB-415-0102	SB-416-0102	SB-417-0102	SB-418-0102	SB-419-0102
SAMPLE DATE	20050510	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	0.5	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	0.5	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND	4.6E-07	4.2E-08	2.8E-09	5.5E-07	4.9E-07	2.4E-09	1.0E-05	7.3E-07	3.8E-08	4.5E-08	1.5E-07
AROCLOR-1254	1.9E-08										
AROCLOR-1260	1.9E-08										
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.0E-07	4.2E-08	2.8E-09	5.5E-07	4.9E-07	2.4E-09	1.0E-05	7.3E-07	3.8E-08	4.5E-08	1.5E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.0E-05	9.0E-07	6.0E-08	1.2E-05	1.1E-05	5.3E-08	2.3E-04	1.6E-05	8.3E-07	9.8E-07	3.2E-06
AROCLOR-1254	9.4E-08										
AROCLOR-1260	9.4E-08										
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.0E-05	9.0E-07	6.0E-08	1.2E-05	1.1E-05	5.3E-08	2.3E-04	1.6E-05	8.3E-07	9.8E-07	3.2E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-420	SB-421	SB-422	SB-423	SB-424	SB-425	SB-426	SB-427	SB-428	SB-429	SB-430
SAMPLE ID	SB-420-0102	SB-421-0102	SB-422-0102	SB-423-0102	SB-424-0102	SB-425-0102	SB-426-0102	SB-427-0102	SB-428-0102	SB-429-0102	SB-430-0102
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND	7.3E-08	2.8E-09	2.6E-09	3.4E-08	3.4E-06	2.6E-07	2.8E-07	1.2E-06	2.2E-07	4.2E-08	6.9E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.3E-08	2.8E-09	2.6E-09	3.4E-08	3.4E-06	2.6E-07	2.8E-07	1.2E-06	2.2E-07	4.2E-08	6.9E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.6E-06	6.0E-08	5.6E-08	7.4E-07	7.4E-05	5.6E-06	6.0E-06	2.6E-05	4.8E-06	9.0E-07	1.5E-04
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.6E-06	6.0E-08	5.6E-08	7.4E-07	7.4E-05	5.6E-06	6.0E-06	2.6E-05	4.8E-06	9.0E-07	1.5E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-431	SB-432	SB-433	SB-434	SB-435	SB-436	SB-437	SB-438	SB-439	SB-440	SB-441
SAMPLE ID	SB-431-0102	SB-432-0102	SB-433-0102	SB-434-0102	SB-435-0102	SB-436-0102	SB-437-0102	SB-438-0102	SB-439-0102	SB-440-0102	SB-441-0102
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.4E-06	2.4E-09	1.6E-07	2.6E-09	6.6E-08	1.6E-07	8.0E-07	2.4E-09	5.2E-08	2.6E-09	4.2E-07
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.4E-06	2.4E-09	1.6E-07	2.6E-09	6.6E-08	1.6E-07	8.0E-07	2.4E-09	5.2E-08	2.6E-09	4.2E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.9E-05	5.3E-08	3.4E-06	5.6E-08	1.4E-06	3.5E-06	1.7E-05	5.3E-08	1.1E-06	5.6E-08	9.0E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.9E-05	5.3E-08	3.4E-06	5.6E-08	1.4E-06	3.5E-06	1.7E-05	5.3E-08	1.1E-06	5.6E-08	9.0E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-442	SB-443	SB-444	SB-445	SB-446	SB-447	SB-448	SB-449	SB-450	SB-451	SB-452
SAMPLE ID	SB-442-0102	SB-443-0102	SB-444-0102	SB-445-0102	SB-446-0102	SB-447-0102	SB-448-0102	SB-449-0102	SB-450-0102	SB-451-0102	SB-452-0102
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND	5.2E-08	1.8E-07	3.0E-08	5.9E-08	3.8E-07	2.6E-09	7.6E-08	2.4E-09	4.2E-08	2.6E-09	4.2E-07
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.2E-08	1.8E-07	3.0E-08	5.9E-08	3.8E-07	2.6E-09	7.6E-08	2.4E-09	4.2E-08	2.6E-09	4.2E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.1E-06	4.0E-06	6.5E-07	1.3E-06	8.3E-06	5.6E-08	1.7E-06	5.3E-08	9.0E-07	5.6E-08	9.0E-06
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-06	4.0E-06	6.5E-07	1.3E-06	8.3E-06	5.6E-08	1.7E-06	5.3E-08	9.0E-07	5.6E-08	9.0E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-453	SB-454	SB-455	SB-456	SB-457	SB-457	SB-458	SB-458	SB-459	SB-459	SB-460
SAMPLE ID	SB-453-0102	SB-454-0102	SB-455-0102	SB-456-0102	SB-457-0000	SB-457-0102	SB-458-0000	SB-458-0102	SB-459-0000	SB-459-0102	SB-460-0000
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SB	SS	SB	SS	SB	SS
TOP DEPTH	1	1	1	1		1		1		1	
BOTTOM DEPTH	2	2	2	2		2		2		2	
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.7E-08	2.8E-09	2.6E-09	2.6E-09	1.0E-06	9.0E-07	3.1E-08	2.6E-09			
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC					5.1E-07	5.9E-07	8.4E-07	8.8E-07	3.3E-07	6.6E-07	3.6E-07
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.7E-08	2.8E-09	2.6E-09	2.6E-09	1.6E-06	1.5E-06	8.7E-07	8.8E-07	3.3E-07	6.6E-07	3.6E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.9E-07	6.0E-08	5.6E-08	5.6E-08	2.3E-05	2.0E-05	6.7E-07	5.6E-08			
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC					4.0E-06	4.6E-06	6.6E-06	6.8E-06	2.6E-06	5.1E-06	2.8E-06
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.9E-07	6.0E-08	5.6E-08	5.6E-08	2.7E-05	2.4E-05	7.2E-06	6.9E-06	2.6E-06	5.1E-06	2.8E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-460	SB-461	SB-461	SB-494	SB-494	SB-495	SB-495	SB-496	SB-496
SAMPLE ID	SB-460-0102	SB-461-0000	SB-461-0102	SB-494-0000	SB-494-0102	SB-495-0000	SB-495-0102	SB-496-0000	SB-496-0102
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1		1		1		1		1
BOTTOM DEPTH	2		2		2		2		2
INDUSTRIAL									
BAP EQUIVALENT-HALFND									
AROCLOR-1254									
AROCLOR-1260									
ANTIMONY									
ARSENIC	7.0E-07	2.9E-07	9.1E-07	4.8E-07	5.9E-07	3.4E-07	3.4E-07	4.4E-07	4.0E-07
CADMIUM									
COBALT									
IRON									
LEAD									
MERCURY									
NICKEL									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	7.0E-07	2.9E-07	9.1E-07	4.8E-07	5.9E-07	3.4E-07	3.4E-07	4.4E-07	4.0E-07
RESIDENTIAL									
BAP EQUIVALENT-HALFND									
AROCLOR-1254									
AROCLOR-1260									
ANTIMONY									
ARSENIC	5.4E-06	2.3E-06	7.1E-06	3.7E-06	4.6E-06	2.6E-06	2.6E-06	3.4E-06	3.1E-06
CADMIUM									
COBALT									
IRON									
LEAD									
MERCURY									
NICKEL									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	5.4E-06	2.3E-06	7.1E-06	3.7E-06	4.6E-06	2.6E-06	2.6E-06	3.4E-06	3.1E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-092	SB-092	SB-194	SB-195	SB-196	SB-197	SB-198	SB-199	SB-081	SB-082	SB-083	SB-084	SB-085
SAMPLE ID	G-SB-92RE-1	G-SB-92RE-2	SB-194-SS	SB-195-SS	SB-196-SS	SB-197-SS	SB-198-SS	SB-199-SS	SB-81-SS	SB-82-SS	SB-83-SS	SB-84-SS	SB-85-SS
SAMPLE DATE	20090929	20090929	20050511	20050510	20050511	20050511	20050511	20050511	20041109	20041109	20041102	20041103	20041105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH	1	2											
BOTTOM DEPTH	1	2	1	1	1	1	1	1					
INDUSTRIAL													
BAP EQUIVALENT-HALFND													
AROCLOR-1254			1.3E-03	1.3E-03	1.2E-03	1.4E-03	8.4E-04	1.3E-03	1.1E-02	1.1E-02	1.0E-02	9.8E-03	1.0E-02
AROCLOR-1260													
ANTIMONY			1.4E-03	4.6E-03	2.1E-03	2.3E-03	1.6E-03	2.3E-03	3.7E-03	3.0E-03	3.2E-03	2.9E-03	9.0E-03
ARSENIC	1.2E-02	7.5E-03	2.3E-03	2.3E-03	1.1E-03	1.1E-02	2.3E-03	3.4E-03	8.2E-03	4.6E-03	2.1E-03	6.2E-03	6.8E-03
CADMIUM			6.2E-05	1.2E-04	1.2E-04	1.9E-04	1.2E-04	6.2E-05	2.0E-03	1.6E-03	1.7E-03	1.6E-03	1.7E-02
COBALT			1.3E-02	2.9E-02	5.9E-03	9.5E-02	1.1E-02	1.4E-02					
IRON													
LEAD													
MERCURY			9.4E-05	9.4E-05	9.4E-05	9.4E-05	1.9E-04	9.4E-05	1.0E-03	1.1E-03	2.6E-04	2.0E-02	6.6E-03
NICKEL			1.2E-03	1.2E-03	5.3E-04	1.9E-03	8.5E-04	6.4E-04	1.3E-03	1.4E-03	1.5E-03	8.4E-04	1.4E-03
VANADIUM			2.2E-03	2.8E-03	2.3E-03	4.3E-03	2.5E-03	2.9E-03					
HEXAVALENT CHROMIUM			5.7E-04	7.5E-04	5.8E-04	1.0E-03	6.7E-04	7.1E-04	1.1E-03	1.1E-03	7.7E-04	9.7E-04	2.5E-03
TOTAL HAZARD INDEX	1.2E-02	7.5E-03	2.2E-02	4.3E-02	1.4E-02	1.2E-01	2.0E-02	2.6E-02	2.9E-02	2.4E-02	2.0E-02	4.2E-02	5.4E-02
RESIDENTIAL													
BAP EQUIVALENT-HALFND													
AROCLOR-1254			1.6E-02	1.7E-02	1.6E-02	1.8E-02	1.1E-02	1.6E-02	1.5E-01	1.4E-01	1.3E-01	1.2E-01	1.3E-01
AROCLOR-1260													
ANTIMONY			2.3E-02	7.6E-02	3.4E-02	3.8E-02	2.7E-02	3.8E-02	6.1E-02	4.9E-02	5.3E-02	4.7E-02	1.5E-01
ARSENIC	2.5E-01	1.5E-01	4.6E-02	4.6E-02	2.3E-02	2.3E-01	4.6E-02	6.9E-02	1.7E-01	9.2E-02	4.3E-02	1.2E-01	1.4E-01
CADMIUM			1.4E-03	2.7E-03	2.7E-03	4.1E-03	2.7E-03	1.4E-03	4.3E-02	3.5E-02	3.8E-02	3.4E-02	3.8E-01
COBALT			3.2E-01	6.9E-01	1.4E-01	2.2E+00	2.5E-01	3.3E-01					
IRON													
LEAD													
MERCURY			1.2E-03	1.2E-03	1.2E-03	1.2E-03	2.4E-03	1.2E-03	1.3E-02	1.4E-02	3.3E-03	2.5E-01	8.4E-02
NICKEL			1.2E-02	1.2E-02	5.5E-03	2.0E-02	8.7E-03	6.5E-03	1.3E-02	1.4E-02	1.5E-02	8.6E-03	1.4E-02
VANADIUM			5.3E-02	6.8E-02	5.5E-02	1.0E-01	5.8E-02	6.9E-02					
HEXAVALENT CHROMIUM			5.1E-03	6.6E-03	5.2E-03	8.9E-03	5.9E-03	6.2E-03	9.5E-03	9.5E-03	6.8E-03	8.6E-03	2.2E-02
TOTAL HAZARD INDEX	2.5E-01	1.5E-01	4.7E-01	9.2E-01	2.8E-01	2.7E+00	4.2E-01	5.4E-01	4.5E-01	3.5E-01	2.9E-01	6.0E-01	9.1E-01

Legend

Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-086	SB-091	SB-092	SB-254	SB-255	SB-256	SB-257	SB-258	SB-259	SB-260	SB-261	SB-457
SAMPLE ID	SB-86-SS	SB-91-SS	SB-92-SS	SB-254-SS[6]	SB-255-SS[6]	SB-256-SS[6]	SB-257-SS[6]	SB-258-SS[6]	SB-259-SS[6]	SB-260-SS[6]	SB-261-SS[6]	SB-457-0000
SAMPLE DATE	20041115	20040927	20040927	20050511	20050510	20050510	20050510	20050510	20050510	20050510	20050510	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
TOP DEPTH				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
BOTTOM DEPTH				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.0E-02	1.0E-02	9.1E-03	1.3E-03	1.2E-03	1.3E-03	1.3E-03	1.4E-03	1.3E-03	1.3E-03	1.3E-03	
AROCLOR-1260												
ANTIMONY	3.0E-03	2.9E-03	3.1E-03									
ARSENIC	7.3E-03	4.8E-03	8.4E-02									3.2E-03
CADMIUM	7.1E-03	1.6E-03	1.7E-03									
COBALT												
IRON												
LEAD												
MERCURY	1.9E-03	2.4E-04	2.6E-04									
NICKEL	3.0E-02	2.2E-03	2.9E-02									
VANADIUM												
HEXAVALENT CHROMIUM	1.5E-03	1.3E-03	1.7E-03									
TOTAL HAZARD INDEX	6.1E-02	2.3E-02	1.3E-01	1.3E-03	1.2E-03	1.3E-03	1.3E-03	1.4E-03	1.3E-03	1.3E-03	1.3E-03	3.2E-03
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
AROCLOR-1254	1.3E-01	1.3E-01	1.2E-01	1.6E-02	1.5E-02	1.6E-02	1.6E-02	1.7E-02	1.7E-02	1.6E-02	1.7E-02	
AROCLOR-1260												
ANTIMONY	4.9E-02	4.7E-02	5.1E-02									
ARSENIC	1.5E-01	9.7E-02	1.7E+00									6.5E-02
CADMIUM	1.5E-01	3.4E-02	3.6E-02									
COBALT												
IRON												
LEAD												
MERCURY	2.4E-02	3.0E-03	3.3E-03									
NICKEL	3.1E-01	2.3E-02	2.9E-01									
VANADIUM												
HEXAVALENT CHROMIUM	1.4E-02	1.1E-02	1.5E-02									
TOTAL HAZARD INDEX	8.3E-01	3.4E-01	2.2E+00	1.6E-02	1.5E-02	1.6E-02	1.6E-02	1.7E-02	1.7E-02	1.6E-02	1.7E-02	6.5E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-457	SB-458	SB-458	SB-459	SB-459	SB-460	SB-460	SB-461	SB-461	SB-494	SB-494
SAMPLE ID	SB-457-0102	SB-458-0000	SB-458-0102	SB-459-0000	SB-459-0102	SB-460-0000	SB-460-0102	SB-461-0000	SB-461-0102	SB-494-0000	SB-494-0102
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SS	SB	SS	SB	SS	SB	SS	SB	SS	SB
TOP DEPTH	1		1		1		1		1		1
BOTTOM DEPTH	2		2		2		2		2		2
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC	3.7E-03	5.2E-03	5.5E-03	2.1E-03	4.1E-03	2.3E-03	4.3E-03	1.8E-03	5.7E-03	3.0E-03	3.7E-03
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	3.7E-03	5.2E-03	5.5E-03	2.1E-03	4.1E-03	2.3E-03	4.3E-03	1.8E-03	5.7E-03	3.0E-03	3.7E-03
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC	7.4E-02	1.1E-01	1.1E-01	4.2E-02	8.3E-02	4.6E-02	8.8E-02	3.7E-02	1.2E-01	6.0E-02	7.4E-02
CADMIUM											
COBALT											
IRON											
LEAD											
MERCURY											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	7.4E-02	1.1E-01	1.1E-01	4.2E-02	8.3E-02	4.6E-02	8.8E-02	3.7E-02	1.2E-01	6.0E-02	7.4E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-495	SB-495	SB-496	SB-496
SAMPLE ID	SB-495-0000	SB-495-0102	SB-496-0000	SB-496-0102
SAMPLE DATE	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SB	SS	SB
TOP DEPTH		1		1
BOTTOM DEPTH		2		2
INDUSTRIAL				
BAP EQUIVALENT-HALFND				
AROCLOR-1254				
AROCLOR-1260				
ANTIMONY				
ARSENIC	2.1E-03	2.1E-03	2.7E-03	2.5E-03
CADMIUM				
COBALT				
IRON				
LEAD				
MERCURY				
NICKEL				
VANADIUM				
HEXAVALENT CHROMIUM				
TOTAL HAZARD INDEX	2.1E-03	2.1E-03	2.7E-03	2.5E-03
RESIDENTIAL				
BAP EQUIVALENT-HALFND				
AROCLOR-1254				
AROCLOR-1260				
ANTIMONY				
ARSENIC	4.3E-02	4.3E-02	5.5E-02	5.1E-02
CADMIUM				
COBALT				
IRON				
LEAD				
MERCURY				
NICKEL				
VANADIUM				
HEXAVALENT CHROMIUM				
TOTAL HAZARD INDEX	4.3E-02	4.3E-02	5.5E-02	5.1E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-194	SB-194	SB-194	SB-196	SB-196	SB-196	SB-196	SB-196	SB-196	SB-196
SAMPLE ID	G-SB-194RE-3	G-SB-194RE-4	G-SB-194RE-5	G-SB-196RE-10	G-SB-196RE-6	G-SB-196RE-7	G-SB-196RE-7-AVG	G-SB-196RE-7-D	G-SB-196RE-8	G-SB-196RE-9
SAMPLE DATE	20090930	20090930	20090930	20091001	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	10	6	7	7	7	8	9
BOTTOM DEPTH	3	4	5	10	6	7	7	7	8	9
INDUSTRIAL										
BAP EQUIVALENT-HALFND	3.5E-08	2.6E-09	1.8E-07	7.2E-08	1.5E-06	2.0E-07	1.6E-07	1.2E-07	2.8E-09	1.1E-06
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.5E-08	2.6E-09	1.8E-07	7.2E-08	1.5E-06	2.0E-07	1.6E-07	1.2E-07	2.8E-09	1.1E-06
RESIDENTIAL										
BAP EQUIVALENT-HALFND	7.6E-07	5.6E-08	3.8E-06	1.6E-06	3.2E-05	4.3E-06	3.4E-06	2.5E-06	6.0E-08	2.4E-05
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	7.6E-07	5.6E-08	3.8E-06	1.6E-06	3.2E-05	4.3E-06	3.4E-06	2.5E-06	6.0E-08	2.4E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-197	SB-197	SB-197	SB-197	SB-198	SB-198	SB-198	SB-198	SB-198	SB-198
SAMPLE ID	G-SB-197RE-6	G-SB-197RE-6-AVG	G-SB-197RE-6-D	G-SB-197RE-7	G-SB-198RE-3	G-SB-198RE-4	G-SB-198RE-5	G-SB-198RE-6	G-SB-198RE-7	G-SB-198RE-8
SAMPLE DATE	20091002	20091002	20091002	20091002	20090929	20090929	20090929	20091019	20091019	20091019
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	6	6	7	3	4	5	6	7	8
BOTTOM DEPTH	6	6	6	7	3	4	5	6	7	8
INDUSTRIAL										
BAP EQUIVALENT-HALFND	8.2E-08	1.3E-07	1.7E-07	2.8E-09	1.2E-07	2.2E-06	3.0E-07	1.6E-06	2.6E-09	2.8E-09
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	8.2E-08	1.3E-07	1.7E-07	2.8E-09	1.2E-07	2.2E-06	3.0E-07	1.6E-06	2.6E-09	2.8E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	1.8E-06	2.7E-06	3.7E-06	6.0E-08	2.6E-06	4.8E-05	6.6E-06	3.5E-05	5.6E-08	6.0E-08
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.8E-06	2.7E-06	3.7E-06	6.0E-08	2.6E-06	4.8E-05	6.6E-06	3.5E-05	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-198	SB-199	SB-199	SB-255	SB-255	SB-255	SB-424	SB-424	SB-424	SB-424
SAMPLE ID	G-SB-198RE-9	G-SB-199RE-6	G-SB-199RE-7	G-SB-255RE-3	G-SB-255RE-4	G-SB-255RE-5	G-SB-424RE-5	G-SB-424RE-5-AVG	G-SB-424RE-5-D	G-SB-424RE-6
SAMPLE DATE	20091019	20090930	20090930	20091001	20091001	20091001	20090924	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	6	7	3	4	5	5	5	5	6
BOTTOM DEPTH	9	6	7	3	4	5	5	5	5	6
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.8E-09	4.8E-08	4.4E-08	1.5E-07	2.6E-09	3.7E-07	6.0E-09	4.3E-09	2.6E-09	2.6E-09
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.8E-09	4.8E-08	4.4E-08	1.5E-07	2.6E-09	3.7E-07	6.0E-09	4.3E-09	2.6E-09	2.6E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	6.0E-08	1.0E-06	9.5E-07	3.2E-06	5.6E-08	8.0E-06	1.3E-07	9.3E-08	5.6E-08	5.6E-08
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	6.0E-08	1.0E-06	9.5E-07	3.2E-06	5.6E-08	8.0E-06	1.3E-07	9.3E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-437	SB-437	SB-441	SB-441	SB-453	SB-453	SB-456	SB-456	SB-457	SB-457
SAMPLE ID	G-SB-437RE-3	G-SB-437RE-4	G-SB-441RE-7	G-SB-441RE-8	G-SB-453RE-5	G-SB-453RE-6	G-SB-456RE-10	G-SB-456RE-9	G-SB-457RE-3	G-SB-457RE-4
SAMPLE DATE	20090930	20090930	20090929	20090929	20091001	20091001	20090930	20090930	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	7	8	5	6	10	9	3	4
BOTTOM DEPTH	3	4	7	8	5	6	10	9	3	4
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.8E-07	3.8E-08	8.2E-08	8.1E-08	2.7E-07	4.9E-07	1.2E-07	4.6E-08
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.8E-07	3.8E-08	8.2E-08	8.1E-08	2.7E-07	4.9E-07	1.2E-07	4.6E-08
RESIDENTIAL										
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	6.0E-06	8.2E-07	1.8E-06	1.8E-06	5.9E-06	1.1E-05	2.6E-06	1.0E-06
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.6E-08	5.6E-08	6.0E-06	8.2E-07	1.8E-06	1.8E-06	5.9E-06	1.1E-05	2.6E-06	1.0E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-653	SB-653	SB-653	SB-653	SB-653	SB-653	SB-653	SB-653	SB-653A	SB-653A	SB-653A
SAMPLE ID	G-SB-653-3	G-SB-653-5	G-SB-653-6	G-SB-653-7	G-SB-653-8	G-SB-653-9	G-SB-653-9-AVG	G-SB-653-9-D	G-SB-653A-3	G-SB-653A-5	G-SB-653A-7
SAMPLE DATE	20090930	20090930	20091020	20091020	20091020	20091020	20091020	20091020	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	9	9	3	5	7
BOTTOM DEPTH	3	5	6	7	8	9	9	9	3	5	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.2E-08	1.8E-05	1.4E-08	2.9E-09	2.4E-09	2.4E-09	2.5E-09	2.6E-09	2.4E-09	1.3E-05	2.4E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.2E-08	1.8E-05	1.4E-08	2.9E-09	2.4E-09	2.4E-09	2.5E-09	2.6E-09	2.4E-09	1.3E-05	2.4E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.3E-06	3.9E-04	2.9E-07	6.4E-08	5.3E-08	5.3E-08	5.4E-08	5.6E-08	5.3E-08	2.8E-04	5.3E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.3E-06	3.9E-04	2.9E-07	6.4E-08	5.3E-08	5.3E-08	5.4E-08	5.6E-08	5.3E-08	2.8E-04	5.3E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-653B	SB-653B	SB-653B	SB-653D	SB-653D	SB-653D	SB-654	SB-654	SB-654B	SB-654B	SB-654C
SAMPLE ID	G-SB-653B-3	G-SB-653B-5	G-SB-653B-7	G-SB-653D-3	G-SB-653D-5	G-SB-653D-7	G-SB-654-3	G-SB-654-5	G-SB-654B-3	G-SB-654B-5	G-SB-654C-3
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20090930	20090930	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	7	3	5	3	5	3
BOTTOM DEPTH	3	5	7	3	5	7	3	5	3	5	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.0E-07	3.4E-07	1.2E-07	2.6E-09	1.7E-07	2.6E-09	2.4E-07	2.3E-07	2.7E-08	3.5E-05	9.6E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.0E-07	3.4E-07	1.2E-07	2.6E-09	1.7E-07	2.6E-09	2.4E-07	2.3E-07	2.7E-08	3.5E-05	9.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.2E-06	7.4E-06	2.6E-06	5.6E-08	3.7E-06	5.6E-08	5.1E-06	5.0E-06	5.9E-07	7.6E-04	2.1E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.2E-06	7.4E-06	2.6E-06	5.6E-08	3.7E-06	5.6E-08	5.1E-06	5.0E-06	5.9E-07	7.6E-04	2.1E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-654C	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656	SB-656C	SB-656C	SB-656C	SB-656C
SAMPLE ID	G-SB-654C-5	G-SB-656-3	G-SB-656-5	G-SB-656-6	G-SB-656-7	G-SB-656-8	G-SB-656-9	G-SB-656C-4	G-SB-656C-6	G-SB-656C-8	G-SB-656C-8-AVG
SAMPLE DATE	20091030	20090930	20090930	20091020	20091020	20091020	20091020	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	6	7	8	9	4	6	8	8
BOTTOM DEPTH	5	3	5	6	7	8	9	4	6	8	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	3.4E-08	1.5E-06	6.1E-07	9.1E-09	2.8E-09	2.6E-09	1.1E-07	2.3E-07	2.8E-09	2.7E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	3.4E-08	1.5E-06	6.1E-07	9.1E-09	2.8E-09	2.6E-09	1.1E-07	2.3E-07	2.8E-09	2.7E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	7.4E-07	3.3E-05	1.3E-05	2.0E-07	6.0E-08	5.6E-08	2.4E-06	5.0E-06	6.0E-08	5.8E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	7.4E-07	3.3E-05	1.3E-05	2.0E-07	6.0E-08	5.6E-08	2.4E-06	5.0E-06	6.0E-08	5.8E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-656C	SB-656D	SB-656D	SB-656D	SB-657A	SB-657A	SB-657A	SB-657A	SB-657A	SB-657A
SAMPLE ID	G-SB-656C-8-D	G-SB-656D-4	G-SB-656D-6	G-SB-656D-8	G-SB-657A-3	G-SB-657A-5	G-SB-657A-5-AVG	G-SB-657A-5-D	G-SB-657A-7	G-SB-657A-9
SAMPLE DATE	20091029	20091029	20091029	20091029	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	6	8	3	5	5	5	7	9
BOTTOM DEPTH	8	4	6	8	3	5	5	5	7	9
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.6E-09	7.7E-08	7.6E-08	5.7E-08	1.2E-07	4.2E-06	3.7E-06	3.3E-06	7.4E-07	2.1E-05
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.6E-09	7.7E-08	7.6E-08	5.7E-08	1.2E-07	4.2E-06	3.7E-06	3.3E-06	7.4E-07	2.1E-05
RESIDENTIAL										
BAP EQUIVALENT-HALFND	5.6E-08	1.7E-06	1.7E-06	1.2E-06	2.7E-06	9.1E-05	8.1E-05	7.1E-05	1.6E-05	4.4E-04
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.6E-08	1.7E-06	1.7E-06	1.2E-06	2.7E-06	9.1E-05	8.1E-05	7.1E-05	1.6E-05	4.4E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657B	SB-657D	SB-657D	SB-657D	SB-657D	SB-658B
SAMPLE ID	G-SB-657B-3	G-SB-657B-5	G-SB-657B-5-AVG	G-SB-657B-5-D	G-SB-657B-7	G-SB-657B-9	G-SB-657D-3	G-SB-657D-5	G-SB-657D-7	G-SB-657D-9	G-SB-658B-3
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	5	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	5	5	5	7	9	3	5	7	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	7.2E-08	5.0E-06	2.8E-06	7.0E-07	5.0E-08	2.3E-06	1.5E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.2E-08	5.0E-06	2.8E-06	7.0E-07	5.0E-08	2.3E-06	1.5E-07	2.8E-09	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.6E-06	1.1E-04	6.1E-05	1.5E-05	1.1E-06	4.9E-05	3.3E-06	6.0E-08	5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.6E-06	1.1E-04	6.1E-05	1.5E-05	1.1E-06	4.9E-05	3.3E-06	6.0E-08	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-658B	SB-658B	SB-658B	SB-658C	SB-658C	SB-658C	SB-658C	SB-659C	SB-659C	SB-659C	SB-659C
SAMPLE ID	G-SB-658B-5	G-SB-658B-7	G-SB-658B-9	G-SB-658C-3	G-SB-658C-5	G-SB-658C-7	G-SB-658C-9	G-SB-659C-3	G-SB-659C-5	G-SB-659C-7	G-SB-659C-9
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091028	20091028	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5	7	9
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5	7	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.9E-06	2.6E-09	2.2E-07	1.1E-07	2.4E-06	7.6E-08	1.4E-06	3.0E-08	1.4E-08	2.6E-09	5.7E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.9E-06	2.6E-09	2.2E-07	1.1E-07	2.4E-06	7.6E-08	1.4E-06	3.0E-08	1.4E-08	2.6E-09	5.7E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	4.2E-05	5.6E-08	4.8E-06	2.4E-06	5.2E-05	1.6E-06	3.1E-05	6.5E-07	3.0E-07	5.6E-08	1.2E-04
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.2E-05	5.6E-08	4.8E-06	2.4E-06	5.2E-05	1.6E-06	3.1E-05	6.5E-07	3.0E-07	5.6E-08	1.2E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-659D	SB-659D	SB-659D	SB-659D	SB-659D	SB-659D	SB-661	SB-661	SB-662	SB-662	SB-662
SAMPLE ID	G-SB-659D-3	G-SB-659D-5	G-SB-659D-7	G-SB-659D-7-AVG	G-SB-659D-7-D	G-SB-659D-9	G-SB-661-6	G-SB-661-7	G-SB-662-10	G-SB-662-6	G-SB-662-7
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091029	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	9	6	7	10	6	7
BOTTOM DEPTH	3	5	7	7	7	9	6	7	10	6	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	8.3E-08	7.0E-08	5.8E-08	2.6E-09	2.8E-09	2.6E-09	4.8E-07	3.0E-06	8.1E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	8.3E-08	7.0E-08	5.8E-08	2.6E-09	2.8E-09	2.6E-09	4.8E-07	3.0E-06	8.1E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	1.8E-06	1.5E-06	1.2E-06	5.6E-08	6.0E-08	5.6E-08	1.0E-05	6.4E-05	1.7E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	1.8E-06	1.5E-06	1.2E-06	5.6E-08	6.0E-08	5.6E-08	1.0E-05	6.4E-05	1.7E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-662	SB-662	SB-662A	SB-662A	SB-662A	SB-662A	SB-662B	SB-662B	SB-662B	SB-662B	SB-662B
SAMPLE ID	G-SB-662-8	G-SB-662-9	G-SB-662A-3	G-SB-662A-5	G-SB-662A-7	G-SB-662A-9	G-SB-662B-3	G-SB-662B-5	G-SB-662B-7	G-SB-662B-7-AVG	G-SB-662B-7-D
SAMPLE DATE	20091001	20091001	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	9	3	5	7	7	7
BOTTOM DEPTH	8	9	3	5	7	9	3	5	7	7	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	9.9E-09	1.5E-05	2.1E-07	1.8E-07	7.6E-08	2.4E-06	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	9.9E-09	1.5E-05	2.1E-07	1.8E-07	7.6E-08	2.4E-06	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.2E-07	3.2E-04	4.5E-06	3.8E-06	1.6E-06	5.3E-05	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.2E-07	3.2E-04	4.5E-06	3.8E-06	1.6E-06	5.3E-05	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-662B	SB-662C	SB-662C	SB-662C	SB-662C	SB-663	SB-663	SB-663	SB-663	SB-664	SB-664
SAMPLE ID	G-SB-662B-9	G-SB-662C-3	G-SB-662C-5	G-SB-662C-7	G-SB-662C-9	G-SB-663-6	G-SB-663-6-AVG	G-SB-663-6-D	G-SB-663-7	G-SB-664-6	G-SB-664-7
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091001	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	6	6	6	7	6	7
BOTTOM DEPTH	9	3	5	7	9	6	6	6	7	6	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.1E-05	2.1E-05	6.7E-08	6.0E-09	7.9E-06	2.8E-09	2.7E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-05	2.1E-05	6.7E-08	6.0E-09	7.9E-06	2.8E-09	2.7E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.4E-04	4.6E-04	1.5E-06	1.3E-07	1.7E-04	6.0E-08	5.8E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.4E-04	4.6E-04	1.5E-06	1.3E-07	1.7E-04	6.0E-08	5.8E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-665	SB-665	SB-666	SB-666	SB-667	SB-667	SB-668	SB-668	SB-671	SB-671	SB-671	SB-671	SB-671
SAMPLE ID	G-SB-665-6	G-SB-665-7	G-SB-666-6	G-SB-666-7	G-SB-667-6	G-SB-667-7	G-SB-668-6	G-SB-668-7	G-SB-671-3	G-SB-671-4	G-SB-671-5	G-SB-671-6	G-SB-671-7
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20090929	20090929	20090929	20091019	20091019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	6	7	6	7	6	7	3	4	5	6	7
BOTTOM DEPTH	6	7	6	7	6	7	6	7	3	4	5	6	7
INDUSTRIAL													
BAP EQUIVALENT-HALFND	2.9E-09	2.9E-09	2.6E-09	2.6E-09	2.6E-09	2.9E-09	2.8E-09	2.9E-09	8.5E-07	4.2E-07	5.3E-05	1.5E-06	3.0E-06
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	2.9E-09	2.9E-09	2.6E-09	2.6E-09	2.6E-09	2.9E-09	2.8E-09	2.9E-09	8.5E-07	4.2E-07	5.3E-05	1.5E-06	3.0E-06
RESIDENTIAL													
BAP EQUIVALENT-HALFND	6.4E-08	6.4E-08	5.6E-08	5.6E-08	5.6E-08	6.4E-08	6.0E-08	6.4E-08	1.8E-05	9.1E-06	1.1E-03	3.3E-05	6.5E-05
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	6.4E-08	6.4E-08	5.6E-08	5.6E-08	5.6E-08	6.4E-08	6.0E-08	6.4E-08	1.8E-05	9.1E-06	1.1E-03	3.3E-05	6.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-671	SB-671	SB-671	SB-671	SB-671	SB-671B	SB-671B	SB-671B	SB-671B	SB-671C	SB-671C
SAMPLE ID	G-SB-671-7-AVG	G-SB-671-7-D	G-SB-671-8	G-SB-671-9	G-SB-671RE-10	G-SB-671B-3	G-SB-671B-5	G-SB-671B-7	G-SB-671B-9	G-SB-671C-3	G-SB-671C-5
SAMPLE DATE	20091019	20091019	20091019	20091019	20091029	20091111	20091111	20091111	20091111	20091111	20091111
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	8	9	10	3	5	7	9	3	5
BOTTOM DEPTH	7	7	8	9	10	3	5	7	9	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.5E-06	2.8E-09	4.4E-07	6.9E-06	2.8E-09	6.6E-07	6.1E-08	2.9E-09	2.9E-09	8.4E-08	1.2E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-06	2.8E-09	4.4E-07	6.9E-06	2.8E-09	6.6E-07	6.1E-08	2.9E-09	2.9E-09	8.4E-08	1.2E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	3.2E-05	6.0E-08	9.5E-06	1.5E-04	6.0E-08	1.4E-05	1.3E-06	6.4E-08	6.4E-08	1.8E-06	2.7E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.2E-05	6.0E-08	9.5E-06	1.5E-04	6.0E-08	1.4E-05	1.3E-06	6.4E-08	6.4E-08	1.8E-06	2.7E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-671C	SB-671C	SB-671C	SB-671C	SB-671D	SB-671D	SB-671D	SB-671D	SB-673	SB-673	SB-674
SAMPLE ID	G-SB-671C-7	G-SB-671C-7-AVG	G-SB-671C-7-D	G-SB-671C-9	G-SB-671D-3	G-SB-671D-5	G-SB-671D-7	G-SB-671D-9	G-SB-673-6	G-SB-673-7	G-SB-674-6
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20091111	20090930	20090930	20090930
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	7	7	9	3	5	7	9	6	7	6
BOTTOM DEPTH	7	7	7	9	3	5	7	9	6	7	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.7E-09	2.8E-09	2.8E-09	3.9E-07	2.8E-09	1.6E-08	5.6E-08	2.6E-09	2.6E-09	1.4E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.7E-09	2.8E-09	2.8E-09	3.9E-07	2.8E-09	1.6E-08	5.6E-08	2.6E-09	2.6E-09	1.4E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.8E-08	6.0E-08	6.0E-08	8.5E-06	6.0E-08	3.6E-07	1.2E-06	5.6E-08	5.6E-08	3.0E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.8E-08	6.0E-08	6.0E-08	8.5E-06	6.0E-08	3.6E-07	1.2E-06	5.6E-08	5.6E-08	3.0E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-674	SB-675	SB-675	SB-676	SB-676	SB-677	SB-677	SB-677	SB-677	SB-677	SB-677	SB-677
SAMPLE ID	G-SB-674-7	G-SB-675-6	G-SB-675-7	G-SB-676-6	G-SB-676-7	G-SB-677-3	G-SB-677-4	G-SB-677-5	G-SB-677-6	G-SB-677-7	G-SB-677-8	G-SB-677-9
SAMPLE DATE	20090930	20090930	20090930	20090930	20090930	20091001	20091001	20091001	20091020	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	6	7	6	7	3	4	5	6	7	8	9
BOTTOM DEPTH	7	6	7	6	7	3	4	5	6	7	8	9
INDUSTRIAL												
BAP EQUIVALENT-HALFND	9.2E-08	4.4E-07	5.6E-08	2.6E-09	2.8E-09	1.6E-07	1.4E-07	6.3E-06	7.2E-08	2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.2E-08	4.4E-07	5.6E-08	2.6E-09	2.8E-09	1.6E-07	1.4E-07	6.3E-06	7.2E-08	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.0E-06	9.5E-06	1.2E-06	5.6E-08	6.0E-08	3.4E-06	3.0E-06	1.4E-04	1.6E-06	5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.0E-06	9.5E-06	1.2E-06	5.6E-08	6.0E-08	3.4E-06	3.0E-06	1.4E-04	1.6E-06	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-677A	SB-677A	SB-677A	SB-677A	SB-677B	SB-677B	SB-677B	SB-677B	SB-677B	SB-677B	SB-677D
SAMPLE ID	G-SB-677A-3	G-SB-677A-5	G-SB-677A-7	G-SB-677A-9	G-SB-677B-3	G-SB-677B-5	G-SB-677B-7	G-SB-677B-9	G-SB-677B-9-AVG	G-SB-677B-9-D	G-SB-677D-3
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	9	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	9	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.4E-07	9.3E-07	1.4E-08	7.3E-08	1.5E-07	4.1E-07	2.6E-09	7.0E-07	1.1E-06	1.6E-06	4.3E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.4E-07	9.3E-07	1.4E-08	7.3E-08	1.5E-07	4.1E-07	2.6E-09	7.0E-07	1.1E-06	1.6E-06	4.3E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	3.0E-06	2.0E-05	3.1E-07	1.6E-06	3.3E-06	9.0E-06	5.6E-08	1.5E-05	2.5E-05	3.4E-05	9.3E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.0E-06	2.0E-05	3.1E-07	1.6E-06	3.3E-06	9.0E-06	5.6E-08	1.5E-05	2.5E-05	3.4E-05	9.3E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-677D	SB-677D	SB-677D	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678	SB-678
SAMPLE ID	G-SB-677D-5	G-SB-677D-7	G-SB-677D-9	G-SB-678-3	G-SB-678-4	G-SB-678-5	G-SB-678-6	G-SB-678-7	G-SB-678-8	G-SB-678-8-AVG	G-SB-678-8-D	G-SB-678-9
SAMPLE DATE	20091030	20091030	20091030	20091001	20091001	20091001	20091020	20091020	20091020	20091020	20091020	20091020
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	4	5	6	7	8	8	8	9
BOTTOM DEPTH	5	7	9	3	4	5	6	7	8	8	8	9
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.6E-05	2.7E-07	1.3E-07	1.3E-07	3.6E-07	6.6E-06	3.7E-07	1.3E-06	2.6E-09	6.0E-08	1.2E-07	8.6E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.6E-05	2.7E-07	1.3E-07	1.3E-07	3.6E-07	6.6E-06	3.7E-07	1.3E-06	2.6E-09	6.0E-08	1.2E-07	8.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	3.6E-04	5.9E-06	2.8E-06	2.7E-06	7.8E-06	1.4E-04	8.0E-06	2.8E-05	5.6E-08	1.3E-06	2.5E-06	1.9E-07
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.6E-04	5.9E-06	2.8E-06	2.7E-06	7.8E-06	1.4E-04	8.0E-06	2.8E-05	5.6E-08	1.3E-06	2.5E-06	1.9E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-678B	SB-678B	SB-678B	SB-678B	SB-678B	SB-678B	SB-678C	SB-678C	SB-678C	SB-678C	SB-679
SAMPLE ID	G-SB-678B-3	G-SB-678B-3-AVG	G-SB-678B-3-D	G-SB-678B-5	G-SB-678B-7	G-SB-678B-9	G-SB-678C-3	G-SB-678C-5	G-SB-678C-7	G-SB-678C-9	G-SB-679-3
SAMPLE DATE	20091111	20091111	20091111	20091111	20091111	20091111	20091030	20091030	20091030	20091030	20091001
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	3	5	7	9	3	5	7	9	3
BOTTOM DEPTH	3	3	3	5	7	9	3	5	7	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	7.8E-08	6.3E-08	4.7E-08	4.8E-07	2.6E-09	3.3E-06	2.6E-09	2.6E-09	2.8E-09	9.6E-08	2.5E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.8E-08	6.3E-08	4.7E-08	4.8E-07	2.6E-09	3.3E-06	2.6E-09	2.6E-09	2.8E-09	9.6E-08	2.5E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.7E-06	1.4E-06	1.0E-06	1.0E-05	5.6E-08	7.1E-05	5.6E-08	5.6E-08	6.0E-08	2.1E-06	5.4E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.7E-06	1.4E-06	1.0E-06	1.0E-05	5.6E-08	7.1E-05	5.6E-08	5.6E-08	6.0E-08	2.1E-06	5.4E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679	SB-679C	SB-679C	SB-679C	SB-679C	SB-679C
SAMPLE ID	G-SB-679-4	G-SB-679-5	G-SB-679-6	G-SB-679-7	G-SB-679-8	G-SB-679-9	G-SB-679C-3	G-SB-679C-5	G-SB-679C-7	G-SB-679C-9	G-SB-679C-9-AVG
SAMPLE DATE	20091001	20091001	20091020	20091020	20091020	20091020	20091030	20091030	20091030	20091030	20091030
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	8	9	3	5	7	9	9
BOTTOM DEPTH	4	5	6	7	8	9	3	5	7	9	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND	4.0E-08	7.7E-07	1.3E-07	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	3.9E-07	1.9E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.0E-08	7.7E-07	1.3E-07	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	3.9E-07	1.9E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	8.7E-07	1.7E-05	2.7E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	8.4E-06	4.2E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.7E-07	1.7E-05	2.7E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	8.4E-06	4.2E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-679C	SB-679D	SB-679D	SB-679D	SB-679D	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680	SB-680
SAMPLE ID	G-SB-679C-9-D	G-SB-679D-3	G-SB-679D-5	G-SB-679D-7	G-SB-679D-9	G-SB-680-3	G-SB-680-4	G-SB-680-5	G-SB-680-6	G-SB-680-7	G-SB-680-8	G-SB-680-9
SAMPLE DATE	20091030	20091030	20091030	20091030	20091030	20091001	20091001	20091001	20091020	20091020	20091020	20091020
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	4	5	6	7	8	9
BOTTOM DEPTH	9	3	5	7	9	3	4	5	6	7	8	9
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	5.9E-08	2.6E-09	7.1E-08	8.2E-08	2.8E-06	3.9E-06	8.6E-05	2.1E-06	2.6E-09	2.6E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.6E-09	5.9E-08	2.6E-09	7.1E-08	8.2E-08	2.8E-06	3.9E-06	8.6E-05	2.1E-06	2.6E-09	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	1.3E-06	5.6E-08	1.5E-06	1.8E-06	6.0E-05	8.4E-05	1.9E-03	4.5E-05	5.6E-08	5.6E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	5.6E-08	1.3E-06	5.6E-08	1.5E-06	1.8E-06	6.0E-05	8.4E-05	1.9E-03	4.5E-05	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-680D	SB-680D	SB-680D	SB-681	SB-681	SB-682	SB-682	SB-683	SB-683	SB-684	SB-684	SB-684
SAMPLE ID	G-SB-680D-3	G-SB-680D-7	G-SB-680D-9	G-SB-681-5	G-SB-681-6	G-SB-682-5	G-SB-682-6	G-SB-683-5	G-SB-683-6	G-SB-684-5	G-SB-684-5-AVG	G-SB-684-5-D
SAMPLE DATE	20091102	20091102	20091102	20090924	20090924	20090923	20090923	20090923	20090923	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	7	9	5	6	5	6	5	6	5	5	5
BOTTOM DEPTH	3	7	9	5	6	5	6	5	6	5	5	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-07	7.2E-06	3.6E-08	2.9E-07	2.6E-09	2.6E-09	8.2E-08	5.2E-07	2.8E-09	9.6E-09	2.0E-07	3.9E-07
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-07	7.2E-06	3.6E-08	2.9E-07	2.6E-09	2.6E-09	8.2E-08	5.2E-07	2.8E-09	9.6E-09	2.0E-07	3.9E-07
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.7E-06	1.6E-04	7.7E-07	6.2E-06	5.6E-08	5.6E-08	1.8E-06	1.1E-05	6.0E-08	2.1E-07	4.4E-06	8.5E-06
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.7E-06	1.6E-04	7.7E-07	6.2E-06	5.6E-08	5.6E-08	1.8E-06	1.1E-05	6.0E-08	2.1E-07	4.4E-06	8.5E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-684	SB-685	SB-685	SB-685	SB-685	SB-686	SB-686	SB-687	SB-687	SB-688	SB-688	SB-689
SAMPLE ID	G-SB-684-6	G-SB-685-3	G-SB-685-4	G-SB-685-4-AVG	G-SB-685-4-D	G-SB-686-3	G-SB-686-4	G-SB-687-3	G-SB-687-4	G-SB-688-3	G-SB-688-4	G-SB-689-7
SAMPLE DATE	20090923	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20090930
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	3	4	4	4	3	4	3	4	3	4	7
BOTTOM DEPTH	6	3	4	4	4	3	4	3	4	3	4	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	3.8E-08	1.6E-07	1.5E-07	1.4E-07	2.4E-09	2.6E-09	3.5E-08	5.5E-08	4.4E-08	2.8E-09	2.6E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	3.8E-08	1.6E-07	1.5E-07	1.4E-07	2.4E-09	2.6E-09	3.5E-08	5.5E-08	4.4E-08	2.8E-09	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	8.2E-07	3.6E-06	3.3E-06	3.0E-06	5.3E-08	5.6E-08	7.6E-07	1.2E-06	9.6E-07	6.0E-08	5.6E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	8.2E-07	3.6E-06	3.3E-06	3.0E-06	5.3E-08	5.6E-08	7.6E-07	1.2E-06	9.6E-07	6.0E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-689	SB-690	SB-690	SB-690	SB-690	SB-691	SB-691	SB-692	SB-692	SB-693	SB-693	SB-693
SAMPLE ID	G-SB-689-8	G-SB-690-7	G-SB-690-7-AVG	G-SB-690-7-D	G-SB-690-8	G-SB-691-7	G-SB-691-8	G-SB-692-7	G-SB-692-8	G-SB-693-5	G-SB-693-6	G-SB-693-7
SAMPLE DATE	20090930	20090930	20090930	20090930	20090930	20090930	20090930	20090929	20090929	20091001	20091001	20091001
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	7	7	7	8	7	8	7	8	5	6	7
BOTTOM DEPTH	8	7	7	7	8	7	8	7	8	5	6	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.9E-09	2.2E-08	4.1E-08	2.6E-09	1.2E-08	2.8E-09	2.6E-09	2.6E-09	1.5E-05	7.3E-08	9.3E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	2.9E-09	2.2E-08	4.1E-08	2.6E-09	1.2E-08	2.8E-09	2.6E-09	2.6E-09	1.5E-05	7.3E-08	9.3E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	6.4E-08	4.8E-07	9.0E-07	5.6E-08	2.6E-07	6.0E-08	5.6E-08	5.6E-08	3.4E-04	1.6E-06	2.0E-07
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	6.4E-08	4.8E-07	9.0E-07	5.6E-08	2.6E-07	6.0E-08	5.6E-08	5.6E-08	3.4E-04	1.6E-06	2.0E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-693	SB-693	SB-693A	SB-693A	SB-693A	SB-693B	SB-693B	SB-693B	SB-693D	SB-693D	SB-693D
SAMPLE ID	G-SB-693-8	G-SB-693-9	G-SB-693A-4	G-SB-693A-6	G-SB-693A-8	G-SB-693B-4	G-SB-693B-6	G-SB-693B-8	G-SB-693D-4	G-SB-693D-6	G-SB-693D-8
SAMPLE DATE	20091001	20091001	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	8	9	4	6	8	4	6	8	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	9.3E-09	1.9E-07	1.3E-06	8.4E-07	2.7E-07	8.1E-08	4.9E-08	5.3E-08	2.7E-06	2.2E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	9.3E-09	1.9E-07	1.3E-06	8.4E-07	2.7E-07	8.1E-08	4.9E-08	5.3E-08	2.7E-06	2.2E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	2.0E-07	4.1E-06	2.9E-05	1.8E-05	5.8E-06	1.8E-06	1.1E-06	1.2E-06	5.9E-05	4.9E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	2.0E-07	4.1E-06	2.9E-05	1.8E-05	5.8E-06	1.8E-06	1.1E-06	1.2E-06	5.9E-05	4.9E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-693D	SB-693D	SB-694	SB-694	SB-695	SB-695	SB-695	SB-695	SB-696	SB-696	SB-697
SAMPLE ID	G-SB-693D-8-AVG	G-SB-693D-8-D	G-SB-694-5	G-SB-694-6	G-SB-695-5	G-SB-695-5-AVG	G-SB-695-5-D	G-SB-695-6	G-SB-696-5	G-SB-696-6	G-SB-697-10
SAMPLE DATE	20091027	20091027	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20091001	20090930
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	8	5	6	5	5	5	6	5	6	10
BOTTOM DEPTH	8	8	5	6	5	5	5	6	5	6	10
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.2E-06	2.2E-06	6.8E-08	2.8E-09	1.7E-07	1.5E-07	1.3E-07	8.6E-08	1.5E-07	4.4E-07	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.2E-06	2.2E-06	6.8E-08	2.8E-09	1.7E-07	1.5E-07	1.3E-07	8.6E-08	1.5E-07	4.4E-07	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.7E-05	4.8E-05	1.5E-06	6.0E-08	3.7E-06	3.3E-06	2.9E-06	1.9E-06	3.2E-06	9.5E-06	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.7E-05	4.8E-05	1.5E-06	6.0E-08	3.7E-06	3.3E-06	2.9E-06	1.9E-06	3.2E-06	9.5E-06	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-697	SB-698	SB-698	SB-699	SB-699	SB-700	SB-700	SB-701	SB-701	SB-702	SB-702	SB-703
SAMPLE ID	G-SB-697-9	G-SB-698-10	G-SB-698-9	G-SB-699-3	G-SB-699-4	G-SB-700-3	G-SB-700-4	G-SB-701-3	G-SB-701-4	G-SB-702-3	G-SB-702-4	G-SB-703-7
SAMPLE DATE	20090930	20090930	20090930	20090929	20090929	20090929	20090929	20090929	20090929	20091007	20091007	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	10	9	3	4	3	4	3	4	3	4	7
BOTTOM DEPTH	9	10	9	3	4	3	4	3	4	3	4	7
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	6.2E-08	8.6E-09	4.7E-07	4.9E-08	5.9E-08	1.1E-07	2.3E-07	2.2E-07	2.6E-09	1.1E-08	2.8E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	6.2E-08	8.6E-09	4.7E-07	4.9E-08	5.9E-08	1.1E-07	2.3E-07	2.2E-07	2.6E-09	1.1E-08	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	1.3E-06	1.9E-07	1.0E-05	1.1E-06	1.3E-06	2.5E-06	5.1E-06	4.9E-06	5.6E-08	2.3E-07	6.0E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	1.3E-06	1.9E-07	1.0E-05	1.1E-06	1.3E-06	2.5E-06	5.1E-06	4.9E-06	5.6E-08	2.3E-07	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-703	SB-704	SB-704	SB-704	SB-704	SB-704	SB-704	SB-704	SB-704	SB-705	SB-705	SB-706
SAMPLE ID	G-SB-703-8	G-SB-704-10	G-SB-704-3	G-SB-704-4	G-SB-704-5	G-SB-704-6	G-SB-704-7	G-SB-704-8	G-SB-704-9	G-SB-705-3	G-SB-705-4	G-SB-706-10
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	10	3	4	5	6	7	8	9	3	4	10
BOTTOM DEPTH	8	10	3	4	5	6	7	8	9	3	4	10
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.8E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	6.0E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-706	SB-707	SB-707	SB-708
SAMPLE ID	G-SB-706-3	G-SB-706-4	G-SB-706-5	G-SB-706-6	G-SB-706-6-AVG	G-SB-706-6-D	G-SB-706-7	G-SB-706-8	G-SB-706-9	G-SB-707-3	G-SB-707-4	G-SB-708-3
SAMPLE DATE	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20090922	20091007
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	5	6	6	6	7	8	9	3	4	3
BOTTOM DEPTH	3	4	5	6	6	6	7	8	9	3	4	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.9E-08	2.6E-09	2.6E-09	2.6E-09	2.7E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	1.9E-06
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.9E-08	2.6E-09	2.6E-09	2.6E-09	2.7E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	1.9E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.5E-06	5.6E-08	5.6E-08	5.6E-08	5.8E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	4.1E-05
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.5E-06	5.6E-08	5.6E-08	5.6E-08	5.8E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	4.1E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-708	SB-708	SB-708	SB-708	SB-709	SB-709	SB-710	SB-710	SB-710	SB-710	SB-712	SB-712
SAMPLE ID	G-SB-708-4	G-SB-708-5	G-SB-708-6	G-SB-708-7	G-SB-709-3	G-SB-709-4	G-SB-710-3	G-SB-710-4	G-SB-710-4-AVG	G-SB-710-4-D	G-SB-712-3	G-SB-712-4
SAMPLE DATE	20091007	20091007	20091007	20091007	20090923	20090923	20090923	20090923	20090923	20090923	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	3	4	3	4	4	4	3	4
BOTTOM DEPTH	4	5	6	7	3	4	3	4	4	4	3	4
INDUSTRIAL												
BAP EQUIVALENT-HALFND	9.8E-06	3.1E-07	2.8E-09	2.6E-09	1.8E-07	2.8E-09	8.3E-08	2.8E-09	2.8E-09	2.8E-09	2.4E-09	2.6E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.8E-06	3.1E-07	2.8E-09	2.6E-09	1.8E-07	2.8E-09	8.3E-08	2.8E-09	2.8E-09	2.8E-09	2.4E-09	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.1E-04	6.8E-06	6.0E-08	5.6E-08	3.8E-06	6.0E-08	1.8E-06	6.0E-08	6.0E-08	6.0E-08	5.3E-08	5.6E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.1E-04	6.8E-06	6.0E-08	5.6E-08	3.8E-06	6.0E-08	1.8E-06	6.0E-08	6.0E-08	6.0E-08	5.3E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-713	SB-713	SB-714	SB-714	SB-714	SB-714	SB-714	SB-714	SB-714	SB-715	SB-715	SB-716
SAMPLE ID	G-SB-713-3	G-SB-713-4	G-SB-714-3	G-SB-714-4	G-SB-714-5	G-SB-714-6	G-SB-714-6-AVG	G-SB-714-6-D	G-SB-714-7	G-SB-715-3	G-SB-715-4	G-SB-716-10
SAMPLE DATE	20090922	20090922	20091008	20091008	20091008	20091008	20091008	20091008	20091008	20090923	20090923	20090923
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	5	6	6	6	7	3	4	10
BOTTOM DEPTH	3	4	3	4	5	6	6	6	7	3	4	10
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	2.8E-06	8.6E-06	1.6E-05	1.8E-04	9.4E-05	4.2E-06	8.3E-06	1.7E-07	7.9E-08	2.6E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.6E-09	2.8E-06	8.6E-06	1.6E-05	1.8E-04	9.4E-05	4.2E-06	8.3E-06	1.7E-07	7.9E-08	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	6.2E-05	1.9E-04	3.4E-04	4.0E-03	2.0E-03	9.1E-05	1.8E-04	3.6E-06	1.7E-06	5.6E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	5.6E-08	6.2E-05	1.9E-04	3.4E-04	4.0E-03	2.0E-03	9.1E-05	1.8E-04	3.6E-06	1.7E-06	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-716	SB-716	SB-716	SB-716	SB-716	SB-716	SB-717	SB-717	SB-718	SB-718	SB-719	SB-719	SB-720
SAMPLE ID	G-SB-716-3	G-SB-716-5	G-SB-716-6	G-SB-716-7	G-SB-716-8	G-SB-716-9	G-SB-717-3	G-SB-717-4	G-SB-718-3	G-SB-718-4	G-SB-719-3	G-SB-719-4	G-SB-720-3
SAMPLE DATE	20090923	20090923	20090923	20090923	20090923	20090923	20090922	20090922	20090922	20090922	20090922	20090922	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	6	7	8	9	3	4	3	4	3	4	3
BOTTOM DEPTH	3	5	6	7	8	9	3	4	3	4	3	4	3
INDUSTRIAL													
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.9E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	8.2E-06
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	2.8E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.9E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	8.2E-06
RESIDENTIAL													
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	6.4E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	1.8E-04
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	6.0E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	6.4E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	1.8E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-720	SB-720	SB-720	SB-720	SB-721	SB-721	SB-721	SB-721	SB-721	SB-722	SB-722	SB-723
SAMPLE ID	G-SB-720-4	G-SB-720-5	G-SB-720-6	G-SB-720-7	G-SB-721-3	G-SB-721-4	G-SB-721-5	G-SB-721-6	G-SB-721-7	G-SB-722-3	G-SB-722-4	G-SB-723-3
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20091008	20091008	20091008	20090923	20090923	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	3	4	5	6	7	3	4	3
BOTTOM DEPTH	4	5	6	7	3	4	5	6	7	3	4	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.1E-07	3.5E-08	4.0E-09	9.1E-09	1.7E-08	2.2E-06	3.8E-09	3.8E-09	4.0E-09	2.8E-08	4.9E-07	2.8E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.1E-07	3.5E-08	4.0E-09	9.1E-09	1.7E-08	2.2E-06	3.8E-09	3.8E-09	4.0E-09	2.8E-08	4.9E-07	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.3E-05	7.6E-07	8.6E-08	2.0E-07	3.7E-07	4.8E-05	8.3E-08	8.3E-08	8.6E-08	6.2E-07	1.1E-05	6.0E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.3E-05	7.6E-07	8.6E-08	2.0E-07	3.7E-07	4.8E-05	8.3E-08	8.3E-08	8.6E-08	6.2E-07	1.1E-05	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-723	SB-723	SB-723	SB-724	SB-724	SB-724	SB-724	SB-725	SB-725	SB-726	SB-726	SB-726
SAMPLE ID	G-SB-723-3-AVG	G-SB-723-3-D	G-SB-723-4	G-SB-724-3	G-SB-724-4	G-SB-724-6	G-SB-724-7	G-SB-725-3	G-SB-725-4	G-SB-726-10	G-SB-726-3	G-SB-726-4
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008	20091008
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	4	3	4	6	7	3	4	10	3	4
BOTTOM DEPTH	3	3	4	3	4	6	7	3	4	10	3	4
INDUSTRIAL												
BAP EQUIVALENT-HALFND	5.9E-09	9.0E-09	2.8E-09	1.1E-05	2.9E-06	1.6E-07	2.8E-09	2.6E-09	2.6E-09	3.8E-09	1.5E-05	3.6E-06
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.9E-09	9.0E-09	2.8E-09	1.1E-05	2.9E-06	1.6E-07	2.8E-09	2.6E-09	2.6E-09	3.8E-09	1.5E-05	3.6E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.3E-07	1.9E-07	6.0E-08	2.3E-04	6.3E-05	3.5E-06	6.0E-08	5.6E-08	5.6E-08	8.3E-08	3.2E-04	7.8E-05
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.3E-07	1.9E-07	6.0E-08	2.3E-04	6.3E-05	3.5E-06	6.0E-08	5.6E-08	5.6E-08	8.3E-08	3.2E-04	7.8E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-726	SB-726	SB-726	SB-726	SB-726	SB-727	SB-727	SB-727	SB-727	SB-727	SB-728	SB-728	SB-729
SAMPLE ID	G-SB-726-5	G-SB-726-6	G-SB-726-7	G-SB-726-8	G-SB-726-9	G-SB-727-3	G-SB-727-4	G-SB-727-5	G-SB-727-6	G-SB-727-7	G-SB-728-3	G-SB-728-4	G-SB-729-3
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	6	7	8	9	3	4	5	6	7	3	4	3
BOTTOM DEPTH	5	6	7	8	9	3	4	5	6	7	3	4	3
INDUSTRIAL													
BAP EQUIVALENT-HALFND	8.5E-09	3.8E-09	4.2E-09	3.8E-09	1.6E-08	2.0E-06	1.0E-07	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	3.3E-06
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	8.5E-09	3.8E-09	4.2E-09	3.8E-09	1.6E-08	2.0E-06	1.0E-07	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	3.3E-06
RESIDENTIAL													
BAP EQUIVALENT-HALFND	1.8E-07	8.3E-08	9.0E-08	8.3E-08	3.4E-07	4.3E-05	2.2E-06	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	7.2E-05
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.8E-07	8.3E-08	9.0E-08	8.3E-08	3.4E-07	4.3E-05	2.2E-06	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	7.2E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-729	SB-729	SB-729	SB-729	SB-730	SB-730	SB-731	SB-731	SB-732	SB-732	SB-732	SB-732	SB-732
SAMPLE ID	G-SB-729-4	G-SB-729-5	G-SB-729-6	G-SB-729-7	G-SB-730-4	G-SB-730-5	G-SB-731-3	G-SB-731-4	G-SB-732-3	G-SB-732-4	G-SB-732-5	G-SB-732-6	G-SB-732-7
SAMPLE DATE	20090924	20090924	20090924	20090924	20090924	20090924	20090923	20090923	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	5	6	7	4	5	3	4	3	4	5	6	7
BOTTOM DEPTH	4	5	6	7	4	5	3	4	3	4	5	6	7
INDUSTRIAL													
BAP EQUIVALENT-HALFND	2.1E-07	1.2E-08	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.4E-09	2.8E-09	2.6E-06	2.3E-07	3.8E-09	1.7E-08	3.8E-09
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	2.1E-07	1.2E-08	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.4E-09	2.8E-09	2.6E-06	2.3E-07	3.8E-09	1.7E-08	3.8E-09
RESIDENTIAL													
BAP EQUIVALENT-HALFND	4.5E-06	2.6E-07	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.3E-08	6.0E-08	5.7E-05	4.9E-06	8.3E-08	3.7E-07	8.3E-08
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	4.5E-06	2.6E-07	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.3E-08	6.0E-08	5.7E-05	4.9E-06	8.3E-08	3.7E-07	8.3E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-733	SB-733	SB-734	SB-734	SB-735	SB-735	SB-735	SB-735	SB-735	SB-735	SB-735A	SB-735A
SAMPLE ID	G-SB-733-3	G-SB-733-4	G-SB-734-6	G-SB-734-7	G-SB-735-3	G-SB-735-5	G-SB-735-5-AVG	G-SB-735-5-D	G-SB-735-7	G-SB-735-9	G-SB-735A-3	G-SB-735A-5
SAMPLE DATE	20090924	20090924	20090923	20090923	20091021	20091021	20091021	20091021	20091021	20091103	20091112	20091112
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	6	7	3	5	5	5	7	9	3	5
BOTTOM DEPTH	3	4	6	7	3	5	5	5	7	9	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.6E-09	2.8E-09	7.3E-07	1.3E-05	2.9E-05	4.5E-05	1.2E-05	9.2E-07	9.7E-06	2.0E-04
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.6E-09	2.8E-09	7.3E-07	1.3E-05	2.9E-05	4.5E-05	1.2E-05	9.2E-07	9.7E-06	2.0E-04
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	5.6E-08	6.0E-08	1.6E-05	2.9E-04	6.4E-04	9.9E-04	2.7E-04	2.0E-05	2.1E-04	4.3E-03
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	6.0E-08	5.6E-08	6.0E-08	1.6E-05	2.9E-04	6.4E-04	9.9E-04	2.7E-04	2.0E-05	2.1E-04	4.3E-03

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-735A	SB-735B	SB-735B	SB-735B	SB-735B	SB-735B	SB-735B	SB-735C	SB-735C	SB-735C	SB-736
SAMPLE ID	G-SB-735A-9	G-SB-735B-3	G-SB-735B-5	G-SB-735B-7	G-SB-735B-7-AVG	G-SB-735B-7-D	G-SB-735B-9	G-SB-735C-3	G-SB-735C-5	G-SB-735C-7	G-SB-736-3
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	7	7	9	3	5	7	3
BOTTOM DEPTH	9	3	5	7	7	7	9	3	5	7	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	4.5E-07	1.0E-07	6.5E-08	3.3E-08	4.2E-08	5.1E-08	5.4E-08	6.4E-08	2.6E-07	2.4E-07	2.9E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.5E-07	1.0E-07	6.5E-08	3.3E-08	4.2E-08	5.1E-08	5.4E-08	6.4E-08	2.6E-07	2.4E-07	2.9E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND	9.8E-06	2.2E-06	1.4E-06	7.1E-07	9.1E-07	1.1E-06	1.2E-06	1.4E-06	5.5E-06	5.3E-06	6.4E-04
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	9.8E-06	2.2E-06	1.4E-06	7.1E-07	9.1E-07	1.1E-06	1.2E-06	1.4E-06	5.5E-06	5.3E-06	6.4E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-736B	SB-736B	SB-736B	SB-736B	SB-736C	SB-736C	SB-736C	SB-736C	SB-737	SB-737	SB-737	SB-738
SAMPLE ID	G-SB-736B-3	G-SB-736B-5	G-SB-736B-7	G-SB-736B-9	G-SB-736C-3	G-SB-736C-5	G-SB-736C-7	G-SB-736C-9	G-SB-737-3	G-SB-737-5	G-SB-737-7	G-SB-738-4
SAMPLE DATE	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091112	20091021	20091021	20091021	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3	5	7	4
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3	5	7	4
INDUSTRIAL												
BAP EQUIVALENT-HALFND	4.6E-06	1.1E-06	3.2E-08	2.8E-09	2.4E-07	6.7E-07	2.6E-09	9.5E-08	2.8E-09	2.6E-09	2.6E-09	3.6E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	4.6E-06	1.1E-06	3.2E-08	2.8E-09	2.4E-07	6.7E-07	2.6E-09	9.5E-08	2.8E-09	2.6E-09	2.6E-09	3.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	9.9E-05	2.4E-05	7.0E-07	6.0E-08	5.1E-06	1.4E-05	5.6E-08	2.1E-06	6.0E-08	5.6E-08	5.6E-08	7.9E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	9.9E-05	2.4E-05	7.0E-07	6.0E-08	5.1E-06	1.4E-05	5.6E-08	2.1E-06	6.0E-08	5.6E-08	5.6E-08	7.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-738	SB-738	SB-739	SB-739	SB-739	SB-740	SB-740	SB-740	SB-741	SB-741	SB-741	SB-742	SB-742
SAMPLE ID	G-SB-738-6	G-SB-738-8	G-SB-739-4	G-SB-739-6	G-SB-739-8	G-SB-740-4	G-SB-740-6	G-SB-740-8	G-SB-741-4	G-SB-741-6	G-SB-741-8	G-SB-742-4	G-SB-742-6
SAMPLE DATE	20091008	20091008	20091008	20091008	20091008	20091008	20091008	20091008	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	8	4	6	8	4	6	8	4	6	8	4	6
BOTTOM DEPTH	6	8	4	6	8	4	6	8	4	6	8	4	6
INDUSTRIAL													
BAP EQUIVALENT-HALFND	4.0E-09	3.8E-09	3.8E-09	3.8E-09	4.0E-09	3.8E-09	3.8E-09	3.6E-09	3.8E-09	1.0E-08	3.8E-09	4.0E-08	1.5E-08
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	4.0E-09	3.8E-09	3.8E-09	3.8E-09	4.0E-09	3.8E-09	3.8E-09	3.6E-09	3.8E-09	1.0E-08	3.8E-09	4.0E-08	1.5E-08
RESIDENTIAL													
BAP EQUIVALENT-HALFND	8.6E-08	8.3E-08	8.3E-08	8.3E-08	8.6E-08	8.3E-08	8.3E-08	7.9E-08	8.3E-08	2.2E-07	8.3E-08	8.6E-07	3.3E-07
NAPHTHALENE													
AROCLOR-1260													
ARSENIC													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	8.6E-08	8.3E-08	8.3E-08	8.3E-08	8.6E-08	8.3E-08	8.3E-08	7.9E-08	8.3E-08	2.2E-07	8.3E-08	8.6E-07	3.3E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-742	SB-743	SB-743	SB-743	SB-744	SB-744	SB-744	SB-745	SB-745	SB-745	SB-745	SB-745
SAMPLE ID	G-SB-742-8	G-SB-743-4	G-SB-743-6	G-SB-743-8	G-SB-744-4	G-SB-744-6	G-SB-744-8	G-SB-745-4	G-SB-745-4-AVG	G-SB-745-4-D	G-SB-745-6	G-SB-745-8
SAMPLE DATE	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	4	6	8	4	6	8	4	4	4	6	8
BOTTOM DEPTH	8	4	6	8	4	6	8	4	4	4	6	8
INDUSTRIAL												
BAP EQUIVALENT-HALFND	3.8E-09	3.8E-09	3.8E-09	3.8E-09	4.0E-09	4.0E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	1.9E-07	3.8E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.8E-09	3.8E-09	3.8E-09	3.8E-09	4.0E-09	4.0E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	1.9E-07	3.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.6E-08	8.6E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	4.2E-06	8.3E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.3E-08	8.3E-08	8.3E-08	8.3E-08	8.6E-08	8.6E-08	8.3E-08	8.3E-08	8.3E-08	8.3E-08	4.2E-06	8.3E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-745A	SB-745B	SB-745C	SB-746	SB-746	SB-746	SB-747	SB-747	SB-747	SB-748	SB-748	SB-748
SAMPLE ID	G-SB-745A-4	G-SB-745B-4	G-SB-745C-4	G-SB-746-4	G-SB-746-6	G-SB-746-8	G-SB-747-4	G-SB-747-6	G-SB-747-8	G-SB-748-4	G-SB-748-6	G-SB-748-8
SAMPLE DATE	20091021	20091021	20091021	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009	20091009
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	4	4	4	6	8	4	6	8	4	6	8
BOTTOM DEPTH	4	4	4	4	6	8	4	6	8	4	6	8
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.9E-09	2.9E-09	3.8E-09	3.8E-09	3.8E-09	3.6E-09	3.8E-09	3.8E-09	8.5E-09	3.8E-09	3.8E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	2.9E-09	2.9E-09	3.8E-09	3.8E-09	3.8E-09	3.6E-09	3.8E-09	3.8E-09	8.5E-09	3.8E-09	3.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	6.4E-08	6.4E-08	8.3E-08	8.3E-08	8.3E-08	7.9E-08	8.3E-08	8.3E-08	1.8E-07	8.3E-08	8.3E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	6.4E-08	6.4E-08	8.3E-08	8.3E-08	8.3E-08	7.9E-08	8.3E-08	8.3E-08	1.8E-07	8.3E-08	8.3E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-749	SB-749	SB-750	SB-750	SB-751	SB-751	SB-752	SB-752	SB-752	SB-752	SB-753	SB-753
SAMPLE ID	G-SB-749-4	G-SB-749-6	G-SB-750-4	G-SB-750-6	G-SB-751-4	G-SB-751-6	G-SB-752-4	G-SB-752-6	G-SB-752-6-AVG	G-SB-752-6-D	G-SB-753-4	G-SB-753-6
SAMPLE DATE	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021	20091021
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	4	6	4	6	4	6	6	6	4	6
BOTTOM DEPTH	4	6	4	6	4	6	4	6	6	6	4	6
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.4E-09	2.6E-09	1.3E-07	2.8E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.4E-09	2.6E-09	1.3E-07	2.8E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.3E-08	5.6E-08	2.9E-06	6.0E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.3E-08	5.6E-08	2.9E-06	6.0E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-754	SB-754	SB-755	SB-755	SB-755	SB-755	SB-756	SB-756	SB-757	SB-757	SB-758	SB-758
SAMPLE ID	G-SB-754-4	G-SB-754-6	G-SB-755-4	G-SB-755-6	G-SB-755-6-AVG	G-SB-755-6-D	G-SB-756-4	G-SB-756-6	G-SB-757-4	G-SB-757-6	G-SB-758-4	G-SB-758-6
SAMPLE DATE	20091021	20091021	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103	20091103
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	6	4	6	6	6	4	6	4	6	4	6
BOTTOM DEPTH	4	6	4	6	6	6	4	6	4	6	4	6
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.6E-09	5.2E-08	5.2E-08	2.8E-08	2.6E-09	2.6E-09	1.3E-05	2.8E-09	2.6E-09	2.8E-09
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.6E-09	5.2E-08	5.2E-08	2.8E-08	2.6E-09	2.6E-09	1.3E-05	2.8E-09	2.6E-09	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	5.6E-08	1.1E-06	1.1E-06	6.0E-07	5.6E-08	5.6E-08	2.8E-04	6.0E-08	5.6E-08	6.0E-08
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	6.0E-08	5.6E-08	1.1E-06	1.1E-06	6.0E-07	5.6E-08	5.6E-08	2.8E-04	6.0E-08	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-759	SB-759	SB-759	SB-760	SB-760	SB-760	SB-761	SB-761	SB-761	SB-761	SB-761A	SB-761A
SAMPLE ID	G-SB-759-3	G-SB-759-5	G-SB-759-7	G-SB-760-3	G-SB-760-5	G-SB-760-7	G-SB-761-3	G-SB-761-5	G-SB-761-7	G-SB-761-9	G-SB-761A-3	G-SB-761A-5
SAMPLE DATE	20091113	20091113	20091113	20091113	20091113	20091113	20090930	20090930	20090930	20090930	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	3	5	7	3	5	7	9	3	5
BOTTOM DEPTH	3	5	7	3	5	7	3	5	7	9	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	6.6E-06	2.9E-09	4.5E-08	4.2E-06	1.5E-06	2.8E-09	2.6E-09	1.0E-07	2.8E-09	2.4E-05	8.1E-08	1.2E-05
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.6E-06	2.9E-09	4.5E-08	4.2E-06	1.5E-06	2.8E-09	2.6E-09	1.0E-07	2.8E-09	2.4E-05	8.1E-08	1.2E-05
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.4E-04	6.4E-08	9.8E-07	9.1E-05	3.3E-05	6.0E-08	5.6E-08	2.3E-06	6.0E-08	5.3E-04	1.7E-06	2.6E-04
NAPHTHALENE												
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.4E-04	6.4E-08	9.8E-07	9.1E-05	3.3E-05	6.0E-08	5.6E-08	2.3E-06	6.0E-08	5.3E-04	1.7E-06	2.6E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-761A	SB-761A	SB-761B	SB-761B	SB-761B	SB-761B	SB-761B	SB-761B	SB-761C	SB-761C	SB-761C
SAMPLE ID	G-SB-761A-7	G-SB-761A-9	G-SB-761B-3	G-SB-761B-3-AVG	G-SB-761B-3-D	G-SB-761B-5	G-SB-761B-7	G-SB-761B-9	G-SB-761C-3	G-SB-761C-5	G-SB-761C-7
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	3	3	5	7	9	3	5	7
BOTTOM DEPTH	7	9	3	3	3	5	7	9	3	5	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	5.2E-08	9.1E-06	2.7E-07	3.5E-07	4.4E-07	2.0E-07	9.2E-08	4.8E-06	5.4E-08	9.7E-07	9.2E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.2E-08	9.1E-06	2.7E-07	3.5E-07	4.4E-07	2.0E-07	9.2E-08	4.8E-06	5.4E-08	9.7E-07	9.2E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.1E-06	2.0E-04	5.9E-06	7.7E-06	9.5E-06	4.4E-06	2.0E-06	1.0E-04	1.2E-06	2.1E-05	2.0E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-06	2.0E-04	5.9E-06	7.7E-06	9.5E-06	4.4E-06	2.0E-06	1.0E-04	1.2E-06	2.1E-05	2.0E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-761C	SB-761D	SB-761D	SB-761D	SB-761D	SB-761D	SB-761D	SB-762	SB-762	SB-762	SB-762
SAMPLE ID	G-SB-761C-9	G-SB-761D-3	G-SB-761D-5	G-SB-761D-7	G-SB-761D-7-AVG	G-SB-761D-7-D	G-SB-761D-9	G-SB-762-3	G-SB-762-5	G-SB-762-7	G-SB-762-9
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	7	7	9	3	5	7	9
BOTTOM DEPTH	9	3	5	7	7	7	9	3	5	7	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.2E-07	6.0E-08	1.4E-06	2.8E-09	2.7E-09	2.6E-09	9.7E-05	2.6E-09	1.2E-06	6.5E-08	1.3E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.2E-07	6.0E-08	1.4E-06	2.8E-09	2.7E-09	2.6E-09	9.7E-05	2.6E-09	1.2E-06	6.5E-08	1.3E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	4.8E-06	1.3E-06	2.9E-05	6.0E-08	5.8E-08	5.6E-08	2.1E-03	5.6E-08	2.7E-05	1.4E-06	2.7E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.8E-06	1.3E-06	2.9E-05	6.0E-08	5.8E-08	5.6E-08	2.1E-03	5.6E-08	2.7E-05	1.4E-06	2.7E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-762A	SB-762A	SB-762A	SB-762A	SB-762B	SB-762B	SB-762B	SB-762B	SB-762C	SB-762C	SB-762C
SAMPLE ID	G-SB-762A-3	G-SB-762A-5	G-SB-762A-7	G-SB-762A-9	G-SB-762B-3	G-SB-762B-5	G-SB-762B-7	G-SB-762B-9	G-SB-762C-3	G-SB-762C-5	G-SB-762C-7
SAMPLE DATE	20091022	20091022	20091022	20091022	20091023	20091023	20091023	20091023	20091022	20091022	20091022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3	5	7
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3	5	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.0E-09	4.9E-08	3.9E-08	4.7E-05	2.6E-09	2.8E-09	2.8E-09	4.5E-07	2.6E-09	2.2E-06	1.5E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-09	4.9E-08	3.9E-08	4.7E-05	2.6E-09	2.8E-09	2.8E-09	4.5E-07	2.6E-09	2.2E-06	1.5E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.3E-07	1.1E-06	8.5E-07	1.0E-03	5.6E-08	6.0E-08	6.0E-08	9.7E-06	5.6E-08	4.7E-05	3.3E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.3E-07	1.1E-06	8.5E-07	1.0E-03	5.6E-08	6.0E-08	6.0E-08	9.7E-06	5.6E-08	4.7E-05	3.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D	SB-762D	SB-763	SB-763	SB-763	SB-763	SB-763
SAMPLE ID	G-SB-762D-3	G-SB-762D-5	G-SB-762D-7	G-SB-762D-7-AVG	G-SB-762D-7-D	G-SB-762D-9	G-SB-763-3	G-SB-763-3-AVG	G-SB-763-3-D	G-SB-763-5	G-SB-763-7
SAMPLE DATE	20091022	20091022	20091022	20091022	20091022	20091022	20091001	20091001	20091001	20091001	20091001
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	7	7	9	3	3	3	5	7
BOTTOM DEPTH	3	5	7	7	7	9	3	3	3	5	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	8.3E-07	2.8E-09	2.8E-09	2.8E-09	1.7E-05	5.6E-08	3.4E-08	1.2E-08	3.3E-07	7.8E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	8.3E-07	2.8E-09	2.8E-09	2.8E-09	1.7E-05	5.6E-08	3.4E-08	1.2E-08	3.3E-07	7.8E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	1.8E-05	6.0E-08	6.0E-08	6.0E-08	3.8E-04	1.2E-06	7.3E-07	2.5E-07	7.3E-06	1.7E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	1.8E-05	6.0E-08	6.0E-08	6.0E-08	3.8E-04	1.2E-06	7.3E-07	2.5E-07	7.3E-06	1.7E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-763	SB-763A	SB-763A	SB-763A	SB-763A	SB-763B	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C
SAMPLE ID	G-SB-763-9	G-SB-763A-3	G-SB-763A-5	G-SB-763A-7	G-SB-763A-9	G-SB-763B-3	G-SB-763B-5	G-SB-763B-7	G-SB-763B-9	G-SB-763C-3	G-SB-763C-5
SAMPLE DATE	20091001	20091023	20091023	20091023	20091023	20091027	20091027	20091027	20091027	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.5E-08	6.0E-09	4.1E-08	2.8E-09	5.3E-06	2.6E-09	5.4E-05	6.0E-09	9.4E-07	5.8E-08	3.2E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-08	6.0E-09	4.1E-08	2.8E-09	5.3E-06	2.6E-09	5.4E-05	6.0E-09	9.4E-07	5.8E-08	3.2E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND	3.2E-07	1.3E-07	8.9E-07	6.0E-08	1.2E-04	5.6E-08	1.2E-03	1.3E-07	2.0E-05	1.2E-06	6.8E-04
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.2E-07	1.3E-07	8.9E-07	6.0E-08	1.2E-04	5.6E-08	1.2E-03	1.3E-07	2.0E-05	1.2E-06	6.8E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-763C	SB-763C	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-763D	SB-764	SB-764	SB-764
SAMPLE ID	G-SB-763C-7	G-SB-763C-9	G-SB-763D-3	G-SB-763D-5	G-SB-763D-7	G-SB-763D-7-AVG	G-SB-763D-7-D	G-SB-763D-9	G-SB-764-3	G-SB-764-5	G-SB-764-5-AVG
SAMPLE DATE	20091023	20091023	20091023	20091023	20091023	20091023	20091023	20091023	20091002	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	7	7	9	3	5	5
BOTTOM DEPTH	7	9	3	5	7	7	7	9	3	5	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	8.3E-08	1.6E-05	2.8E-09	1.2E-07	2.8E-09	2.8E-09	2.8E-09	9.6E-09	4.3E-07	4.8E-06	6.4E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.3E-08	1.6E-05	2.8E-09	1.2E-07	2.8E-09	2.8E-09	2.8E-09	9.6E-09	4.3E-07	4.8E-06	6.4E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.8E-06	3.5E-04	6.0E-08	2.5E-06	6.0E-08	6.0E-08	6.0E-08	2.1E-07	9.3E-06	1.0E-04	1.4E-04
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.8E-06	3.5E-04	6.0E-08	2.5E-06	6.0E-08	6.0E-08	6.0E-08	2.1E-07	9.3E-06	1.0E-04	1.4E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-764	SB-764	SB-764	SB-764A	SB-764A	SB-764A	SB-764A	SB-764B	SB-764B	SB-764B	SB-764B
SAMPLE ID	G-SB-764-5-D	G-SB-764-7	G-SB-764-9	G-SB-764A-3	G-SB-764A-5	G-SB-764A-7	G-SB-764A-9	G-SB-764B-3	G-SB-764B-5	G-SB-764B-5-AVG	G-SB-764B-5-D
SAMPLE DATE	20091002	20091002	20091002	20091027	20091027	20091027	20091027	20091113	20091113	20091113	20091113
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	9	3	5	5	5
BOTTOM DEPTH	5	7	9	3	5	7	9	3	5	5	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	8.0E-06	2.6E-09	4.5E-06	2.8E-09	1.5E-07	2.6E-09	7.3E-06	3.3E-07	2.6E-07	3.1E-07	3.7E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.0E-06	2.6E-09	4.5E-06	2.8E-09	1.5E-07	2.6E-09	7.3E-06	3.3E-07	2.6E-07	3.1E-07	3.7E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.7E-04	5.6E-08	9.8E-05	6.0E-08	3.3E-06	5.6E-08	1.6E-04	7.2E-06	5.7E-06	6.8E-06	8.0E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.7E-04	5.6E-08	9.8E-05	6.0E-08	3.3E-06	5.6E-08	1.6E-04	7.2E-06	5.7E-06	6.8E-06	8.0E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-764C	SB-764C	SB-764C	SB-764C	SB-764D	SB-764D	SB-764D	SB-764D	SB-764D	SB-764D	SB-765
SAMPLE ID	G-SB-764C-3	G-SB-764C-5	G-SB-764C-7	G-SB-764C-9	G-SB-764D-3	G-SB-764D-3-AVG	G-SB-764D-3-D	G-SB-764D-5	G-SB-764D-7	G-SB-764D-9	G-SB-765-3
SAMPLE DATE	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091027	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	3	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	3	3	5	7	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	5.3E-08	2.4E-05	7.8E-07	5.9E-05	3.9E-08	4.2E-08	4.4E-08	7.5E-05	1.7E-06	4.1E-05	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.3E-08	2.4E-05	7.8E-07	5.9E-05	3.9E-08	4.2E-08	4.4E-08	7.5E-05	1.7E-06	4.1E-05	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.1E-06	5.3E-04	1.7E-05	1.3E-03	8.5E-07	9.0E-07	9.6E-07	1.6E-03	3.8E-05	8.8E-04	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-06	5.3E-04	1.7E-05	1.3E-03	8.5E-07	9.0E-07	9.6E-07	1.6E-03	3.8E-05	8.8E-04	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-765	SB-765	SB-765	SB-765A	SB-765A	SB-765A	SB-765B	SB-765B	SB-765B	SB-765C	SB-765C
SAMPLE ID	G-SB-765-5	G-SB-765-7	G-SB-765-9	G-SB-765A-3	G-SB-765A-5	G-SB-765A-7	G-SB-765B-3	G-SB-765B-5	G-SB-765B-7	G-SB-765C-3	G-SB-765C-5
SAMPLE DATE	20091002	20091002	20091002	20091028	20091028	20091028	20091113	20091113	20091113	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	3	5	7	3	5
BOTTOM DEPTH	5	7	9	3	5	7	3	5	7	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.4E-06	2.6E-09	2.3E-07	3.7E-07	1.1E-06	8.5E-09	2.7E-07	9.7E-08	2.8E-07	1.3E-07	3.4E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.4E-06	2.6E-09	2.3E-07	3.7E-07	1.1E-06	8.5E-09	2.7E-07	9.7E-08	2.8E-07	1.3E-07	3.4E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND	3.0E-05	5.6E-08	5.0E-06	7.9E-06	2.5E-05	1.9E-07	5.9E-06	2.1E-06	6.0E-06	2.9E-06	7.5E-04
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.0E-05	5.6E-08	5.0E-06	7.9E-06	2.5E-05	1.9E-07	5.9E-06	2.1E-06	6.0E-06	2.9E-06	7.5E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-765C	SB-765D	SB-765D	SB-765D	SB-803	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804
SAMPLE ID	G-SB-765C-7	G-SB-765D-3	G-SB-765D-5	G-SB-765D-7	G-SB-803-03	G-SB-803-05	G-SB-803-07	G-SB-803-09	G-SB-804-03	G-SB-804-05	G-SB-804-07
SAMPLE DATE	20091028	20091028	20091028	20091028	20100826	20100826	20100826	20100826	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	3	5	7	3	5	7	9	3	5	7
BOTTOM DEPTH	7	3	5	7	3	5	7	9	3	5	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	1.3E-07	1.0E-07	1.3E-05	1.8E-06	6.8E-09	1.2E-07	6.2E-09	5.0E-07	6.6E-09	9.9E-08	6.6E-09
NAPHTHALENE					8.4E-11	8.4E-11	7.8E-11	9.1E-11	8.2E-11	8.9E-11	8.2E-11
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.3E-07	1.0E-07	1.3E-05	1.8E-06	6.8E-09	1.2E-07	6.3E-09	5.0E-07	6.7E-09	9.9E-08	6.7E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	2.9E-06	2.2E-06	2.9E-04	3.9E-05	1.5E-07	2.5E-06	1.4E-07	1.1E-05	1.4E-07	2.1E-06	1.4E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.9E-06	2.2E-06	2.9E-04	3.9E-05	1.5E-07	2.5E-06	1.4E-07	1.1E-05	1.4E-07	2.1E-06	1.4E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-804	SB-805	SB-805	SB-806	SB-806	SB-806	SB-806	SB-806	SB-806	SB-807
SAMPLE ID	G-SB-804-09	G-SB-805-07	G-SB-805-09	G-SB-806-03	G-SB-806-05	G-SB-806-07	G-SB-806-07-AVG	G-SB-806-07-D	G-SB-806-09	G-SB-807-03
SAMPLE DATE	20100823	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100824	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	7	9	3	5	7	7	7	9	3
BOTTOM DEPTH	9	7	9	3	5	7	7	7	9	3
INDUSTRIAL										
BAP EQUIVALENT-HALFND	5.0E-06	6.9E-09	2.1E-07	7.3E-09	2.3E-07	6.6E-09	6.8E-09	7.1E-09	5.3E-05	6.4E-09
NAPHTHALENE	3.5E-10	8.7E-11	9.5E-11	9.1E-11	8.2E-11	8.2E-11	8.6E-11	8.9E-11	2.2E-08	8.0E-11
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.0E-06	7.0E-09	2.1E-07	7.4E-09	2.3E-07	6.7E-09	6.9E-09	7.2E-09	5.3E-05	6.5E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	1.1E-04	1.5E-07	4.5E-06	1.6E-07	5.0E-06	1.4E-07	1.5E-07	1.5E-07	1.1E-03	1.4E-07
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.1E-04	1.5E-07	4.5E-06	1.6E-07	5.0E-06	1.4E-07	1.5E-07	1.5E-07	1.1E-03	1.4E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-807	SB-807	SB-807	SB-807	SB-807	SB-808	SB-808	SB-808	SB-808	SB-809	SB-809
SAMPLE ID	G-SB-807-03-AVG	G-SB-807-03-D	G-SB-807-05	G-SB-807-07	G-SB-807-09	G-SB-808-03	G-SB-808-05	G-SB-808-07	G-SB-808-09	G-SB-809-03	G-SB-809-05
SAMPLE DATE	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	3	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.3E-09	6.2E-09	6.6E-09	6.8E-09	1.8E-07	6.4E-09	7.0E-06	6.4E-09	3.0E-05	6.8E-09	2.5E-07
NAPHTHALENE	7.9E-11	7.8E-11	8.2E-11	8.4E-11	9.3E-11	8.0E-11	9.5E-10	8.0E-11	8.0E-10	8.4E-11	8.4E-11
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.4E-09	6.3E-09	6.7E-09	6.8E-09	1.8E-07	6.5E-09	7.0E-06	6.5E-09	3.0E-05	6.8E-09	2.5E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.4E-07	1.4E-07	1.4E-07	1.5E-07	3.8E-06	1.4E-07	1.5E-04	1.4E-07	6.4E-04	1.5E-07	5.3E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.4E-07	1.4E-07	1.4E-07	1.5E-07	3.8E-06	1.4E-07	1.5E-04	1.4E-07	6.4E-04	1.5E-07	5.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-809	SB-809	SB-810	SB-810	SB-810	SB-810	SB-811	SB-811	SB-811	SB-811	SB-811
SAMPLE ID	G-SB-809-07	G-SB-809-09	G-SB-810-03	G-SB-810-05	G-SB-810-07	G-SB-810-09	G-SB-811-05	G-SB-811-07	G-SB-811-07-AVG	G-SB-811-07-D	G-SB-811-09
SAMPLE DATE	20100825	20100825	20100823	20100823	20100823	20100823	20100823	20100823	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	5	7	7	7	9
BOTTOM DEPTH	7	9	3	5	7	9	5	7	7	7	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.8E-09	6.2E-07	1.9E-08	8.6E-07	3.7E-08	6.2E-08	6.7E-06	6.9E-09	6.8E-09	6.8E-09	2.0E-07
NAPHTHALENE	8.4E-11	8.4E-11	8.7E-11	8.9E-11	7.8E-11	9.1E-11	3.5E-10	8.7E-11	8.6E-11	8.4E-11	9.5E-11
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.8E-09	6.2E-07	1.9E-08	8.6E-07	3.7E-08	6.2E-08	6.7E-06	7.0E-09	6.9E-09	6.8E-09	2.0E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.5E-07	1.3E-05	4.1E-07	1.9E-05	8.1E-07	1.3E-06	1.4E-04	1.5E-07	1.5E-07	1.5E-07	4.3E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-07	1.3E-05	4.1E-07	1.9E-05	8.1E-07	1.3E-06	1.4E-04	1.5E-07	1.5E-07	1.5E-07	4.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-812	SB-812	SB-812	SB-812	SB-813	SB-813	SB-813	SB-813	G-TP-1	G-TP-1	G-TP-1
SAMPLE ID	G-SB-812-03	G-SB-812-05	G-SB-812-07	G-SB-812-09	G-SB-813-03	G-SB-813-05	G-SB-813-07	G-SB-813-09	G-TP-1-1-7-8	G-TP-1-5-2-3	G-TP-1-7-5-7
SAMPLE DATE	20100824	20100824	20100824	20100824	20100826	20100826	20100826	20100826	20100921	20100921	20100921
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	7	2	5
BOTTOM DEPTH	3	5	7	9	3	5	7	9	8	3	7
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.6E-09	2.3E-07	6.8E-09	2.7E-06	6.8E-09	6.9E-09	6.8E-09	3.7E-05	2.2E-07	6.6E-09	1.3E-07
NAPHTHALENE	8.2E-11	8.9E-11	8.4E-11	1.7E-09	8.4E-11	8.7E-11	8.4E-11	9.5E-09	8.9E-11	8.2E-11	8.7E-11
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.7E-09	2.3E-07	6.8E-09	2.7E-06	6.8E-09	7.0E-09	6.8E-09	3.7E-05	2.2E-07	6.7E-09	1.3E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.4E-07	4.9E-06	1.5E-07	5.9E-05	1.5E-07	1.5E-07	1.5E-07	7.9E-04	4.8E-06	1.4E-07	2.7E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.4E-07	4.9E-06	1.5E-07	5.9E-05	1.5E-07	1.5E-07	1.5E-07	7.9E-04	4.8E-06	1.4E-07	2.7E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	G-TP-2	G-TP-2	OW-5	OW-5	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091	SB-091
SAMPLE ID	G-TP-2-3-6-7	G-TP-2-8-5-6	OW-5-4	OW-5-6	G-SB-91RE-10	G-SB-91RE-3	G-SB-91RE-5	G-SB-91RE-6	G-SB-91RE-7	G-SB-91RE-8	G-SB-91RE-8-AVG
SAMPLE DATE	20100921	20100921	20071128	20071128	20090930	20090930	20090930	20090930	20090930	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	5	4	6	10	3	5	6	7	8	8
BOTTOM DEPTH	7	6	4	6	10	3	5	6	7	8	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	5.6E-06	5.4E-07			4.7E-07	8.0E-07	3.3E-07	2.8E-09	2.8E-09	2.8E-09	2.8E-09
NAPHTHALENE	3.8E-09	3.6E-10	1.2E-10	1.3E-10							
AROCLOR-1260			1.9E-08	1.9E-08							
ARSENIC			7.7E-07	6.6E-07							
COBALT			1.2E-09	5.9E-10							
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM			3.1E-07	2.2E-07							
TOTAL CANCER RISK	5.6E-06	5.4E-07	1.1E-06	9.0E-07	4.7E-07	8.0E-07	3.3E-07	2.8E-09	2.8E-09	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.2E-04	1.2E-05			1.0E-05	1.7E-05	7.1E-06	6.0E-08	6.0E-08	6.0E-08	6.0E-08
NAPHTHALENE			6.2E-10	6.4E-10							
AROCLOR-1260			9.4E-08	9.7E-08							
ARSENIC			6.0E-06	5.1E-06							
COBALT			6.2E-09	3.0E-09							
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM			4.7E-06	3.3E-06							
TOTAL CANCER RISK	1.2E-04	1.2E-05	1.1E-05	8.5E-06	1.0E-05	1.7E-05	7.1E-06	6.0E-08	6.0E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091A	SB-091B	SB-091B
SAMPLE ID	G-SB-91RE-8-D	G-SB-91RE-9	G-SB-91REA-3	G-SB-91REA-5	G-SB-91REA-7	G-SB-91REA-7-AVG	G-SB-91REA-7-D	G-SB-91REA-9	G-SB-91REB-3	G-SB-91REB-5
SAMPLE DATE	20090930	20090930	20091030	20091030	20091030	20091030	20091030	20091030	20091102	20091102
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	8	9	3	5	7	7	7	9	3	5
BOTTOM DEPTH	8	9	3	5	7	7	7	9	3	5
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.8E-09	1.0E-06	2.4E-09	6.0E-06	8.3E-08	9.3E-08	1.0E-07	1.3E-05	1.3E-07	2.6E-09
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.8E-09	1.0E-06	2.4E-09	6.0E-06	8.3E-08	9.3E-08	1.0E-07	1.3E-05	1.3E-07	2.6E-09
RESIDENTIAL										
BAP EQUIVALENT-HALFND	6.0E-08	2.2E-05	5.3E-08	1.3E-04	1.8E-06	2.0E-06	2.2E-06	2.8E-04	2.8E-06	5.6E-08
NAPHTHALENE										
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	6.0E-08	2.2E-05	5.3E-08	1.3E-04	1.8E-06	2.0E-06	2.2E-06	2.8E-04	2.8E-06	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-091B	SB-091B	SB-091C	SB-091C	SB-091C	SB-091C	SB-092	SB-092	SB-092	SB-092
SAMPLE ID	G-SB-91REB-7	G-SB-91REB-9	G-SB-91REC-3	G-SB-91REC-5	G-SB-91REC-7	G-SB-91REC-9	G-SB-92RE-10	G-SB-92RE-3	G-SB-92RE-4	G-SB-92RE-5
SAMPLE DATE	20091102	20091102	20091102	20091102	20091102	20091102	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	5	7	9	10	3	4	5
BOTTOM DEPTH	7	9	3	5	7	9	10	3	4	5
INDUSTRIAL										
BAP EQUIVALENT-HALFND	2.6E-09	1.2E-06	2.6E-09	2.6E-09	2.8E-09	1.5E-06	2.5E-07	7.5E-07	9.5E-08	3.1E-05
NAPHTHALENE										
AROCLOR-1260										
ARSENIC							1.2E-06	7.7E-07	1.5E-06	1.2E-06
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.6E-09	1.2E-06	2.6E-09	2.6E-09	2.8E-09	1.5E-06	1.4E-06	1.5E-06	1.6E-06	3.2E-05
RESIDENTIAL										
BAP EQUIVALENT-HALFND	5.6E-08	2.7E-05	5.6E-08	5.6E-08	6.0E-08	3.3E-05	5.4E-06	1.6E-05	2.1E-06	6.8E-04
NAPHTHALENE										
AROCLOR-1260										
ARSENIC							9.1E-06	6.0E-06	1.2E-05	9.1E-06
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.6E-08	2.7E-05	5.6E-08	5.6E-08	6.0E-08	3.3E-05	1.5E-05	2.2E-05	1.4E-05	6.9E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092C	SB-092C	SB-092C	SB-092C
SAMPLE ID	G-SB-92RE-6	G-SB-92RE-7	G-SB-92RE-7-AVG	G-SB-92RE-7-D	G-SB-92RE-8	G-SB-92RE-9	G-SB-92REC-3	G-SB-92REC-5	G-SB-92REC-7	G-SB-92REC-9
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20091102	20091102	20091102	20091102
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	7	7	8	9	3	5	7	9
BOTTOM DEPTH	6	7	7	7	8	9	3	5	7	9
INDUSTRIAL										
BAP EQUIVALENT-HALFND	3.4E-06	2.4E-07	2.3E-07	2.2E-07	2.6E-09	8.1E-05	3.9E-08	1.3E-06	2.6E-09	1.1E-07
NAPHTHALENE										
AROCLOR-1260										
ARSENIC	2.5E-06	3.1E-06	2.5E-06	1.9E-06	5.9E-07	3.0E-06				
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.9E-06	3.4E-06	2.8E-06	2.2E-06	5.9E-07	8.4E-05	3.9E-08	1.3E-06	2.6E-09	1.1E-07
RESIDENTIAL										
BAP EQUIVALENT-HALFND	7.4E-05	5.2E-06	5.0E-06	4.7E-06	5.6E-08	1.8E-03	8.4E-07	2.9E-05	5.6E-08	2.3E-06
NAPHTHALENE										
AROCLOR-1260										
ARSENIC	2.0E-05	2.4E-05	2.0E-05	1.5E-05	4.6E-06	2.4E-05				
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	9.4E-05	2.9E-05	2.5E-05	2.0E-05	4.6E-06	1.8E-03	8.4E-07	2.9E-05	5.6E-08	2.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-092D	SB-092D	SB-092D	SB-092D	SB-181	SB-182	SB-184	SB-185	SB-186	SB-187	SB-188	SB-189
SAMPLE ID	G-SB-92RED-3	G-SB-92RED-5	G-SB-92RED-7	G-SB-92RED-9	SB-181-05	SB-182-05	SB-184-05	SB-185-05	SB-186-05	SB-187-05	SB-188-05	SB-189-05
SAMPLE DATE	20091102	20091102	20091102	20091102	20041102	20041102	20041103	20041103	20041103	20041105	20041105	20041105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	5	5	5	5	5	5	5	5
BOTTOM DEPTH	3	5	7	9	5	5	5	5	5	5	5	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	7.9E-08	4.7E-06	2.8E-09	1.6E-05								
NAPHTHALENE					2.2E-11	2.2E-11	2.2E-11	2.2E-11	2.2E-11	8.7E-11	2.2E-11	2.2E-11
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	7.9E-08	4.7E-06	2.8E-09	1.6E-05	2.2E-11	2.2E-11	2.2E-11	2.2E-11	2.2E-11	8.7E-11	2.2E-11	2.2E-11
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.7E-06	1.0E-04	6.0E-08	3.5E-04								
NAPHTHALENE					1.1E-10	1.1E-10	1.1E-10	1.1E-10	1.1E-10	4.4E-10	1.1E-10	1.1E-10
AROCLOR-1260												
ARSENIC												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.7E-06	1.0E-04	6.0E-08	3.5E-04	1.1E-10	1.1E-10	1.1E-10	1.1E-10	1.1E-10	4.4E-10	1.1E-10	1.1E-10

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-190	SB-191	SB-192	SB-194	SB-194	SB-195	SB-195	SB-196	SB-196	SB-197	SB-197	SB-198	SB-198	SB-199
SAMPLE ID	SB-190-05	SB-191-05	SB-192-05	SB-194-05	SB-194-10	SB-195-05	SB-195-10	SB-196-05	SB-196-10	SB-197-05	SB-197-10	SB-198-05	SB-198-10	SB-199-05
SAMPLE DATE	20041109	20041109	20041109	20050511	20050511	20050510	20050510	20050511	20050511	20050511	20050511	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	10	5	10	5	10	5	10	5	10	5
BOTTOM DEPTH	5	5	5	5	10	5	10	5	10	5	10	5	10	5
INDUSTRIAL														
BAP EQUIVALENT-HALFND				1.4E-07	1.3E-07	6.3E-06	1.0E-06	1.7E-06	5.0E-07	1.2E-06	1.4E-07	3.8E-07	1.5E-07	3.2E-06
NAPHTHALENE	6.1E-09	2.2E-11	8.7E-11	4.8E-11	4.5E-11	2.7E-11	5.0E-11	4.5E-11	5.4E-11	4.8E-11	5.0E-11	5.4E-11	4.1E-11	4.5E-10
AROCLOR-1260				1.9E-08	1.8E-08	8.1E-09	1.4E-08	1.8E-08	2.1E-08	1.8E-08	1.9E-08	2.1E-08	2.0E-08	1.9E-08
ARSENIC				1.8E-06	1.8E-07	1.5E-06	1.8E-06	3.7E-07	1.8E-07	1.8E-06	1.8E-06	9.1E-07	2.2E-06	5.5E-07
COBALT				1.2E-09	6.4E-10	2.1E-09	3.0E-09	9.1E-10	6.6E-10	1.5E-08	3.2E-09	1.2E-09	1.7E-09	1.3E-09
IRON														
LEAD														
MANGANESE														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM				2.5E-07	1.9E-07	7.7E-07	8.0E-07	4.5E-07	3.4E-07	3.4E-07	8.8E-07	1.1E-06	9.8E-07	4.5E-07
TOTAL CANCER RISK	6.1E-09	2.2E-11	8.7E-11	2.2E-06	5.3E-07	8.5E-06	3.7E-06	2.6E-06	1.0E-06	3.4E-06	2.9E-06	2.4E-06	3.3E-06	4.2E-06
RESIDENTIAL														
BAP EQUIVALENT-HALFND				3.1E-06	2.9E-06	1.4E-04	2.2E-05	3.8E-05	1.1E-05	2.7E-05	3.1E-06	8.2E-06	3.2E-06	6.9E-05
NAPHTHALENE	3.1E-08	1.1E-10	4.4E-10	2.4E-10	2.3E-10	1.4E-10	2.5E-10	2.3E-10	2.7E-10	2.4E-10	2.5E-10	2.7E-10	2.1E-10	2.2E-09
AROCLOR-1260				9.4E-08	9.2E-08	4.0E-08	6.9E-08	9.2E-08	1.1E-07	8.9E-08	9.7E-08	1.1E-07	9.9E-08	9.4E-08
ARSENIC				1.4E-05	1.4E-06	1.1E-05	1.4E-05	2.8E-06	1.4E-06	1.4E-05	1.4E-05	7.1E-06	1.7E-05	4.3E-06
COBALT				6.1E-09	3.2E-09	1.1E-08	1.5E-08	4.6E-09	3.3E-09	7.8E-08	1.6E-08	6.3E-09	8.7E-09	6.4E-09
IRON														
LEAD														
MANGANESE														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM				3.7E-06	2.9E-06	1.2E-05	1.2E-05	6.7E-06	5.2E-06	5.0E-06	1.3E-05	1.7E-05	1.5E-05	6.7E-06
TOTAL CANCER RISK	3.1E-08	1.1E-10	4.4E-10	2.1E-05	7.3E-06	1.6E-04	4.9E-05	4.7E-05	1.8E-05	4.6E-05	3.1E-05	3.2E-05	3.5E-05	8.0E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-199	SB-262	SB-262	SB-263	SB-263	SB-264	SB-264	SB-410	SB-410	SB-410	SB-410	SB-411	SB-411
SAMPLE ID	SB-199-10	SB-262-05	SB-262-10	SB-263-05	SB-263-10	SB-264-05	SB-264-10	SB-410-0203	SB-410-0304	SB-410-0506	SB-410-0708	SB-411-0203	SB-411-0304
SAMPLE DATE	20050511	20050510	20050510	20050510	20050510	20050510	20050510	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	2	3	5	7	2	3
BOTTOM DEPTH	10	5	10	5	10	5	10	3	4	6	8	3	4
INDUSTRIAL													
BAP EQUIVALENT-HALFND	3.4E-07							3.5E-08	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE	5.0E-11	7.8E-09	6.6E-09	7.3E-09	7.4E-09	7.0E-09	7.7E-09						
AROCLOR-1260	2.0E-08												
ARSENIC	3.7E-07												
COBALT	2.7E-09												
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM	6.0E-07												
TOTAL CANCER RISK	1.3E-06	7.8E-09	6.6E-09	7.3E-09	7.4E-09	7.0E-09	7.7E-09	3.5E-08	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL													
BAP EQUIVALENT-HALFND	7.4E-06							7.5E-07	5.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE	2.5E-10	4.0E-08	3.3E-08	3.7E-08	3.7E-08	3.5E-08	3.9E-08						
AROCLOR-1260	9.9E-08												
ARSENIC	2.8E-06												
COBALT	1.4E-08												
IRON													
LEAD													
MANGANESE													
MERCURY													
VANADIUM													
HEXAVALENT CHROMIUM	9.0E-06												
TOTAL CANCER RISK	1.9E-05	4.0E-08	3.3E-08	3.7E-08	3.7E-08	3.5E-08	3.9E-08	7.5E-07	5.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-411	SB-411	SB-412	SB-412	SB-412	SB-412	SB-413	SB-413	SB-413	SB-413	SB-414
SAMPLE ID	SB-411-0506	SB-411-0708	SB-412-0203	SB-412-0304	SB-412-0506	SB-412-0708	SB-413-0203	SB-413-0304	SB-413-0506	SB-413-0708	SB-414-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-06	2.6E-09	2.8E-09	2.8E-09	5.5E-08	2.8E-09	9.4E-08	1.5E-07	2.8E-09	2.8E-09	5.5E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-06	2.6E-09	2.8E-09	2.8E-09	5.5E-08	2.8E-09	9.4E-08	1.5E-07	2.8E-09	2.8E-09	5.5E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.2E-05	5.6E-08	6.0E-08	6.0E-08	1.2E-06	6.0E-08	2.0E-06	3.2E-06	6.0E-08	6.0E-08	1.2E-05
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.2E-05	5.6E-08	6.0E-08	6.0E-08	1.2E-06	6.0E-08	2.0E-06	3.2E-06	6.0E-08	6.0E-08	1.2E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-414	SB-414	SB-414	SB-415	SB-415	SB-415	SB-415	SB-416	SB-416	SB-416	SB-416
SAMPLE ID	SB-414-0304	SB-414-0506	SB-414-0708	SB-415-0203	SB-415-0304	SB-415-0506	SB-415-0708	SB-416-0203	SB-416-0304	SB-416-0506	SB-416-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-08	2.8E-09	2.8E-09	3.3E-08	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-08	2.8E-09	2.8E-09	3.3E-08	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-07	6.0E-08	6.0E-08	7.1E-07	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-07	6.0E-08	6.0E-08	7.1E-07	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-417	SB-417	SB-417	SB-417	SB-418	SB-418	SB-418	SB-418	SB-419	SB-419	SB-419
SAMPLE ID	SB-417-0203	SB-417-0304	SB-417-0506	SB-417-0708	SB-418-0203	SB-418-0304	SB-418-0506	SB-418-0708	SB-419-0203	SB-419-0304	SB-419-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.8E-09	2.8E-09	1.1E-07	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.8E-09	2.8E-09	1.1E-07	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	6.0E-08	6.0E-08	2.4E-06	5.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	6.0E-08	6.0E-08	2.4E-06	5.3E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-419	SB-420	SB-420	SB-420	SB-420	SB-421	SB-421	SB-421	SB-421	SB-422	SB-422
SAMPLE ID	SB-419-0708	SB-420-0203	SB-420-0304	SB-420-0506	SB-420-0708	SB-421-0203	SB-421-0304	SB-421-0506	SB-421-0708	SB-422-0203	SB-422-0304
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.4E-09	2.4E-09	2.6E-09	2.8E-09	3.5E-08	2.8E-09	2.6E-09	2.8E-09	2.4E-09	2.4E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.4E-09	2.4E-09	2.6E-09	2.8E-09	3.5E-08	2.8E-09	2.6E-09	2.8E-09	2.4E-09	2.4E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.3E-08	5.3E-08	5.6E-08	6.0E-08	7.5E-07	6.0E-08	5.6E-08	6.0E-08	5.3E-08	5.3E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.3E-08	5.3E-08	5.6E-08	6.0E-08	7.5E-07	6.0E-08	5.6E-08	6.0E-08	5.3E-08	5.3E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-422	SB-422	SB-423	SB-423	SB-423	SB-423	SB-424	SB-424	SB-424	SB-424	SB-425
SAMPLE ID	SB-422-0506	SB-422-0708	SB-423-0203	SB-423-0304	SB-423-0506	SB-423-0708	SB-424-0203	SB-424-0304	SB-424-0506	SB-424-0708	SB-425-0203
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.1E-07	2.6E-09	6.2E-08	2.6E-09	2.4E-09	2.8E-09	1.4E-05	5.5E-06	6.6E-08	2.6E-09	2.4E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.1E-07	2.6E-09	6.2E-08	2.6E-09	2.4E-09	2.8E-09	1.4E-05	5.5E-06	6.6E-08	2.6E-09	2.4E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	4.6E-06	5.6E-08	1.4E-06	5.6E-08	5.3E-08	6.0E-08	3.0E-04	1.2E-04	1.4E-06	5.6E-08	5.3E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.6E-06	5.6E-08	1.4E-06	5.6E-08	5.3E-08	6.0E-08	3.0E-04	1.2E-04	1.4E-06	5.6E-08	5.3E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-425	SB-425	SB-425	SB-426	SB-426	SB-426	SB-426	SB-427	SB-427	SB-427	SB-427
SAMPLE ID	SB-425-0304	SB-425-0506	SB-425-0708	SB-426-0203	SB-426-0304	SB-426-0506	SB-426-0708	SB-427-0203	SB-427-0304	SB-427-0506	SB-427-0708
SAMPLE DATE	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017	20071017
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.4E-09	2.8E-09	2.9E-09	3.3E-06	2.8E-09	2.6E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.4E-09	2.8E-09	2.9E-09	3.3E-06	2.8E-09	2.6E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.3E-08	6.0E-08	6.4E-08	7.2E-05	6.0E-08	5.6E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.3E-08	6.0E-08	6.4E-08	7.2E-05	6.0E-08	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-428	SB-428	SB-428	SB-428	SB-429	SB-429	SB-429	SB-429	SB-430	SB-430	SB-430
SAMPLE ID	SB-428-0203	SB-428-0304	SB-428-0506	SB-428-0708	SB-429-0203	SB-429-0304	SB-429-0506	SB-429-0708	SB-430-0203	SB-430-0304	SB-430-0506
SAMPLE DATE	20071017	20071017	20071017	20071017	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	1.2E-07	2.6E-09	2.6E-09	2.4E-09	2.4E-09	2.4E-09	2.6E-09	5.9E-08	2.4E-09	3.1E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	1.2E-07	2.6E-09	2.6E-09	2.4E-09	2.4E-09	2.4E-09	2.6E-09	5.9E-08	2.4E-09	3.1E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	2.6E-06	5.6E-08	5.6E-08	5.3E-08	5.3E-08	5.3E-08	5.6E-08	1.3E-06	5.3E-08	6.7E-07
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	2.6E-06	5.6E-08	5.6E-08	5.3E-08	5.3E-08	5.3E-08	5.6E-08	1.3E-06	5.3E-08	6.7E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-430	SB-431	SB-431	SB-431	SB-431	SB-432	SB-432	SB-432	SB-432	SB-433	SB-433
SAMPLE ID	SB-430-0708	SB-431-0203	SB-431-0304	SB-431-0506	SB-431-0708	SB-432-0203	SB-432-0304	SB-432-0506	SB-432-0708	SB-433-0203	SB-433-0304
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND	4.9E-08	3.2E-07	2.9E-08	2.6E-09	3.1E-09	2.6E-09	2.4E-09	2.6E-09	2.6E-09	5.9E-08	2.4E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.9E-08	3.2E-07	2.9E-08	2.6E-09	3.1E-09	2.6E-09	2.4E-09	2.6E-09	2.6E-09	5.9E-08	2.4E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.1E-06	7.0E-06	6.2E-07	5.6E-08	6.8E-08	5.6E-08	5.3E-08	5.6E-08	5.6E-08	1.3E-06	5.3E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-06	7.0E-06	6.2E-07	5.6E-08	6.8E-08	5.6E-08	5.3E-08	5.6E-08	5.6E-08	1.3E-06	5.3E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-433	SB-433	SB-434	SB-434	SB-434	SB-434	SB-435	SB-435	SB-435	SB-435	SB-436
SAMPLE ID	SB-433-0506	SB-433-0708	SB-434-0203	SB-434-0304	SB-434-0506	SB-434-0708	SB-435-0203	SB-435-0304	SB-435-0506	SB-435-0708	SB-436-0203
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	4.5E-08	2.8E-09	2.8E-09	5.9E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.4E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	4.5E-08	2.8E-09	2.8E-09	5.9E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.3E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	9.8E-07	6.0E-08	6.0E-08	1.3E-06
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.3E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	9.8E-07	6.0E-08	6.0E-08	1.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-436	SB-436	SB-436	SB-437	SB-437	SB-437	SB-437	SB-438	SB-438	SB-438	SB-438
SAMPLE ID	SB-436-0304	SB-436-0506	SB-436-0708	SB-437-0203	SB-437-0304	SB-437-0506	SB-437-0708	SB-438-0203	SB-438-0304	SB-438-0506	SB-438-0708
SAMPLE DATE	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018	20071018
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	3.2E-08	6.2E-08	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.4E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.2E-08	6.2E-08	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.4E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.9E-07	1.4E-06	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	5.3E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.9E-07	1.4E-06	5.6E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	5.3E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-439	SB-439	SB-439	SB-439	SB-081	SB-082	SB-083	SB-084	SB-085	SB-085	SB-086	SB-086	SB-087	SB-088
SAMPLE ID	SB-439-0203	SB-439-0304	SB-439-0506	SB-439-0708	SB-81-05	SB-82-05	SB-83-05	SB-84-05	SB-85-05	SB-85-10	SB-86-05	SB-86-10	SB-87-05	SB-88-05
SAMPLE DATE	20071018	20071018	20071018	20071018	20041109	20041109	20041102	20041103	20041105	20041115	20041115	20041115	20041105	20041105
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	5	5	5	5	5	10	5	10	5	5
BOTTOM DEPTH	3	4	6	8	5	5	5	5	5	10	5	10	5	5
INDUSTRIAL														
BAP EQUIVALENT-HALFND	2.6E-09	2.9E-09	2.8E-09	2.8E-09	6.8E-07	6.9E-07	6.9E-07	7.1E-07	7.1E-07	6.6E-07	6.8E-07	6.6E-07		
NAPHTHALENE					1.3E-10	1.3E-10	1.3E-10	2.7E-08	6.9E-09	1.3E-10	1.3E-10	1.3E-10	2.2E-11	1.2E-08
AROCLOR-1260					1.4E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.4E-07	1.4E-07	1.4E-07		
ARSENIC					9.1E-07	4.4E-07	7.0E-07	1.2E-06	8.1E-07	9.7E-08	2.6E-07	2.2E-07		
COBALT														
IRON														
LEAD														
MANGANESE														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM					2.7E-07	2.1E-07	2.1E-07	5.2E-07	7.7E-07	2.6E-07	5.0E-07	8.5E-07		
TOTAL CANCER RISK	2.6E-09	2.9E-09	2.8E-09	2.8E-09	2.0E-06	1.5E-06	1.7E-06	2.7E-06	2.4E-06	1.2E-06	1.6E-06	1.9E-06	2.2E-11	1.2E-08
RESIDENTIAL														
BAP EQUIVALENT-HALFND	5.6E-08	6.4E-08	6.0E-08	6.0E-08	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.5E-05	1.4E-05	1.5E-05	1.4E-05		
NAPHTHALENE					6.5E-10	6.5E-10	6.5E-10	1.4E-07	3.5E-08	6.5E-10	6.5E-10	6.5E-10	1.1E-10	5.9E-08
AROCLOR-1260					7.2E-07	7.4E-07	7.2E-07	7.4E-07	7.4E-07	6.9E-07	7.2E-07	6.9E-07		
ARSENIC					7.1E-06	3.4E-06	5.4E-06	9.7E-06	6.3E-06	7.6E-07	2.0E-06	1.7E-06		
COBALT														
IRON														
LEAD														
MANGANESE														
MERCURY														
VANADIUM														
HEXAVALENT CHROMIUM					4.1E-06	3.1E-06	3.1E-06	7.9E-06	1.2E-05	3.8E-06	7.4E-06	1.3E-05		
TOTAL CANCER RISK	5.6E-08	6.4E-08	6.0E-08	6.0E-08	2.7E-05	2.2E-05	2.4E-05	3.4E-05	3.4E-05	2.0E-05	2.5E-05	3.0E-05	1.1E-10	5.9E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-089	SB-090	SB-091	SB-092	SB-440	SB-440	SB-440	SB-441	SB-441	SB-441	SB-441	SB-442
SAMPLE ID	SB-89-05	SB-90-05	SB-91-05	SB-92-04	SB-440-0203	SB-440-0304	SB-440-0506	SB-441-0203	SB-441-0304	SB-441-0506	SB-441-0708	SB-442-0203
SAMPLE DATE	20041105	20041103	20040927	20040927	20071018	20071018	20071018	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	4	2	3	5	2	3	5	7	2
BOTTOM DEPTH	5	5	5	4	3	4	6	3	4	6	8	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND				2.1E-10	2.8E-09	2.8E-09	2.9E-09	2.5E-07	1.1E-07	3.1E-06	2.6E-09	2.6E-09
NAPHTHALENE	7.4E-09	2.2E-11	1.3E-10	1.3E-10								
AROCLOR-1260			1.4E-07	1.4E-07								
ARSENIC			8.8E-07	5.1E-07								
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM			5.5E-07	7.2E-07								
TOTAL CANCER RISK	7.4E-09	2.2E-11	1.6E-06	1.4E-06	2.8E-09	2.8E-09	2.9E-09	2.5E-07	1.1E-07	3.1E-06	2.6E-09	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND				4.5E-09	6.0E-08	6.0E-08	6.4E-08	5.4E-06	2.3E-06	6.8E-05	5.6E-08	5.6E-08
NAPHTHALENE	3.7E-08	1.1E-10	6.5E-10	6.5E-10								
AROCLOR-1260			7.2E-07	7.2E-07								
ARSENIC			6.8E-06	4.0E-06								
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM			8.3E-06	1.1E-05								
TOTAL CANCER RISK	3.7E-08	1.1E-10	1.6E-05	1.5E-05	6.0E-08	6.0E-08	6.4E-08	5.4E-06	2.3E-06	6.8E-05	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-442	SB-442	SB-442	SB-443	SB-443	SB-443	SB-443	SB-444	SB-444	SB-444	SB-444
SAMPLE ID	SB-442-0304	SB-442-0506	SB-442-0708	SB-443-0203	SB-443-0304	SB-443-0506	SB-443-0708	SB-444-0203	SB-444-0304	SB-444-0506	SB-444-0708
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.8E-09	2.6E-09	2.4E-09	2.6E-09	2.6E-09	2.8E-09	1.1E-07	2.6E-09	2.8E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.8E-09	2.6E-09	2.4E-09	2.6E-09	2.6E-09	2.8E-09	1.1E-07	2.6E-09	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	6.0E-08	5.6E-08	5.3E-08	5.6E-08	5.6E-08	6.0E-08	2.4E-06	5.6E-08	6.0E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	6.0E-08	5.6E-08	5.3E-08	5.6E-08	5.6E-08	6.0E-08	2.4E-06	5.6E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-445	SB-445	SB-445	SB-445	SB-446	SB-446	SB-446	SB-446	SB-447	SB-448	SB-448
SAMPLE ID	SB-445-0203	SB-445-0304	SB-445-0506	SB-445-0708	SB-446-0203	SB-446-0304	SB-446-0506	SB-446-0708	SB-447-0203	SB-448-0203	SB-448-0304
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019	20071019
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2	2	3
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	9.7E-08	2.6E-09	2.6E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09	9.7E-08	2.6E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	2.1E-06	5.6E-08	5.6E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08	2.1E-06	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-448	SB-448	SB-449	SB-449	SB-449	SB-449	SB-450	SB-450	SB-450	SB-450	SB-451
SAMPLE ID	SB-448-0506	SB-448-0708	SB-449-0203	SB-449-0304	SB-449-0506	SB-449-0708	SB-450-0203	SB-450-0304	SB-450-0506	SB-450-0708	SB-451-0203
SAMPLE DATE	20071019	20071019	20071019	20071019	20071019	20071019	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	7.3E-08	2.4E-09	2.6E-09	2.8E-09	2.6E-09	2.8E-09	2.6E-09	2.9E-09	2.6E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	7.3E-08	2.4E-09	2.6E-09	2.8E-09	2.6E-09	2.8E-09	2.6E-09	2.9E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	1.6E-06	5.3E-08	5.6E-08	6.0E-08	5.6E-08	6.0E-08	5.6E-08	6.4E-08	5.6E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	1.6E-06	5.3E-08	5.6E-08	6.0E-08	5.6E-08	6.0E-08	5.6E-08	6.4E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-451	SB-451	SB-451	SB-452	SB-452	SB-452	SB-452	SB-453	SB-453	SB-453	SB-453
SAMPLE ID	SB-451-0304	SB-451-0506	SB-451-0708	SB-452-0203	SB-452-0304	SB-452-0506	SB-452-0708	SB-453-0203	SB-453-0304	SB-453-0506	SB-453-0708
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.6E-09	7.6E-08	1.3E-07	2.6E-09	2.6E-09	9.7E-08	2.2E-06	2.8E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.6E-09	7.6E-08	1.3E-07	2.6E-09	2.6E-09	9.7E-08	2.2E-06	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	5.6E-08	1.7E-06	2.9E-06	5.6E-08	5.6E-08	2.1E-06	4.8E-05	6.0E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	6.0E-08	5.6E-08	1.7E-06	2.9E-06	5.6E-08	5.6E-08	2.1E-06	4.8E-05	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-454	SB-454	SB-454	SB-454	SB-455	SB-455	SB-455	SB-455	SB-456	SB-456	SB-456
SAMPLE ID	SB-454-0203	SB-454-0304	SB-454-0506	SB-454-0708	SB-455-0203	SB-455-0304	SB-455-0506	SB-455-0708	SB-456-0203	SB-456-0304	SB-456-0506
SAMPLE DATE	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022	20071022
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.8E-09	2.6E-09
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.8E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	6.0E-08	5.6E-08
NAPHTHALENE											
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	5.6E-08	6.0E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-456
SAMPLE ID	SB-456-0708
SAMPLE DATE	20071022
SAMPLE CODE	NORMAL
MATRIX	SO
SAMPLE TYPE	NORMAL
SUBMATRIX	SB
TOP DEPTH	7
BOTTOM DEPTH	8
INDUSTRIAL	
BAP EQUIVALENT-HALFND	1.1E-06
NAPHTHALENE	
AROCLOR-1260	
ARSENIC	
COBALT	
IRON	
LEAD	
MANGANESE	
MERCURY	
VANADIUM	
HEXAVALENT CHROMIUM	
TOTAL CANCER RISK	1.1E-06
RESIDENTIAL	
BAP EQUIVALENT-HALFND	2.3E-05
NAPHTHALENE	
AROCLOR-1260	
ARSENIC	
COBALT	
IRON	
LEAD	
MANGANESE	
MERCURY	
VANADIUM	
HEXAVALENT CHROMIUM	
TOTAL CANCER RISK	2.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-803	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-804	SB-805	SB-805	SB-806
SAMPLE ID	G-SB-803-03	G-SB-803-05	G-SB-803-07	G-SB-803-09	G-SB-804-03	G-SB-804-05	G-SB-804-07	G-SB-804-09	G-SB-805-07	G-SB-805-09	G-SB-806-03
SAMPLE DATE	20100826	20100826	20100826	20100826	20100823	20100823	20100823	20100823	20100824	20100824	20100824
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	7	9	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	7	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.4E-06	2.4E-06	2.3E-06	2.6E-06	2.4E-06	2.6E-06	2.4E-06	1.0E-05	2.5E-06	2.8E-06	2.6E-06
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.4E-06	2.4E-06	2.3E-06	2.6E-06	2.4E-06	2.6E-06	2.4E-06	1.0E-05	2.5E-06	2.8E-06	2.6E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.1E-05	1.2E-05	1.1E-05	4.7E-05	1.2E-05	1.3E-05	1.2E-05
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.1E-05	1.2E-05	1.1E-05	4.7E-05	1.2E-05	1.3E-05	1.2E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-806	SB-806	SB-806	SB-806	SB-806	SB-807	SB-807	SB-807	SB-807	SB-807
SAMPLE ID	G-SB-806-05	G-SB-806-07	G-SB-806-07-AVG	G-SB-806-07-D	G-SB-806-09	G-SB-807-03	G-SB-807-03-AVG	G-SB-807-03-D	G-SB-807-05	G-SB-807-07
SAMPLE DATE	20100824	20100824	20100824	20100824	20100824	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	3	3	3	5	7
BOTTOM DEPTH	5	7	7	7	9	3	3	3	5	7
INDUSTRIAL										
BAP EQUIVALENT-HALFND										
NAPHTHALENE	2.4E-06	2.4E-06	2.5E-06	2.6E-06	6.4E-04	2.3E-06	2.3E-06	2.3E-06	2.4E-06	2.4E-06
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL HAZARD INDEX	2.4E-06	2.4E-06	2.5E-06	2.6E-06	6.4E-04	2.3E-06	2.3E-06	2.3E-06	2.4E-06	2.4E-06
RESIDENTIAL										
BAP EQUIVALENT-HALFND										
NAPHTHALENE	1.1E-05	1.1E-05	1.2E-05	1.2E-05	3.0E-03	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
AROCLOR-1260										
ARSENIC										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL HAZARD INDEX	1.1E-05	1.1E-05	1.2E-05	1.2E-05	3.0E-03	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-807	SB-808	SB-808	SB-808	SB-808	SB-809	SB-809	SB-809	SB-809	SB-810	SB-810
SAMPLE ID	G-SB-807-09	G-SB-808-03	G-SB-808-05	G-SB-808-07	G-SB-808-09	G-SB-809-03	G-SB-809-05	G-SB-809-07	G-SB-809-09	G-SB-810-03	G-SB-810-05
SAMPLE DATE	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	3	5	7	9	3	5
BOTTOM DEPTH	9	3	5	7	9	3	5	7	9	3	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.7E-06	2.3E-06	2.8E-05	2.3E-06	2.3E-05	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.5E-06	2.6E-06
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.7E-06	2.3E-06	2.8E-05	2.3E-06	2.3E-05	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.5E-06	2.6E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.3E-05	1.1E-05	1.3E-04	1.1E-05	1.1E-04	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.2E-05
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.3E-05	1.1E-05	1.3E-04	1.1E-05	1.1E-04	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.2E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-810	SB-810	SB-811	SB-811	SB-811	SB-811	SB-811	SB-812	SB-812	SB-812	SB-812
SAMPLE ID	G-SB-810-07	G-SB-810-09	G-SB-811-05	G-SB-811-07	G-SB-811-07-AVG	G-SB-811-07-D	G-SB-811-09	G-SB-812-03	G-SB-812-05	G-SB-812-07	G-SB-812-09
SAMPLE DATE	20100823	20100823	20100823	20100823	20100823	20100823	20100823	20100824	20100824	20100824	20100824
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	5	7	7	7	9	3	5	7	9
BOTTOM DEPTH	7	9	5	7	7	7	9	3	5	7	9
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.3E-06	2.6E-06	1.0E-05	2.5E-06	2.5E-06	2.4E-06	2.8E-06	2.4E-06	2.6E-06	2.4E-06	5.0E-05
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.3E-06	2.6E-06	1.0E-05	2.5E-06	2.5E-06	2.4E-06	2.8E-06	2.4E-06	2.6E-06	2.4E-06	5.0E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.1E-05	1.2E-05	4.7E-05	1.2E-05	1.2E-05	1.1E-05	1.3E-05	1.1E-05	1.2E-05	1.1E-05	2.3E-04
AROCLOR-1260											
ARSENIC											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.1E-05	1.2E-05	4.7E-05	1.2E-05	1.2E-05	1.1E-05	1.3E-05	1.1E-05	1.2E-05	1.1E-05	2.3E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-813	SB-813	SB-813	SB-813	G-TP-1	G-TP-1	G-TP-1	G-TP-2	G-TP-2	OW-5	OW-5
SAMPLE ID	G-SB-813-03	G-SB-813-05	G-SB-813-07	G-SB-813-09	G-TP-1-1-7-8	G-TP-1-5-2-3	G-TP-1-7-5-7	G-TP-2-3-6-7	G-TP-2-8-5-6	OW-5-4	OW-5-6
SAMPLE DATE	20100826	20100826	20100826	20100826	20100921	20100921	20100921	20100921	20100921	20071128	20071128
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	7	2	5	6	5	4	6
BOTTOM DEPTH	3	5	7	9	8	3	7	7	6	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.4E-06	2.5E-06	2.4E-06	2.8E-04	2.6E-06	2.4E-06	2.5E-06	1.1E-04	1.1E-05	3.6E-06	3.7E-06
AROCLOR-1260											
ARSENIC										4.8E-03	4.1E-03
COBALT										1.0E-02	4.8E-03
IRON										1.4E-02	1.2E-02
LEAD											
MANGANESE										1.1E-02	6.0E-03
MERCURY										4.5E-05	4.7E-05
VANADIUM										1.7E-03	1.5E-03
HEXAVALENT CHROMIUM										5.8E-04	4.1E-04
TOTAL HAZARD INDEX	2.4E-06	2.5E-06	2.4E-06	2.8E-04	2.6E-06	2.4E-06	2.5E-06	1.1E-04	1.1E-05	4.2E-02	2.9E-02
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.1E-05	1.2E-05	1.1E-05	1.3E-03	1.2E-05	1.1E-05	1.2E-05	5.1E-04	4.9E-05	1.7E-05	1.7E-05
AROCLOR-1260											
ARSENIC										9.7E-02	8.3E-02
COBALT										2.4E-01	1.1E-01
IRON										3.2E-01	2.9E-01
LEAD											
MANGANESE										1.1E-01	6.1E-02
MERCURY										5.7E-04	6.0E-04
VANADIUM										4.1E-02	3.5E-02
HEXAVALENT CHROMIUM										5.2E-03	3.6E-03
TOTAL HAZARD INDEX	1.1E-05	1.2E-05	1.1E-05	1.3E-03	1.2E-05	1.1E-05	1.2E-05	5.1E-04	4.9E-05	8.2E-01	5.9E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092	SB-181
SAMPLE ID	G-SB-92RE-10	G-SB-92RE-3	G-SB-92RE-4	G-SB-92RE-5	G-SB-92RE-6	G-SB-92RE-7	G-SB-92RE-7-AVG	G-SB-92RE-7-D	G-SB-92RE-8	G-SB-92RE-9	SB-181-05
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20041102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8	9	5
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8	9	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											6.3E-07
AROCLOR-1260											
ARSENIC	7.3E-03	4.8E-03	9.4E-03	7.3E-03	1.6E-02	1.9E-02	1.6E-02	1.2E-02	3.7E-03	1.9E-02	
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	7.3E-03	4.8E-03	9.4E-03	7.3E-03	1.6E-02	1.9E-02	1.6E-02	1.2E-02	3.7E-03	1.9E-02	6.3E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											2.9E-06
AROCLOR-1260											
ARSENIC	1.5E-01	9.7E-02	1.9E-01	1.5E-01	3.2E-01	3.9E-01	3.2E-01	2.4E-01	7.4E-02	3.8E-01	
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.5E-01	9.7E-02	1.9E-01	1.5E-01	3.2E-01	3.9E-01	3.2E-01	2.4E-01	7.4E-02	3.8E-01	2.9E-06

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-182	SB-184	SB-185	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-192	SB-194
SAMPLE ID	SB-182-05	SB-184-05	SB-185-05	SB-186-05	SB-187-05	SB-188-05	SB-189-05	SB-190-05	SB-191-05	SB-192-05	SB-194-05
SAMPLE DATE	20041102	20041103	20041103	20041103	20041105	20041105	20041105	20041109	20041109	20041109	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	5	5	5	5	5	5	5	5	5
BOTTOM DEPTH	5	5	5	5	5	5	5	5	5	5	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	6.3E-07	6.3E-07	6.3E-07	6.3E-07	2.5E-06	6.3E-07	6.3E-07	1.8E-04	6.3E-07	2.5E-06	1.4E-06
AROCLOR-1260											
ARSENIC											1.1E-02
COBALT											9.8E-03
IRON											
LEAD											
MANGANESE											
MERCURY											4.7E-05
VANADIUM											2.1E-03
HEXAVALENT CHROMIUM											4.6E-04
TOTAL HAZARD INDEX	6.3E-07	6.3E-07	6.3E-07	6.3E-07	2.5E-06	6.3E-07	6.3E-07	1.8E-04	6.3E-07	2.5E-06	2.4E-02
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.9E-06	2.9E-06	2.9E-06	2.9E-06	1.2E-05	2.9E-06	2.9E-06	8.2E-04	2.9E-06	1.2E-05	6.5E-06
AROCLOR-1260											
ARSENIC											2.3E-01
COBALT											2.3E-01
IRON											
LEAD											
MANGANESE											
MERCURY											6.0E-04
VANADIUM											4.9E-02
HEXAVALENT CHROMIUM											4.0E-03
TOTAL HAZARD INDEX	2.9E-06	2.9E-06	2.9E-06	2.9E-06	1.2E-05	2.9E-06	2.9E-06	8.2E-04	2.9E-06	1.2E-05	5.2E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-194	SB-195	SB-195	SB-196	SB-196	SB-197	SB-197	SB-198	SB-198	SB-199	SB-199
SAMPLE ID	SB-194-10	SB-195-05	SB-195-10	SB-196-05	SB-196-10	SB-197-05	SB-197-10	SB-198-05	SB-198-10	SB-199-05	SB-199-10
SAMPLE DATE	20050511	20050510	20050510	20050511	20050511	20050511	20050511	20050511	20050511	20050511	20050511
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	10	5	10	5	10	5	10	5	10
BOTTOM DEPTH	10	5	10	5	10	5	10	5	10	5	10
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.3E-06	7.8E-07	1.4E-06	1.3E-06	1.6E-06	1.4E-06	1.4E-06	1.6E-06	1.2E-06	1.3E-05	1.4E-06
AROCLOR-1260											
ARSENIC	1.1E-03	9.1E-03	1.1E-02	2.3E-03	1.1E-03	1.1E-02	1.1E-02	5.7E-03	1.4E-02	3.4E-03	2.3E-03
COBALT	5.2E-03	1.7E-02	2.5E-02	7.4E-03	5.4E-03	1.3E-01	2.6E-02	1.0E-02	1.4E-02	1.0E-02	2.2E-02
IRON											
LEAD											
MANGANESE											
MERCURY	9.4E-05	4.2E-05	3.8E-05	3.8E-05	4.2E-05	3.3E-05	3.3E-05	1.4E-04	4.2E-05	4.7E-05	4.7E-05
VANADIUM	1.5E-03	7.5E-03	8.1E-03	3.6E-03	2.2E-03	2.8E-03	5.1E-03	5.8E-03	6.5E-03	4.1E-03	4.2E-03
HEXAVALENT CHROMIUM	3.5E-04	1.4E-03	1.5E-03	8.3E-04	6.4E-04	6.3E-04	1.6E-03	2.0E-03	1.8E-03	8.4E-04	1.1E-03
TOTAL HAZARD INDEX	8.3E-03	3.5E-02	4.6E-02	1.4E-02	9.4E-03	1.4E-01	4.4E-02	2.4E-02	3.6E-02	1.9E-02	3.0E-02
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	6.2E-06	3.6E-06	6.7E-06	6.2E-06	7.3E-06	6.5E-06	6.7E-06	7.3E-06	5.6E-06	6.0E-05	6.7E-06
AROCLOR-1260											
ARSENIC	2.3E-02	1.8E-01	2.3E-01	4.6E-02	2.3E-02	2.3E-01	2.3E-01	1.2E-01	2.8E-01	6.9E-02	4.6E-02
COBALT	1.2E-01	4.1E-01	5.9E-01	1.8E-01	1.3E-01	3.0E+00	6.1E-01	2.4E-01	3.3E-01	2.5E-01	5.3E-01
IRON											
LEAD											
MANGANESE											
MERCURY	1.2E-03	5.4E-04	4.8E-04	4.8E-04	5.4E-04	4.2E-04	4.2E-04	1.8E-03	5.4E-04	6.0E-04	6.0E-04
VANADIUM	3.7E-02	1.8E-01	1.9E-01	8.5E-02	5.3E-02	6.6E-02	1.2E-01	1.4E-01	1.6E-01	9.6E-02	1.0E-01
HEXAVALENT CHROMIUM	3.1E-03	1.3E-02	1.3E-02	7.3E-03	5.6E-03	5.5E-03	1.5E-02	1.8E-02	1.6E-02	7.4E-03	9.8E-03
TOTAL HAZARD INDEX	1.9E-01	7.8E-01	1.0E+00	3.1E-01	2.1E-01	3.3E+00	9.8E-01	5.1E-01	7.8E-01	4.2E-01	6.9E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-262	SB-262	SB-263	SB-263	SB-264	SB-264	SB-081	SB-082	SB-083	SB-084	SB-085	SB-085	SB-086
SAMPLE ID	SB-262-05	SB-262-10	SB-263-05	SB-263-10	SB-264-05	SB-264-10	SB-81-05	SB-82-05	SB-83-05	SB-84-05	SB-85-05	SB-85-10	SB-86-05
SAMPLE DATE	20050510	20050510	20050510	20050510	20050510	20050510	20041109	20041109	20041102	20041103	20041105	20041115	20041115
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	5	5	5	5	10	5
BOTTOM DEPTH	5	10	5	10	5	10	5	5	5	5	5	10	5
INDUSTRIAL													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	2.3E-04	1.9E-04	2.1E-04	2.1E-04	2.0E-04	2.2E-04	3.8E-06	3.8E-06	3.8E-06	7.8E-04	2.0E-04	3.8E-06	3.8E-06
AROCLOR-1260													
ARSENIC							5.7E-03	2.7E-03	4.3E-03	7.8E-03	5.0E-03	6.0E-04	1.6E-03
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY							2.6E-04	2.4E-04	2.4E-04	2.8E-04	2.6E-04	2.6E-04	2.6E-04
VANADIUM													
HEXAVALENT CHROMIUM							5.1E-04	3.9E-04	3.9E-04	9.7E-04	1.4E-03	4.8E-04	9.2E-04
TOTAL HAZARD INDEX	2.3E-04	1.9E-04	2.1E-04	2.1E-04	2.0E-04	2.2E-04	6.5E-03	3.4E-03	5.0E-03	9.8E-03	6.9E-03	1.3E-03	2.8E-03
RESIDENTIAL													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	1.1E-03	8.9E-04	9.9E-04	1.0E-03	9.5E-04	1.0E-03	1.8E-05	1.8E-05	1.8E-05	3.6E-03	9.4E-04	1.8E-05	1.8E-05
AROCLOR-1260													
ARSENIC							1.2E-01	5.5E-02	8.8E-02	1.6E-01	1.0E-01	1.2E-02	3.2E-02
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY							3.3E-03	3.0E-03	3.0E-03	3.6E-03	3.3E-03	3.3E-03	3.3E-03
VANADIUM													
HEXAVALENT CHROMIUM							4.5E-03	3.4E-03	3.4E-03	8.6E-03	1.3E-02	4.2E-03	8.1E-03
TOTAL HAZARD INDEX	1.1E-03	8.9E-04	9.9E-04	1.0E-03	9.5E-04	1.0E-03	1.2E-01	6.2E-02	9.4E-02	1.7E-01	1.2E-01	2.0E-02	4.4E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK F
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-086	SB-087	SB-088	SB-089	SB-090	SB-091	SB-092
SAMPLE ID	SB-86-10	SB-87-05	SB-88-05	SB-89-05	SB-90-05	SB-91-05	SB-92-04
SAMPLE DATE	20041115	20041105	20041105	20041105	20041103	20040927	20040927
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	5	5	5	5	5	4
BOTTOM DEPTH	10	5	5	5	5	5	4
INDUSTRIAL							
BAP EQUIVALENT-HALFND							
NAPHTHALENE	3.8E-06	6.3E-07	3.4E-04	2.1E-04	6.3E-07	3.8E-06	3.8E-06
AROCLOR-1260							
ARSENIC	1.4E-03					5.5E-03	3.2E-03
COBALT							
IRON							
LEAD							
MANGANESE							
MERCURY	2.6E-04					2.6E-04	2.8E-04
VANADIUM							
HEXAVALENT CHROMIUM	1.6E-03					1.0E-03	1.3E-03
TOTAL HAZARD INDEX	3.2E-03	6.3E-07	3.4E-04	2.1E-04	6.3E-07	6.8E-03	4.8E-03
RESIDENTIAL							
BAP EQUIVALENT-HALFND							
NAPHTHALENE	1.8E-05	2.9E-06	1.6E-03	1.0E-03	2.9E-06	1.8E-05	1.8E-05
AROCLOR-1260							
ARSENIC	2.8E-02					1.1E-01	6.5E-02
COBALT							
IRON							
LEAD							
MANGANESE							
MERCURY	3.3E-03					3.3E-03	3.6E-03
VANADIUM							
HEXAVALENT CHROMIUM	1.4E-02					9.0E-03	1.2E-02
TOTAL HAZARD INDEX	4.6E-02	2.9E-06	1.6E-03	1.0E-03	2.9E-06	1.2E-01	8.0E-02

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-195	SB-195	SB-195	SB-195	SB-195	SB-196	SB-196	SB-196	SB-657	SB-657
SAMPLE ID	G-SB-195RE-11	G-SB-195RE-12	G-SB-195RE-13	G-SB-195RE-14	G-SB-195RE-15	G-SB-196RE-11	G-SB-196RE-12	G-SB-196RE-13	G-SB-657-11	G-SB-657-11-AVG
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091020	20091020	20091020	20091002	20091002
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	13	14	15	11	12	13	11	11
BOTTOM DEPTH	11	12	13	14	15	11	12	13	11	11
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	7.9E-07	9.8E-07	4.8E-05	8.4E-05	9.6E-07	2.8E-09	3.4E-08	2.8E-09	2.9E-06	1.8E-06
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	7.9E-07	9.8E-07	4.8E-05	8.4E-05	9.6E-07	2.8E-09	3.4E-08	2.8E-09	2.9E-06	1.8E-06
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	1.7E-05	2.1E-05	1.0E-03	1.8E-03	2.1E-05	6.0E-08	7.4E-07	6.0E-08	6.3E-05	3.9E-05
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.7E-05	2.1E-05	1.0E-03	1.8E-03	2.1E-05	6.0E-08	7.4E-07	6.0E-08	6.3E-05	3.9E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-657	SB-657	SB-657	SB-657	SB-657	SB-657A	SB-657A	SB-657A	SB-657B	SB-657B	SB-657B	SB-657D
SAMPLE ID	G-SB-657-11-D	G-SB-657-12	G-SB-657-13	G-SB-657-14	G-SB-657-15	G-SB-657A-11	G-SB-657A-13	G-SB-657A-15	G-SB-657B-11	G-SB-657B-13	G-SB-657B-15	G-SB-657D-11
SAMPLE DATE	20091002	20091002	20091002	20091002	20091002	20091028	20091028	20091028	20091028	20091028	20091028	20091028
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	13	14	15	11	13	15	11	13	15	11
BOTTOM DEPTH	11	12	13	14	15	11	13	15	11	13	15	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	6.7E-07	9.0E-07	1.1E-05	8.4E-08	1.5E-08	2.9E-05	5.1E-06	2.3E-07	9.7E-08	7.4E-06	1.1E-06	2.6E-09
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.7E-07	9.0E-07	1.1E-05	8.4E-08	1.5E-08	2.9E-05	5.1E-06	2.3E-07	9.7E-08	7.4E-06	1.1E-06	2.6E-09
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	1.5E-05	1.9E-05	2.4E-04	1.8E-06	3.2E-07	6.2E-04	1.1E-04	5.0E-06	2.1E-06	1.6E-04	2.4E-05	5.6E-08
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.5E-05	1.9E-05	2.4E-04	1.8E-06	3.2E-07	6.2E-04	1.1E-04	5.0E-06	2.1E-06	1.6E-04	2.4E-05	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-657D	SB-657D	SB-658	SB-658	SB-658	SB-658	SB-658	SB-658	SB-658	SB-658B	SB-658B
SAMPLE ID	G-SB-657D-13	G-SB-657D-15	G-SB-658-11	G-SB-658-11-AVG	G-SB-658-11-D	G-SB-658-12	G-SB-658-13	G-SB-658-14	G-SB-658-15	G-SB-658B-11	G-SB-658B-15
SAMPLE DATE	20091028	20091028	20091002	20091002	20091002	20091002	20091002	20091002	20091002	20091028	20091028
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	11	11	12	13	14	15	11	15
BOTTOM DEPTH	13	15	11	11	11	12	13	14	15	11	15
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	5.0E-07	3.0E-07	8.5E-07	5.5E-07	2.5E-07	1.2E-06	8.0E-07	7.0E-07	1.9E-07	2.6E-09	1.2E-06
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.0E-07	3.0E-07	8.5E-07	5.5E-07	2.5E-07	1.2E-06	8.0E-07	7.0E-07	1.9E-07	2.6E-09	1.2E-06
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	1.1E-05	6.4E-06	1.8E-05	1.2E-05	5.5E-06	2.6E-05	1.7E-05	1.5E-05	4.1E-06	5.6E-08	2.6E-05
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-05	6.4E-06	1.8E-05	1.2E-05	5.5E-06	2.6E-05	1.7E-05	1.5E-05	4.1E-06	5.6E-08	2.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-658C	SB-658C	SB-658C	SB-658C	SB-658C	SB-659	SB-659	SB-659	SB-659	SB-659	SB-659C
SAMPLE ID	G-SB-658C-11	G-SB-658C-13	G-SB-658C-13-AVG	G-SB-658C-13-D	G-SB-658C-15	G-SB-659-11	G-SB-659-12	G-SB-659-13	G-SB-659-14	G-SB-659-15	G-SB-659C-11
SAMPLE DATE	20091028	20091028	20091028	20091028	20091028	20091002	20091002	20091002	20091002	20091002	20091029
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	13	13	15	11	12	13	14	15	11
BOTTOM DEPTH	11	13	13	13	15	11	12	13	14	15	11
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.6E-09	3.6E-05	2.6E-05	1.7E-05	2.8E-07	9.2E-07	2.1E-06	8.0E-06	2.6E-06	6.5E-08	9.3E-07
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	3.6E-05	2.6E-05	1.7E-05	2.8E-07	9.2E-07	2.1E-06	8.0E-06	2.6E-06	6.5E-08	9.3E-07
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	5.6E-08	7.9E-04	5.7E-04	3.6E-04	6.0E-06	2.0E-05	4.5E-05	1.7E-04	5.6E-05	1.4E-06	2.0E-05
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	7.9E-04	5.7E-04	3.6E-04	6.0E-06	2.0E-05	4.5E-05	1.7E-04	5.6E-05	1.4E-06	2.0E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-659C	SB-659C	SB-659D	SB-659D	SB-659D	SB-660	SB-660	SB-662	SB-662	SB-662	SB-662A	SB-662B
SAMPLE ID	G-SB-659C-13	G-SB-659C-15	G-SB-659D-11	G-SB-659D-13	G-SB-659D-15	G-SB-660-11	G-SB-660-12	G-SB-662-11	G-SB-662-12	G-SB-662-13	G-SB-662A-11	G-SB-662B-11
SAMPLE DATE	20091029	20091029	20091029	20091029	20091029	20091002	20091002	20091020	20091020	20091020	20091029	20091029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	12	11	12	13	11	11
BOTTOM DEPTH	13	15	11	13	15	11	12	11	12	13	11	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	1.6E-05	6.3E-07	2.6E-09	1.5E-06	2.6E-09	1.4E-07	5.4E-08	2.8E-09	2.8E-09	2.8E-09	2.8E-09	8.6E-06
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.6E-05	6.3E-07	2.6E-09	1.5E-06	2.6E-09	1.4E-07	5.4E-08	2.8E-09	2.8E-09	2.8E-09	2.8E-09	8.6E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	3.5E-04	1.4E-05	5.6E-08	3.4E-05	5.6E-08	3.1E-06	1.2E-06	6.0E-08	6.0E-08	6.0E-08	6.0E-08	1.9E-04
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.5E-04	1.4E-05	5.6E-08	3.4E-05	5.6E-08	3.1E-06	1.2E-06	6.0E-08	6.0E-08	6.0E-08	6.0E-08	1.9E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-662C	SB-671	SB-671	SB-671	SB-671B	SB-671C	SB-671D	SB-704	SB-704	SB-704	SB-706	SB-706
SAMPLE ID	G-SB-662C-11	G-SB-671RE-11	G-SB-671RE-12	G-SB-671RE-13	G-SB-671B-11	G-SB-671C-11	G-SB-671D-11	G-SB-704-11	G-SB-704-12	G-SB-704-15	G-SB-706-11	G-SB-706-12
SAMPLE DATE	20091029	20091029	20091029	20091029	20091111	20091111	20091111	20090923	20090923	20090923	20090922	20090922
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	11	12	13	11	11	11	11	12	15	11	12
BOTTOM DEPTH	11	11	12	13	11	11	11	11	12	15	11	12
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	4.1E-08	2.9E-09	2.8E-09	2.6E-09	2.9E-09	2.8E-09
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.8E-09	4.1E-08	2.9E-09	2.8E-09	2.6E-09	2.9E-09	2.8E-09
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	8.8E-07	6.4E-08	6.0E-08	5.6E-08	6.4E-08	6.0E-08
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	6.0E-08	8.8E-07	6.4E-08	6.0E-08	5.6E-08	6.4E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-706	SB-706	SB-706	SB-716	SB-716	SB-716	SB-726	SB-726	SB-726	SB-726	SB-726	SB-726
SAMPLE ID	G-SB-706-13	G-SB-706-14	G-SB-706-15	G-SB-716-11	G-SB-716-12	G-SB-716-15	G-SB-726-11	G-SB-726-12	G-SB-726-13	G-SB-726-14	G-SB-726-15	G-SB-726-15-AVG
SAMPLE DATE	20090922	20090922	20090922	20090923	20090923	20090923	20091008	20091008	20091008	20091008	20091008	20091008
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	14	15	11	12	15	11	12	13	14	15	15
BOTTOM DEPTH	13	14	15	11	12	15	11	12	13	14	15	15
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	3.8E-09	3.8E-09	8.8E-09	3.2E-08	4.0E-09	3.9E-09
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	3.8E-09	3.8E-09	8.8E-09	3.2E-08	4.0E-09	3.9E-09
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	8.3E-08	8.3E-08	1.9E-07	6.8E-07	8.6E-08	8.5E-08
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	8.3E-08	8.3E-08	1.9E-07	6.8E-07	8.6E-08	8.5E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-726	SB-735	SB-735B	SB-735C	SB-736B	SB-736C	SB-736C	SB-736C	SB-761	SB-761	SB-761
SAMPLE ID	G-SB-726-15-D	G-SB-735-11	G-SB-735B-11	G-SB-735C-11	G-SB-736B-11	G-SB-736C-11	G-SB-736C-11-AVG	G-SB-736C-11-D	G-SB-761-11	G-SB-761-13	G-SB-761-15
SAMPLE DATE	20091008	20091103	20091112	20091112	20091112	20091112	20091112	20091112	20090930	20090930	20090930
SAMPLE CODE	DUP	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	ORIG
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	11	11	11	11	11	11	11	13	15
BOTTOM DEPTH	15	11	11	11	11	11	11	11	11	13	15
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	3.8E-09	4.8E-08	6.0E-08	7.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	1.2E-04	2.8E-06	2.8E-06
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	3.8E-09	4.8E-08	6.0E-08	7.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	1.2E-04	2.8E-06	2.8E-06
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	8.3E-08	1.0E-06	1.3E-06	1.7E-07	5.6E-08	5.6E-08	5.6E-08	5.6E-08	2.7E-03	6.0E-05	6.1E-05
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.3E-08	1.0E-06	1.3E-06	1.7E-07	5.6E-08	5.6E-08	5.6E-08	5.6E-08	2.7E-03	6.0E-05	6.1E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-761	SB-761	SB-761A	SB-761A	SB-761A	SB-761B	SB-761B	SB-761C	SB-761C	SB-761D	SB-761D
SAMPLE ID	G-SB-761-15-AVG	G-SB-761-15-D	G-SB-761A-11	G-SB-761A-13	G-SB-761A-15	G-SB-761B-11	G-SB-761B-15	G-SB-761C-11	G-SB-761C-15	G-SB-761D-11	G-SB-761D-13
SAMPLE DATE	20090930	20090930	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022	20091022
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	15	11	13	15	11	15	11	15	11	13
BOTTOM DEPTH	15	15	11	13	15	11	15	11	15	11	13
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.0E-06	1.2E-06	3.3E-07	7.7E-06	1.9E-06	9.7E-08	1.9E-06	1.6E-07	3.6E-06	8.1E-07	3.9E-06
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.0E-06	1.2E-06	3.3E-07	7.7E-06	1.9E-06	9.7E-08	1.9E-06	1.6E-07	3.6E-06	8.1E-07	3.9E-06
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	4.3E-05	2.5E-05	7.1E-06	1.7E-04	4.1E-05	2.1E-06	4.1E-05	3.4E-06	7.8E-05	1.8E-05	8.5E-05
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.3E-05	2.5E-05	7.1E-06	1.7E-04	4.1E-05	2.1E-06	4.1E-05	3.4E-06	7.8E-05	1.8E-05	8.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-761D	G-TP-2	MRC-MW12A	MRC-MW95D	OW-4	OW-4	OW-6	OW-6	SB-085	SB-086	SB-091	SB-091
SAMPLE ID	G-SB-761D-15	G-TP-2-5-13-14	MRC-MW12[1213]	MRC-MW95D-SO-214	OW-4-26	OW-4-30	OW-6-20	OW-6-30	SB-85-12	SB-86-12	G-SB-91RE-11	G-SB-91RE-12
SAMPLE DATE	20091022	20100921	20050517	20100513	20071127	20071127	20071129	20071129	20041115	20041115	20090930	20090930
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	13	12	214	26	30	20	30	12	12	11	12
BOTTOM DEPTH	15	14	13	214	26	30	20	30	12	12	11	12
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE				7.9E-13	1.5E-11	1.5E-11	1.6E-11	1.5E-11	1.5E-11	1.5E-11		
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE				2.5E-11	1.9E-10	1.9E-10	2.0E-10	1.9E-10	1.9E-10	1.9E-10		
BAP EQUIVALENT-HALFND	2.2E-05	1.1E-07							6.8E-07	1.4E-06	2.6E-09	6.7E-08
NAPHTHALENE		8.4E-11		8.0E-12	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10	1.3E-10		
AROCLOR-1254					2.0E-08	1.9E-08			1.4E-07	1.4E-07		
AROCLOR-1260					2.0E-08	1.9E-08			1.4E-07	1.4E-07		
ANTIMONY												
ARSENIC					1.2E-07	7.0E-08	4.0E-07	8.8E-08	3.6E-07	9.3E-08		
CADMIUM					2.7E-13	1.9E-13	5.5E-12	1.8E-13	5.9E-11	5.9E-11		
COBALT					7.0E-10	6.6E-10	1.8E-09	4.8E-10				
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL					4.3E-11	3.4E-11	1.1E-10	3.0E-11	1.7E-10	8.5E-11		
VANADIUM												
HEXAVALENT CHROMIUM					2.5E-07	2.5E-07	2.9E-07	2.5E-07	3.9E-07	3.0E-07		
TOTAL CANCER RISK	2.2E-05	1.1E-07		3.3E-11	4.0E-07	3.6E-07	7.0E-07	3.4E-07	1.7E-06	2.1E-06	2.6E-09	6.7E-08
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE				7.8E-12	1.5E-10	1.5E-10	1.6E-10	1.5E-10	1.5E-10	1.5E-10		
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE				1.3E-10	9.8E-10	9.6E-10	1.0E-09	9.8E-10	9.8E-10	9.8E-10		
BAP EQUIVALENT-HALFND	4.8E-04	2.4E-06							1.5E-05	3.1E-05	5.6E-08	1.5E-06
NAPHTHALENE		4.3E-10		4.0E-11	6.5E-10	6.4E-10	6.8E-10	6.5E-10	6.5E-10	6.5E-10		
AROCLOR-1254					9.9E-08	9.7E-08			6.9E-07	6.9E-07		
AROCLOR-1260					9.9E-08	9.7E-08			6.9E-07	6.9E-07		
ANTIMONY												
ARSENIC					9.1E-07	5.4E-07	3.1E-06	6.8E-07	2.8E-06	7.3E-07		
CADMIUM					5.5E-13	3.9E-13	1.1E-11	3.7E-13	1.2E-10	1.2E-10		
COBALT					1.4E-09	1.3E-09	3.7E-09	9.6E-10				
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL					8.7E-11	6.9E-11	2.2E-10	6.0E-11	3.4E-10	1.7E-10		
VANADIUM												
HEXAVALENT CHROMIUM					3.7E-06	3.7E-06	4.4E-06	3.7E-06	5.8E-06	4.5E-06		
TOTAL CANCER RISK	4.8E-04	2.4E-06		1.7E-10	4.8E-06	4.5E-06	7.5E-06	4.4E-06	2.5E-05	3.8E-05	5.6E-08	1.5E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-091	SB-091	SB-091	SB-091A	SB-091A	SB-091A	SB-091B	SB-091B	SB-091B	SB-091C	SB-091C
SAMPLE ID	G-SB-91RE-13	G-SB-91RE-14	G-SB-91RE-15	G-SB-91REA-11	G-SB-91REA-13	G-SB-91REA-15	G-SB-91REB-11	G-SB-91REB-13	G-SB-91REB-15	G-SB-91REC-11	G-SB-91REC-13
SAMPLE DATE	20090930	20090930	20090930	20091030	20091030	20091030	20091102	20091102	20091102	20091102	20091102
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	14	15	11	13	15	11	13	15	11	13
BOTTOM DEPTH	13	14	15	11	13	15	11	13	15	11	13
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	5.1E-06	3.8E-07	2.8E-09	2.6E-09	2.9E-07	2.8E-09	6.6E-08	2.2E-06	2.8E-09	2.4E-07	2.8E-09
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.1E-06	3.8E-07	2.8E-09	2.6E-09	2.9E-07	2.8E-09	6.6E-08	2.2E-06	2.8E-09	2.4E-07	2.8E-09
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	1.1E-04	8.2E-06	6.0E-08	5.6E-08	6.3E-06	6.0E-08	1.4E-06	4.7E-05	6.0E-08	5.2E-06	6.0E-08
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.1E-04	8.2E-06	6.0E-08	5.6E-08	6.3E-06	6.0E-08	1.4E-06	4.7E-05	6.0E-08	5.2E-06	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-091C	SB-091C	SB-091C	SB-092	SB-092	SB-092	SB-092	SB-092	SB-092C	SB-092C
SAMPLE ID	G-SB-91REC-15	G-SB-91REC-15-AVG	G-SB-91REC-15-D	G-SB-92RE-11	G-SB-92RE-12	G-SB-92RE-13	G-SB-92RE-14	G-SB-92RE-15	G-SB-92REC-11	G-SB-92REC-13
SAMPLE DATE	20091102	20091102	20091102	20090929	20090929	20090929	20090929	20090929	20091102	20091102
SAMPLE CODE	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	15	15	11	12	13	14	15	11	13
BOTTOM DEPTH	15	15	15	11	12	13	14	15	11	13
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	7.1E-07	6.6E-07	6.0E-07	2.8E-09	2.6E-09	1.1E-06	3.3E-06	2.2E-06	2.8E-09	3.6E-07
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC				1.2E-06	7.7E-07	1.4E-06	1.5E-06	2.0E-06		
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	7.1E-07	6.6E-07	6.0E-07	1.2E-06	7.7E-07	2.4E-06	4.8E-06	4.3E-06	2.8E-09	3.6E-07
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	1.5E-05	1.4E-05	1.3E-05	6.0E-08	5.6E-08	2.3E-05	7.1E-05	4.9E-05	6.0E-08	7.8E-06
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC				9.7E-06	6.0E-06	1.1E-05	1.2E-05	1.6E-05		
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	1.5E-05	1.4E-05	1.3E-05	9.7E-06	6.0E-06	3.4E-05	8.3E-05	6.5E-05	6.0E-08	7.8E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-092C	SB-092D	SB-092D	SB-092D	SB-762	SB-762	SB-762	SB-762A	SB-762A	SB-762A	SB-762B
SAMPLE ID	G-SB-92REC-15	G-SB-92RED-11	G-SB-92RED-13	G-SB-92RED-15	G-SB-762-11	G-SB-762-13	G-SB-762-15	G-SB-762A-11	G-SB-762A-13	G-SB-762A-15	G-SB-762B-11
SAMPLE DATE	20091102	20091102	20091102	20091102	20091001	20091001	20091001	20091022	20091022	20091022	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.6E-09	1.5E-07	5.0E-06	7.0E-07	1.4E-06	1.7E-05	2.3E-07	4.3E-07	3.1E-07	4.6E-05	7.6E-07
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	1.5E-07	5.0E-06	7.0E-07	1.4E-06	1.7E-05	2.3E-07	4.3E-07	3.1E-07	4.6E-05	7.6E-07
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	5.6E-08	3.2E-06	1.1E-04	1.5E-05	3.0E-05	3.6E-04	5.0E-06	9.4E-06	6.6E-06	1.0E-03	1.6E-05
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	3.2E-06	1.1E-04	1.5E-05	3.0E-05	3.6E-04	5.0E-06	9.4E-06	6.6E-06	1.0E-03	1.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-762B	SB-762B	SB-762B	SB-762B	SB-762D	SB-762D	SB-762D	SB-763	SB-763	SB-763	SB-763A
SAMPLE ID	G-SB-762B-11-AVG	G-SB-762B-11-D	G-SB-762B-13	G-SB-762B-15	G-SB-762D-11	G-SB-762D-13	G-SB-762D-15	G-SB-763-11	G-SB-763-13	G-SB-763-15	G-SB-763A-11
SAMPLE DATE	20091023	20091023	20091023	20091023	20091022	20091022	20091022	20091001	20091002	20091002	20091023
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	11	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	7.3E-07	7.0E-07	1.1E-06	7.6E-06	4.0E-05	9.4E-06	2.1E-07	2.9E-07	3.4E-06	9.9E-06	1.2E-05
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.3E-07	7.0E-07	1.1E-06	7.6E-06	4.0E-05	9.4E-06	2.1E-07	2.9E-07	3.4E-06	9.9E-06	1.2E-05
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	1.6E-05	1.5E-05	2.4E-05	1.6E-04	8.6E-04	2.0E-04	4.5E-06	6.3E-06	7.5E-05	2.2E-04	2.5E-04
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.6E-05	1.5E-05	2.4E-05	1.6E-04	8.6E-04	2.0E-04	4.5E-06	6.3E-06	7.5E-05	2.2E-04	2.5E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-763A	SB-763A	SB-763B	SB-763B	SB-763B	SB-763C	SB-763C	SB-763C	SB-763D	SB-763D	SB-763D
SAMPLE ID	G-SB-763A-13	G-SB-763A-15	G-SB-763B-11	G-SB-763B-13	G-SB-763B-15	G-SB-763C-11	G-SB-763C-13	G-SB-763C-15	G-SB-763D-11	G-SB-763D-13	G-SB-763D-15
SAMPLE DATE	20091023	20091023	20091027	20091027	20091027	20091023	20091023	20091023	20091023	20091023	20091023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	13	15	11	13	15	11	13	15	11	13	15
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	2.6E-09	6.4E-08	1.0E-07	1.7E-07	6.4E-07	1.2E-05	4.2E-05	3.0E-05	2.8E-09	2.8E-09	3.1E-09
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	6.4E-08	1.0E-07	1.7E-07	6.4E-07	1.2E-05	4.2E-05	3.0E-05	2.8E-09	2.8E-09	3.1E-09
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	5.6E-08	1.4E-06	2.2E-06	3.7E-06	1.4E-05	2.5E-04	9.1E-04	6.6E-04	6.0E-08	6.0E-08	6.8E-08
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	1.4E-06	2.2E-06	3.7E-06	1.4E-05	2.5E-04	9.1E-04	6.6E-04	6.0E-08	6.0E-08	6.8E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-764	SB-764	SB-764	SB-764A	SB-764C	SB-764D	SB-765	SB-765	SB-765	SB-803	SB-803	SB-803
SAMPLE ID	G-SB-764-11	G-SB-764-13	G-SB-764-15	G-SB-764A-11	G-SB-764C-11	G-SB-764D-11	G-SB-765-11	G-SB-765-13	G-SB-765-15	G-SB-803-11	G-SB-803-13	G-SB-803-15
SAMPLE DATE	20091002	20091002	20091002	20091027	20091027	20091027	20091002	20091002	20091002	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	11	11	11	13	15	11	13	15
BOTTOM DEPTH	11	13	15	11	11	11	11	13	15	11	13	15
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	2.3E-07	9.3E-08	2.8E-09	8.6E-06	1.5E-07	2.0E-07	2.6E-09	5.9E-08	2.9E-09	6.6E-09	1.2E-06	7.6E-07
NAPHTHALENE										8.2E-11	9.5E-11	8.4E-11
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.3E-07	9.3E-08	2.8E-09	8.6E-06	1.5E-07	2.0E-07	2.6E-09	5.9E-08	2.9E-09	6.7E-09	1.2E-06	7.6E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	5.0E-06	2.0E-06	6.0E-08	1.9E-04	3.3E-06	4.3E-06	5.6E-08	1.3E-06	6.4E-08	1.4E-07	2.6E-05	1.6E-05
NAPHTHALENE										4.1E-10	4.8E-10	4.3E-10
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.0E-06	2.0E-06	6.0E-08	1.9E-04	3.3E-06	4.3E-06	5.6E-08	1.3E-06	6.4E-08	1.4E-07	2.6E-05	1.6E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-804	SB-804	SB-804	SB-805	SB-805	SB-805	SB-806	SB-806	SB-807	SB-807	SB-807	SB-808	SB-808
SAMPLE ID	G-SB-804-11	G-SB-804-13	G-SB-804-15	G-SB-805-11	G-SB-805-13	G-SB-805-15	G-SB-806-11	G-SB-806-15	G-SB-807-11	G-SB-807-13	G-SB-807-15	G-SB-808-11	G-SB-808-13
SAMPLE DATE	20100823	20100823	20100823	20100824	20100824	20100824	20100824	20100824	20100825	20100825	20100825	20100825	20100825
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	15	11	13	15	11	13
BOTTOM DEPTH	11	13	15	11	13	15	11	15	11	13	15	11	13
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND	6.5E-07	2.3E-06	4.3E-06	6.9E-09	7.1E-09	7.1E-09	3.2E-07	2.7E-06	6.9E-09	2.6E-07	7.3E-09	4.4E-07	5.0E-06
NAPHTHALENE	9.1E-11	1.7E-10	2.2E-10	8.7E-11	8.9E-11	8.9E-11	8.7E-11	1.6E-09	8.7E-11	8.9E-11	9.1E-11	8.0E-11	1.6E-10
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	6.5E-07	2.3E-06	4.3E-06	7.0E-09	7.2E-09	7.2E-09	3.2E-07	2.7E-06	7.0E-09	2.6E-07	7.4E-09	4.4E-07	5.0E-06
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND	1.4E-05	5.0E-05	9.3E-05	1.5E-07	1.5E-07	1.5E-07	6.9E-06	5.9E-05	1.5E-07	5.6E-06	1.6E-07	9.5E-06	1.1E-04
NAPHTHALENE	4.6E-10	8.5E-10	1.1E-09	4.4E-10	4.5E-10	4.5E-10	4.4E-10	8.1E-09	4.4E-10	4.5E-10	4.6E-10	4.0E-10	8.2E-10
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.4E-05	5.0E-05	9.3E-05	1.5E-07	1.5E-07	1.5E-07	6.9E-06	5.9E-05	1.5E-07	5.6E-06	1.6E-07	9.5E-06	1.1E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-808	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810	SB-811	SB-811	SB-811	SB-812	SB-812	SB-813
SAMPLE ID	G-SB-808-15	G-SB-809-11	G-SB-809-13	G-SB-809-15	G-SB-810-11	G-SB-810-13	G-SB-810-15	G-SB-811-11	G-SB-811-13	G-SB-811-15	G-SB-812-11	G-SB-812-15	G-SB-813-11
SAMPLE DATE	20100825	20100825	20100825	20100825	20100823	20100823	20100823	20100823	20100823	20100823	20100824	20100824	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11	15	11
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11	15	11
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND	6.9E-09	6.6E-09	6.3E-06	2.0E-08	7.3E-09	5.4E-08	7.4E-08	7.4E-09	8.2E-08	7.1E-09	7.1E-09	1.4E-06	6.9E-09
NAPHTHALENE	8.7E-11	8.2E-11	1.1E-09	9.3E-11	9.1E-11	8.7E-11	8.9E-11	9.3E-11	8.4E-11	8.9E-11	8.9E-11	8.2E-10	8.7E-11
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	7.0E-09	6.7E-09	6.3E-06	2.0E-08	7.4E-09	5.4E-08	7.5E-08	7.5E-09	8.2E-08	7.2E-09	7.2E-09	1.4E-06	7.0E-09
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND	1.5E-07	1.4E-07	1.4E-04	4.4E-07	1.6E-07	1.2E-06	1.6E-06	1.6E-07	1.8E-06	1.5E-07	1.5E-07	3.1E-05	1.5E-07
NAPHTHALENE	4.4E-10	4.1E-10	5.5E-09	4.7E-10	4.6E-10	4.4E-10	4.5E-10	4.7E-10	4.3E-10	4.5E-10	4.5E-10	4.1E-09	4.4E-10
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL CANCER RISK	1.5E-07	1.4E-07	1.4E-04	4.4E-07	1.6E-07	1.2E-06	1.6E-06	1.6E-07	1.8E-06	1.5E-07	1.5E-07	3.1E-05	1.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-813	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-813-13	G-SB-813-15	G-SB-813-15-AVG	G-SB-813-15-D
SAMPLE DATE	20100826	20100826	20100826	20100826
SAMPLE CODE	NORMAL	ORIG	AVG	DUP
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	15	15
BOTTOM DEPTH	13	15	15	15
INDUSTRIAL				
1,2,3-TRICHLOROBENZENE				
1,2,4-TRICHLOROBENZENE				
1,3-DICHLOROBENZENE				
1,4-DICHLOROBENZENE				
BAP EQUIVALENT-HALFND	2.1E-06	6.8E-06	6.8E-06	
NAPHTHALENE	5.6E-10	3.7E-10	3.7E-10	
AROCLOR-1254				
AROCLOR-1260				
ANTIMONY				
ARSENIC				
CADMIUM				
COBALT				
IRON				
LEAD				
MANGANESE				
MERCURY				
MOLYBDENUM				
NICKEL				
VANADIUM				
HEXAVALENT CHROMIUM				
TOTAL CANCER RISK	2.1E-06	6.8E-06	6.8E-06	
RESIDENTIAL				
1,2,3-TRICHLOROBENZENE				
1,2,4-TRICHLOROBENZENE				
1,3-DICHLOROBENZENE				
1,4-DICHLOROBENZENE				
BAP EQUIVALENT-HALFND	4.6E-05	1.5E-04	1.5E-04	
NAPHTHALENE	2.8E-09	1.9E-09	1.9E-09	
AROCLOR-1254				
AROCLOR-1260				
ANTIMONY				
ARSENIC				
CADMIUM				
COBALT				
IRON				
LEAD				
MANGANESE				
MERCURY				
MOLYBDENUM				
NICKEL				
VANADIUM				
HEXAVALENT CHROMIUM				
TOTAL CANCER RISK	4.6E-05	1.5E-04	1.5E-04	

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-4.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	G-TP-2	MRC-MW95D	OW-4	OW-4	OW-6	OW-6	SB-085	SB-086	SB-092	SB-092	SB-092
SAMPLE ID	G-TP-2-5-13-14	MRC-MW95D-SO-214	OW-4-26	OW-4-30	OW-6-20	OW-6-30	SB-85-12	SB-86-12	G-SB-92RE-11	G-SB-92RE-12	G-SB-92RE-13
SAMPLE DATE	20100921	20100513	20071127	20071127	20071129	20071129	20041115	20041115	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	214	26	30	20	30	12	12	11	12	13
BOTTOM DEPTH	14	214	26	30	20	30	12	12	11	12	13
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE		1.3E-07	1.8E-06	1.8E-06	1.9E-06	1.8E-06	1.8E-06	1.8E-06			
1,2,4-TRICHLOROBENZENE		4.4E-07	8.5E-06	8.4E-06	8.8E-06	8.5E-06	8.5E-06	8.5E-06			
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE		1.1E-08	8.9E-08	8.7E-08	9.2E-08	8.9E-08	8.9E-08	8.9E-08			
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.4E-06	2.3E-07	3.8E-06	3.7E-06	3.9E-06	3.8E-06	3.8E-06	3.8E-06			
AROCLOR-1254			1.4E-03	1.4E-03			9.8E-03	9.8E-03			
AROCLOR-1260											
ANTIMONY			6.4E-04	1.1E-04	1.4E-04	1.1E-04	3.0E-03	3.0E-03			
ARSENIC			7.3E-04	4.3E-04	2.5E-03	5.5E-04	2.2E-03	5.8E-04	7.8E-03	4.8E-03	8.4E-03
CADMIUM			7.5E-06	5.3E-06	1.5E-04	5.0E-06	1.6E-03	1.6E-03			
COBALT			5.8E-03	5.4E-03	1.5E-02	3.9E-03					
IRON			1.7E-02	6.6E-03	8.1E-03	4.8E-03					
LEAD											
MANGANESE			1.4E-02	6.8E-03	1.2E-02	2.7E-03					
MERCURY			4.7E-05	4.7E-05	4.9E-05	4.7E-05	2.6E-04	2.4E-04			
MOLYBDENUM			1.1E-05	4.5E-06	9.4E-06	4.4E-06					
NICKEL			7.0E-04	5.5E-04	1.8E-03	4.8E-04	2.8E-03	1.4E-03			
VANADIUM			1.1E-03	1.3E-03	2.1E-03	2.1E-03					
HEXAVALENT CHROMIUM			4.6E-04	4.7E-04	5.4E-04	4.7E-04	7.2E-04	5.6E-04			
TOTAL HAZARD INDEX	2.4E-06	8.2E-07	4.2E-02	2.3E-02	4.3E-02	1.5E-02	2.0E-02	1.7E-02	7.8E-03	4.8E-03	8.4E-03
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE		3.5E-06	4.8E-05	4.7E-05	5.0E-05	4.8E-05	4.8E-05	4.8E-05			
1,2,4-TRICHLOROBENZENE		2.0E-06	3.9E-05	3.8E-05	4.0E-05	3.9E-05	3.9E-05	3.9E-05			
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE		1.1E-07	8.4E-07	8.3E-07	8.7E-07	8.4E-07	8.4E-07	8.4E-07			
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.1E-05	1.1E-06	1.8E-05	1.7E-05	1.8E-05	1.8E-05	1.8E-05	1.8E-05			
AROCLOR-1254			1.8E-02	1.7E-02			1.2E-01	1.2E-01			
AROCLOR-1260											
ANTIMONY			1.1E-02	1.8E-03	2.3E-03	1.8E-03	4.9E-02	4.9E-02			
ARSENIC			1.5E-02	8.8E-03	5.1E-02	1.1E-02	4.5E-02	1.2E-02	1.6E-01	9.7E-02	1.7E-01
CADMIUM			1.6E-04	1.1E-04	3.2E-03	1.1E-04	3.5E-02	3.5E-02			
COBALT			1.4E-01	1.3E-01	3.6E-01	9.2E-02					
IRON			4.1E-01	1.6E-01	1.9E-01	1.1E-01					
LEAD											
MANGANESE			1.4E-01	6.9E-02	1.2E-01	2.8E-02					
MERCURY			6.0E-04	6.0E-04	6.3E-04	6.0E-04	3.3E-03	3.0E-03			
MOLYBDENUM			2.5E-04	1.1E-04	2.2E-04	1.0E-04					
NICKEL			7.2E-03	5.7E-03	1.9E-02	4.9E-03	2.8E-02	1.4E-02			
VANADIUM			2.7E-02	3.1E-02	4.9E-02	5.0E-02					
HEXAVALENT CHROMIUM			4.0E-03	4.1E-03	4.8E-03	4.1E-03	6.3E-03	5.0E-03			
TOTAL HAZARD INDEX	1.1E-05	6.7E-06	7.7E-01	4.2E-01	8.0E-01	3.1E-01	2.9E-01	2.4E-01	1.6E-01	9.7E-02	1.7E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-092	SB-092	SB-803	SB-803	SB-803	SB-804	SB-804	SB-804	SB-805	SB-805	SB-805	SB-806
SAMPLE ID	G-SB-92RE-14	G-SB-92RE-15	G-SB-803-11	G-SB-803-13	G-SB-803-15	G-SB-804-11	G-SB-804-13	G-SB-804-15	G-SB-805-11	G-SB-805-13	G-SB-805-15	G-SB-806-11
SAMPLE DATE	20090929	20090929	20100826	20100826	20100826	20100823	20100823	20100823	20100824	20100824	20100824	20100824
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	14	15	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	14	15	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE			2.4E-06	2.8E-06	2.4E-06	2.6E-06	4.9E-06	6.3E-06	2.5E-06	2.6E-06	2.6E-06	2.5E-06
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC	9.4E-03	1.3E-02										
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	9.4E-03	1.3E-02	2.4E-06	2.8E-06	2.4E-06	2.6E-06	4.9E-06	6.3E-06	2.5E-06	2.6E-06	2.6E-06	2.5E-06
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND												
NAPHTHALENE			1.1E-05	1.3E-05	1.1E-05	1.2E-05	2.3E-05	2.9E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC	1.9E-01	2.6E-01										
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	1.9E-01	2.6E-01	1.1E-05	1.3E-05	1.1E-05	1.2E-05	2.3E-05	2.9E-05	1.2E-05	1.2E-05	1.2E-05	1.2E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-4.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-806	SB-807	SB-807	SB-807	SB-808	SB-808	SB-808	SB-809	SB-809	SB-809	SB-810	SB-810	SB-810
SAMPLE ID	G-SB-806-15	G-SB-807-11	G-SB-807-13	G-SB-807-15	G-SB-808-11	G-SB-808-13	G-SB-808-15	G-SB-809-11	G-SB-809-13	G-SB-809-15	G-SB-810-11	G-SB-810-13	G-SB-810-15
SAMPLE DATE	20100824	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100825	20100823	20100823	20100823
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	15	11	13	15	11	13	15	11	13	15	11	13	15
BOTTOM DEPTH	15	11	13	15	11	13	15	11	13	15	11	13	15
INDUSTRIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	4.6E-05	2.5E-06	2.6E-06	2.6E-06	2.3E-06	4.7E-06	2.5E-06	2.4E-06	3.1E-05	2.7E-06	2.6E-06	2.5E-06	2.6E-06
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	4.6E-05	2.5E-06	2.6E-06	2.6E-06	2.3E-06	4.7E-06	2.5E-06	2.4E-06	3.1E-05	2.7E-06	2.6E-06	2.5E-06	2.6E-06
RESIDENTIAL													
1,2,3-TRICHLOROBENZENE													
1,2,4-TRICHLOROBENZENE													
1,3-DICHLOROBENZENE													
1,4-DICHLOROBENZENE													
BAP EQUIVALENT-HALFND													
NAPHTHALENE	2.2E-04	1.2E-05	1.2E-05	1.2E-05	1.1E-05	2.2E-05	1.2E-05	1.1E-05	1.5E-04	1.3E-05	1.2E-05	1.2E-05	1.2E-05
AROCLOR-1254													
AROCLOR-1260													
ANTIMONY													
ARSENIC													
CADMIUM													
COBALT													
IRON													
LEAD													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
VANADIUM													
HEXAVALENT CHROMIUM													
TOTAL HAZARD INDEX	2.2E-04	1.2E-05	1.2E-05	1.2E-05	1.1E-05	2.2E-05	1.2E-05	1.1E-05	1.5E-04	1.3E-05	1.2E-05	1.2E-05	1.2E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

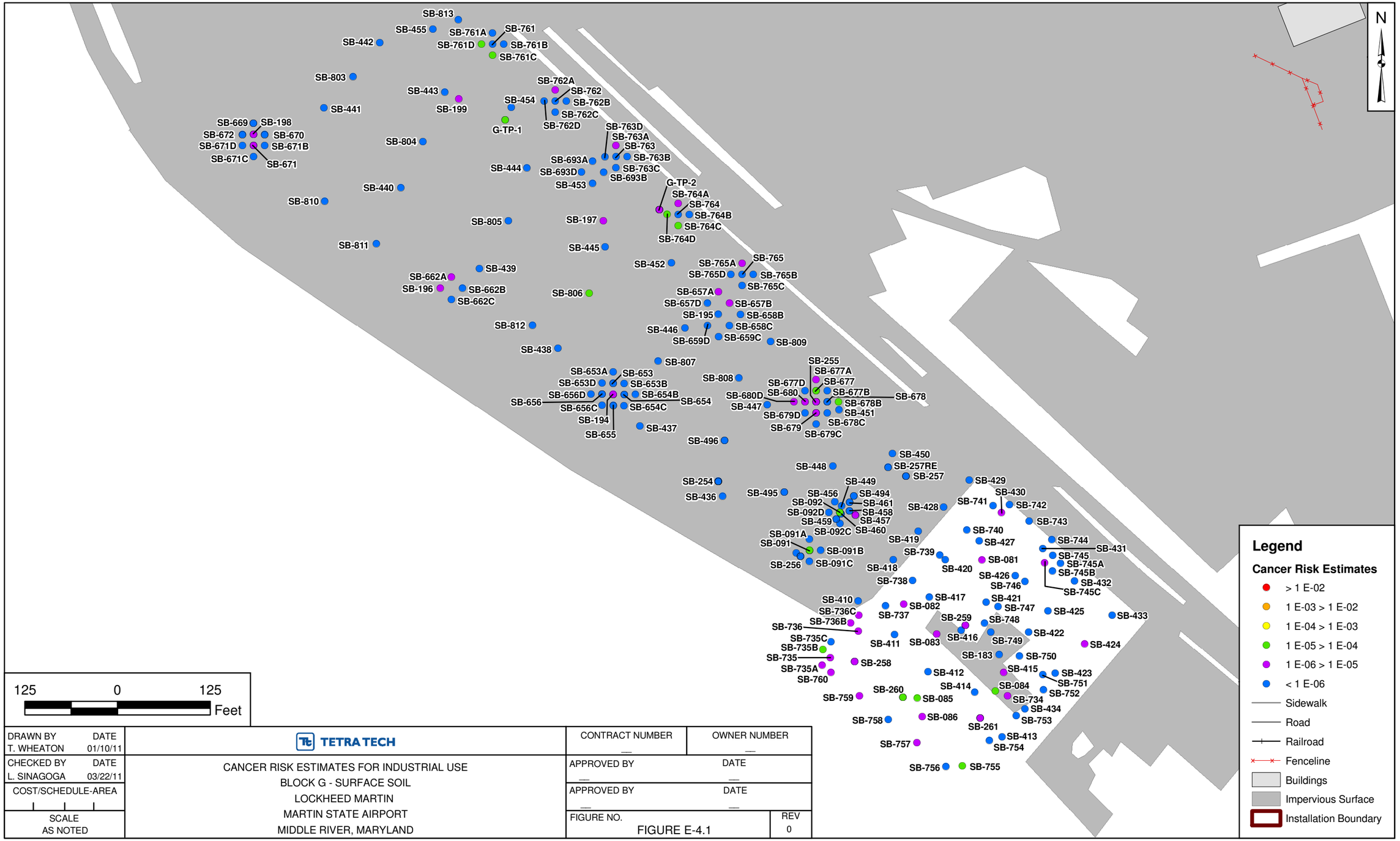
TABLE E-4.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATUATED SOIL
BLOCK G
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-811	SB-811	SB-811	SB-812	SB-812	SB-813	SB-813	SB-813
SAMPLE ID	G-SB-811-11	G-SB-811-13	G-SB-811-15	G-SB-812-11	G-SB-812-15	G-SB-813-11	G-SB-813-13	G-SB-813-15
SAMPLE DATE	20100823	20100823	20100823	20100824	20100824	20100826	20100826	20100826
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	15	11	13	15
BOTTOM DEPTH	11	13	15	11	15	11	13	15
INDUSTRIAL								
1,2,3-TRICHLOROBENZENE								
1,2,4-TRICHLOROBENZENE								
1,3-DICHLOROBENZENE								
1,4-DICHLOROBENZENE								
BAP EQUIVALENT-HALFND								
NAPHTHALENE	2.7E-06	2.4E-06	2.6E-06	2.6E-06	2.4E-05	2.5E-06	1.6E-05	1.1E-05
AROCLOR-1254								
AROCLOR-1260								
ANTIMONY								
ARSENIC								
CADMIUM								
COBALT								
IRON								
LEAD								
MANGANESE								
MERCURY								
MOLYBDENUM								
NICKEL								
VANADIUM								
HEXAVALENT CHROMIUM								
TOTAL HAZARD INDEX	2.7E-06	2.4E-06	2.6E-06	2.6E-06	2.4E-05	2.5E-06	1.6E-05	1.1E-05
RESIDENTIAL								
1,2,3-TRICHLOROBENZENE								
1,2,4-TRICHLOROBENZENE								
1,3-DICHLOROBENZENE								
1,4-DICHLOROBENZENE								
BAP EQUIVALENT-HALFND								
NAPHTHALENE	1.3E-05	1.1E-05	1.2E-05	1.2E-05	1.1E-04	1.2E-05	7.6E-05	5.0E-05
AROCLOR-1254								
AROCLOR-1260								
ANTIMONY								
ARSENIC								
CADMIUM								
COBALT								
IRON								
LEAD								
MANGANESE								
MERCURY								
MOLYBDENUM								
NICKEL								
VANADIUM								
HEXAVALENT CHROMIUM								
TOTAL HAZARD INDEX	1.3E-05	1.1E-05	1.2E-05	1.2E-05	1.1E-04	1.2E-05	7.6E-05	5.0E-05

Legend
Hazard Index Values

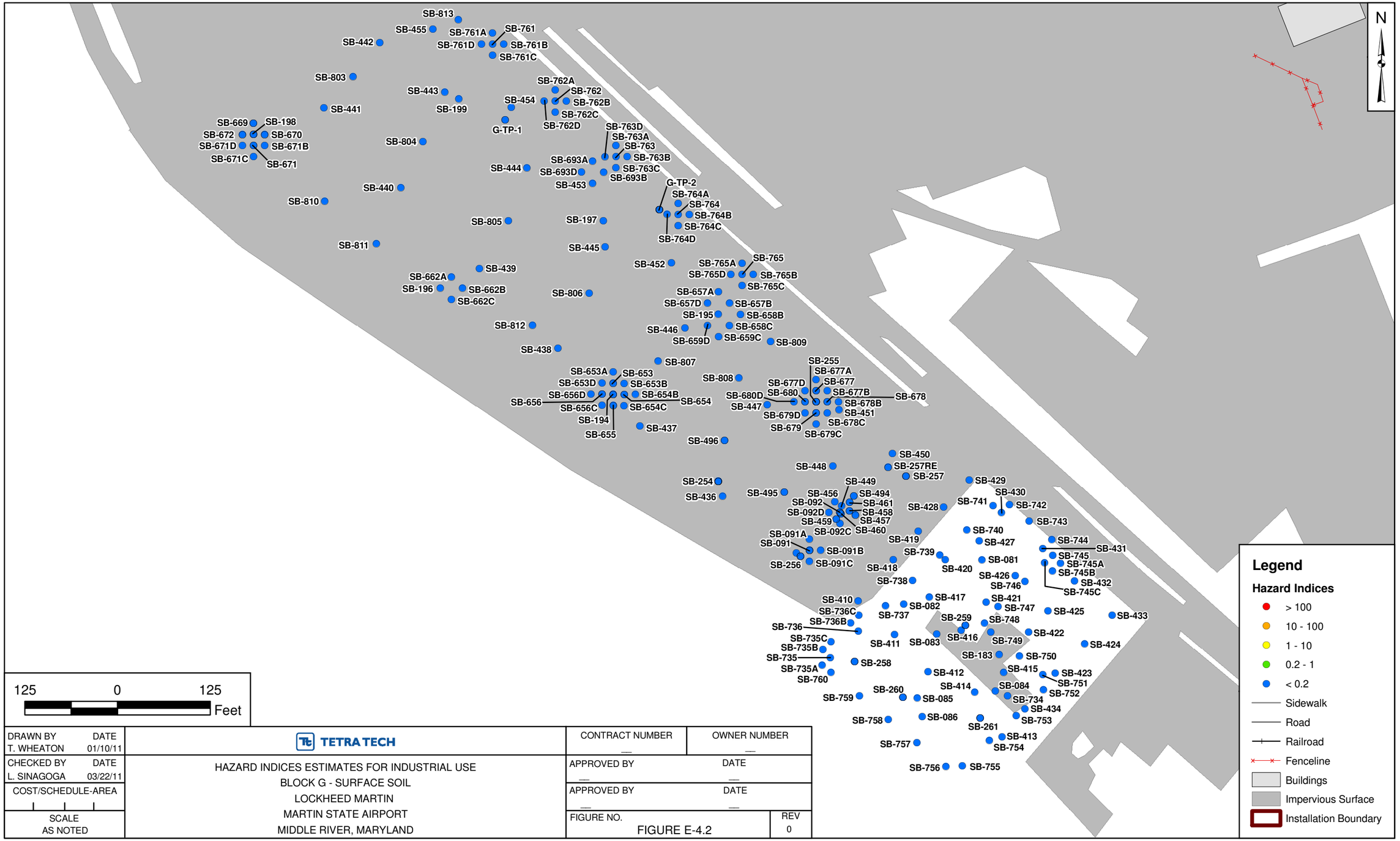
> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

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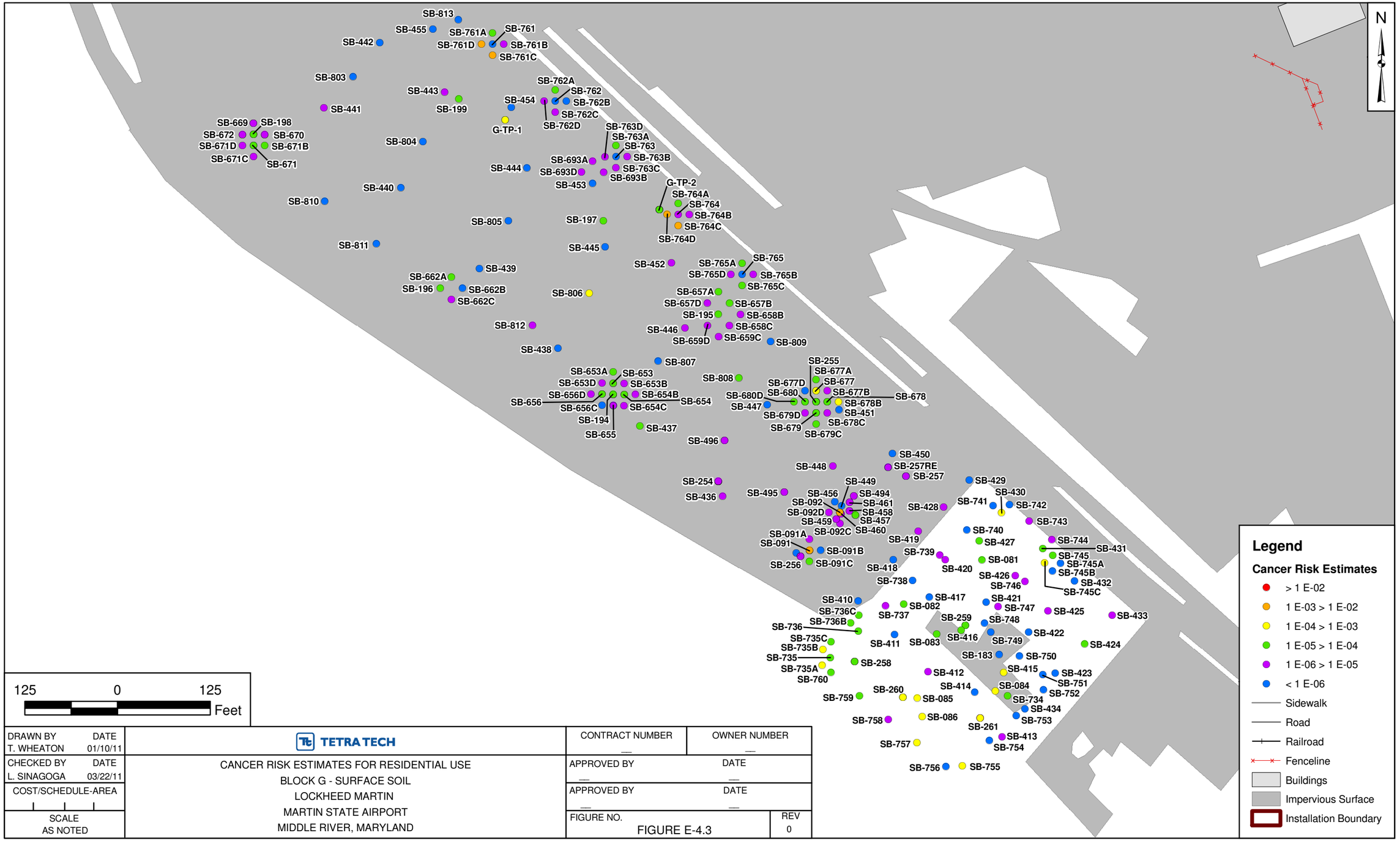
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CHECKED BY L. SINAGOGA	DATE 03/22/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK G - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.1 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SURFACE_INDUSTRIAL_HI.MXD 03/22/11 TW



DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK G - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.2 / REV 0

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Legend

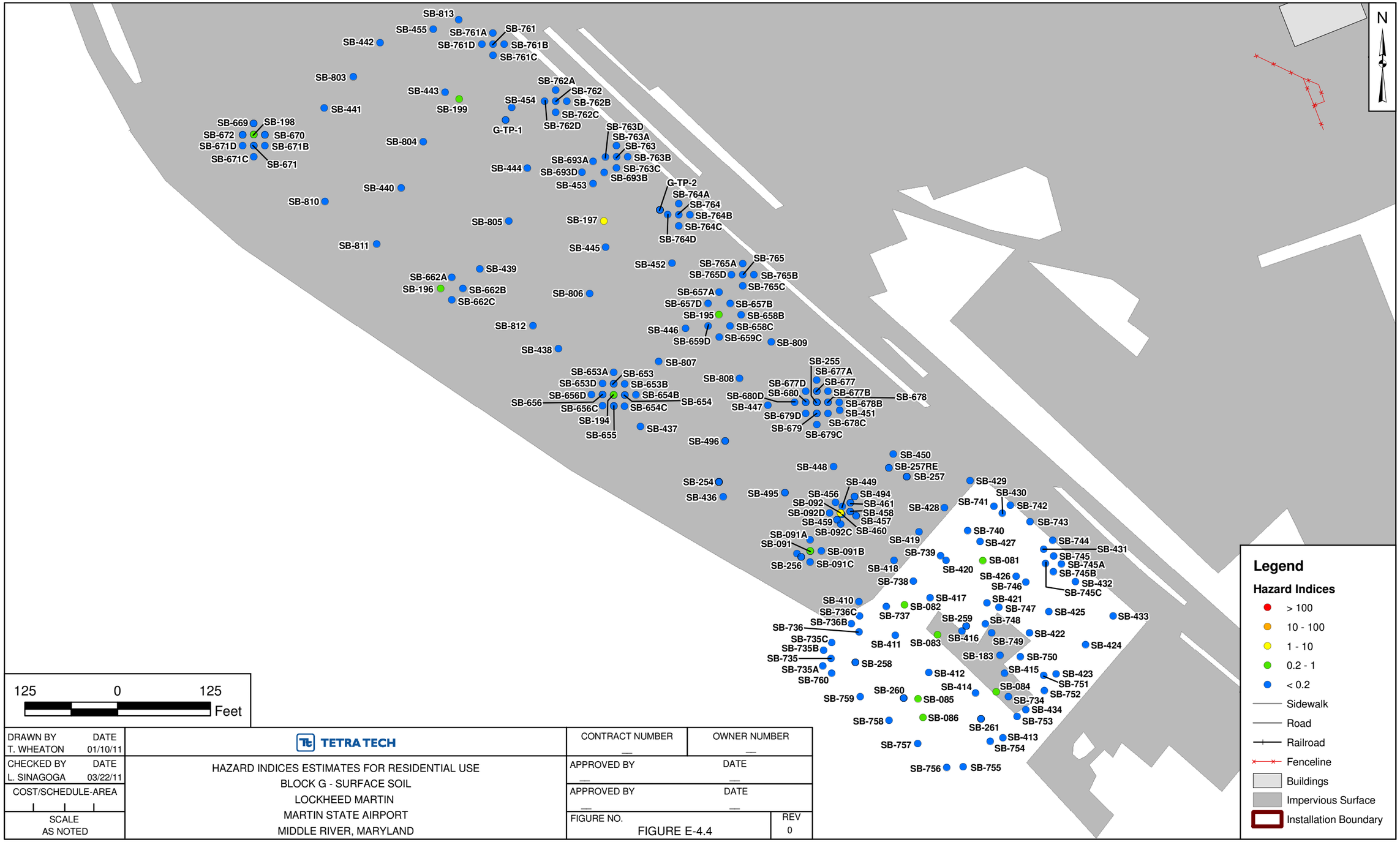
Cancer Risk Estimates

- > 1 E-02
- 1 E-03 > 1 E-02
- 1 E-04 > 1 E-03
- 1 E-05 > 1 E-04
- 1 E-06 > 1 E-05
- < 1 E-06
- Sidewalk
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

125 0 125 Feet

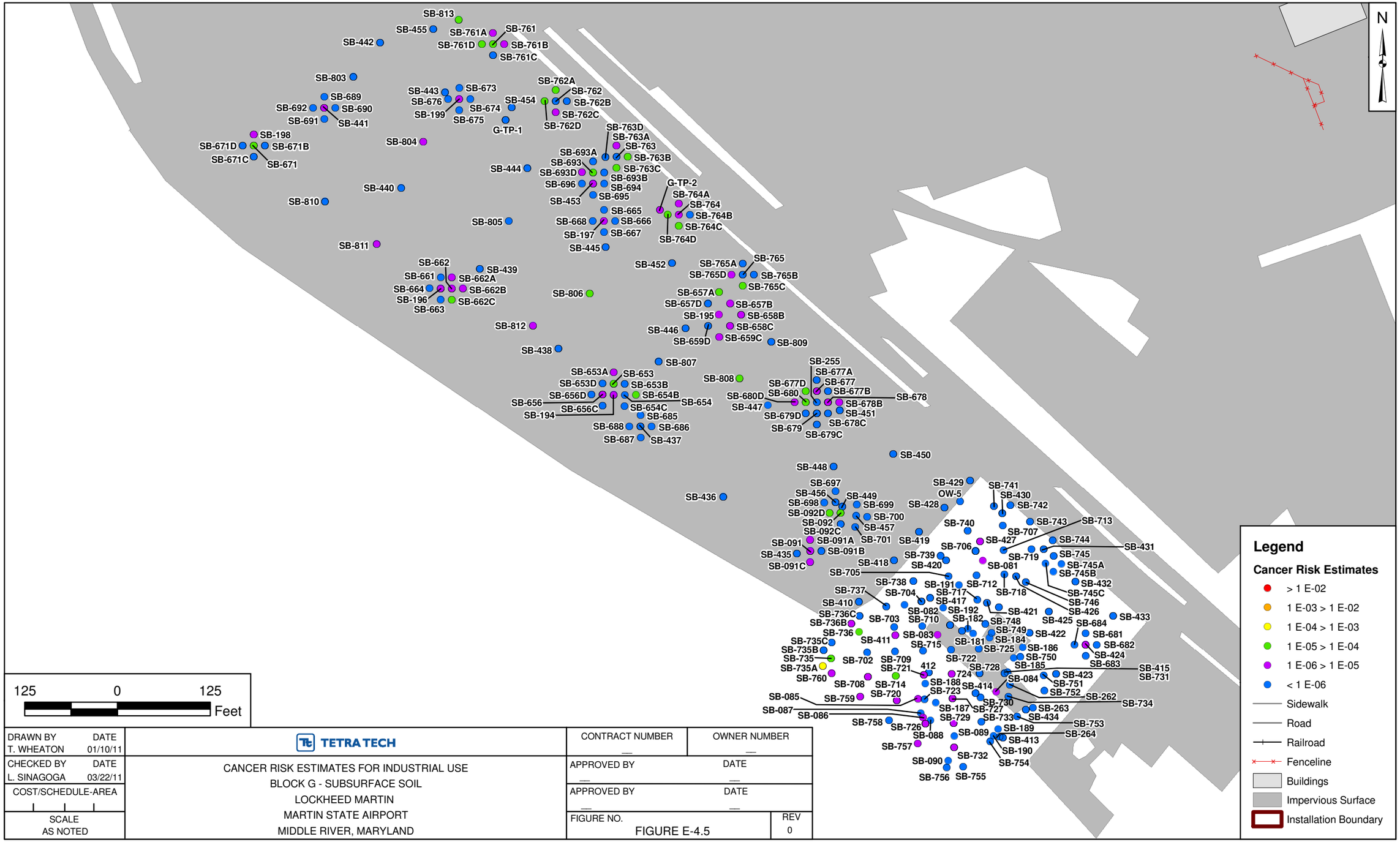
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CHECKED BY L. SINAGOGA	DATE 03/22/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE	APPROVED BY — / DATE —
COST/SCHEDULE-AREA		BLOCK G - SURFACE SOIL	APPROVED BY — / DATE —
SCALE AS NOTED		LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	FIGURE NO. FIGURE E-4.3 / REV 0

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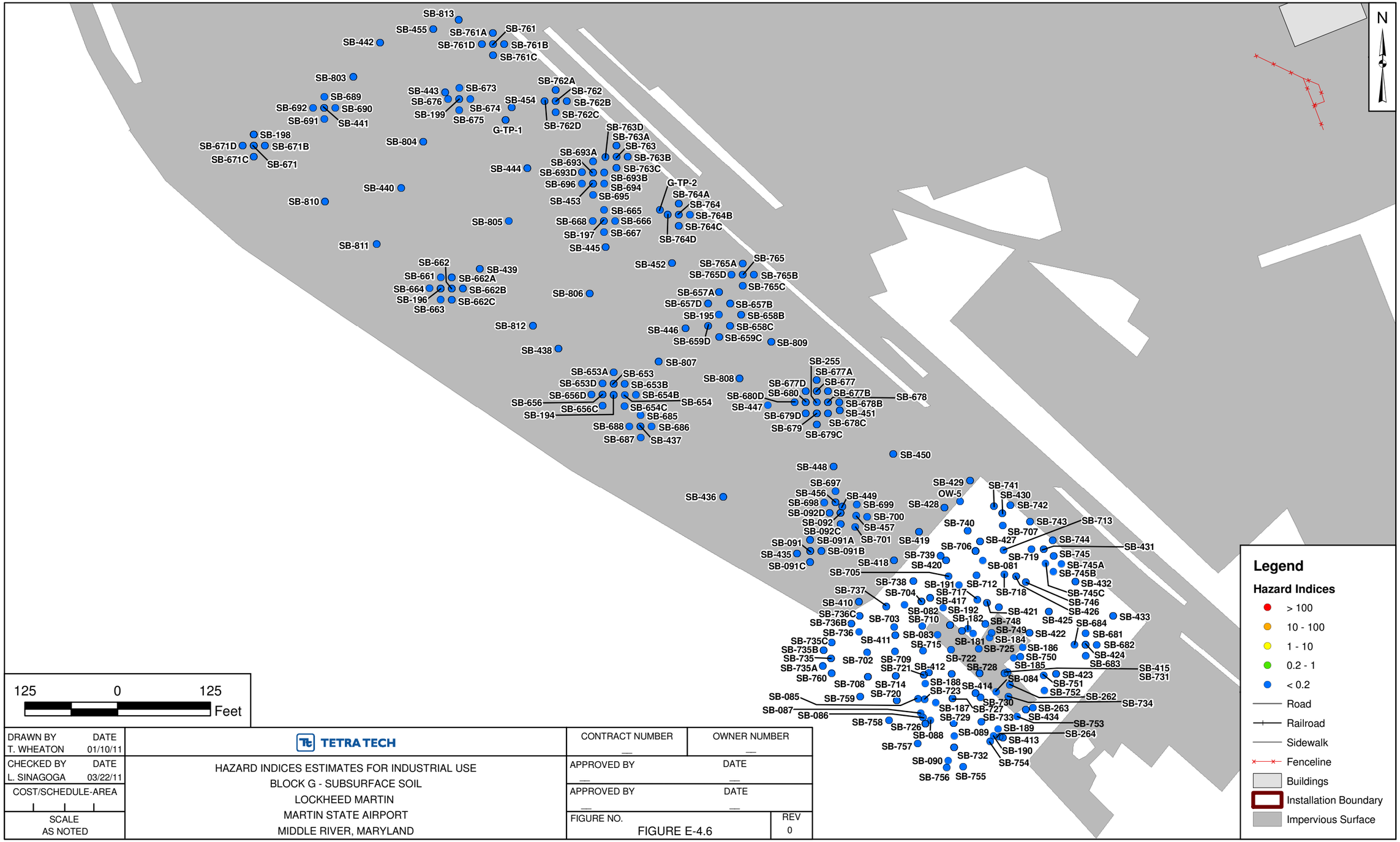
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CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK G - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.4 / REV 0

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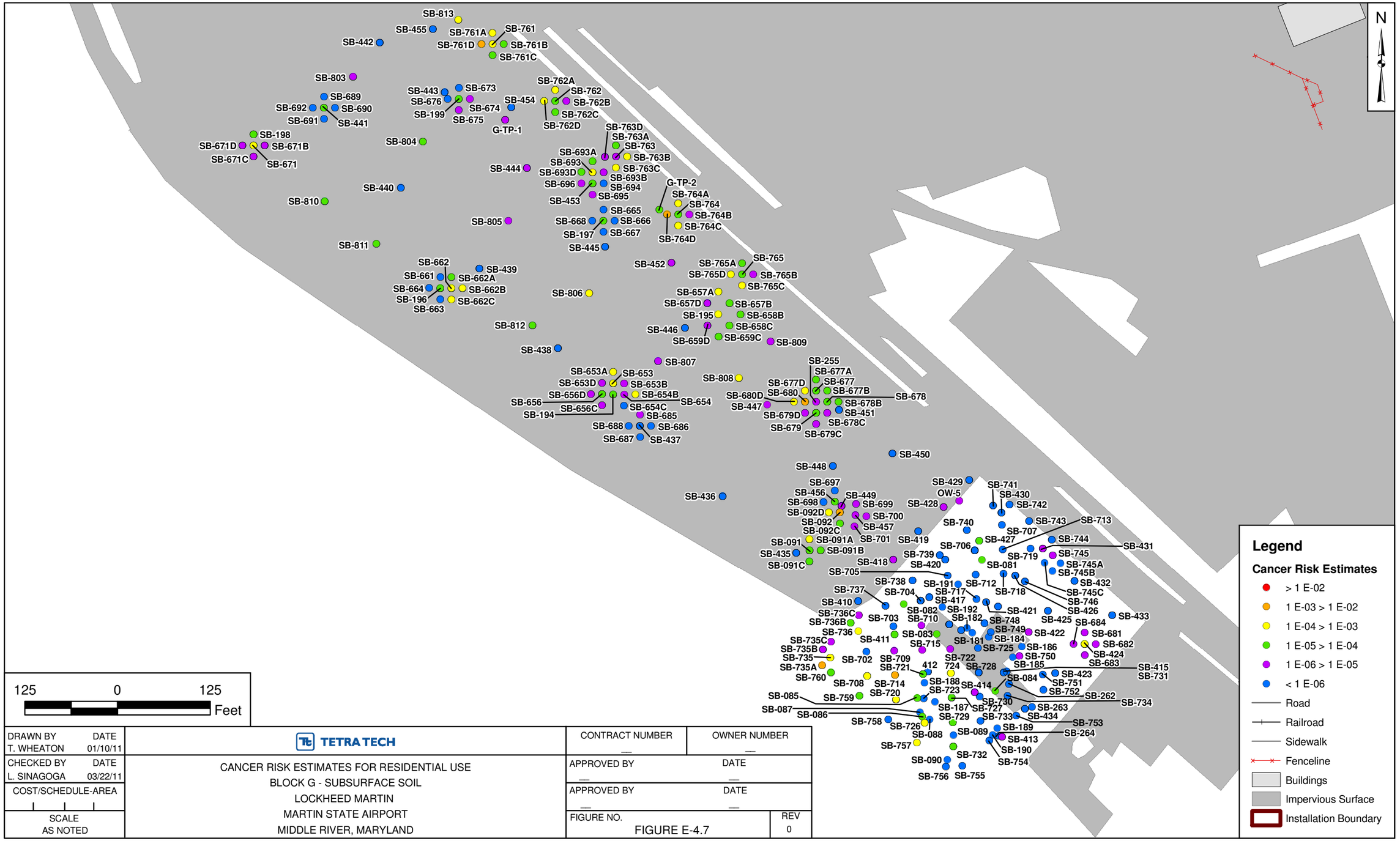
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CHECKED BY L. SINAGOGA	DATE 03/22/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK G - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.5 / REV 0

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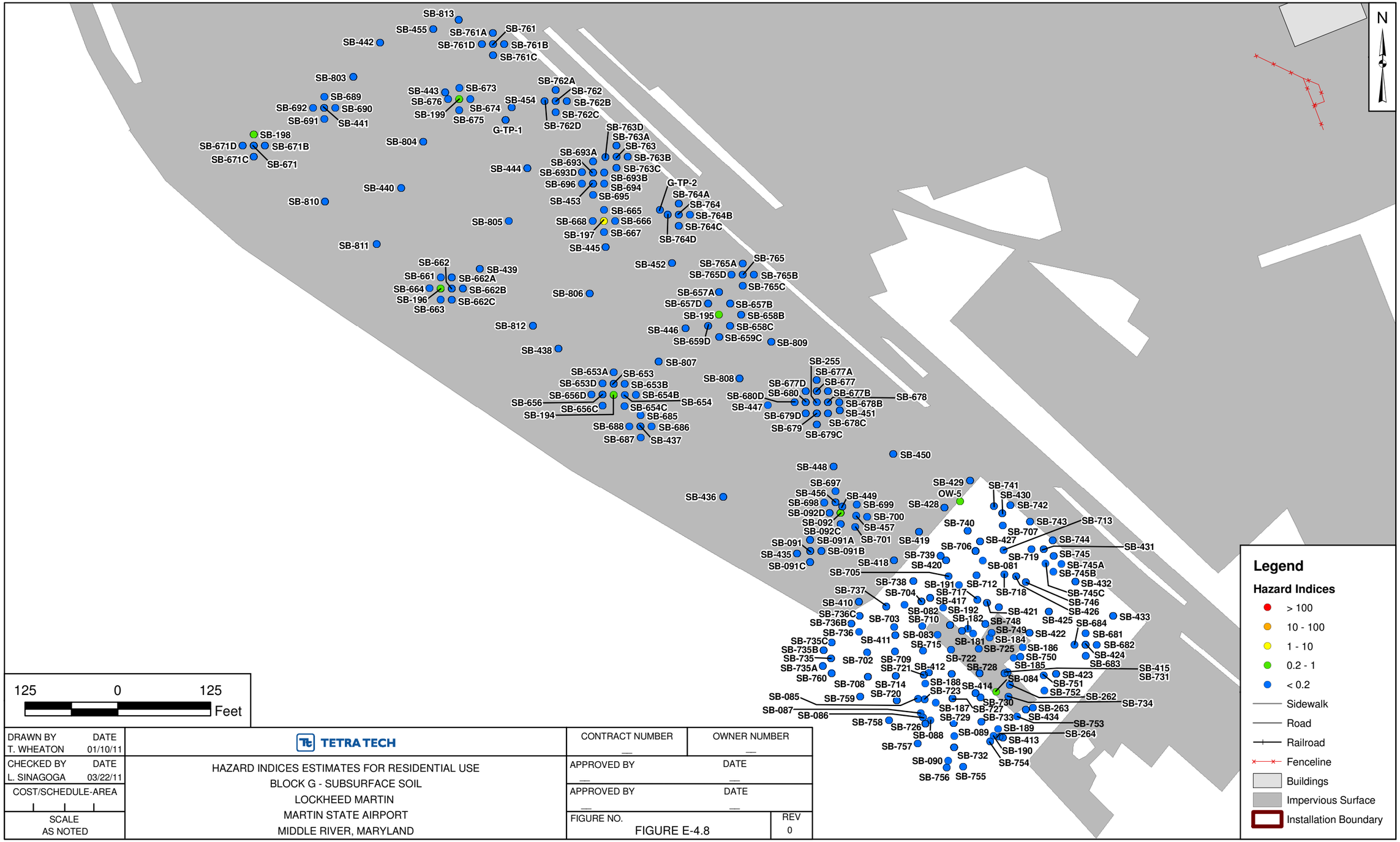
DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK G - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.6 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SUBSURFACE_RESIDENTIAL_CR.MXD 03/22/11 TW



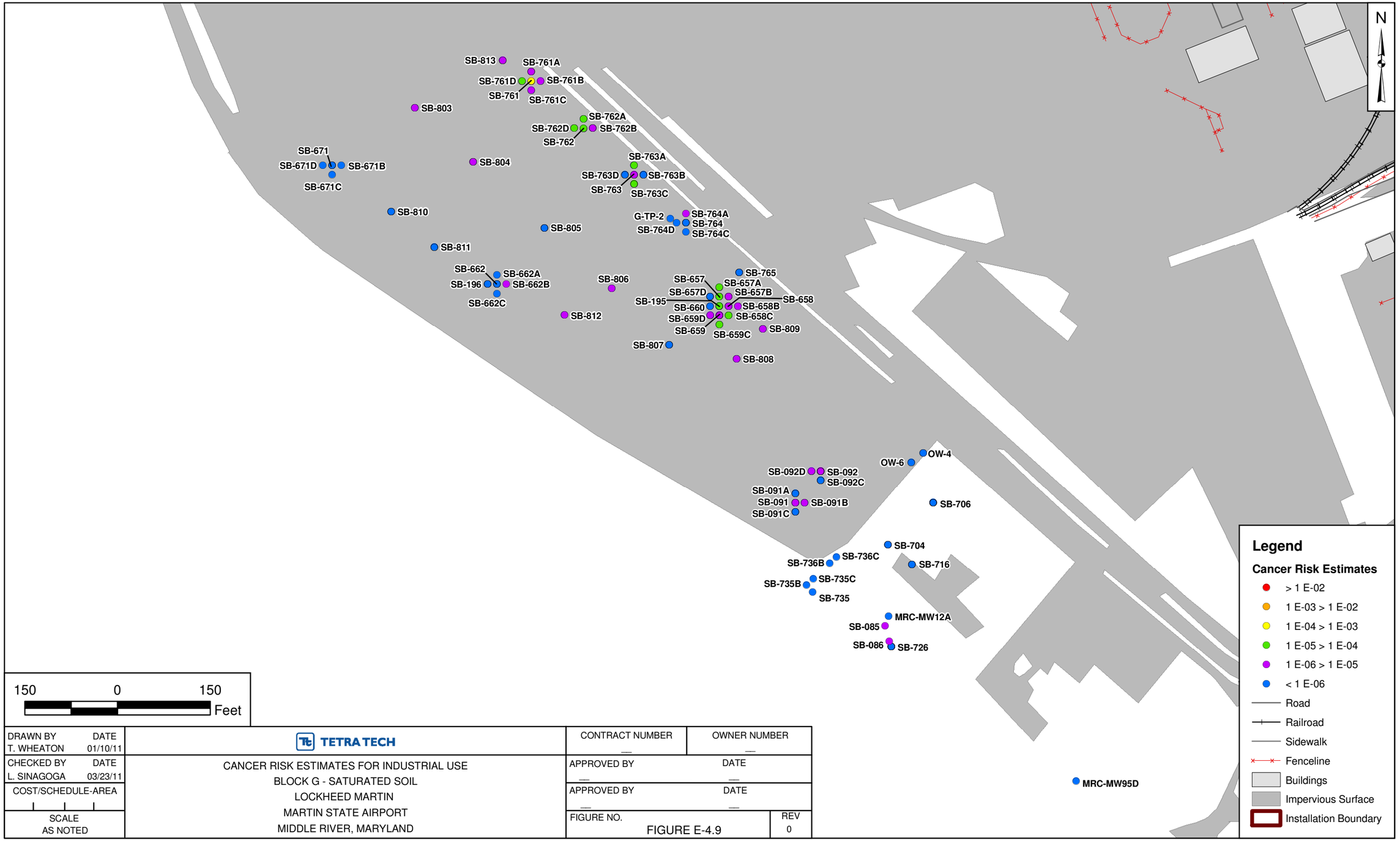
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CHECKED BY L. SINAGOGA	DATE 03/22/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK G - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.7 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SUBSURFACE_RESIDENTIAL_HI.MXD 03/22/11 TW



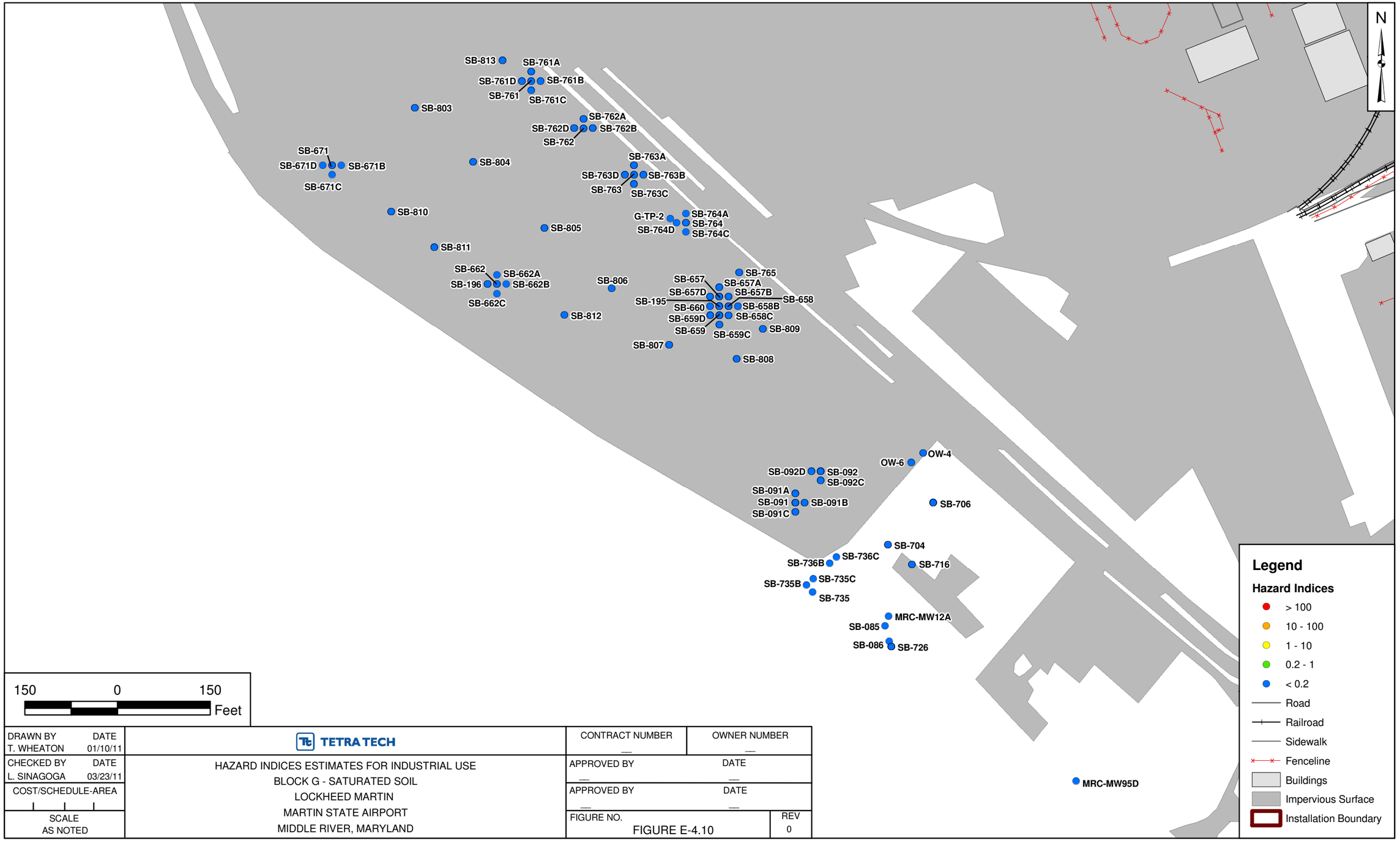
DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK G - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.8 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SATSOIL_INDUSTRIAL_CR.MXD 03/23/11 TW



DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK G - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.9 / REV 0

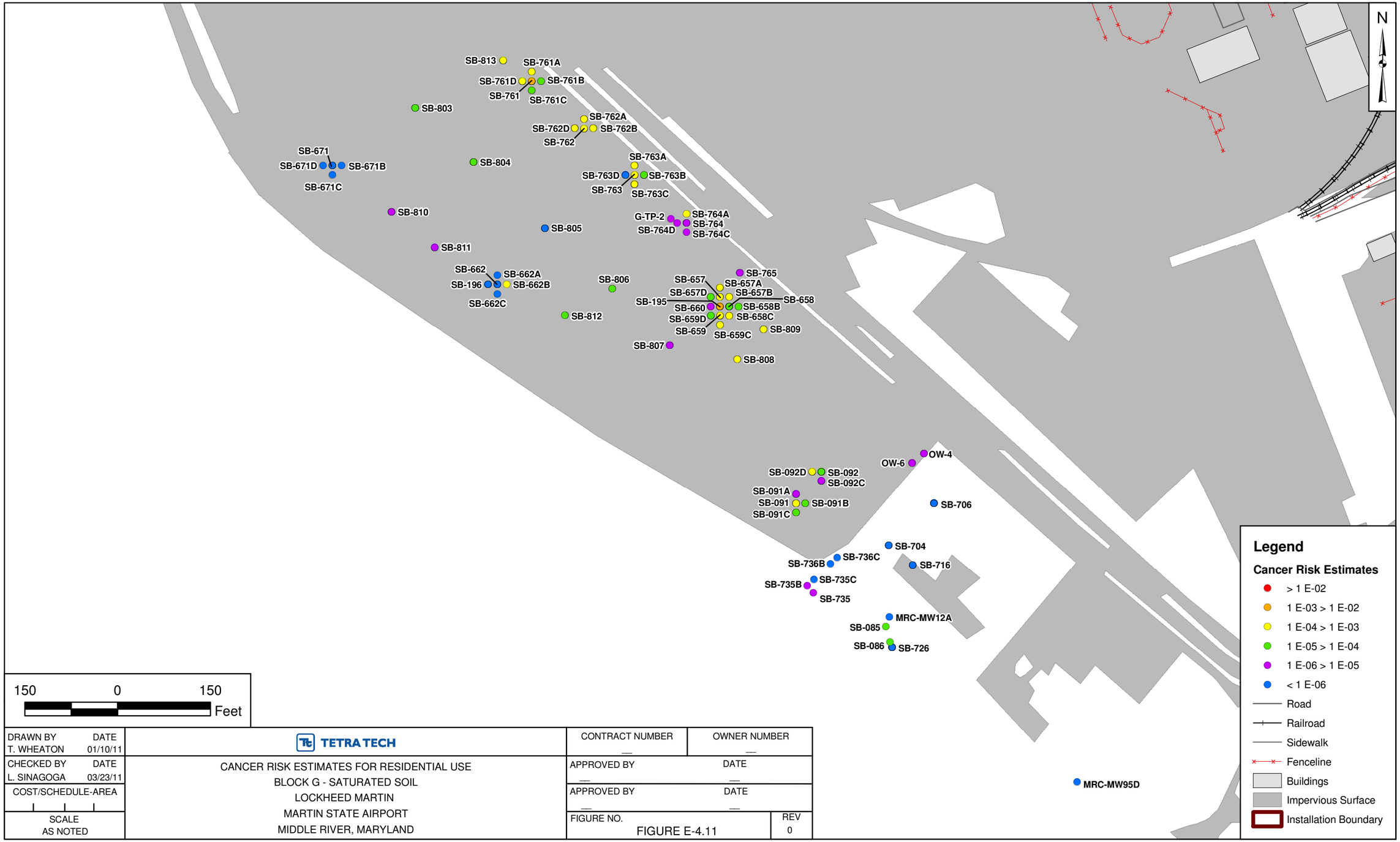
P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SATSOIL_INDUSTRIAL_HI.MXD 03/23/11 TW



150 0 150 Feet

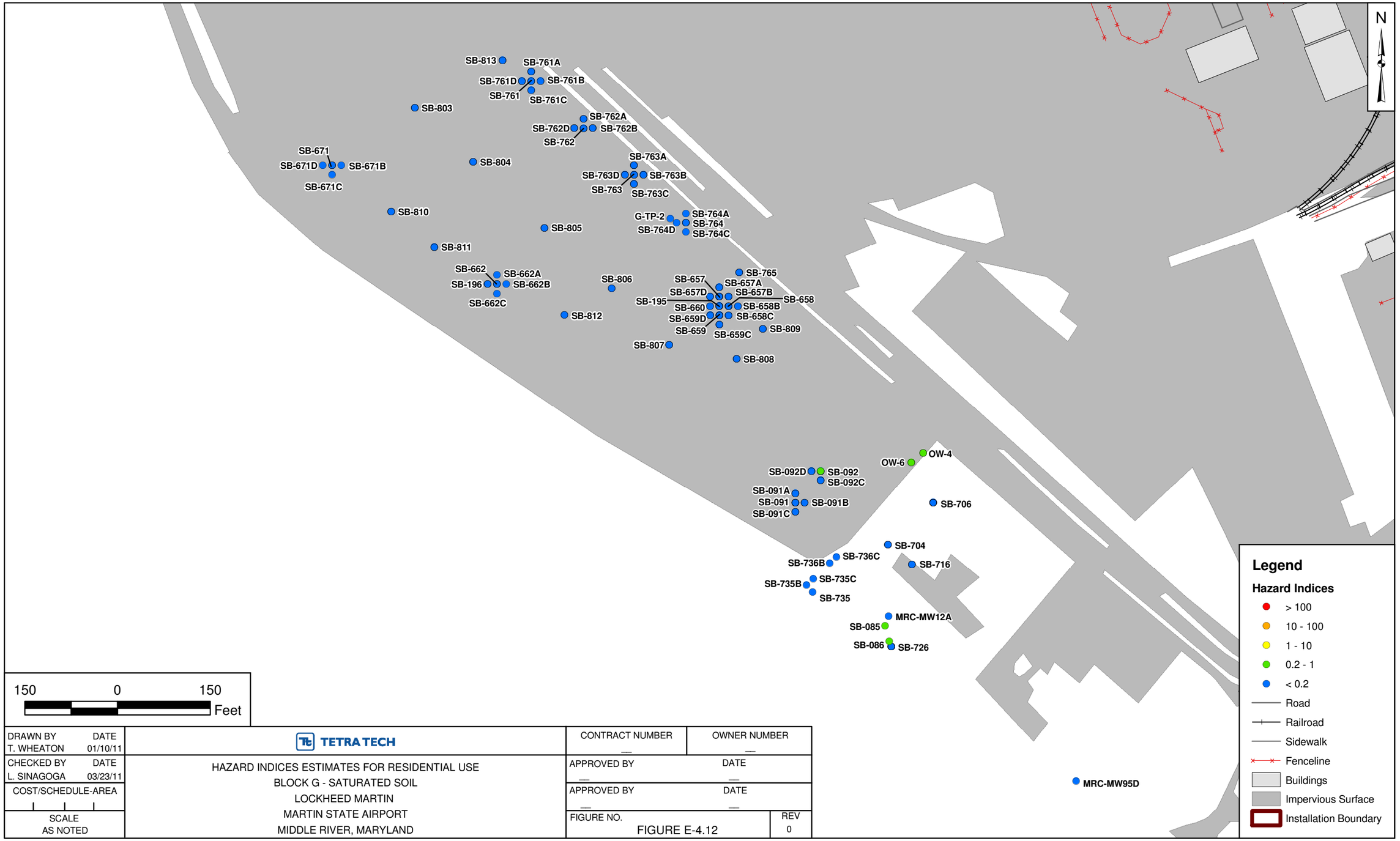
DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK G - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.10 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SATSOIL_RESIDENTIAL_CR.MXD 03/23/11 TW



DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK G - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.11 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKG_SATSOIL_RESIDENTIAL_HI.MXD 03/23/11 TW



150 0 150 Feet

DRAWN BY T. WHEATON	DATE 01/10/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK G - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-4.12 / REV 0

APPENDIX E.5

BLOCK H

TABLES

E-5.1 Cancer Risks for Individual Sample Locations – Surface Soil - Block H

E-5.2 Hazard Indices for Individual Sample Locations – Surface Soil - Block H

E-5.3 Cancer Risks for Individual Sample Locations – Subsurface Soil - Block H

E-5.4 Hazard Indices for Individual Sample Locations – Subsurface Soil - Block H

E-5.5 Cancer Risks for Individual Sample Locations – Saturated Soil - Block H

E-5.6 Hazard Indices for Individual Sample Locations – Saturated Soil - Block H

FIGURES

E-5.1 Cancer Risk Estimates for Industrial Use – Block H – Surface Soil

E-5.2 Hazard Indices Estimates for Industrial Use – Block H – Surface Soil

E-5.3 Cancer Risk Estimates for Residential Use – Block H – Surface Soil

E-5.4 Hazard Indices Estimates for Residential Use – Block H – Surface Soil

E-5.5 Cancer Risk Estimates for Industrial Use – Block H – Subsurface Soil

E-5.6 Hazard Indices Estimates for Industrial Use – Block H – Subsurface Soil

E-5.7 Cancer Risk Estimates for Residential Use – Block H – Subsurface Soil

E-5.8 Hazard Indices Estimates for Residential Use – Block H – Subsurface Soil

E-5.9 Cancer Risk Estimates for Industrial Use – Block H – Saturated Soil

E-5.10 Hazard Indices Estimates for Industrial Use – Block H – Saturated Soil

E-5.11 Cancer Risk Estimates for Residential Use – Block H – Saturated Soil

E-5.12 Hazard Indices Estimates for Residential Use – Block H – Saturated Soil

TABLE E-5.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-200	SB-201	SB-202	SB-203	SB-282	SB-282	SB-282	SB-282A	SB-282B	SB-282C	SB-282D	SB-283
SAMPLE ID	SB-200-SS	SB-201-SS	SB-202-SS	SB-203-SS	H-SB-282RE-1	H-SB-282RE-2	SB-282-0102	H-SB-282REA-1	H-SB-282REB-1	H-SB-282REC-1	H-SB-282RED-1	SB-283-0102
SAMPLE DATE	20050513	20050513	20050513	20050513	20090929	20090929	20051026	20091110	20091110	20091110	20091110	20051027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SS	SS	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH					1	2	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	2	2	1	1	1	1	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.7E-06	3.5E-07	1.4E-07	3.8E-07	5.7E-07	5.0E-07		8.3E-05	1.1E-07	2.4E-07	7.4E-05	2.0E-06
ANTIMONY												
ARSENIC	1.3E-07	2.2E-06	2.6E-07	3.7E-07			2.2E-06					3.7E-07
CADMIUM	4.1E-12	2.3E-11	9.1E-12	2.7E-12			9.1E-13					9.1E-13
COBALT	6.4E-10	4.5E-09	7.5E-10	1.9E-09			1.4E-09					1.0E-09
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL	4.6E-11	7.2E-11	4.6E-11	8.5E-11			7.6E-11					3.9E-11
VANADIUM												
HEXAVALENT CHROMIUM	2.4E-07	1.1E-07	2.1E-07	3.3E-07			6.6E-07					3.1E-07
TOTAL CANCER RISK	2.1E-06	2.7E-06	6.1E-07	1.1E-06	5.7E-07	5.0E-07	2.9E-06	8.3E-05	1.1E-07	2.4E-07	7.4E-05	2.6E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	3.7E-05	7.5E-06	3.0E-06	8.1E-06	1.2E-05	1.1E-05		1.8E-03	2.4E-06	5.1E-06	1.6E-03	4.2E-05
ANTIMONY												
ARSENIC	1.0E-06	1.7E-05	2.0E-06	2.8E-06			1.7E-05					2.8E-06
CADMIUM	8.2E-12	4.6E-11	1.8E-11	5.5E-12			1.8E-12					1.8E-12
COBALT	1.3E-09	9.0E-09	1.5E-09	3.9E-09			2.7E-09					2.1E-09
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL	9.3E-11	1.5E-10	9.3E-11	1.7E-10			1.5E-10					7.9E-11
VANADIUM												
HEXAVALENT CHROMIUM	3.6E-06	1.6E-06	3.2E-06	5.0E-06			9.8E-06					4.6E-06
TOTAL CANCER RISK	4.2E-05	2.6E-05	8.2E-06	1.6E-05	1.2E-05	1.1E-05	2.7E-05	1.8E-03	2.4E-06	5.1E-06	1.6E-03	5.0E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-284	SB-285	SB-286	SB-293	SB-294	SB-462	SB-463	SB-464	SB-465	SB-466	SB-467	SB-468
SAMPLE ID	SB-284-0102	SB-285-0102	SB-286-0102	SB-293-0102	SB-294-0001	SB-462-0102	SB-463-0102	SB-464-0102	SB-465-0102	SB-466-0102	SB-467-0102	SB-468-0102
SAMPLE DATE	20051027	20051027	20051027	20051028	20051028	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1		1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	1	2	2	2	2	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.4E-06	6.9E-07	6.4E-07	6.2E-07	6.2E-07	9.0E-08	2.4E-07	2.4E-09	2.6E-09	3.8E-08	2.6E-09	2.6E-09
ANTIMONY												
ARSENIC	2.2E-07	8.8E-07	5.1E-07	6.2E-07	7.3E-07							
CADMIUM	9.1E-13	1.6E-12	6.8E-13	8.2E-12	9.5E-12							
COBALT	1.2E-09	1.5E-09	1.7E-09	1.0E-09	6.6E-10							
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL	5.3E-11	9.8E-11	3.3E-11	6.1E-11	4.9E-11							
VANADIUM												
HEXAVALENT CHROMIUM	2.5E-07	6.2E-07	8.5E-07	3.2E-07	3.1E-07							
TOTAL CANCER RISK	1.9E-06	2.2E-06	2.0E-06	1.6E-06	1.7E-06	9.0E-08	2.4E-07	2.4E-09	2.6E-09	3.8E-08	2.6E-09	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	3.1E-05	1.5E-05	1.4E-05	1.4E-05	1.4E-05	2.0E-06	5.2E-06	5.3E-08	5.6E-08	8.3E-07	5.6E-08	5.6E-08
ANTIMONY												
ARSENIC	1.7E-06	6.8E-06	4.0E-06	4.8E-06	5.7E-06							
CADMIUM	1.8E-12	3.2E-12	1.4E-12	1.6E-11	1.9E-11							
COBALT	2.5E-09	3.0E-09	3.4E-09	2.0E-09	1.3E-09							
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL	1.1E-10	2.0E-10	6.7E-11	1.2E-10	9.9E-11							
VANADIUM												
HEXAVALENT CHROMIUM	3.7E-06	9.2E-06	1.3E-05	4.8E-06	4.6E-06							
TOTAL CANCER RISK	3.7E-05	3.1E-05	3.1E-05	2.3E-05	2.4E-05	2.0E-06	5.2E-06	5.3E-08	5.6E-08	8.3E-07	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-469	SB-470	SB-471	SB-472	SB-473	SB-474	SB-475	SB-476	SB-477	SB-478	SB-479	SB-480
SAMPLE ID	SB-469-0102	SB-470-0102	SB-471-0102	SB-472-0102	SB-473-0102	SB-474-0102	SB-475-0102	SB-476-0102	SB-477-0102	SB-478-0102	SB-479-0102	SB-480-0102
SAMPLE DATE	20071023	20071023	20071023	20071023	20071024	20071024	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND	5.2E-08	1.8E-07	2.8E-09	2.6E-09	2.6E-09	8.3E-08	2.6E-09	2.6E-09	2.6E-09	2.4E-09	5.2E-08	2.6E-09
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.2E-08	1.8E-07	2.8E-09	2.6E-09	2.6E-09	8.3E-08	2.6E-09	2.6E-09	2.6E-09	2.4E-09	5.2E-08	2.6E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.1E-06	3.9E-06	6.0E-08	5.6E-08	5.6E-08	1.8E-06	5.6E-08	5.6E-08	5.6E-08	5.3E-08	1.1E-06	5.6E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.1E-06	3.9E-06	6.0E-08	5.6E-08	5.6E-08	1.8E-06	5.6E-08	5.6E-08	5.6E-08	5.3E-08	1.1E-06	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-481	SB-482	SB-483	SB-484	SB-485	SB-486	SB-487	SB-488	SB-604A	SB-604B	SB-604D	SB-610B
SAMPLE ID	SB-481-0102	SB-482-0102	SB-483-0102	SB-484-0102	SB-485-0102	SB-486-0102	SB-487-0102	SB-488-0102	H-SB-604A-1	H-SB-604B-1	H-SB-604D-1	H-SB-610B-1
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20091109	20091110	20091110	20091109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	1	1	1	1
INDUSTRIAL												
BAP EQUIVALENT-HALFND	1.1E-07	4.5E-08	1.1E-07	7.3E-08	3.5E-08	6.4E-07	6.4E-07	3.1E-08	5.9E-08	5.7E-07	1.6E-04	5.2E-08
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.1E-07	4.5E-08	1.1E-07	7.3E-08	3.5E-08	6.4E-07	6.4E-07	3.1E-08	5.9E-08	5.7E-07	1.6E-04	5.2E-08
RESIDENTIAL												
BAP EQUIVALENT-HALFND	2.3E-06	9.8E-07	2.4E-06	1.6E-06	7.5E-07	1.4E-05	1.4E-05	6.8E-07	1.3E-06	1.2E-05	3.4E-03	1.1E-06
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
LEAD												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.3E-06	9.8E-07	2.4E-06	1.6E-06	7.5E-07	1.4E-05	1.4E-05	6.8E-07	1.3E-06	1.2E-05	3.4E-03	1.1E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.1
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-610C	SB-610D	SB-611A	SB-611D	SB-814	SB-815	SB-816	SB-816	SB-817
SAMPLE ID	H-SB-610C-1	H-SB-610D-1	H-SB-611A-1	H-SB-611D-1	H-SB-814-SS	H-SB-815-SS	H-SB-816-SS	H-SB-816-SS-AVG	H-SB-817-SS
SAMPLE DATE	20091109	20091109	20091109	20091109	20100826	20100826	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SS	SS	SS	SS	SS
TOP DEPTH	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	1	1	1	1	1	1	1	1	1
INDUSTRIAL									
BAP EQUIVALENT-HALFND	1.1E-07	8.6E-08	1.8E-07	2.1E-06	6.8E-09	6.6E-09	2.0E-07	2.0E-07	6.4E-09
ANTIMONY									
ARSENIC									
CADMIUM									
COBALT									
LEAD									
MERCURY									
MOLYBDENUM									
NICKEL									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	1.1E-07	8.6E-08	1.8E-07	2.1E-06	6.8E-09	6.6E-09	2.0E-07	2.0E-07	6.4E-09
RESIDENTIAL									
BAP EQUIVALENT-HALFND	2.3E-06	1.9E-06	4.0E-06	4.6E-05	1.5E-07	1.4E-07	4.3E-06	4.3E-06	1.4E-07
ANTIMONY									
ARSENIC									
CADMIUM									
COBALT									
LEAD									
MERCURY									
MOLYBDENUM									
NICKEL									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	2.3E-06	1.9E-06	4.0E-06	4.6E-05	1.5E-07	1.4E-07	4.3E-06	4.3E-06	1.4E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-200	SB-201	SB-201RE	SB-201RE	SB-202	SB-203	SB-282	SB-283	SB-284	SB-285	SB-286	SB-293	SB-294
SAMPLE ID	SB-200-SS	SB-201-SS	H-SB-201RE-1	H-SB-201RE-2	SB-202-SS	SB-203-SS	SB-282-0102	SB-283-0102	SB-284-0102	SB-285-0102	SB-286-0102	SB-293-0102	SB-294-0001
SAMPLE DATE	20050513	20050513	20090924	20090924	20050513	20050513	20051026	20051027	20051027	20051027	20051027	20051028	20051028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SS	SS	SB	SB	SS	SS	SB	SB	SB	SB	SB	SB	SS
TOP DEPTH			1	2			1	1	1	1	1	1	
BOTTOM DEPTH	1	1	1	2	1	1	2	2	2	2	2	2	1
INDUSTRIAL													
BAP EQUIVALENT-HALFND													
ANTIMONY	2.1E-03	2.3E-03			1.4E-03	2.3E-03		9.2E-04	8.7E-04	1.6E-03	8.0E-04	3.9E-04	4.5E-04
ARSENIC	8.0E-04	1.4E-02			1.6E-03	2.3E-03	1.4E-02	2.3E-03	1.4E-03	5.5E-03	3.2E-03	3.9E-03	4.6E-03
CADMIUM	1.1E-04	6.2E-04			2.5E-04	7.5E-05	2.5E-05	2.5E-05	2.5E-05	4.4E-05	1.9E-05	2.2E-04	2.6E-04
COBALT	5.2E-03	3.7E-02			6.1E-03	1.6E-02	1.1E-02	8.4E-03	1.0E-02	1.2E-02	1.4E-02	8.2E-03	5.4E-03
LEAD													
MERCURY	1.9E-03	5.4E-03	7.1E-04	4.5E-05	2.8E-04	1.9E-04	4.7E-05	2.4E-05	9.4E-05	2.4E-05	4.7E-05	1.4E-04	4.7E-05
MOLYBDENUM	3.3E-05	5.0E-05			2.2E-05	2.8E-05	3.3E-05	3.3E-05	2.2E-05	4.2E-05	6.0E-05	3.8E-05	6.1E-05
NICKEL	7.4E-04	1.2E-03			7.4E-04	1.4E-03	1.2E-03	6.4E-04	8.6E-04	1.6E-03	5.4E-04	9.9E-04	7.9E-04
VANADIUM	1.6E-03	3.8E-03			1.5E-03	2.3E-03	3.6E-03	2.1E-03	1.6E-03	4.2E-03	2.1E-03	1.9E-03	1.7E-03
HEXAVALENT CHROMIUM	4.5E-04	2.0E-04			4.0E-04	6.2E-04	1.2E-03	5.7E-04	4.6E-04	1.1E-03	1.6E-03	6.0E-04	5.7E-04
TOTAL HAZRD INDEX	1.3E-02	6.4E-02	7.1E-04	4.5E-05	1.2E-02	2.5E-02	3.1E-02	1.5E-02	1.5E-02	2.6E-02	2.2E-02	1.6E-02	1.4E-02
RESIDENTIAL													
BAP EQUIVALENT-HALFND													
ANTIMONY	3.4E-02	3.8E-02			2.3E-02	3.8E-02		1.5E-02	1.4E-02	2.7E-02	1.3E-02	6.4E-03	7.4E-03
ARSENIC	1.6E-02	2.8E-01			3.2E-02	4.6E-02	2.8E-01	4.6E-02	2.8E-02	1.1E-01	6.5E-02	7.9E-02	9.2E-02
CADMIUM	2.4E-03	1.4E-02			5.4E-03	1.6E-03	5.4E-04	5.4E-04	5.4E-04	9.5E-04	4.1E-04	4.9E-03	5.7E-03
COBALT	1.2E-01	8.6E-01			1.4E-01	3.7E-01	2.6E-01	2.0E-01	2.4E-01	2.9E-01	3.2E-01	1.9E-01	1.3E-01
LEAD													
MERCURY	2.4E-02	6.8E-02	9.0E-03	5.7E-04	3.6E-03	2.4E-03	6.0E-04	3.0E-04	1.2E-03	3.0E-04	6.0E-04	1.8E-03	6.0E-04
MOLYBDENUM	7.9E-04	1.2E-03			5.3E-04	6.6E-04	7.9E-04	7.9E-04	5.3E-04	1.0E-03	1.4E-03	8.9E-04	1.4E-03
NICKEL	7.6E-03	1.2E-02			7.6E-03	1.4E-02	1.3E-02	6.5E-03	8.8E-03	1.6E-02	5.6E-03	1.0E-02	8.2E-03
VANADIUM	3.8E-02	9.1E-02			3.4E-02	5.4E-02	8.6E-02	5.1E-02	3.7E-02	1.0E-01	4.9E-02	4.6E-02	4.1E-02
HEXAVALENT CHROMIUM	4.0E-03	1.8E-03			3.5E-03	5.5E-03	1.1E-02	5.1E-03	4.0E-03	1.0E-02	1.4E-02	5.3E-03	5.0E-03
TOTAL HAZRD INDEX	2.5E-01	1.4E+00	9.0E-03	5.7E-04	2.5E-01	5.3E-01	6.6E-01	3.2E-01	3.3E-01	5.6E-01	4.7E-01	3.5E-01	2.9E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-462	SB-463	SB-464	SB-465	SB-466	SB-467	SB-468	SB-469	SB-470	SB-471	SB-472	SB-473
SAMPLE ID	SB-462-0102	SB-463-0102	SB-464-0102	SB-465-0102	SB-466-0102	SB-467-0102	SB-468-0102	SB-469-0102	SB-470-0102	SB-471-0102	SB-472-0102	SB-473-0102
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071024
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
LEAD												
MERCURY	4.3E-04	1.7E-04	4.5E-05	1.9E-04	4.7E-05	4.5E-05	4.5E-05	4.5E-05	2.3E-03	9.9E-05	8.9E-05	8.9E-05
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZRD INDEX	4.3E-04	1.7E-04	4.5E-05	1.9E-04	4.7E-05	4.5E-05	4.5E-05	4.5E-05	2.3E-03	9.9E-05	8.9E-05	8.9E-05
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
LEAD												
MERCURY	5.4E-03	2.1E-03	5.7E-04	2.4E-03	6.0E-04	5.7E-04	5.7E-04	5.7E-04	2.9E-02	1.3E-03	1.1E-03	1.1E-03
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZRD INDEX	5.4E-03	2.1E-03	5.7E-04	2.4E-03	6.0E-04	5.7E-04	5.7E-04	5.7E-04	2.9E-02	1.3E-03	1.1E-03	1.1E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-474	SB-475	SB-476	SB-477	SB-478	SB-479	SB-480	SB-481	SB-482	SB-483	SB-484	SB-485
SAMPLE ID	SB-474-0102	SB-475-0102	SB-476-0102	SB-477-0102	SB-478-0102	SB-479-0102	SB-480-0102	SB-481-0102	SB-482-0102	SB-483-0102	SB-484-0102	SB-485-0102
SAMPLE DATE	20071024	20071025	20071025	20071025	20071025	20071025	20071025	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	1	1	1	1	1	1	1	1
BOTTOM DEPTH	2	2	2	2	2	2	2	2	2	2	2	2
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
LEAD												
MERCURY	4.7E-05	4.5E-05	4.5E-05	4.5E-05	4.2E-05	4.5E-05	4.5E-05	1.7E-04	3.0E-04	2.5E-04	1.3E-04	4.5E-05
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZRD INDEX	4.7E-05	4.5E-05	4.5E-05	4.5E-05	4.2E-05	4.5E-05	4.5E-05	1.7E-04	3.0E-04	2.5E-04	1.3E-04	4.5E-05
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
LEAD												
MERCURY	6.0E-04	5.7E-04	5.7E-04	5.7E-04	5.4E-04	5.7E-04	5.7E-04	2.1E-03	3.8E-03	3.2E-03	1.7E-03	5.7E-04
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZRD INDEX	6.0E-04	5.7E-04	5.7E-04	5.7E-04	5.4E-04	5.7E-04	5.7E-04	2.1E-03	3.8E-03	3.2E-03	1.7E-03	5.7E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.2
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-486	SB-487	SB-488	SB-600	SB-600	SB-601	SB-601	SB-602	SB-602	SB-603	SB-603
SAMPLE ID	SB-486-0102	SB-487-0102	SB-488-0102	H-SB-600-1	H-SB-600-2	H-SB-601-1	H-SB-601-2	H-SB-602-1	H-SB-602-2	H-SB-603-1	H-SB-603-2
SAMPLE DATE	20071029	20071029	20071029	20090924	20090924	20090924	20090924	20090924	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	1	1	1	1	2	1	2	1	2	1	2
BOTTOM DEPTH	2	2	2	1	2	1	2	1	2	1	2
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
LEAD											
MERCURY	4.5E-05	4.5E-05	4.5E-05	1.6E-04	4.5E-05	1.8E-04	1.1E-04	1.6E-04	1.4E-04	1.5E-03	1.2E-04
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZRD INDEX	4.5E-05	4.5E-05	4.5E-05	1.6E-04	4.5E-05	1.8E-04	1.1E-04	1.6E-04	1.4E-04	1.5E-03	1.2E-04
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
LEAD											
MERCURY	5.7E-04	5.7E-04	5.7E-04	2.0E-03	5.7E-04	2.3E-03	1.4E-03	2.0E-03	1.7E-03	1.8E-02	1.5E-03
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZRD INDEX	5.7E-04	5.7E-04	5.7E-04	2.0E-03	5.7E-04	2.3E-03	1.4E-03	2.0E-03	1.7E-03	1.8E-02	1.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-282RE-10	H-SB-282RE-3	H-SB-282RE-4	H-SB-282RE-5	H-SB-282RE-6	H-SB-282RE-7	H-SB-282RE-7-AVG	H-SB-282RE-7-D	H-SB-282RE-8	H-SB-282RE-9
SAMPLE DATE	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	10	3	4	5	6	7	7	7	8	9
BOTTOM DEPTH	10	3	4	5	6	7	7	7	8	9
INDUSTRIAL										
BAP EQUIVALENT-HALFND	3.7E-06	5.2E-07	6.3E-07	3.7E-06	1.9E-06	6.2E-07	3.6E-07	1.0E-07	2.5E-07	1.2E-05
NAPHTHALENE										
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	3.7E-06	5.2E-07	6.3E-07	3.7E-06	1.9E-06	6.2E-07	3.6E-07	1.0E-07	2.5E-07	1.2E-05
RESIDENTIAL										
BAP EQUIVALENT-HALFND	8.1E-05	1.1E-05	1.4E-05	8.0E-05	4.0E-05	1.4E-05	7.9E-06	2.3E-06	5.4E-06	2.7E-04
NAPHTHALENE										
ARSENIC										
COBALT										
LEAD										
MERCURY										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	8.1E-05	1.1E-05	1.4E-05	8.0E-05	4.0E-05	1.4E-05	7.9E-06	2.3E-06	5.4E-06	2.7E-04

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B	SB-282B
SAMPLE ID	H-SB-282REA-3	H-SB-282REA-5	H-SB-282REA-7	H-SB-282REA-9	H-SB-282REA-9-AVG	H-SB-282REA-9-D	H-SB-282REB-3	H-SB-282REB-5	H-SB-282REB-7
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	9	9	3	5	7
BOTTOM DEPTH	3	5	7	9	9	9	3	5	7
INDUSTRIAL									
BAP EQUIVALENT-HALFND	2.6E-09	8.5E-08	2.6E-09	2.6E-09	2.6E-09	2.6E-09	1.2E-08	2.8E-09	2.6E-09
NAPHTHALENE									
ARSENIC									
COBALT									
LEAD									
MERCURY									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	2.6E-09	8.5E-08	2.6E-09	2.6E-09	2.6E-09	2.6E-09	1.2E-08	2.8E-09	2.6E-09
RESIDENTIAL									
BAP EQUIVALENT-HALFND	5.6E-08	1.8E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	2.6E-07	6.0E-08	5.6E-08
NAPHTHALENE									
ARSENIC									
COBALT									
LEAD									
MERCURY									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	5.6E-08	1.8E-06	5.6E-08	5.6E-08	5.6E-08	5.6E-08	2.6E-07	6.0E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-282B	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282C	SB-282D	SB-282D
SAMPLE ID	H-SB-282REB-9	H-SB-282REC-3	H-SB-282REC-5	H-SB-282REC-7	H-SB-282REC-9	H-SB-282REC-9-AVG	H-SB-282REC-9-D	H-SB-282RED-3	H-SB-282RED-5
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	3	5	7	9	9	9	3	5
BOTTOM DEPTH	9	3	5	7	9	9	9	3	5
INDUSTRIAL									
BAP EQUIVALENT-HALFND	5.7E-06	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE									
ARSENIC									
COBALT									
LEAD									
MERCURY									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	5.7E-06	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL									
BAP EQUIVALENT-HALFND	1.2E-04	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE									
ARSENIC									
COBALT									
LEAD									
MERCURY									
VANADIUM									
HEXAVALENT CHROMIUM									
TOTAL CANCER RISK	1.2E-04	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-282D	SB-282D	SB-283	SB-283	SB-284	SB-284	SB-474	SB-474	SB-604	SB-604	SB-604
SAMPLE ID	H-SB-282RED-7	H-SB-282RED-9	H-SB-283RE-3	H-SB-283RE-4	H-SB-284RE-3	H-SB-284RE-4	H-SB-474RE-5	H-SB-474RE-6	H-SB-604-3	H-SB-604-4	H-SB-604-5
SAMPLE DATE	20091110	20091110	20090924	20090924	20090925	20090925	20090928	20090928	20090924	20090924	20090924
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	9	3	4	3	4	5	6	3	4	5
BOTTOM DEPTH	7	9	3	4	3	4	5	6	3	4	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	1.1E-06	2.6E-09	2.6E-09	2.8E-09	4.6E-08	5.5E-08	2.6E-09	6.7E-07	2.8E-09	1.3E-06
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	1.1E-06	2.6E-09	2.6E-09	2.8E-09	4.6E-08	5.5E-08	2.6E-09	6.7E-07	2.8E-09	1.3E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	2.3E-05	5.6E-08	5.6E-08	6.0E-08	9.9E-07	1.2E-06	5.6E-08	1.5E-05	6.0E-08	2.7E-05
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	2.3E-05	5.6E-08	5.6E-08	6.0E-08	9.9E-07	1.2E-06	5.6E-08	1.5E-05	6.0E-08	2.7E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-604	SB-604	SB-604A	SB-604A	SB-604A	SB-604B	SB-604B	SB-604B	SB-604D	SB-604D	SB-604D
SAMPLE ID	H-SB-604-6	H-SB-604-7	H-SB-604A-3	H-SB-604A-5	H-SB-604A-7	H-SB-604B-3	H-SB-604B-5	H-SB-604B-7	H-SB-604D-3	H-SB-604D-3-AVG	H-SB-604D-3-D
SAMPLE DATE	20090924	20090924	20091109	20091109	20091109	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	7	3	5	7	3	5	7	3	3	3
BOTTOM DEPTH	6	7	3	5	7	3	5	7	3	3	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	4.3E-07	2.6E-09	2.8E-09	1.2E-07	2.8E-09	2.6E-09	6.0E-06	2.6E-09	2.8E-09	2.8E-09	2.8E-09
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	4.3E-07	2.6E-09	2.8E-09	1.2E-07	2.8E-09	2.6E-09	6.0E-06	2.6E-09	2.8E-09	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	9.4E-06	5.6E-08	6.0E-08	2.6E-06	6.0E-08	5.6E-08	1.3E-04	5.6E-08	6.0E-08	6.0E-08	6.0E-08
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	9.4E-06	5.6E-08	6.0E-08	2.6E-06	6.0E-08	5.6E-08	1.3E-04	5.6E-08	6.0E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-604D	SB-604D	SB-605	SB-605	SB-606	SB-606	SB-607	SB-607	SB-608	SB-608	SB-608	SB-608
SAMPLE ID	H-SB-604D-5	H-SB-604D-7	H-SB-605-3	H-SB-605-4	H-SB-606-3	H-SB-606-4	H-SB-607-3	H-SB-607-4	H-SB-608-3	H-SB-608-4	H-SB-608-4-AVG	H-SB-608-4-D
SAMPLE DATE	20091110	20091110	20090924	20090924	20090924	20090924	20090924	20090924	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	3	4	3	4	3	4	3	4	4	4
BOTTOM DEPTH	5	7	3	4	3	4	3	4	3	4	4	4
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.9E-09	2.9E-09	8.1E-08	2.6E-09	8.9E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	9.3E-09	6.1E-09	2.9E-09
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.9E-09	2.9E-09	8.1E-08	2.6E-09	8.9E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	9.3E-09	6.1E-09	2.9E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.4E-08	6.4E-08	1.8E-06	5.6E-08	1.9E-07	5.6E-08	6.0E-08	6.0E-08	6.0E-08	2.0E-07	1.3E-07	6.4E-08
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.4E-08	6.4E-08	1.8E-06	5.6E-08	1.9E-07	5.6E-08	6.0E-08	6.0E-08	6.0E-08	2.0E-07	1.3E-07	6.4E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-609	SB-609	SB-610	SB-610	SB-610	SB-610	SB-610	SB-610B	SB-610B	SB-610B	SB-610B	SB-610C
SAMPLE ID	H-SB-609-3	H-SB-609-4	H-SB-610-3	H-SB-610-4	H-SB-610-5	H-SB-610-6	H-SB-610-7	H-SB-610B-3	H-SB-610B-5	H-SB-610B-5-AVG	H-SB-610B-5-D	H-SB-610C-3
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20091109	20091109	20091109	20091109	20091109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	4	3	4	5	6	7	3	5	5	5	3
BOTTOM DEPTH	3	4	3	4	5	6	7	3	5	5	5	3
INDUSTRIAL												
BAP EQUIVALENT-HALFND	7.1E-08	1.6E-07	1.7E-06	2.2E-07	6.8E-08	2.8E-09	2.6E-09	2.8E-09	2.6E-09	2.7E-09	2.8E-09	2.8E-09
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	7.1E-08	1.6E-07	1.7E-06	2.2E-07	6.8E-08	2.8E-09	2.6E-09	2.8E-09	2.6E-09	2.7E-09	2.8E-09	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	1.5E-06	3.5E-06	3.6E-05	4.7E-06	1.5E-06	6.0E-08	5.6E-08	6.0E-08	5.6E-08	5.8E-08	6.0E-08	6.0E-08
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	1.5E-06	3.5E-06	3.6E-05	4.7E-06	1.5E-06	6.0E-08	5.6E-08	6.0E-08	5.6E-08	5.8E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-610C	SB-610D	SB-610D	SB-611	SB-611	SB-611	SB-611	SB-611	SB-611A	SB-611A	SB-611D	SB-611D
SAMPLE ID	H-SB-610C-5	H-SB-610D-3	H-SB-610D-5	H-SB-611-3	H-SB-611-4	H-SB-611-5	H-SB-611-6	H-SB-611-7	H-SB-611A-3	H-SB-611A-5	H-SB-611D-3	H-SB-611D-5
SAMPLE DATE	20091109	20091109	20091109	20090925	20090925	20090925	20090925	20090925	20091109	20091109	20091109	20091109
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	3	5	3	4	5	6	7	3	5	3	5
BOTTOM DEPTH	5	3	5	3	4	5	6	7	3	5	3	5
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.6E-09	2.8E-09	2.6E-09	2.5E-06	2.8E-09	3.6E-08	2.8E-09	2.6E-09	1.0E-07	1.1E-06	2.6E-09	2.8E-09
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.6E-09	2.8E-09	2.6E-09	2.5E-06	2.8E-09	3.6E-08	2.8E-09	2.6E-09	1.0E-07	1.1E-06	2.6E-09	2.8E-09
RESIDENTIAL												
BAP EQUIVALENT-HALFND	5.6E-08	6.0E-08	5.6E-08	5.5E-05	6.0E-08	7.7E-07	6.0E-08	5.6E-08	2.2E-06	2.4E-05	5.6E-08	6.0E-08
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	5.6E-08	6.0E-08	5.6E-08	5.5E-05	6.0E-08	7.7E-07	6.0E-08	5.6E-08	2.2E-06	2.4E-05	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-611D	SB-611D	SB-614	MRC-MW08A	SB-200	SB-200	SB-201	SB-201	SB-202	SB-202	SB-203	SB-203
SAMPLE ID	H-SB-611D-5-AVG	H-SB-611D-5-D	H-SB-614-10	MRC-MW08[0809]	SB-200-05	SB-200-10	SB-201-05	SB-201-10	SB-202-05	SB-202-10	SB-203-05	SB-203-10
SAMPLE DATE	20091109	20091109	20090925	20050524	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20050513
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	5	10	8	5	10	5	10	5	10	5	10
BOTTOM DEPTH	5	5	10	9	5	10	5	10	5	10	5	10
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	1.8E-05		5.7E-07	3.3E-06	1.4E-07	3.4E-07	1.4E-07	4.1E-07	1.4E-07	1.4E-07
NAPHTHALENE						1.1E-08						
ARSENIC					1.8E-06	1.5E-06	1.1E-06	3.7E-07	1.5E-06	7.3E-07	1.1E-06	1.5E-06
COBALT					6.2E-09	2.5E-09	5.5E-10	1.8E-09	3.4E-09	2.4E-09	7.0E-09	1.9E-09
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM					1.1E-07	1.1E-07	5.0E-07	4.0E-07	1.1E-07	8.3E-08	8.8E-07	5.7E-07
TOTAL CANCER RISK	2.8E-09	2.8E-09	1.8E-05		2.5E-06	4.9E-06	1.7E-06	1.1E-06	1.7E-06	1.2E-06	2.1E-06	2.2E-06
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	4.0E-04		1.2E-05	7.1E-05	3.1E-06	7.5E-06	3.1E-06	9.0E-06	3.1E-06	3.0E-06
NAPHTHALENE						5.7E-08						
ARSENIC					1.4E-05	1.1E-05	8.5E-06	2.8E-06	1.1E-05	5.7E-06	8.5E-06	1.1E-05
COBALT					3.1E-08	1.2E-08	2.7E-09	9.3E-09	1.7E-08	1.2E-08	3.5E-08	9.5E-09
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM					1.7E-06	1.7E-06	7.4E-06	6.0E-06	1.7E-06	1.2E-06	1.3E-05	8.5E-06
TOTAL CANCER RISK	6.0E-08	6.0E-08	4.0E-04		2.8E-05	8.4E-05	1.9E-05	1.6E-05	1.6E-05	1.6E-05	2.5E-05	2.3E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-282	SB-282	SB-283	SB-283	SB-284	SB-284	SB-285	SB-285	SB-286	SB-286	SB-293
SAMPLE ID	SB-282-0405	SB-282-0910	SB-283-0405	SB-283-0910	SB-284-0405	SB-284-0910	SB-285-0405	SB-285-0910	SB-286-0405	SB-286-0910	SB-293-0405
SAMPLE DATE	20051026	20051026	20051027	20051027	20051027	20051027	20051027	20051027	20051027	20051027	20051028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	4	9	4	9	4	9	4	9	4	9	4
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5	10	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND		6.5E-07	6.9E-07	6.8E-07	8.1E-07	6.8E-07	4.9E-06	3.1E-06	7.6E-07	2.2E-06	6.9E-07
NAPHTHALENE					1.1E-08		5.2E-08	2.0E-08		4.8E-09	
ARSENIC	1.3E-06	1.9E-06	2.9E-07	2.7E-06	9.7E-07	3.5E-07	9.0E-07	9.5E-07	9.9E-08	1.4E-07	9.9E-07
COBALT	1.5E-09	9.1E-10	1.9E-09	4.2E-09	1.9E-09	4.0E-09	1.8E-09	1.7E-09	4.1E-10	6.8E-10	7.5E-10
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM	5.1E-07	5.4E-07	1.1E-06	7.4E-07	8.0E-07	6.7E-07	8.6E-07	7.4E-07	2.5E-06	1.5E-06	3.5E-07
TOTAL CANCER RISK	1.8E-06	3.1E-06	2.1E-06	4.1E-06	2.6E-06	1.7E-06	6.7E-06	4.8E-06	3.4E-06	3.8E-06	2.0E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND		1.4E-05	1.5E-05	1.5E-05	1.8E-05	1.5E-05	1.1E-04	6.7E-05	1.7E-05	4.8E-05	1.5E-05
NAPHTHALENE					5.5E-08		2.6E-07	1.0E-07		2.4E-08	
ARSENIC	1.0E-05	1.5E-05	2.3E-06	2.1E-05	7.6E-06	2.7E-06	7.0E-06	7.4E-06	7.7E-07	1.1E-06	7.7E-06
COBALT	7.7E-09	4.6E-09	9.6E-09	2.1E-08	9.6E-09	2.0E-08	9.3E-09	8.7E-09	2.1E-09	3.4E-09	3.8E-09
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM	7.6E-06	8.1E-06	1.6E-05	1.1E-05	1.2E-05	1.0E-05	1.3E-05	1.1E-05	3.7E-05	2.2E-05	5.2E-06
TOTAL CANCER RISK	1.8E-05	3.7E-05	3.4E-05	4.7E-05	3.7E-05	2.8E-05	1.3E-04	8.6E-05	5.5E-05	7.1E-05	2.8E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-293	SB-294	SB-294	SB-462	SB-462	SB-462	SB-462	SB-463	SB-463	SB-463	SB-463
SAMPLE ID	SB-293-0910	SB-294-0405	SB-294-0910	SB-462-0203	SB-462-0304	SB-462-0506	SB-462-0708	SB-463-0203	SB-463-0304	SB-463-0506	SB-463-0708
SAMPLE DATE	20051028	20051028	20051028	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	4	9	2	3	5	7	2	3	5	7
BOTTOM DEPTH	10	5	10	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.8E-07	6.8E-07	6.9E-07	2.6E-09	2.6E-09	2.8E-09	2.8E-09	3.1E-09	2.8E-09	2.8E-09	2.8E-09
NAPHTHALENE											
ARSENIC	6.2E-07	8.8E-07	1.2E-06								
COBALT	4.1E-10	5.9E-10	6.8E-10								
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM	2.1E-07	2.6E-07	4.6E-07								
TOTAL CANCER RISK	1.5E-06	1.8E-06	2.4E-06	2.6E-09	2.6E-09	2.8E-09	2.8E-09	3.1E-09	2.8E-09	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.5E-05	1.5E-05	1.5E-05	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.8E-08	6.0E-08	6.0E-08	6.0E-08
NAPHTHALENE											
ARSENIC	4.8E-06	6.8E-06	9.7E-06								
COBALT	2.1E-09	3.0E-09	3.4E-09								
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM	3.1E-06	3.9E-06	6.9E-06								
TOTAL CANCER RISK	2.3E-05	2.5E-05	3.2E-05	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.8E-08	6.0E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-464	SB-464	SB-464	SB-464	SB-465	SB-465	SB-465	SB-465	SB-466	SB-466	SB-466
SAMPLE ID	SB-464-0203	SB-464-0304	SB-464-0506	SB-464-0708	SB-465-0203	SB-465-0304	SB-465-0506	SB-465-0708	SB-466-0203	SB-466-0304	SB-466-0506
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.4E-09	2.6E-09	2.8E-09	2.6E-09	2.4E-09	2.6E-09	2.8E-09
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.8E-09	2.8E-09	2.6E-09	2.4E-09	2.6E-09	2.8E-09	2.6E-09	2.4E-09	2.6E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	6.0E-08	6.0E-08	5.6E-08	5.3E-08	5.6E-08	6.0E-08	5.6E-08	5.3E-08	5.6E-08	6.0E-08
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	6.0E-08	6.0E-08	5.6E-08	5.3E-08	5.6E-08	6.0E-08	5.6E-08	5.3E-08	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-466	SB-467	SB-467	SB-467	SB-467	SB-468	SB-468	SB-468	SB-468	SB-469	SB-469
SAMPLE ID	SB-466-0708	SB-467-0203	SB-467-0304	SB-467-0506	SB-467-0708	SB-468-0203	SB-468-0304	SB-468-0506	SB-468-0708	SB-469-0203	SB-469-0304
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.6E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	5.6E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-469	SB-469	SB-620	SB-620	SB-620	SB-620	SB-621	SB-621	SB-622	SB-622	SB-623	SB-623
SAMPLE ID	SB-469-0506	SB-469-0708	H-SB-620-5	H-SB-620-6	H-SB-620-6-AVG	H-SB-620-6-D	H-SB-621-5	H-SB-621-6	H-SB-622-5	H-SB-622-6	H-SB-623-5	H-SB-623-6
SAMPLE DATE	20071023	20071023	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	5	6	6	6	5	6	5	6	5	6
BOTTOM DEPTH	6	8	5	6	6	6	5	6	5	6	5	6
INDUSTRIAL												
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	7.9E-08	2.6E-09	2.6E-09	2.6E-09	7.5E-08	2.6E-09	1.2E-08	2.6E-09	1.2E-07	1.5E-07
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.6E-09	7.9E-08	2.6E-09	2.6E-09	2.6E-09	7.5E-08	2.6E-09	1.2E-08	2.6E-09	1.2E-07	1.5E-07
RESIDENTIAL												
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	1.7E-06	5.6E-08	5.6E-08	5.6E-08	1.6E-06	5.6E-08	2.7E-07	5.6E-08	2.6E-06	3.3E-06
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	5.6E-08	1.7E-06	5.6E-08	5.6E-08	5.6E-08	1.6E-06	5.6E-08	2.7E-07	5.6E-08	2.6E-06	3.3E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-814	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815	SB-815	SB-816	SB-816	SB-816
SAMPLE ID	H-SB-814-03	H-SB-814-05	H-SB-814-07	H-SB-814-09	H-SB-815-03	H-SB-815-05	H-SB-815-07	H-SB-815-09	H-SB-816-03	H-SB-816-03-AVG	H-SB-816-03-D
SAMPLE DATE	20100826	20100826	20100826	20100826	20100826	20100826	20100826	20100826	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	5	7	9	3	3	3
BOTTOM DEPTH	3	5	7	9	3	5	7	9	3	3	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	6.8E-09	6.4E-09	6.8E-09	2.5E-06	6.1E-09	3.9E-08	6.8E-09	2.0E-07	6.4E-09	6.5E-09	6.6E-09
NAPHTHALENE	8.4E-11	8.0E-11	8.4E-11	1.2E-09	7.6E-11	8.4E-11	8.4E-11	8.9E-11	8.0E-11	8.1E-11	8.2E-11
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.8E-09	6.5E-09	6.8E-09	2.5E-06	6.1E-09	3.9E-08	6.8E-09	2.0E-07	6.5E-09	6.6E-09	6.7E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.5E-07	1.4E-07	1.5E-07	5.4E-05	1.3E-07	8.5E-07	1.5E-07	4.4E-06	1.4E-07	1.4E-07	1.4E-07
NAPHTHALENE	4.3E-10	4.0E-10	4.3E-10	6.1E-09	3.8E-10	4.3E-10	4.3E-10	4.5E-10	4.0E-10	4.1E-10	4.1E-10
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.5E-07	1.4E-07	1.5E-07	5.4E-05	1.3E-07	8.5E-07	1.5E-07	4.4E-06	1.4E-07	1.4E-07	1.4E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-816	SB-816	SB-816	SB-817	SB-817	SB-817	SB-817	SB-817	SB-817	SB-470	SB-470
SAMPLE ID	H-SB-816-05	H-SB-816-07	H-SB-816-09	H-SB-817-03	H-SB-817-05	H-SB-817-07	H-SB-817-07-AVG	H-SB-817-07-D	H-SB-817-09	SB-470-0203	SB-470-0304
SAMPLE DATE	20100827	20100827	20100827	20100827	20100827	20100827	20100827	20100827	20100827	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	9	3	5	7	7	7	9	2	3
BOTTOM DEPTH	5	7	9	3	5	7	7	7	9	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND	8.8E-08	6.6E-09	2.7E-07	6.4E-09	1.3E-07	6.6E-09	6.6E-09	6.6E-09	6.8E-09	2.6E-09	2.6E-09
NAPHTHALENE	8.2E-11	8.2E-11	8.9E-11	8.0E-11	8.7E-11	8.2E-11	8.2E-11	8.2E-11	8.4E-11		
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	8.8E-08	6.7E-09	2.8E-07	6.5E-09	1.3E-07	6.7E-09	6.7E-09	6.7E-09	6.8E-09	2.6E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	1.9E-06	1.4E-07	6.0E-06	1.4E-07	2.8E-06	1.4E-07	1.4E-07	1.4E-07	1.5E-07	5.6E-08	5.6E-08
NAPHTHALENE	4.1E-10	4.1E-10	4.5E-10	4.0E-10	4.4E-10	4.1E-10	4.1E-10	4.1E-10	4.3E-10		
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.9E-06	1.4E-07	6.0E-06	1.4E-07	2.8E-06	1.4E-07	1.4E-07	1.4E-07	1.5E-07	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-470	SB-470	SB-471	SB-471	SB-471	SB-471	SB-472	SB-472	SB-472	SB-472	SB-473
SAMPLE ID	SB-470-0506	SB-470-0708	SB-471-0203	SB-471-0304	SB-471-0506	SB-471-0708	SB-472-0203	SB-472-0304	SB-472-0506	SB-472-0708	SB-473-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071024
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	7.3E-08	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.8E-09	7.3E-08	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	1.6E-06	6.0E-08	6.0E-08	6.0E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	6.0E-08	1.6E-06	6.0E-08	6.0E-08	6.0E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-473	SB-473	SB-473	SB-474	SB-474	SB-474	SB-474	SB-475	SB-475	SB-475	SB-475
SAMPLE ID	SB-473-0304	SB-473-0506	SB-473-0708	SB-474-0203	SB-474-0304	SB-474-0506	SB-474-0708	SB-475-0203	SB-475-0304	SB-475-0506	SB-475-0708
SAMPLE DATE	20071024	20071024	20071024	20071024	20071024	20071024	20071024	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.9E-09	2.8E-09	1.1E-07	1.7E-06	2.4E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.9E-09	2.8E-09	1.1E-07	1.7E-06	2.4E-09	2.6E-09	2.6E-09	2.8E-09	2.8E-09	2.8E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	6.4E-08	6.0E-08	2.3E-06	3.7E-05	5.3E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	6.4E-08	6.0E-08	2.3E-06	3.7E-05	5.3E-08	5.6E-08	5.6E-08	6.0E-08	6.0E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-476	SB-476	SB-476	SB-476	SB-477	SB-477	SB-477	SB-477	SB-478	SB-478	SB-478
SAMPLE ID	SB-476-0203	SB-476-0304	SB-476-0506	SB-476-0708	SB-477-0203	SB-477-0304	SB-477-0506	SB-477-0708	SB-478-0203	SB-478-0304	SB-478-0506
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.9E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.6E-09	2.8E-09	2.8E-09	2.8E-09	2.9E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	5.6E-08	6.0E-08	6.0E-08	6.0E-08	6.4E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	5.6E-08	6.0E-08	6.0E-08	6.0E-08	6.4E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-478	SB-479	SB-479	SB-479	SB-479	SB-480	SB-480	SB-480	SB-480	SB-481	SB-481
SAMPLE ID	SB-478-0708	SB-479-0203	SB-479-0304	SB-479-0506	SB-479-0708	SB-480-0203	SB-480-0304	SB-480-0506	SB-480-0708	SB-481-0203	SB-481-0304
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	3.5E-08
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.6E-09	2.8E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	2.6E-09	3.5E-08
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	7.5E-07
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	5.6E-08	6.0E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	5.6E-08	7.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-481	SB-481	SB-482	SB-482	SB-482	SB-482	SB-483	SB-483	SB-483	SB-483	SB-484
SAMPLE ID	SB-481-0506	SB-481-0708	SB-482-0203	SB-482-0304	SB-482-0506	SB-482-0708	SB-483-0203	SB-483-0304	SB-483-0506	SB-483-0708	SB-484-0203
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.8E-09	9.7E-08	2.8E-09	2.8E-09	2.8E-09	2.6E-09
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.8E-09	2.8E-09	2.6E-09	2.6E-09	2.8E-09	9.7E-08	2.8E-09	2.8E-09	2.8E-09	2.6E-09
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	6.0E-08	2.1E-06	6.0E-08	6.0E-08	6.0E-08	5.6E-08
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	6.0E-08	6.0E-08	5.6E-08	5.6E-08	6.0E-08	2.1E-06	6.0E-08	6.0E-08	6.0E-08	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-484	SB-484	SB-484	SB-485	SB-485	SB-485	SB-485	SB-486	SB-486	SB-486	SB-486
SAMPLE ID	SB-484-0304	SB-484-0506	SB-484-0708	SB-485-0203	SB-485-0304	SB-485-0506	SB-485-0708	SB-486-0203	SB-486-0304	SB-486-0506	SB-486-0708
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	2.6E-09	1.5E-07	2.6E-09	2.6E-09	2.6E-09	6.6E-07	6.8E-07	7.1E-07	6.8E-07
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	2.8E-09	2.6E-09	2.6E-09	1.5E-07	2.6E-09	2.6E-09	2.6E-09	6.6E-07	6.8E-07	7.1E-07	6.8E-07
RESIDENTIAL											
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	5.6E-08	3.2E-06	5.6E-08	5.6E-08	5.6E-08	1.4E-05	1.5E-05	1.5E-05	1.5E-05
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	6.0E-08	5.6E-08	5.6E-08	3.2E-06	5.6E-08	5.6E-08	5.6E-08	1.4E-05	1.5E-05	1.5E-05	1.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.3
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-487	SB-487	SB-487	SB-487	SB-488	SB-488	SB-488	SB-488
SAMPLE ID	SB-487-0203	SB-487-0304	SB-487-0506	SB-487-0708	SB-488-0203	SB-488-0304	SB-488-0506	SB-488-0708
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7
BOTTOM DEPTH	3	4	6	8	3	4	6	8
INDUSTRIAL								
BAP EQUIVALENT-HALFND	6.9E-07	6.6E-07	6.8E-07	6.8E-07	6.4E-07	6.6E-07	6.9E-07	6.8E-07
NAPHTHALENE								
ARSENIC								
COBALT								
LEAD								
MERCURY								
VANADIUM								
HEXAVALENT CHROMIUM								
TOTAL CANCER RISK	6.9E-07	6.6E-07	6.8E-07	6.8E-07	6.4E-07	6.6E-07	6.9E-07	6.8E-07
RESIDENTIAL								
BAP EQUIVALENT-HALFND	1.5E-05	1.4E-05	1.5E-05	1.5E-05	1.4E-05	1.4E-05	1.5E-05	1.5E-05
NAPHTHALENE								
ARSENIC								
COBALT								
LEAD								
MERCURY								
VANADIUM								
HEXAVALENT CHROMIUM								
TOTAL CANCER RISK	1.5E-05	1.4E-05	1.5E-05	1.5E-05	1.4E-05	1.4E-05	1.5E-05	1.5E-05

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-200	SB-200	SB-201	SB-201	SB-202	SB-202	SB-203	SB-203	SB-282	SB-282	SB-283
SAMPLE ID	SB-200-05	SB-200-10	SB-201-05	SB-201-10	SB-202-05	SB-202-10	SB-203-05	SB-203-10	SB-282-0405	SB-282-0910	SB-283-0405
SAMPLE DATE	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20050513	20051026	20051026	20051027
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	10	5	10	5	10	5	10	4	9	4
BOTTOM DEPTH	5	10	5	10	5	10	5	10	5	10	5
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	3.5E-05	3.3E-04	7.0E-07	1.3E-06	1.3E-06	1.3E-06	1.5E-06	1.3E-06	3.8E-06	3.8E-06	3.8E-06
ARSENIC	1.1E-02	9.1E-03	6.8E-03	2.3E-03	9.1E-03	4.6E-03	6.8E-03	9.1E-03	8.0E-03	1.2E-02	1.8E-03
COBALT	5.0E-02	2.0E-02	4.5E-03	1.5E-02	2.8E-02	1.9E-02	5.7E-02	1.5E-02	1.2E-02	7.4E-03	1.6E-02
LEAD											
MERCURY	9.4E-05	4.7E-05	1.1E-03	8.0E-04			9.4E-05	1.4E-04	2.4E-05	2.4E-05	2.4E-05
VANADIUM	5.1E-03	5.9E-03	3.8E-03	2.8E-03	5.8E-03	4.4E-03	5.4E-03	4.3E-03	3.0E-03	3.8E-03	2.3E-03
HEXAVALENT CHROMIUM	2.0E-04	2.0E-04	9.2E-04	7.4E-04	2.0E-04	1.5E-04	1.6E-03	1.1E-03	9.5E-04	1.0E-03	2.0E-03
TOTAL HAZARD INDEX	6.7E-02	3.6E-02	1.7E-02	2.2E-02	4.3E-02	2.8E-02	7.1E-02	3.0E-02	2.4E-02	2.4E-02	2.2E-02
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.6E-04	1.5E-03	3.3E-06	6.2E-06	6.2E-06	5.9E-06	7.0E-06	5.9E-06	1.8E-05	1.8E-05	1.8E-05
ARSENIC	2.3E-01	1.8E-01	1.4E-01	4.6E-02	1.8E-01	9.2E-02	1.4E-01	1.8E-01	1.6E-01	2.4E-01	3.7E-02
COBALT	1.2E+00	4.7E-01	1.1E-01	3.6E-01	6.5E-01	4.6E-01	1.4E+00	3.6E-01	2.9E-01	1.8E-01	3.7E-01
LEAD											
MERCURY	1.2E-03	6.0E-04	1.4E-02	1.0E-02			1.2E-03	1.8E-03	3.0E-04	3.0E-04	3.0E-04
VANADIUM	1.2E-01	1.4E-01	8.9E-02	6.8E-02	1.4E-01	1.0E-01	1.3E-01	1.0E-01	7.1E-02	9.0E-02	5.4E-02
HEXAVALENT CHROMIUM	1.8E-03	1.8E-03	8.1E-03	6.5E-03	1.8E-03	1.4E-03	1.4E-02	9.3E-03	8.4E-03	8.9E-03	1.8E-02
TOTAL HAZARD INDEX	1.5E+00	8.0E-01	3.6E-01	4.9E-01	9.8E-01	6.5E-01	1.6E+00	6.6E-01	5.4E-01	5.2E-01	4.8E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-283	SB-284	SB-284	SB-285	SB-285	SB-286	SB-286	SB-293	SB-293	SB-294	SB-294
SAMPLE ID	SB-283-0910	SB-284-0405	SB-284-0910	SB-285-0405	SB-285-0910	SB-286-0405	SB-286-0910	SB-293-0405	SB-293-0910	SB-294-0405	SB-294-0910
SAMPLE DATE	20051027	20051027	20051027	20051027	20051027	20051027	20051027	20051028	20051028	20051028	20051028
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	9	4	9	4	9	4	9	4	9	4	9
BOTTOM DEPTH	10	5	10	5	10	5	10	5	10	5	10
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	3.8E-06	3.1E-04	6.3E-06	1.5E-03	5.8E-04	1.5E-05	1.4E-04	7.5E-06	3.8E-06	3.8E-06	3.8E-06
ARSENIC	1.7E-02	6.0E-03	2.2E-03	5.6E-03	5.9E-03	6.2E-04	8.8E-04	6.2E-03	3.9E-03	5.5E-03	7.8E-03
COBALT	3.4E-02	1.6E-02	3.3E-02	1.5E-02	1.4E-02	3.3E-03	5.6E-03	6.1E-03	3.3E-03	4.8E-03	5.6E-03
LEAD											
MERCURY	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	2.4E-05	9.4E-05	2.4E-05	4.7E-05	2.4E-05
VANADIUM	5.1E-03	4.9E-03	3.4E-03	3.9E-03	4.7E-03	2.7E-03	6.3E-04	3.2E-03	1.5E-03	2.0E-03	2.9E-03
HEXAVALENT CHROMIUM	1.4E-03	1.5E-03	1.3E-03	1.6E-03	1.4E-03	4.6E-03	2.8E-03	6.5E-04	3.8E-04	4.8E-04	8.5E-04
TOTAL HAZARD INDEX	5.8E-02	2.8E-02	3.9E-02	2.8E-02	2.7E-02	1.1E-02	1.0E-02	1.6E-02	9.2E-03	1.3E-02	1.7E-02
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.8E-05	1.5E-03	2.9E-05	7.0E-03	2.7E-03	7.0E-05	6.5E-04	3.5E-05	1.8E-05	1.8E-05	1.8E-05
ARSENIC	3.4E-01	1.2E-01	4.4E-02	1.1E-01	1.2E-01	1.2E-02	1.8E-02	1.2E-01	7.9E-02	1.1E-01	1.6E-01
COBALT	8.1E-01	3.7E-01	7.7E-01	3.6E-01	3.3E-01	7.9E-02	1.3E-01	1.4E-01	7.9E-02	1.1E-01	1.3E-01
LEAD											
MERCURY	3.0E-04	3.0E-04	3.0E-04	3.0E-04	3.0E-04	3.0E-04	3.0E-04	1.2E-03	3.0E-04	6.0E-04	3.0E-04
VANADIUM	1.2E-01	1.2E-01	8.0E-02	9.4E-02	1.1E-01	6.5E-02	1.5E-02	7.5E-02	3.6E-02	4.7E-02	6.9E-02
HEXAVALENT CHROMIUM	1.2E-02	1.3E-02	1.1E-02	1.4E-02	1.2E-02	4.1E-02	2.4E-02	5.7E-03	3.4E-03	4.2E-03	7.5E-03
TOTAL HAZARD INDEX	1.3E+00	6.2E-01	9.0E-01	5.8E-01	5.8E-01	2.0E-01	1.9E-01	3.5E-01	2.0E-01	2.8E-01	3.7E-01

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-462	SB-462	SB-462	SB-462	SB-463	SB-463	SB-463	SB-463	SB-464	SB-464	SB-464
SAMPLE ID	SB-462-0203	SB-462-0304	SB-462-0506	SB-462-0708	SB-463-0203	SB-463-0304	SB-463-0506	SB-463-0708	SB-464-0203	SB-464-0304	SB-464-0506
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	9.9E-04	4.5E-05	4.9E-05	4.7E-05	3.0E-04	4.9E-05	4.9E-05	4.9E-05	4.5E-05	4.9E-05	4.9E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	9.9E-04	4.5E-05	4.9E-05	4.7E-05	3.0E-04	4.9E-05	4.9E-05	4.9E-05	4.5E-05	4.9E-05	4.9E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	1.3E-02	5.7E-04	6.3E-04	6.0E-04	3.8E-03	6.3E-04	6.3E-04	6.3E-04	5.7E-04	6.3E-04	6.3E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.3E-02	5.7E-04	6.3E-04	6.0E-04	3.8E-03	6.3E-04	6.3E-04	6.3E-04	5.7E-04	6.3E-04	6.3E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-464	SB-465	SB-465	SB-465	SB-465	SB-466	SB-466	SB-466	SB-466	SB-467	SB-467
SAMPLE ID	SB-464-0708	SB-465-0203	SB-465-0304	SB-465-0506	SB-465-0708	SB-466-0203	SB-466-0304	SB-466-0506	SB-466-0708	SB-467-0203	SB-467-0304
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.5E-05	4.7E-05	4.7E-05	4.5E-05	4.5E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.5E-05	4.7E-05	4.7E-05	4.5E-05	4.5E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	6.0E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04	5.7E-04	5.7E-04	6.0E-04	6.0E-04	5.7E-04	5.7E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	6.0E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04	5.7E-04	5.7E-04	6.0E-04	6.0E-04	5.7E-04	5.7E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-467	SB-467	SB-468	SB-468	SB-468	SB-468	SB-469	SB-469	SB-469	SB-469	SB-620	SB-620
SAMPLE ID	SB-467-0506	SB-467-0708	SB-468-0203	SB-468-0304	SB-468-0506	SB-468-0708	SB-469-0203	SB-469-0304	SB-469-0506	SB-469-0708	H-SB-620-5	H-SB-620-6
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20071023	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	5	6
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	5	6
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05		
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05		
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE												
ARSENIC												
COBALT												
LEAD												
MERCURY	6.0E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04		
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX	6.0E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04		

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-620	SB-620	SB-621	SB-621	SB-622	SB-622	SB-623	SB-623	SB-814	SB-814	SB-814	SB-814
SAMPLE ID	H-SB-620-6-AVG	H-SB-620-6-D	H-SB-621-5	H-SB-621-6	H-SB-622-5	H-SB-622-6	H-SB-623-5	H-SB-623-6	H-SB-814-03	H-SB-814-05	H-SB-814-07	H-SB-814-09
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20090928	20100826	20100826	20100826	20100826
SAMPLE CODE	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	6	6	5	6	5	6	5	6	3	5	7	9
BOTTOM DEPTH	6	6	5	6	5	6	5	6	3	5	7	9
INDUSTRIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE									2.4E-06	2.3E-06	2.4E-06	3.5E-05
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX									2.4E-06	2.3E-06	2.4E-06	3.5E-05
RESIDENTIAL												
BAP EQUIVALENT-HALFND												
NAPHTHALENE									1.1E-05	1.1E-05	1.1E-05	1.6E-04
ARSENIC												
COBALT												
LEAD												
MERCURY												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL HAZARD INDEX									1.1E-05	1.1E-05	1.1E-05	1.6E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-815	SB-815	SB-815	SB-815	SB-816	SB-816	SB-816	SB-816	SB-816	SB-816	SB-817
SAMPLE ID	H-SB-815-03	H-SB-815-05	H-SB-815-07	H-SB-815-09	H-SB-816-03	H-SB-816-03-AVG	H-SB-816-03-D	H-SB-816-05	H-SB-816-07	H-SB-816-09	H-SB-817-03
SAMPLE DATE	20100826	20100826	20100826	20100826	20100827	20100827	20100827	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	9	3	3	3	5	7	9	3
BOTTOM DEPTH	3	5	7	9	3	3	3	5	7	9	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.2E-06	2.4E-06	2.4E-06	2.6E-06	2.3E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.6E-06	2.3E-06
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.2E-06	2.4E-06	2.4E-06	2.6E-06	2.3E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.6E-06	2.3E-06
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.0E-05	1.1E-05	1.1E-05	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.1E-05
ARSENIC											
COBALT											
LEAD											
MERCURY											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.0E-05	1.1E-05	1.1E-05	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.2E-05	1.1E-05

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-817	SB-817	SB-817	SB-817	SB-817	SB-470	SB-470	SB-470	SB-470	SB-471	SB-471
SAMPLE ID	H-SB-817-05	H-SB-817-07	H-SB-817-07-AVG	H-SB-817-07-D	H-SB-817-09	SB-470-0203	SB-470-0304	SB-470-0506	SB-470-0708	SB-471-0203	SB-471-0304
SAMPLE DATE	20100827	20100827	20100827	20100827	20100827	20071023	20071023	20071023	20071023	20071023	20071023
SAMPLE CODE	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	7	7	9	2	3	5	7	2	3
BOTTOM DEPTH	5	7	7	7	9	3	4	6	8	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	2.5E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06						
ARSENIC											
COBALT											
LEAD											
MERCURY						1.1E-04	8.9E-05	9.4E-05	9.4E-05	9.9E-05	9.9E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	2.5E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	1.1E-04	8.9E-05	9.4E-05	9.4E-05	9.9E-05	9.9E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05						
ARSENIC											
COBALT											
LEAD											
MERCURY						1.4E-03	1.1E-03	1.2E-03	1.2E-03	1.3E-03	1.3E-03
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05	1.4E-03	1.1E-03	1.2E-03	1.2E-03	1.3E-03	1.3E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-471	SB-471	SB-472	SB-472	SB-472	SB-472	SB-473	SB-473	SB-473	SB-473	SB-474
SAMPLE ID	SB-471-0506	SB-471-0708	SB-472-0203	SB-472-0304	SB-472-0506	SB-472-0708	SB-473-0203	SB-473-0304	SB-473-0506	SB-473-0708	SB-474-0203
SAMPLE DATE	20071023	20071023	20071023	20071023	20071023	20071023	20071024	20071024	20071024	20071024	20071024
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	9.4E-05	9.4E-05	8.9E-05	9.4E-05	9.4E-05	9.4E-05	8.9E-05	9.4E-05	1.0E-04	9.9E-05	1.2E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	9.4E-05	9.4E-05	8.9E-05	9.4E-05	9.4E-05	9.4E-05	8.9E-05	9.4E-05	1.0E-04	9.9E-05	1.2E-04
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	1.2E-03	1.2E-03	1.1E-03	1.2E-03	1.2E-03	1.2E-03	1.1E-03	1.2E-03	1.3E-03	1.3E-03	1.5E-03
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	1.2E-03	1.2E-03	1.1E-03	1.2E-03	1.2E-03	1.2E-03	1.1E-03	1.2E-03	1.3E-03	1.3E-03	1.5E-03

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-474	SB-474	SB-474	SB-475	SB-475	SB-475	SB-475	SB-476	SB-476	SB-476	SB-476
SAMPLE ID	SB-474-0304	SB-474-0506	SB-474-0708	SB-475-0203	SB-475-0304	SB-475-0506	SB-475-0708	SB-476-0203	SB-476-0304	SB-476-0506	SB-476-0708
SAMPLE DATE	20071024	20071024	20071024	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	4.5E-04	4.2E-05	4.5E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.9E-05	4.7E-05	4.7E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.5E-04	4.2E-05	4.5E-05	4.5E-05	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.9E-05	4.7E-05	4.7E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	5.7E-03	5.4E-04	5.7E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04	5.7E-04	6.3E-04	6.0E-04	6.0E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	5.7E-03	5.4E-04	5.7E-04	5.7E-04	6.0E-04	6.0E-04	6.0E-04	5.7E-04	6.3E-04	6.0E-04	6.0E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-477	SB-477	SB-477	SB-477	SB-478	SB-478	SB-478	SB-478	SB-479	SB-479	SB-479
SAMPLE ID	SB-477-0203	SB-477-0304	SB-477-0506	SB-477-0708	SB-478-0203	SB-478-0304	SB-478-0506	SB-478-0708	SB-479-0203	SB-479-0304	SB-479-0506
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025	20071025
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	2	3	5	7	2	3	5	7	2	3	5
BOTTOM DEPTH	3	4	6	8	3	4	6	8	3	4	6
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	4.9E-05	4.9E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.9E-05	4.9E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	6.3E-04	6.3E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	6.3E-04	6.3E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-479	SB-480	SB-480	SB-480	SB-480	SB-481	SB-481	SB-481	SB-481	SB-482	SB-482
SAMPLE ID	SB-479-0708	SB-480-0203	SB-480-0304	SB-480-0506	SB-480-0708	SB-481-0203	SB-481-0304	SB-481-0506	SB-481-0708	SB-482-0203	SB-482-0304
SAMPLE DATE	20071025	20071025	20071025	20071025	20071025	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	7	2	3	5	7	2	3	5	7	2	3
BOTTOM DEPTH	8	3	4	6	8	3	4	6	8	3	4
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	4.5E-05	4.5E-05	4.5E-05	4.7E-05	4.5E-05	9.9E-04	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.5E-05	4.5E-05	4.5E-05	4.7E-05	4.5E-05	9.9E-04	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	5.7E-04	5.7E-04	5.7E-04	6.0E-04	5.7E-04	1.3E-02	6.0E-04	6.0E-04	6.0E-04	6.0E-04	6.0E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	5.7E-04	5.7E-04	5.7E-04	6.0E-04	5.7E-04	1.3E-02	6.0E-04	6.0E-04	6.0E-04	6.0E-04	6.0E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-482	SB-482	SB-483	SB-483	SB-483	SB-483	SB-484	SB-484	SB-484	SB-484	SB-485
SAMPLE ID	SB-482-0506	SB-482-0708	SB-483-0203	SB-483-0304	SB-483-0506	SB-483-0708	SB-484-0203	SB-484-0304	SB-484-0506	SB-484-0708	SB-485-0203
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	5	7	2	3	5	7	2	3	5	7	2
BOTTOM DEPTH	6	8	3	4	6	8	3	4	6	8	3
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	4.7E-05	4.7E-05	1.6E-04	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.7E-05	4.7E-05	1.6E-04	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	6.0E-04	6.0E-04	2.1E-03	6.0E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	6.0E-04	6.0E-04	2.1E-03	6.0E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-485	SB-485	SB-485	SB-486	SB-486	SB-486	SB-486	SB-487	SB-487	SB-487	SB-487
SAMPLE ID	SB-485-0304	SB-485-0506	SB-485-0708	SB-486-0203	SB-486-0304	SB-486-0506	SB-486-0708	SB-487-0203	SB-487-0304	SB-487-0506	SB-487-0708
SAMPLE DATE	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
TOP DEPTH	3	5	7	2	3	5	7	2	3	5	7
BOTTOM DEPTH	4	6	8	3	4	6	8	3	4	6	8
INDUSTRIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	4.7E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05	4.5E-05	4.7E-05	4.5E-05	4.7E-05	4.7E-05
RESIDENTIAL											
BAP EQUIVALENT-HALFND											
NAPHTHALENE											
ARSENIC											
COBALT											
LEAD											
MERCURY	6.0E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL HAZARD INDEX	6.0E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04	5.7E-04	6.0E-04	5.7E-04	6.0E-04	6.0E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.4
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SUBSURFACE SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-488	SB-488	SB-488	SB-488
SAMPLE ID	SB-488-0203	SB-488-0304	SB-488-0506	SB-488-0708
SAMPLE DATE	20071029	20071029	20071029	20071029
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB	SB
TOP DEPTH	2	3	5	7
BOTTOM DEPTH	3	4	6	8
INDUSTRIAL				
BAP EQUIVALENT-HALFND				
NAPHTHALENE				
ARSENIC				
COBALT				
LEAD				
MERCURY	4.5E-05	4.5E-05	4.7E-05	4.7E-05
VANADIUM				
HEXAVALENT CHROMIUM				
TOTAL HAZARD INDEX	4.5E-05	4.5E-05	4.7E-05	4.7E-05
RESIDENTIAL				
BAP EQUIVALENT-HALFND				
NAPHTHALENE				
ARSENIC				
COBALT				
LEAD				
MERCURY	5.7E-04	5.7E-04	6.0E-04	6.0E-04
VANADIUM				
HEXAVALENT CHROMIUM				
TOTAL HAZARD INDEX	5.7E-04	5.7E-04	6.0E-04	6.0E-04

Legend
Hazard Index Values

> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

TABLE E-5.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-200RE	SB-282	SB-282	SB-282	SB-282	SB-282
SAMPLE ID	H-SB-200RE-11	H-SB-200RE-12	H-SB-200RE-13	H-SB-200RE-14	H-SB-200RE-15	H-SB-282RE-11	H-SB-282RE-12	H-SB-282RE-13	H-SB-282RE-14	H-SB-282RE-15
SAMPLE DATE	20090928	20090928	20090928	20090928	20090928	20090929	20090929	20090929	20090929	20090929
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	13	14	15	11	12	13	14	15
BOTTOM DEPTH	11	12	13	14	15	11	12	13	14	15
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	2.3E-07	5.7E-07	2.9E-06	4.9E-08	4.1E-07	2.8E-09	5.4E-08	5.1E-06	1.8E-08	2.8E-09
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.3E-07	5.7E-07	2.9E-06	4.9E-08	4.1E-07	2.8E-09	5.4E-08	5.1E-06	1.8E-08	2.8E-09
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	5.0E-06	1.2E-05	6.4E-05	1.1E-06	9.0E-06	6.0E-08	1.2E-06	1.1E-04	4.0E-07	6.0E-08
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	5.0E-06	1.2E-05	6.4E-05	1.1E-06	9.0E-06	6.0E-08	1.2E-06	1.1E-04	4.0E-07	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-282A	SB-282A	SB-282A	SB-282B	SB-282B	SB-282B	SB-282C	SB-282C	SB-282C	SB-282D
SAMPLE ID	H-SB-282REA-11	H-SB-282REA-13	H-SB-282REA-15	H-SB-282REB-11	H-SB-282REB-13	H-SB-282REB-15	H-SB-282REC-11	H-SB-282REC-13	H-SB-282REC-15	H-SB-282RED-11
SAMPLE DATE	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110	20091110
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	13	15	11
BOTTOM DEPTH	11	13	15	11	13	15	11	13	15	11
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	2.8E-09	1.4E-06	1.1E-07	1.7E-07	1.3E-06	2.8E-09	7.4E-06	4.3E-06	1.0E-06	2.6E-09
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	2.8E-09	1.4E-06	1.1E-07	1.7E-07	1.3E-06	2.8E-09	7.4E-06	4.3E-06	1.0E-06	2.6E-09
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND	6.0E-08	3.1E-05	2.5E-06	3.6E-06	2.8E-05	6.0E-08	1.6E-04	9.4E-05	2.2E-05	5.6E-08
NAPHTHALENE										
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL CANCER RISK	6.0E-08	3.1E-05	2.5E-06	3.6E-06	2.8E-05	6.0E-08	1.6E-04	9.4E-05	2.2E-05	5.6E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-282D	SB-282D	SB-285	SB-285	SB-286RE	SB-286RE	SB-286RE	SB-596	SB-596	SB-597	SB-597
SAMPLE ID	H-SB-282RED-13	H-SB-282RED-15	H-SB-285RE-11	H-SB-285RE-12	H-SB-286RE-11	H-SB-286RE-12	H-SB-286RE-15	H-SB-596-11	H-SB-596-12	H-SB-597-11	H-SB-597-12
SAMPLE DATE	20091110	20091110	20090925	20090925	20090925	20090925	20090925	20090929	20090929	20090928	20090928
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	13	15	11	12	11	12	15	11	12	11	12
BOTTOM DEPTH	13	15	11	12	11	12	15	11	12	11	12
INDUSTRIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	7.8E-07	2.6E-09	2.6E-09	2.6E-09	1.2E-07	5.7E-08	2.8E-09	9.1E-09	4.5E-07	2.6E-09	2.8E-09
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	7.8E-07	2.6E-09	2.6E-09	2.6E-09	1.2E-07	5.7E-08	2.8E-09	9.1E-09	4.5E-07	2.6E-09	2.8E-09
RESIDENTIAL											
1,2,3-TRICHLOROBENZENE											
1,2,4-TRICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
BAP EQUIVALENT-HALFND	1.7E-05	5.6E-08	5.6E-08	5.6E-08	2.5E-06	1.2E-06	6.0E-08	2.0E-07	9.8E-06	5.6E-08	6.0E-08
NAPHTHALENE											
AROCLOR-1254											
AROCLOR-1260											
ANTIMONY											
ARSENIC											
CADMIUM											
COBALT											
IRON											
LEAD											
MANGANESE											
MERCURY											
MOLYBDENUM											
NICKEL											
VANADIUM											
HEXAVALENT CHROMIUM											
TOTAL CANCER RISK	1.7E-05	5.6E-08	5.6E-08	5.6E-08	2.5E-06	1.2E-06	6.0E-08	2.0E-07	9.8E-06	5.6E-08	6.0E-08

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-598	SB-598	SB-599	SB-599	SB-612	SB-612	SB-612	SB-612	SB-613	SB-613	SB-614	SB-614
SAMPLE ID	H-SB-598-11	H-SB-598-12	H-SB-599-11	H-SB-599-12	H-SB-612-11	H-SB-612-11-AVG	H-SB-612-11-D	H-SB-612-12	H-SB-613-11	H-SB-613-12	H-SB-614-11	H-SB-614-12
SAMPLE DATE	20090929	20090929	20090929	20090929	20090928	20090928	20090928	20090928	20090928	20090928	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	11	12	11	11	11	12	11	12	11	12
BOTTOM DEPTH	11	12	11	12	11	11	11	12	11	12	11	12
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	2.8E-09	2.8E-09	5.1E-08	1.2E-07	3.3E-08	2.0E-07	3.7E-07	2.8E-09	3.1E-07	1.5E-07	1.2E-07	3.5E-07
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.8E-09	5.1E-08	1.2E-07	3.3E-08	2.0E-07	3.7E-07	2.8E-09	3.1E-07	1.5E-07	1.2E-07	3.5E-07
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	6.0E-08	6.0E-08	1.1E-06	2.7E-06	7.1E-07	4.4E-06	8.1E-06	6.0E-08	6.7E-06	3.2E-06	2.6E-06	7.5E-06
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	6.0E-08	1.1E-06	2.7E-06	7.1E-07	4.4E-06	8.1E-06	6.0E-08	6.7E-06	3.2E-06	2.6E-06	7.5E-06

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-615	SB-615	SB-616	SB-616	SB-616	SB-616	SB-617	SB-617	SB-617	SB-617	SB-618	SB-618
SAMPLE ID	H-SB-615-11	H-SB-615-12	H-SB-616-11	H-SB-616-11-AVG	H-SB-616-11-D	H-SB-616-12	H-SB-617-11	H-SB-617-11-AVG	H-SB-617-11-D	H-SB-617-12	H-SB-618-11	H-SB-618-12
SAMPLE DATE	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925	20090925
SAMPLE CODE	NORMAL	NORMAL	ORIG	AVG	DUP	NORMAL	ORIG	AVG	DUP	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	11	11	11	12	11	11	11	12	11	12
BOTTOM DEPTH	11	12	11	11	11	12	11	11	11	12	11	12
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	3.9E-08	7.4E-08	4.0E-07	2.1E-07	1.4E-08	2.6E-09	2.8E-09	2.3E-08	4.4E-08	5.4E-08	2.6E-09	9.9E-09
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	3.9E-08	7.4E-08	4.0E-07	2.1E-07	1.4E-08	2.6E-09	2.8E-09	2.3E-08	4.4E-08	5.4E-08	2.6E-09	9.9E-09
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	8.5E-07	1.6E-06	8.8E-06	4.5E-06	2.9E-07	5.6E-08	6.0E-08	5.0E-07	9.5E-07	1.2E-06	5.6E-08	2.2E-07
NAPHTHALENE												
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	8.5E-07	1.6E-06	8.8E-06	4.5E-06	2.9E-07	5.6E-08	6.0E-08	5.0E-07	9.5E-07	1.2E-06	5.6E-08	2.2E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

TABLE E-5.5
CANCER RISK FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-619	SB-619	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815	SB-816	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-619-11	H-SB-619-12	H-SB-814-11	H-SB-814-13	H-SB-814-15	H-SB-815-11	H-SB-815-13	H-SB-815-15	H-SB-816-11	H-SB-817-11	H-SB-817-13	H-SB-817-15
SAMPLE DATE	20090925	20090925	20100826	20100826	20100826	20100826	20100826	20100826	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	12	11	13	15	11	13	15	11	11	13	15
BOTTOM DEPTH	11	12	11	13	15	11	13	15	11	11	13	15
INDUSTRIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	2.8E-09	2.6E-09	6.9E-09	1.7E-07	5.7E-08	5.4E-08	9.3E-07	6.9E-09	7.0E-07	6.8E-09	6.8E-09	6.8E-09
NAPHTHALENE			8.7E-11	8.9E-11	8.4E-11	8.4E-11	4.3E-10	8.7E-11	8.4E-11	8.4E-11	8.4E-11	8.4E-11
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	2.8E-09	2.6E-09	7.0E-09	1.7E-07	5.7E-08	5.4E-08	9.3E-07	7.0E-09	7.0E-07	6.8E-09	6.8E-09	6.8E-09
RESIDENTIAL												
1,2,3-TRICHLOROBENZENE												
1,2,4-TRICHLOROBENZENE												
1,3-DICHLOROBENZENE												
1,4-DICHLOROBENZENE												
BAP EQUIVALENT-HALFND	6.0E-08	5.6E-08	1.5E-07	3.6E-06	1.2E-06	1.2E-06	2.0E-05	1.5E-07	1.5E-05	1.5E-07	1.5E-07	1.5E-07
NAPHTHALENE			4.4E-10	4.5E-10	4.3E-10	4.3E-10	2.2E-09	4.4E-10	4.3E-10	4.3E-10	4.3E-10	4.3E-10
AROCLOR-1254												
AROCLOR-1260												
ANTIMONY												
ARSENIC												
CADMIUM												
COBALT												
IRON												
LEAD												
MANGANESE												
MERCURY												
MOLYBDENUM												
NICKEL												
VANADIUM												
HEXAVALENT CHROMIUM												
TOTAL CANCER RISK	6.0E-08	5.6E-08	1.5E-07	3.6E-06	1.2E-06	1.2E-06	2.0E-05	1.5E-07	1.5E-05	1.5E-07	1.5E-07	1.5E-07

Legend
Cancer Risk Values

> 1E-2
1E-03 < 1E-02
1E-04 < 1E-03
1E-05 < 1E-04
1E-06 < 1E-05
< 1E-06

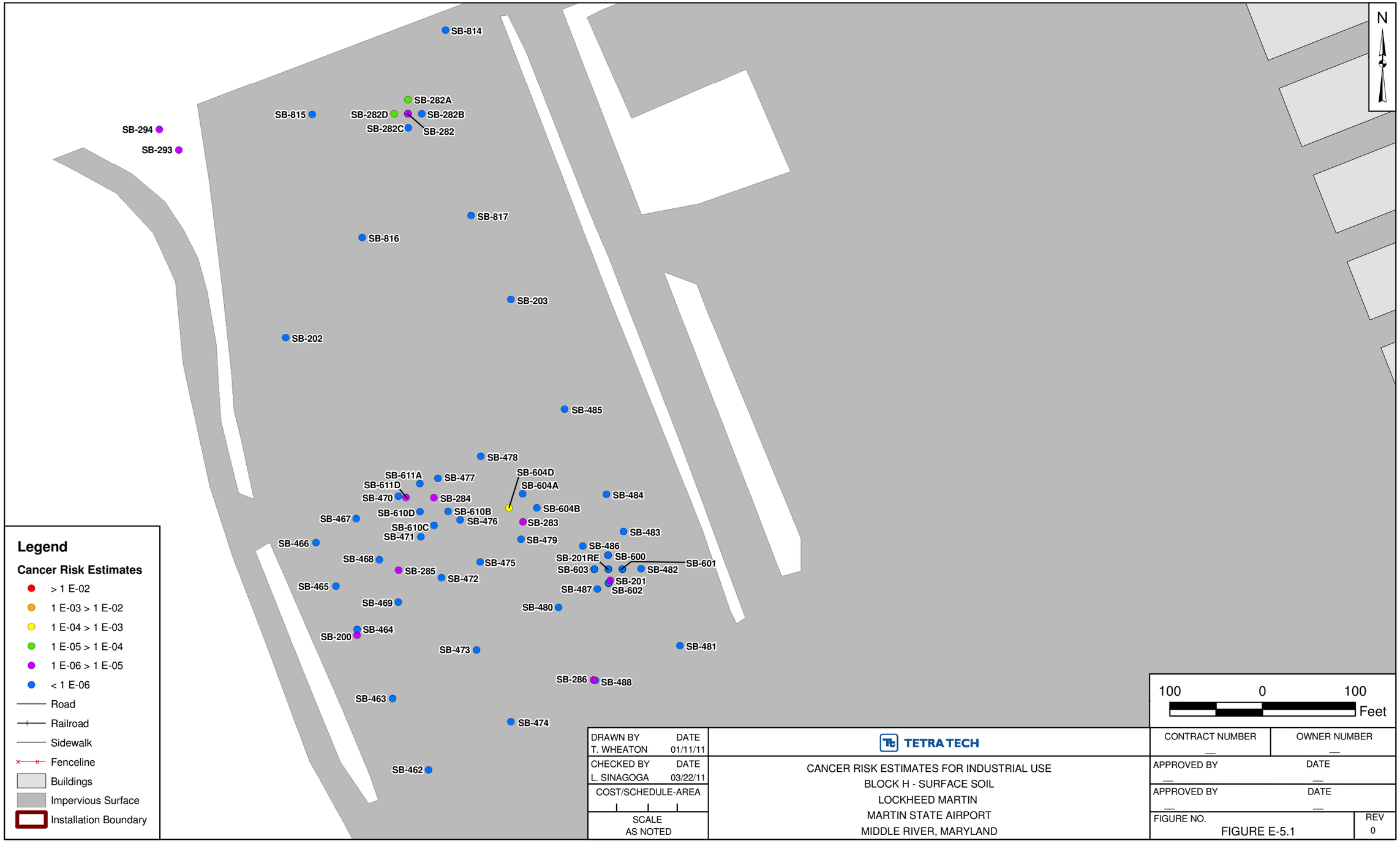
TABLE E-5.6
HAZARD INDICES FOR INDIVIDUAL SAMPLE LOCATIONS - SATURATED SOIL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

LOCATION	SB-814	SB-814	SB-814	SB-815	SB-815	SB-815	SB-816	SB-817	SB-817	SB-817
SAMPLE ID	H-SB-814-11	H-SB-814-13	H-SB-814-15	H-SB-815-11	H-SB-815-13	H-SB-815-15	H-SB-816-11	H-SB-817-11	H-SB-817-13	H-SB-817-15
SAMPLE DATE	20100826	20100826	20100826	20100826	20100826	20100826	20100827	20100827	20100827	20100827
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SAMPLE TYPE	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
TOP DEPTH	11	13	15	11	13	15	11	11	13	15
BOTTOM DEPTH	11	13	15	11	13	15	11	11	13	15
INDUSTRIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND										
NAPHTHALENE	2.5E-06	2.6E-06	2.4E-06	2.4E-06	1.3E-05	2.5E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL HAZARD INDEX	2.5E-06	2.6E-06	2.4E-06	2.4E-06	1.3E-05	2.5E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06
RESIDENTIAL										
1,2,3-TRICHLOROBENZENE										
1,2,4-TRICHLOROBENZENE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
BAP EQUIVALENT-HALFND										
NAPHTHALENE	1.2E-05	1.2E-05	1.1E-05	1.1E-05	5.9E-05	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05
AROCLOR-1254										
AROCLOR-1260										
ANTIMONY										
ARSENIC										
CADMIUM										
COBALT										
IRON										
LEAD										
MANGANESE										
MERCURY										
MOLYBDENUM										
NICKEL										
VANADIUM										
HEXAVALENT CHROMIUM										
TOTAL HAZARD INDEX	1.2E-05	1.2E-05	1.1E-05	1.1E-05	5.9E-05	1.2E-05	1.1E-05	1.1E-05	1.1E-05	1.1E-05

Legend
Hazard Index Values

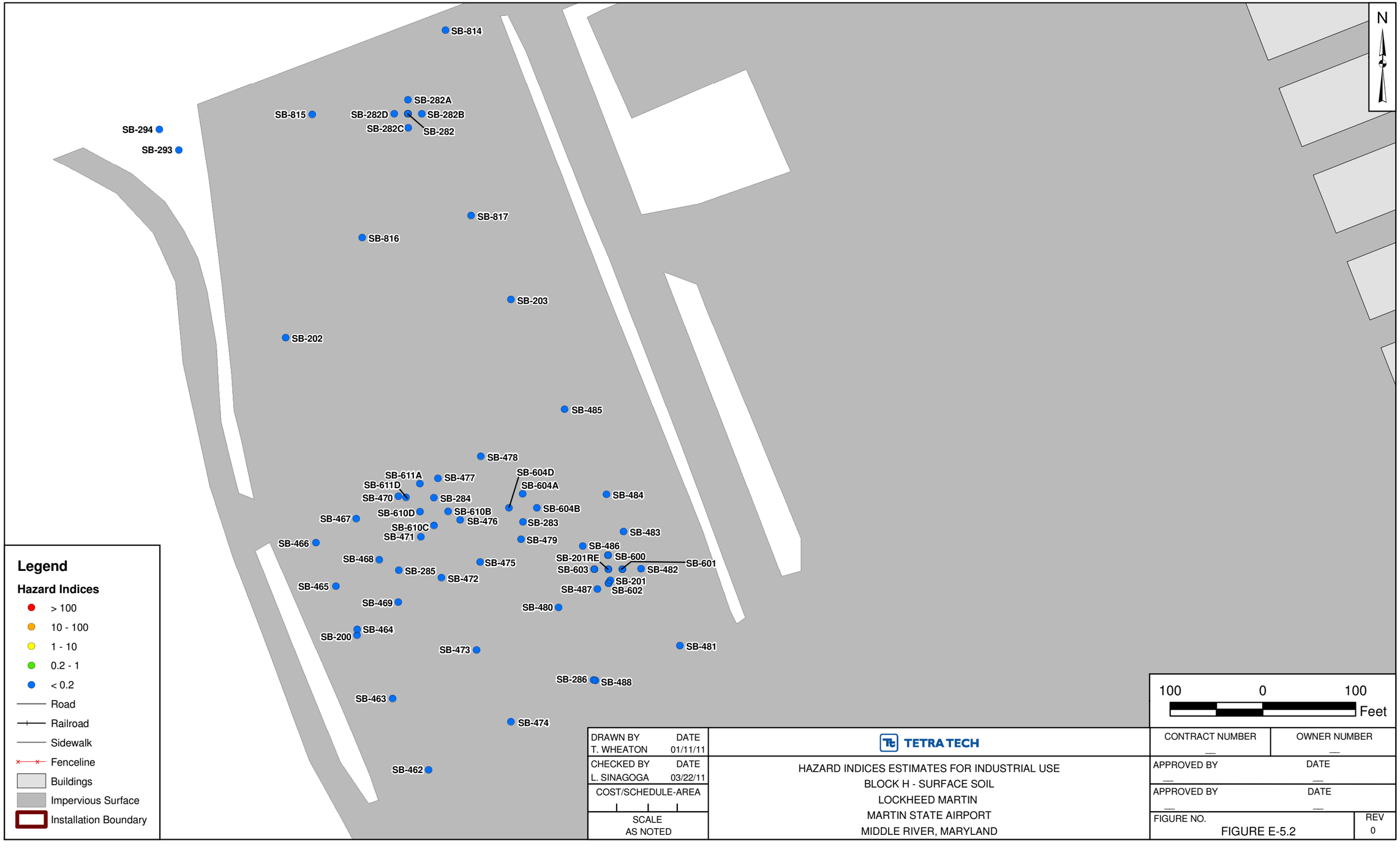
> 1E+2
1E+1 < 1E+2
1E+0 < 1E+1
2E-1 < 1E+0
<2E-1

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKH_SURFACE_INDUSTRIAL_CR.MXD 03/22/11 TW



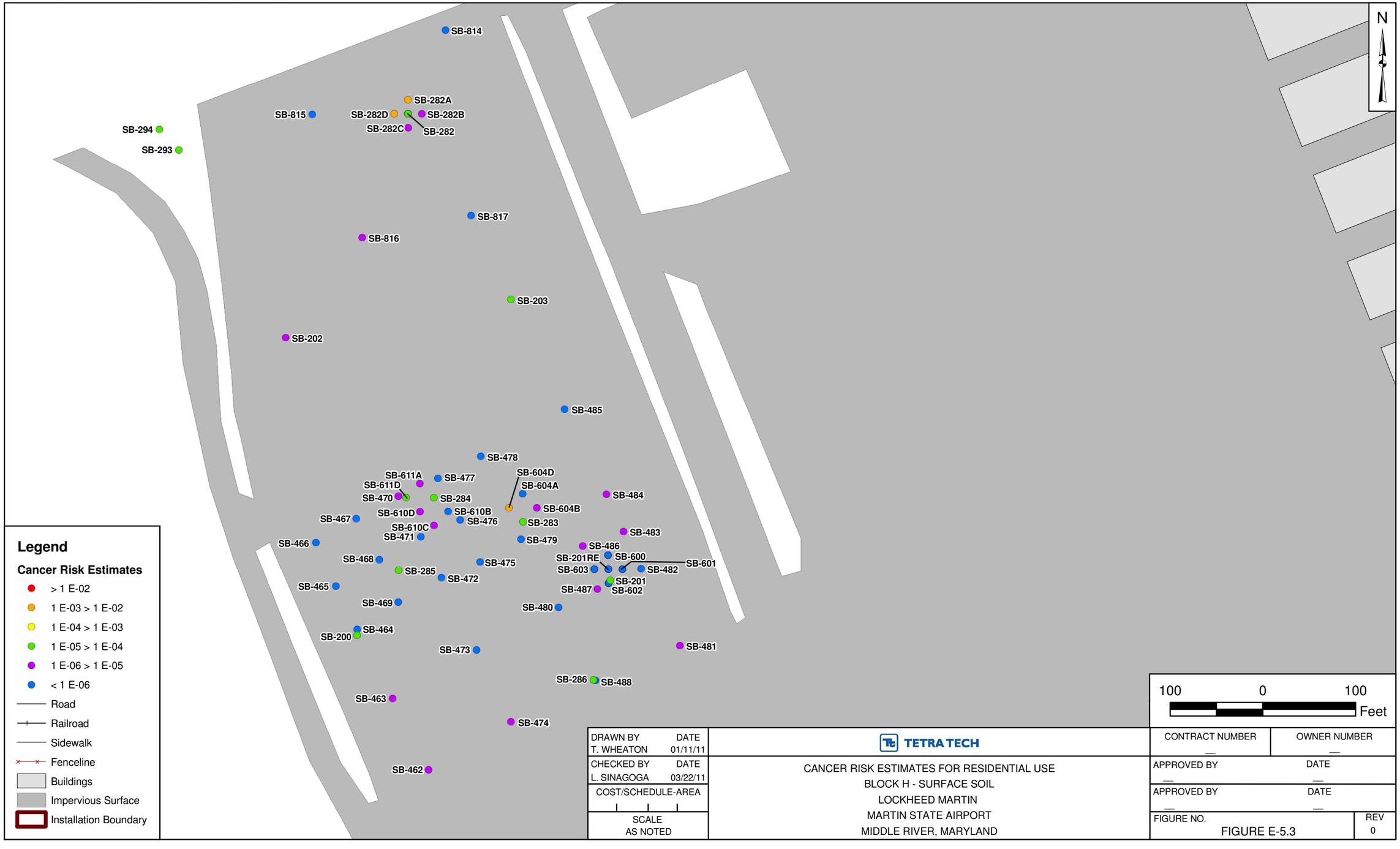
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CHECKED BY L. SINAGOGA	DATE 03/22/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK H - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.1 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKH_SURFACE_INDUSTRIAL_HI.MXD 03/22/11 TW



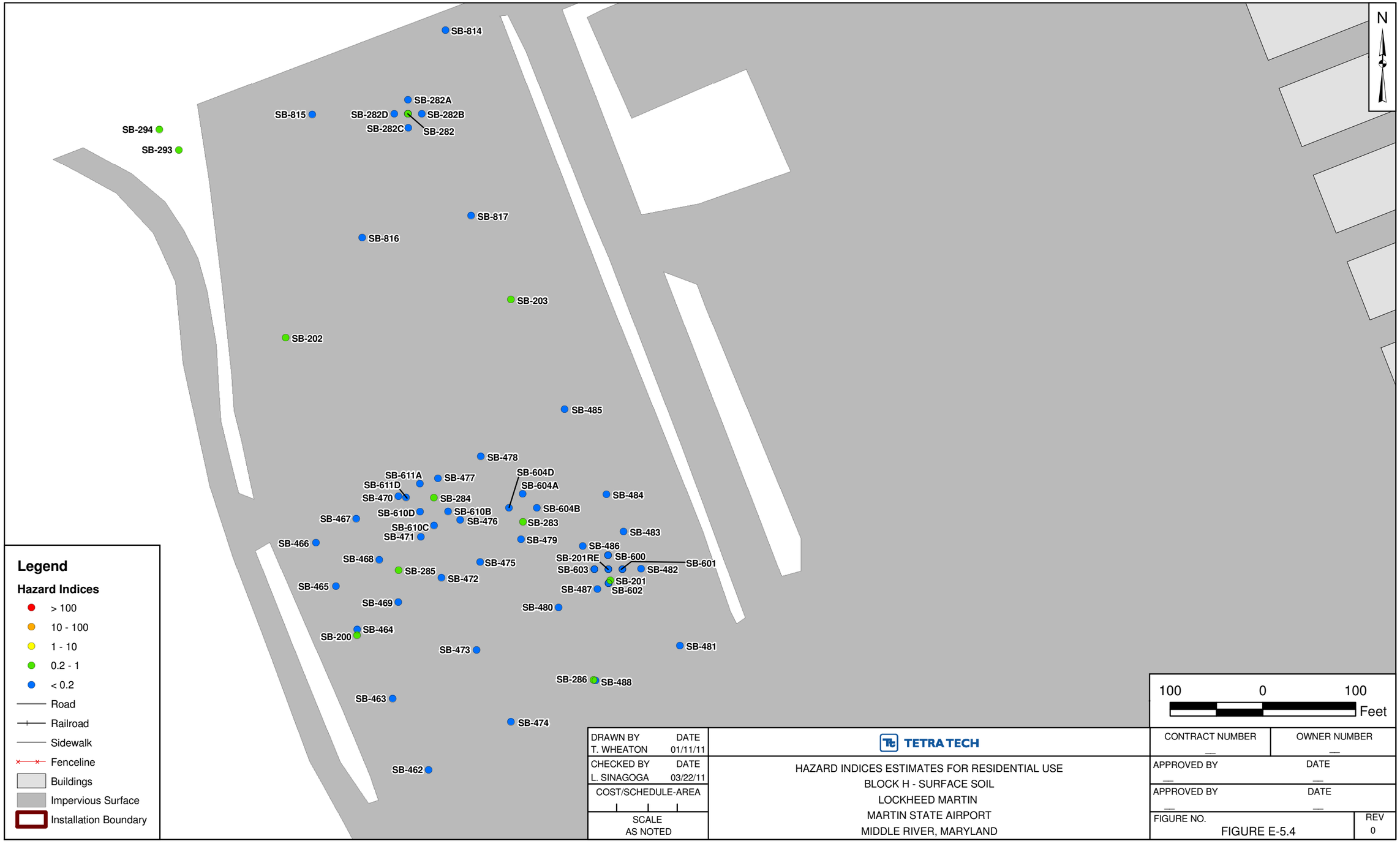
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CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK H - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.2 / REV 0

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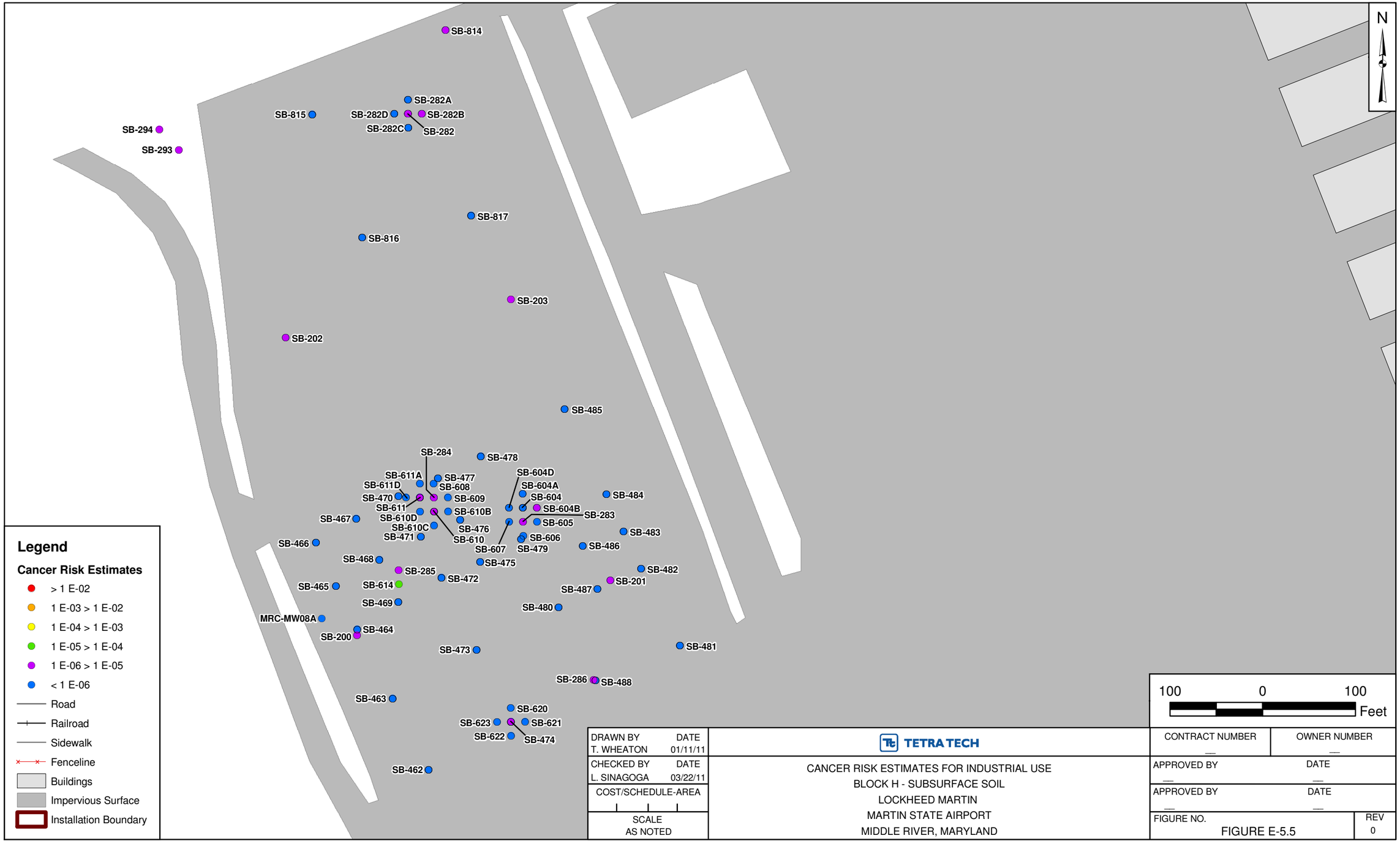
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CHECKED BY L. SINAGOGA	DATE 03/22/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK H - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.3 / REV 0

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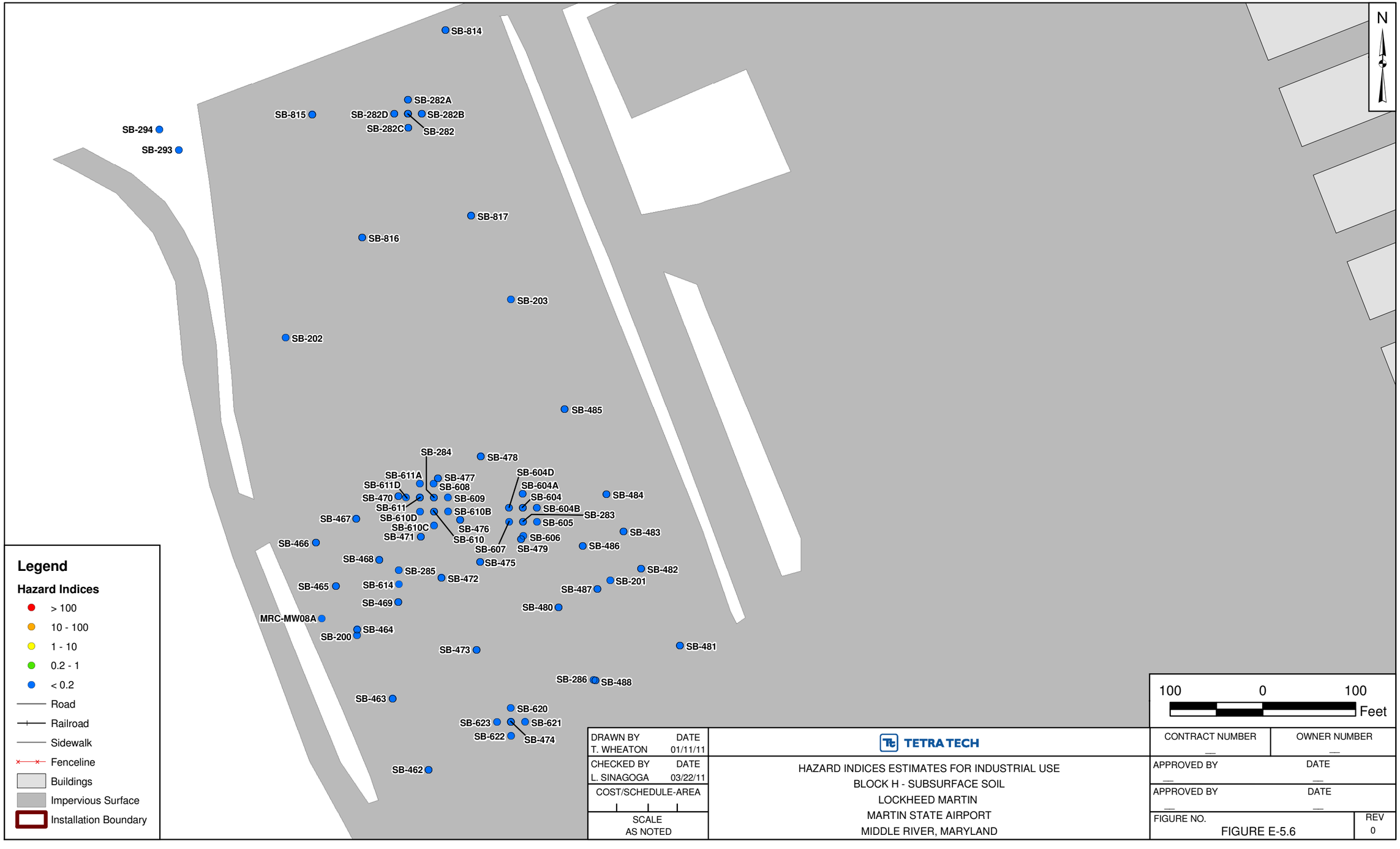
DRAWN BY T. WHEATON	DATE 01/11/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK H - SURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.4 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKH_SUBSURFACE_INDUSTRIAL_CR.MXD 03/22/11 TW



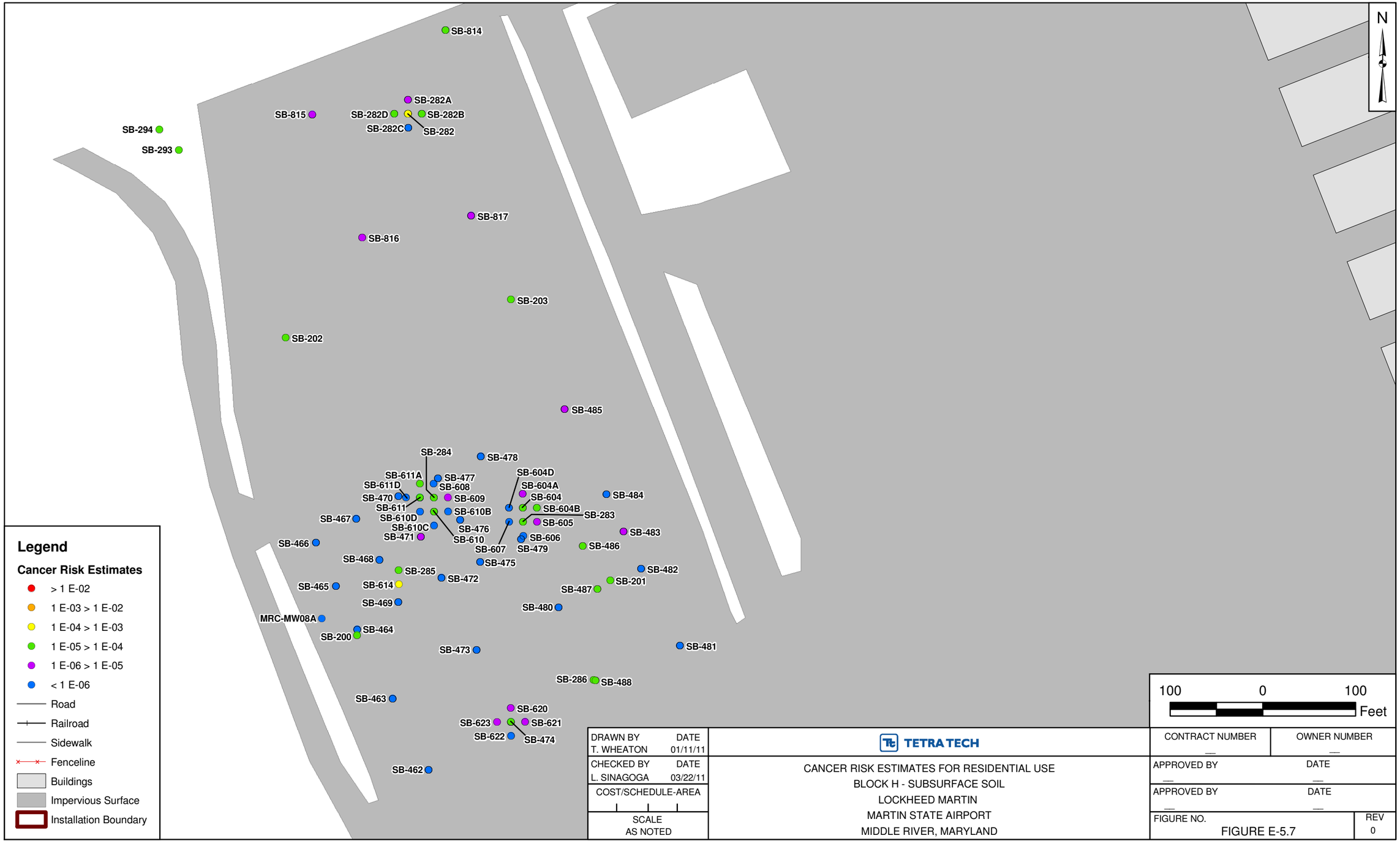
DRAWN BY T. WHEATON	DATE 01/11/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK H - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.5 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKH_SUBSURFACE_INDUSTRIAL_HI.MXD 03/22/11 TW



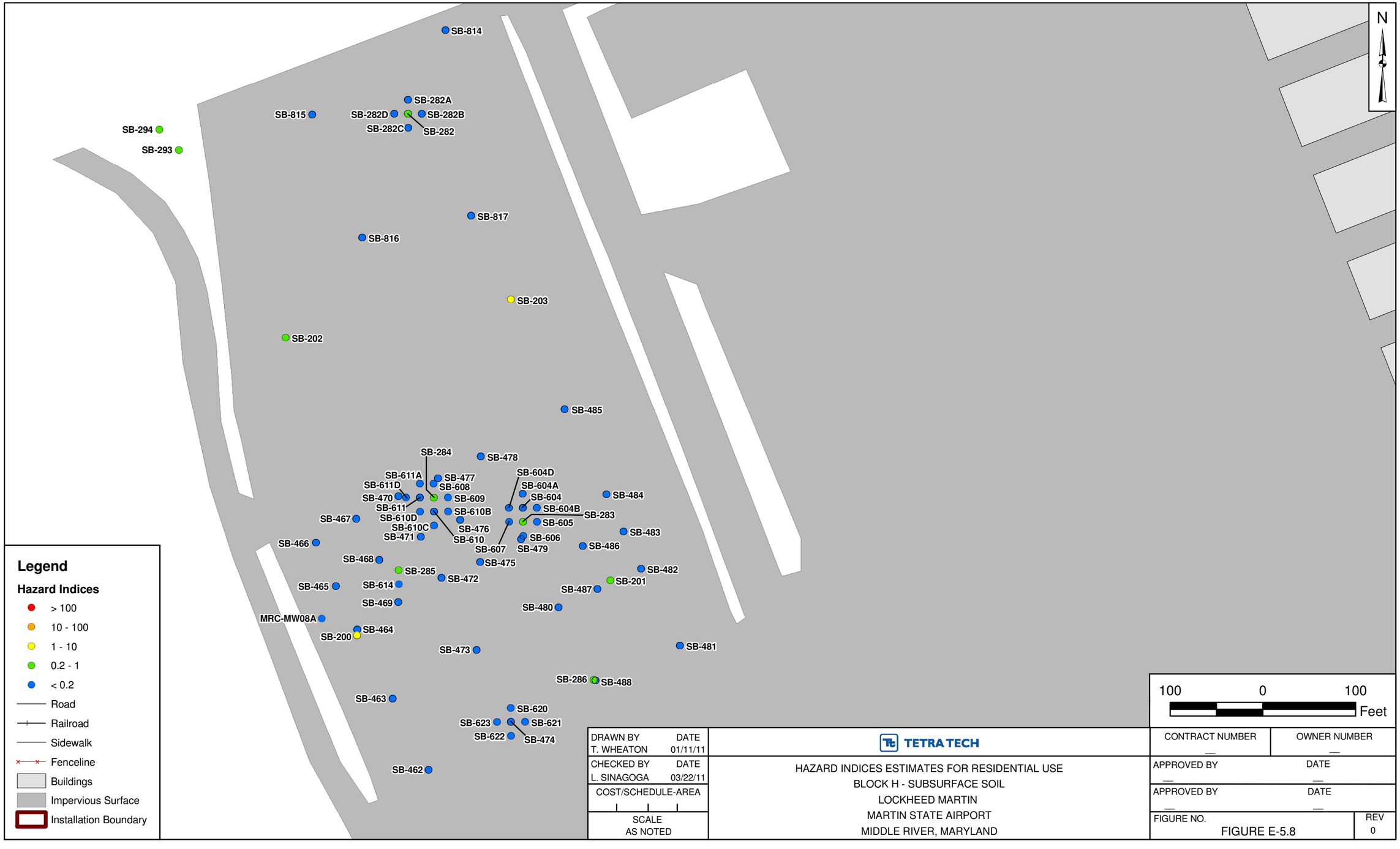
DRAWN BY T. WHEATON	DATE 01/11/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK H - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.6 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKH_SUBSURFACE_RESIDENTIAL_CR.MXD 03/22/11 TW



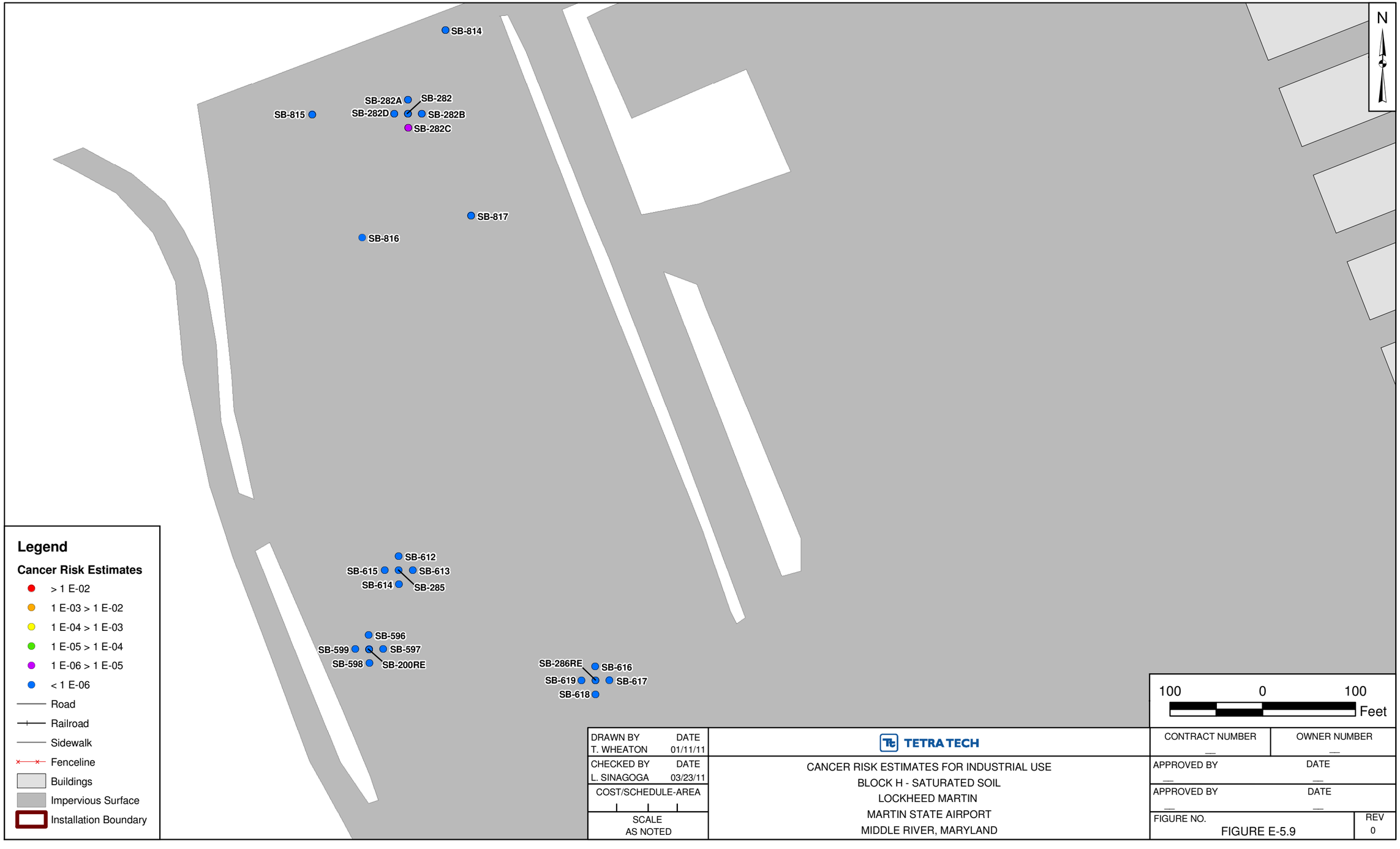
DRAWN BY T. WHEATON	DATE 01/11/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK H - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.7 / REV 0

P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\TAX_BLOCKS\BLOCKH_SUBSURFACE_RESIDENTIAL_HI.MXD 03/22/11 TW



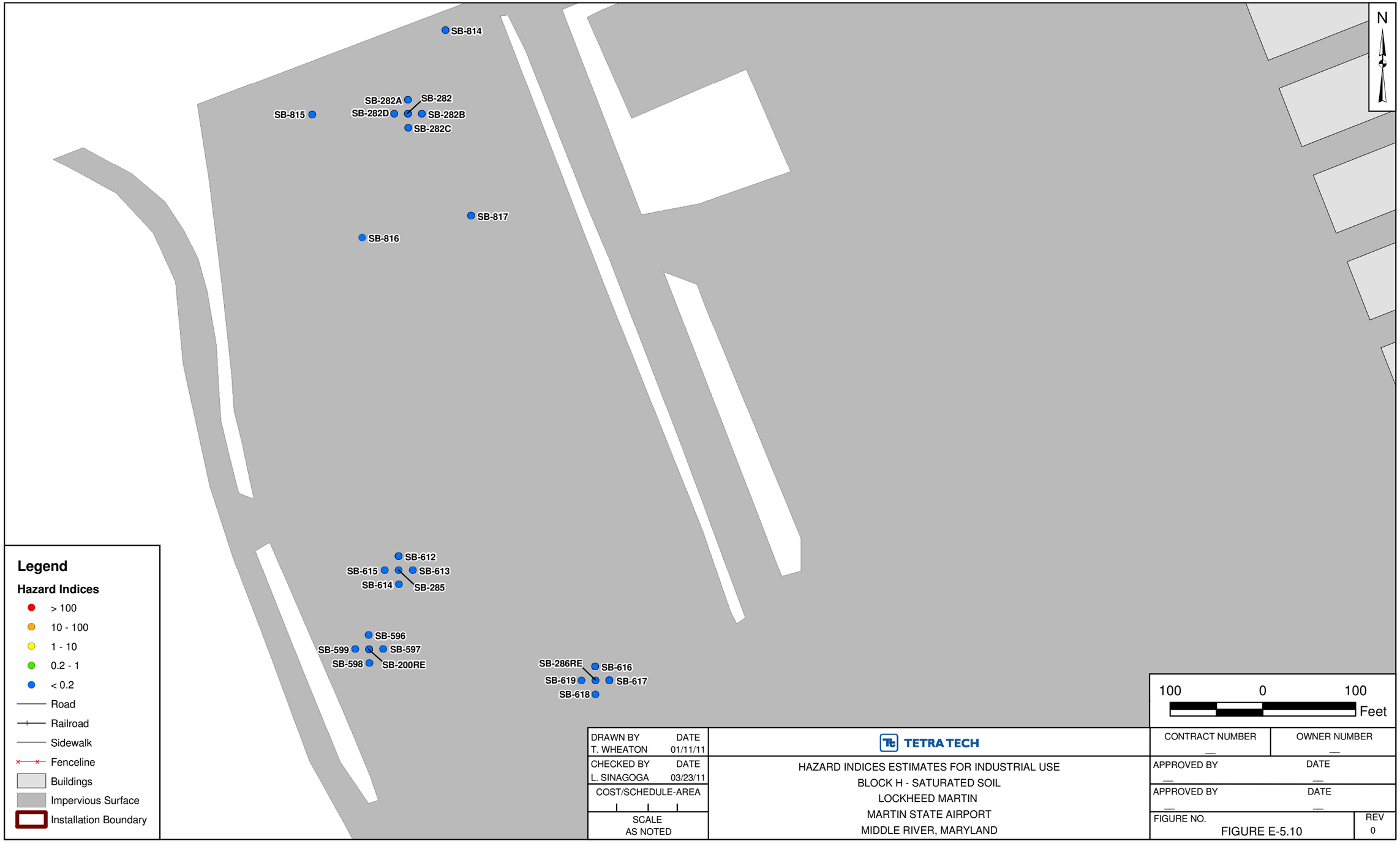
DRAWN BY T. WHEATON	DATE 01/11/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/22/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK H - SUBSURFACE SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.8 / REV 0

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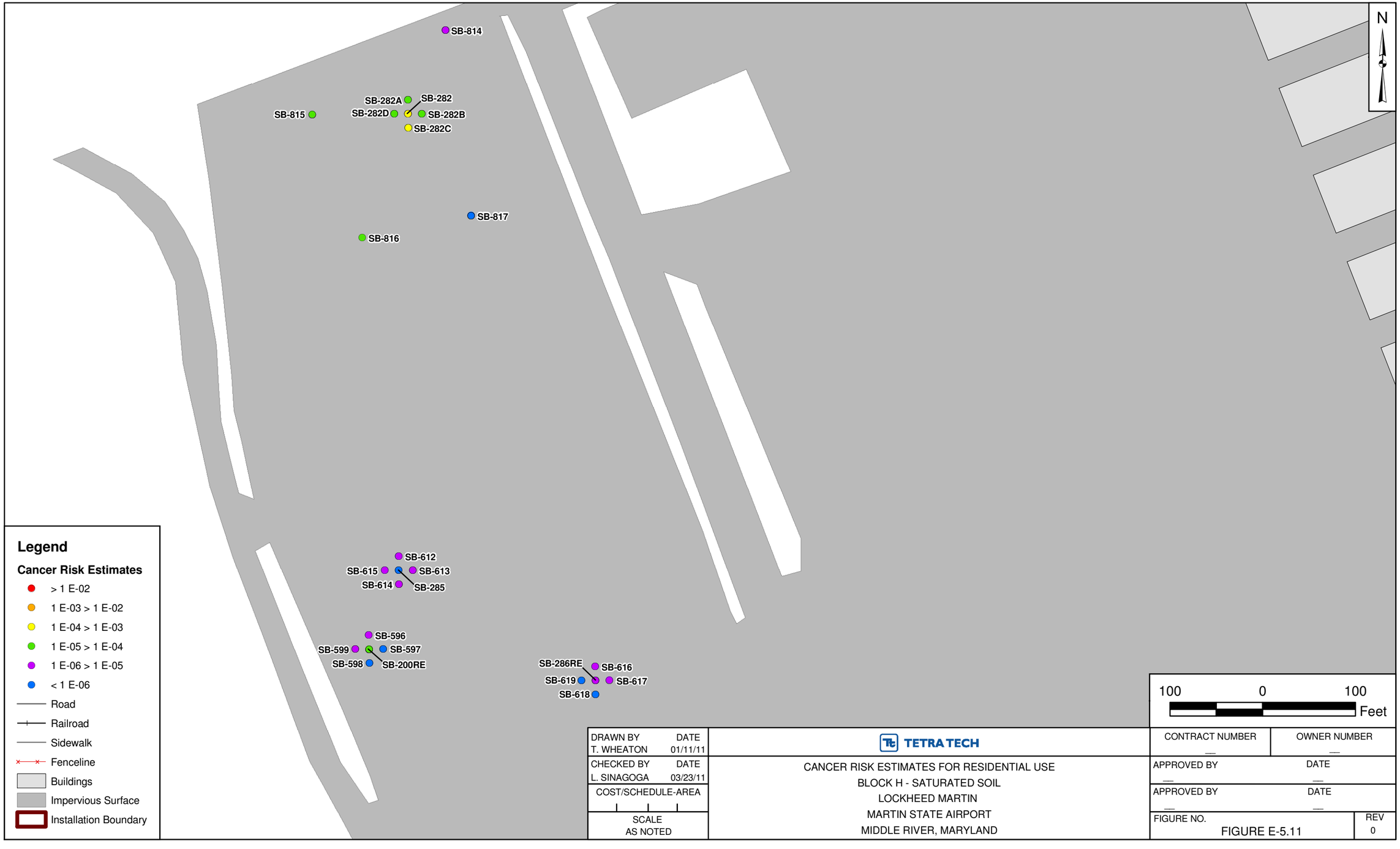
DRAWN BY T. WHEATON	DATE 01/11/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	CANCER RISK ESTIMATES FOR INDUSTRIAL USE BLOCK H - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.9 / REV 0

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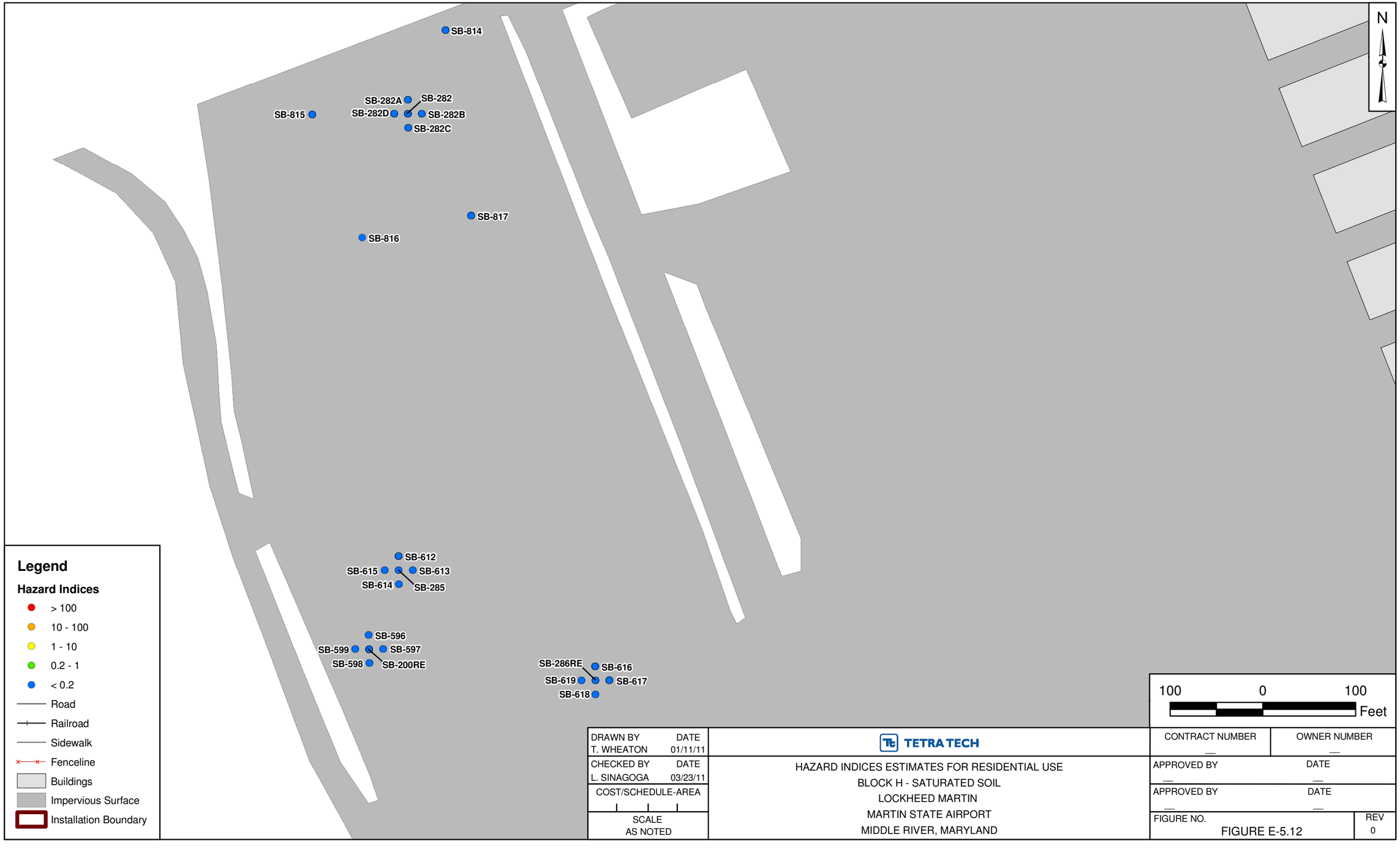
DRAWN BY T. WHEATON	DATE 01/11/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	HAZARD INDICES ESTIMATES FOR INDUSTRIAL USE BLOCK H - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.10 / REV 0

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CHECKED BY L. SINAGOGA	DATE 03/23/11	CANCER RISK ESTIMATES FOR RESIDENTIAL USE BLOCK H - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.11 / REV 0

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DRAWN BY T. WHEATON	DATE 01/11/11	TETRA TECH	CONTRACT NUMBER — / OWNER NUMBER —
CHECKED BY L. SINAGOGA	DATE 03/23/11	HAZARD INDICES ESTIMATES FOR RESIDENTIAL USE BLOCK H - SATURATED SOIL LOCKHEED MARTIN MARTIN STATE AIRPORT MIDDLE RIVER, MARYLAND	APPROVED BY — / DATE —
COST/SCHEDULE-AREA			APPROVED BY — / DATE —
SCALE AS NOTED			FIGURE NO. FIGURE E-5.12 / REV 0

SB-059
[15-15] 2.8

SB-067
[15-15] 2.5
[20-20] 1.2 K
[25-25] 0.52 U

SB-062
[15-15] 0.71

SB-058
[15-15] 5.3 L
[20-20] 2.5 L

SB-057
[15-15] 0.66 L

SB-248
[15-15] 2 B

SB-791
[11-11] 3.9 L
[13-13] 2.8 L
[15-15] 8.2 L

SB-065
[15-15] 0.57 UL
[20-20] 0.57 U

SB-786
[11-11] 2.5
[13-13] 1.3
[15-15] 0.88 L

SB-782
[11-11] 3.9 J
[13-13] 4.6 J
[15-15] 2.6 J

SB-788
[11-11] 5.6
[13-13] 7.5
[15-15] 5.2

SB-783
[11-11] 2.1 J
[13-13] 2.4 J
[15-15] 4.3 J

SB-784
[11-11] 1.3 J
[13-13] 2.5 J
[15-15] 7.2 J

SB-789
[11-11] 2.8
[13-13] 6.8
[15-15] 4.5

SB-787
[11-11] 5 L
[13-13] 5.4 L
[15-15] 1.7 L

SB-796
[11-11] 1.3
[13-13] 0.43 J
[15-15] 7.3

SB-792
[11-11] 3.3 L
[13-13] 5 J
[15-15] 0.65 L

SB-793
[11-11] 4.6 J
[13-13] 2.7 J
[15-15] 2.1 J

SB-794
[11-11] 1.5 J
[13-13] 7 J
[15-15] 2.3 J

SB-795
[11-11] 2.3 J
[13-13] 4.2 J
[15-15] 3.2 J

SB-790
[11-11] 2.1
[13-13] 5
[15-15] 3.3

SB-785
[11-11] 3.2 L
[13-13] 3.1 L
[15-15] 3.8 L

FIGURE D-3A

ARSENIC IN DEEPER SOIL
BLOCK D

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

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SB-061
[5-5] 1.8
[10-10] 0.51 U

SB-060
[5-5] 1 K
[10-10] 2.4

SB-066
[5-5] 1.4
[10-10] 1.5

SB-059
[5-5] 3.9
[10-10] 2.5

SB-032
[5-5] 2.5 L

SB-064
[5-5] 0.79 K

SB-067
[5-5] 1.2 K
[10-10] 1.2 K

SB-063
[5-5] 1.2 K
[10-10] 0.65 U

SB-062
[5-5] 1.7
[10-10] 0.53 U

SB-058
[5-5] 2.3 L
[10-10] 4.1 L

SB-057
[5-5] 0.65 L
[10-10] 1.8 L

SB-031
[5-5] 0.59 UR

SB-247
[5-5] 4
[10-10] 0.8 U

SB-033
[5-5] 4.9 L

SB-248
[5-5] 6
[10-10] 8

SB-249
[5-5] 3 B
[10-10] 7

SB-065
[5-5] 2 L
[10-10] 0.58 UL

SB-786
[3-3] 3.9
[5-5] 7.7
[7-7] 14.3
[9-9] 3.6

SB-782
[3-3] 2.1 J
[5-5] 2.5 J
[7-7] 7.5 J
[9-9] 5 J

SB-787
[3-3] 4.6 L
[5-5] 5.3 L
[7-7] 6.6
[9-9] 6.8 L

SB-783
[3-3] 5 J
[5-5] 6.1 J
[7-7] 9.2 J
[9-9] 1.8 J

SB-788
[3-3] 1.9
[5-5] 5
[7-7] 2.8
[9-9] 4.8

SB-784
[3-3] 3 J
[5-5] 8 J
[7-7] 5.8 J
[9-9] 2.6 J

SB-785
[3-3] 4.6
[5-5] 5.8
[7-7] 3.2
[9-9] 3.6 L

SB-791
[3-3] 5.4 L
[5-5] 3.7 L
[7-7] 7.9 L
[9-9] 5 L

SB-796
[3-3] 3.4
[5-5] 9.4
[7-7] 3.1
[9-9] 4.3

SB-792
[3-3] 5.4 L
[5-5] 4.4 L
[7-7] 2.9 L
[9-9] 3.8 L

SB-793
[3-3] 5.6 L
[5-5] 3.6 L
[7-7] 4.1 L
[9-9] 3.6 J

SB-794
[3-3] 5.5 J
[5-5] 7 J
[7-7] 6.1 J
[9-9] 5.6 J

SB-795
[3-3] 5.8 J
[5-5] 3.9 J
[7-7] 5.7 J
[9-9] 4.4 J

SB-790
[3-3] 4.5
[5-5] 4.9
[7-7] 6.3
[9-9] 4.1

SB-789
[3-3] 3.1
[5-5] 5.5
[7-7] 8.8
[9-9] 4

FIGURE D-2A

ARSENIC IN SUBSURFACE SOIL
BLOCK D

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard $1x10^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 3.5 (Residential RGO, $1x10^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, $1x10^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

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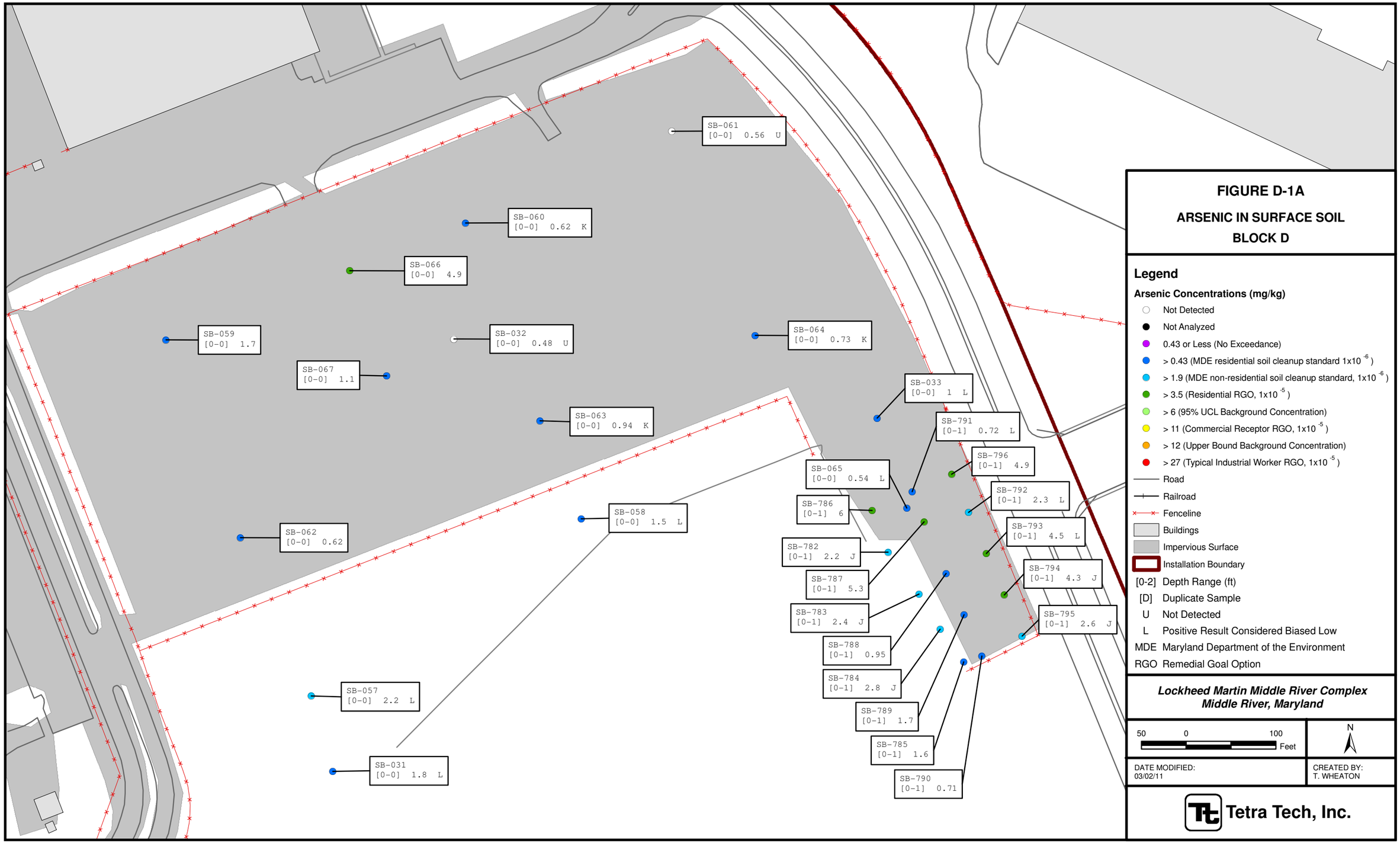


FIGURE D-1A

ARSENIC IN SURFACE SOIL
BLOCK D

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- L Positive Result Considered Biased Low
- MDE Maryland Department of the Environment
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

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SB-003
[5-5] 1.5 L
[10-10] 1.6 L

SB-003A

SB-512
[4-6] 0.59 J
[8-10] 0.76 J
[8-10] 1.4 L [D]

SB-510
[4-6] 0.26 J
[8-10] 0.36 J
[8-10] 0.26 J [D]

SB-002
[5-5] 2.1 L
[10-10] 0.87 L

SB-002A

SB-514
[4-6] 0.39 J
[8-10] 1.3 J
[8-10] 0.42 L [D]

SB-511
[4-6] 0.58 J
[8-10] 0.35 J

SB-509
[4-6] 1.7 J
[8-10] 2.5 J

SB-001
[5-5] 5.5 L
[10-10] 1.8 L

SB-001A

SB-508
[4-6] 1.4
[4-6] 1 L [D]
[8-10] 0.42 L

SB-006A

SB-006
[5-5] 0.77 L
[10-10] 2 L

SB-513
[4-6] 2.3 J
[8-10] 0.46 J

SB-500
[4-6] 0.31 L
[8-10] 0.73 L

SB-518
[4-6] 2.2 L
[8-10] 0.43 L

SB-005
[5-5] 1.4 L
[10-10] 1.1 L

SB-005A

SB-036
[5-5] 1.3

SB-507
[4-6] 2.3
[8-10] 1.1 L

SB-515
[4-6] 0.62 L
[8-10] 0.22 L

SB-035
[4-4] 1.6

SB-501
[4-6] 1.1 L
[8-10] 0.94 L

SB-004A

SB-004
[5-5] 4.9 L
[10-10] 2.4 L

SB-519
[4-6] 0.61 L
[8-10] 1.2 L

SB-502
[4-6] 1.3 L
[8-10] 0.55 L

SB-503
[4-6] 0.42 L
[10-12] 1.7

SB-833
[9-9] 0.61 J

SB-516

SB-505
[4-6] 1.2 L
[8-10] 1.7

SB-506
[4-6] 1.6
[8-10] 1 L

SB-517
[4-6] 0.55 L
[8-10] 0.75 L

SB-520
[4-6] 1.2 L
[8-10] 1.3 L

SB-504
[4-6] 2
[8-10] 1.2 L

FIGURE E-2A

ARSENIC IN SUBSURFACE SOIL
BLOCK E

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- L Positive Result Considered Biased Low
- MDE Maryland Department of the Environment
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

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SB-003
SB-003A
[0-0] 1.5
SB-512
[0-1] 1.5 J
SB-510
[0-1] 9.6 J
SB-002
SB-002A
[1-1] 0.98
SB-511
[0-1] 0.52 J
SB-514
[0-1] 1.5 J
SB-001
SB-001A
[0-0] 1.1
SB-513
[0-1] 1.7 J
SB-006A
[0-0] 1.7
SB-006
SB-509
[0-1] 1.5 J
SB-508
[0-1] 2.5
SB-518
[0-1] 2.2 L
SB-005A
[0-0] 1.1
SB-005
SB-500
[0-1] 1.3 L
SB-507
[0-1] 2.1
SB-036
[0-0] 1.2
SB-515
[0-1] 0.99 J
SB-035
[0-0] 0.92
SB-501
[0-1] 3.4 L
SB-004A
[0-0] 1.5
SB-004
SB-502
[0-1] 1.8 L
SB-519
[0-1] 1.6 L
SB-503
[0-1] 2.6 L
[0-1] 2.3 [D]
SB-833
SB-516
[0-1] 0.94 L
SB-505
[0-1] 3.5
SB-506
[0-1] 1.8
[0-1] 1.7 [D]
SB-504
[0-1] 0.53 L
SB-517
[0-1] 1.1 L
SB-520
[0-1] 0.82 L

FIGURE E-1A

ARSENIC IN SURFACE SOIL
BLOCK E

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

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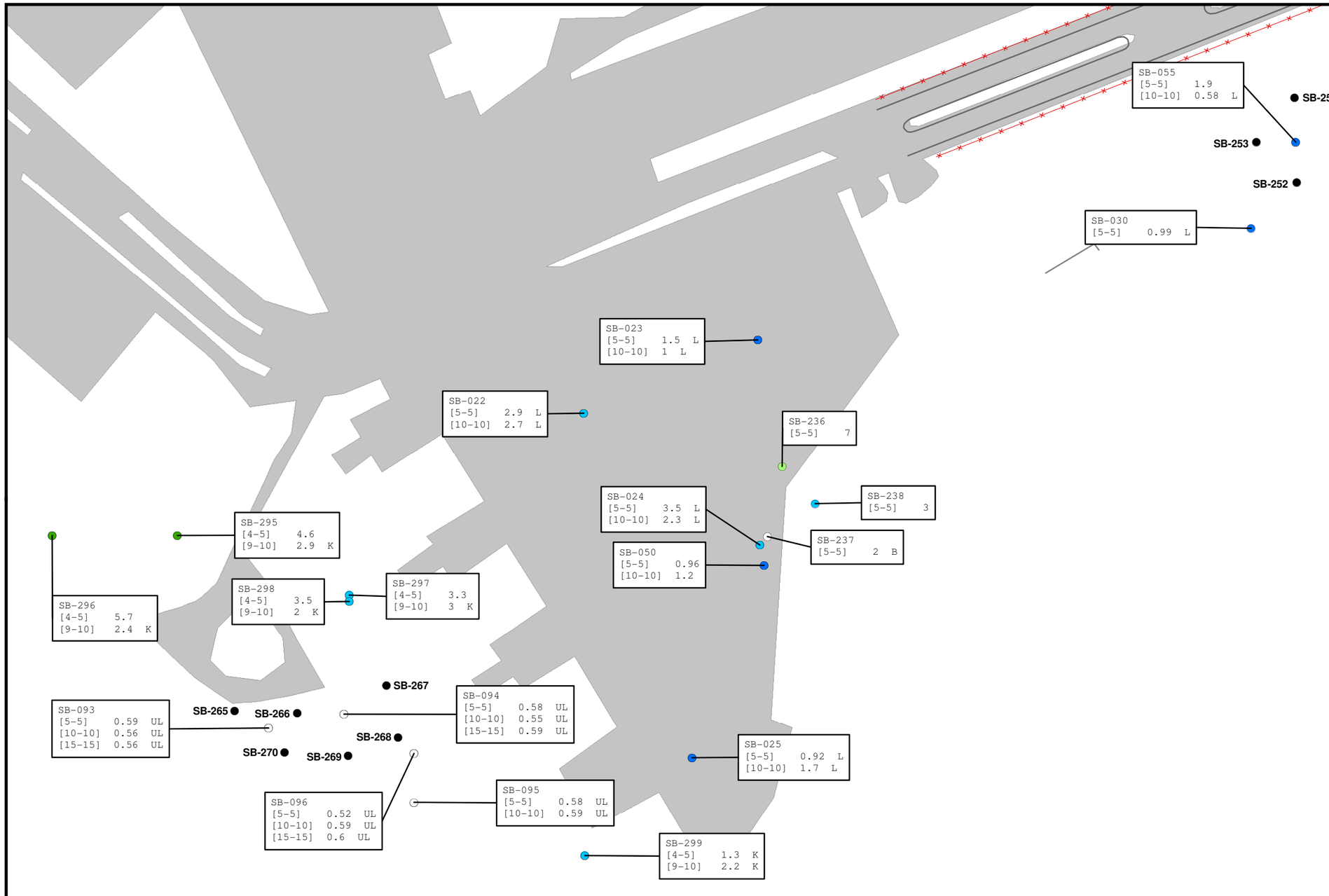


FIGURE F-2A

ARSENIC IN SUBSURFACE SOIL
BLOCK F

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
K Positive Result Considered Biased High
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

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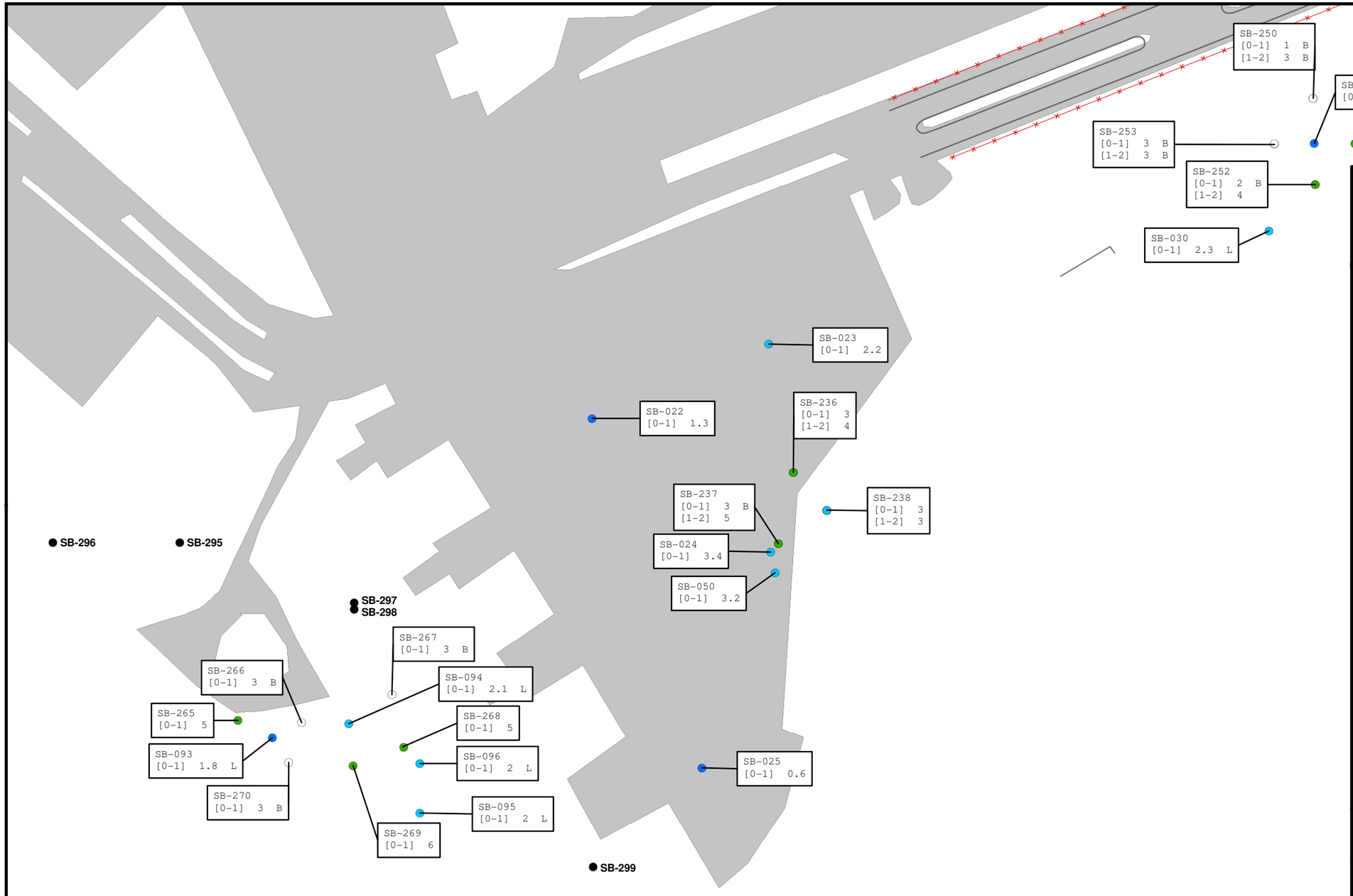


FIGURE F-1A

ARSENIC IN SURFACE SOIL

BLOCK F

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

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SB-199
[5-5] 3 B
[10-10] 2 B

SB-198
[5-5] 5 B
[10-10] 6

SB-197
[5-5] 5
[10-10] 5

SB-196
[5-5] 2 B
[10-10] 1 B

SB-195
[5-5] 4
[10-10] 5

SB-194
[5-5] 5
[10-10] 1 B

SB-496

SB-092
[3-3] 2.1
[4-4] 4.1
[4-4] 1.4
[5-5] 3.2
[6-6] 6.9
[7-7] 8.5
[7-7] 5.3 [D]
[8-8] 1.6
[9-9] 8.3
[10-10] 3.2
[11-11] 3.4
[12-12] 2.1
[13-13] 3.7
[14-14] 4.1
[15-15] 5.6

OW-4
[26-26] 0.32 L
[30-30] 0.19 L

OW-5
[4-4] 2.1 L
[6-6] 1.8 L

SB-495

SB-494
SB-461
SB-458
SB-457
SB-459
SB-460

SB-091
[5-5] 2.4

SB-081
[5-5] 2.5

OW-6
[20-20] 1.1 L
[30-30] 0.24 L

SB-082
[5-5] 1.2

SB-083
[5-5] 1.9

SB-085
[5-5] 2.2
[10-10] 0.53 U
[12-12] 0.98

SB-084
[5-5] 3.4

SB-086
[5-5] 0.7
[10-10] 0.61
[12-12] 0.51 U

FIGURE G-2A

ARSENIC IN SUBSURFACE SOIL
BLOCK G

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard $1x10^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 3.5 (Residential RGO, $1x10^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, $1x10^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

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SB-198
[0-1] 2 B

SB-199
[0-1] 3 B

SB-197
[0-1] 5

SB-196
[0-1] 1 B

SB-195
[0-1] 2 B

SB-194
[0-1] 2 B

SB-461
[0-0] 0.8 L
[1-2] 2.5 L

SB-458
[0-0] 2.3
[1-2] 2.4

SB-496
[0-0] 1.2 L
[1-2] 1.1 L

SB-092
[0-0] 37
[1-1] 5.4
[2-2] 3.3

SB-494
[0-0] 1.3 L
[1-2] 1.6 L

SB-495
[0-0] 0.92 L
[1-2] 0.92 L

OW-4
OW-6
OW-5

SB-459
[0-0] 0.91 L
[1-2] 1.8 L

SB-457
[0-0] 1.4
[1-2] 1.6

SB-091
[0-0] 2.1

SB-081
[0-0] 3.6

SB-460
[0-0] 0.99 L
[1-2] 1.9 L

SB-082
[0-0] 2

SB-083
[0-0] 0.93

SB-084
[0-0] 2.7

SB-085
[0-0] 3

SB-086
[0-0] 3.2

FIGURE G-1A

ARSENIC IN SURFACE SOIL
BLOCK G

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

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SB-294
[4-5] 2.4
[9-10] 3.4

SB-293
[4-5] 2.7
[9-10] 1.7

SB-282
[4-5] 3.5
[9-10] 5.2

SB-203
[5-5] 3
[10-10] 4

SB-202
[5-5] 4
[10-10] 2

SB-284
[4-5] 5.3 B
[9-10] 1.9 B

SB-283
[4-5] 1.6 B
[9-10] 7.4

SB-285
[4-5] 4.9 B
[9-10] 5.2 B

SB-201
[5-5] 3
[10-10] 1

SB-200
[5-5] 5
[10-10] 4

SB-286
[4-5] 0.54 B
[9-10] 0.77 B

FIGURE H-2A

ARSENIC IN SUBSURFACE SOIL
BLOCK H

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- L Positive Result Considered Biased Low
- B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
- MDE Maryland Department of the Environment
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

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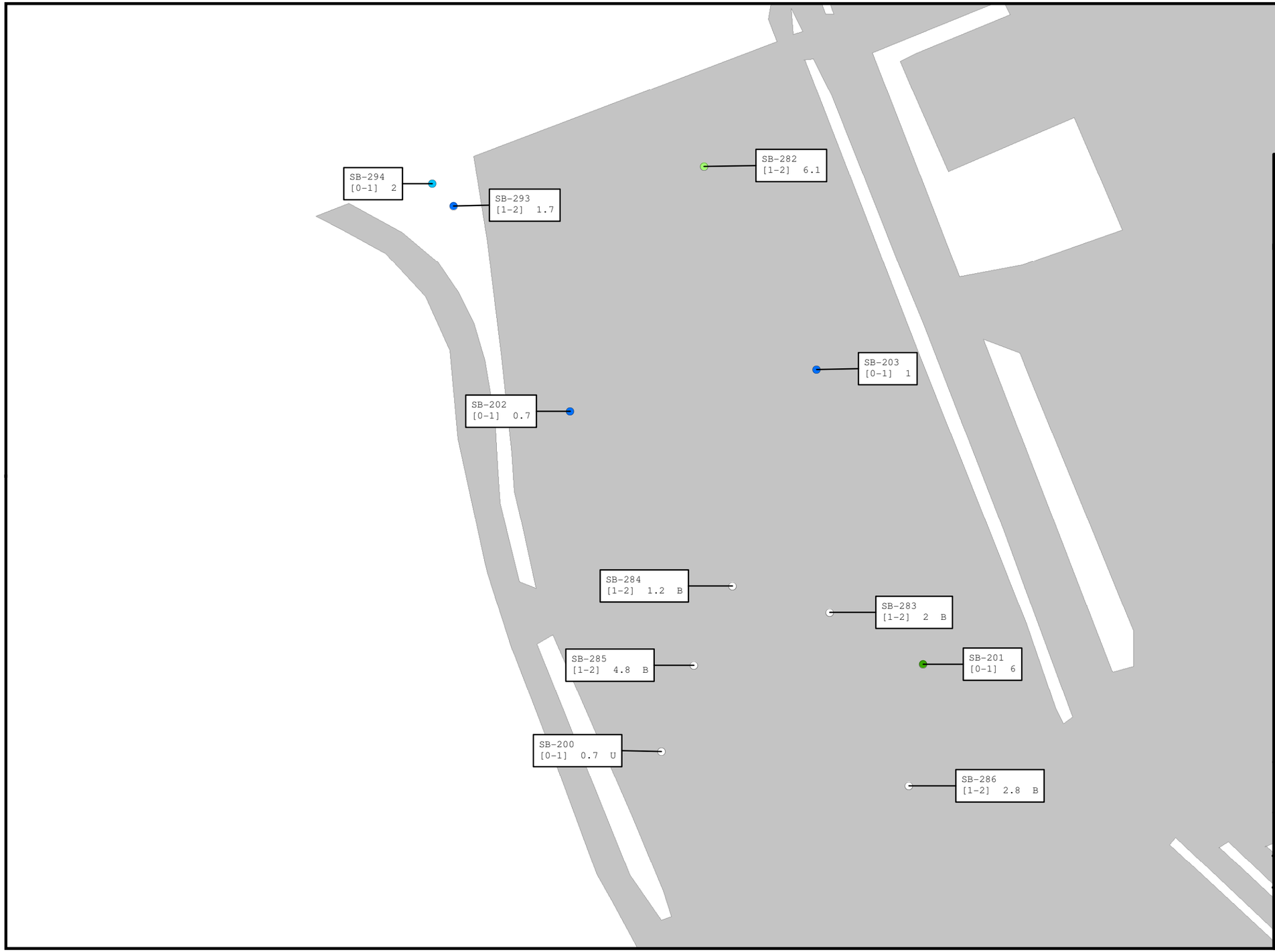


FIGURE H-1A

ARSENIC IN SURFACE SOIL
BLOCK H

Legend

Arsenic Concentrations (mg/kg)

- Not Detected
- Not Analyzed
- 0.43 or Less (No Exceedance)
- > 0.43 (MDE residential soil cleanup standard 1x10 $^{-6}$)
- > 1.9 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3.5 (Residential RGO, 1x10 $^{-5}$)
- > 6 (95% UCL Background Concentration)
- > 11 (Commercial Receptor RGO, 1x10 $^{-5}$)
- > 12 (Upper Bound Background Concentration)
- > 27 (Typical Industrial Worker RGO, 1x10 $^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
L Positive Result Considered Biased Low
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

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SB-778
[11-11] 4 U
[13-13] 6217
[15-15] 13.2

SB-061
[11-11] 19.8 [RE]
[12-12] 1.5 U [RE]
[13-13] 181 [RE]
[14-14] 577 [RE]
[15-15] 1.5 U [RE]

SB-061A
[11-11] 168
[13-13] 1.5 U
[15-15] 1.5 U

SB-242

SB-061B
[11-11] 154
[13-13] 1078
[15-15] 15.1

SB-061D
[11-11] 1.5 U
[13-13] 429
[15-15] 45.7

SB-061C
[11-11] 1.5 U
[13-13] 8.2
[15-15] 1.5 U

SB-779
[11-11] 4.2 U
[13-13] 43.1
[15-15] 3.9 U

SB-060
[11-11] 1.5 U [RE]
[12-12] 1.5 U [RE]
[13-13] 25.6 [RE]
[14-14] 1.5 U [RE]
[15-15] 1.5 U [RE]

SB-060A
SB-060D
SB-060B
SB-060C

SB-772
[11-11] 27.6
[13-13] 77.7
[15-15] 1341

SB-066
[11-11] 43 [RE]
[12-12] 44.7 [RE]
[15-15] 41.8 [RE]

SB-066A
SB-066D
SB-066B
SB-066C

SB-335
SB-334
SB-331
SB-330
SB-328
SB-329
SB-327
SB-332
SB-333

SB-776
[11-11] 88.1
[13-13] 96.8
[15-15] 3.9 U

SB-780
[11-11] 3.8 U
[13-13] 198
[15-15] 24

SB-766
[11-11] 710
[13-13] 121
[15-15] 4.4 U

SB-240A
[11-11] 1.5 U
[13-13] 1.6 U
[15-15] 19.9

SB-775
[11-11] 113
[13-13] 173
[15-15] 4.2 U

SB-241
SB-323
SB-324
SB-322
SB-321
SB-319
SB-320
SB-318
SB-325
SB-326

SB-767
[11-11] 4.1 U
[13-13] 251
[15-15] 4 U

SB-032

SB-240D
[11-11] 284
[11-11] 33 [D]
[13-13] 622
[15-15] 1.6 U

SB-240B
[11-11] 1.7 U
[13-13] 2 U

SB-243A
SB-243D
SB-243B
SB-243C

SB-064

SB-781
[11-11] 3.7 U
[13-13] 129
[15-15] 3.9 U

SB-059
[15-15] 876

SB-240C
[11-11] 1.6 U
[13-13] 57.1
[15-15] 1.9 U

SB-243
[11-11] 1.6 U [RE]
[12-12] 1.6 U [RE]
[13-13] 90.9 [RE]
[14-14] 1.6 U [RE]
[15-15] 1.6 U [RE]

SB-240
[11-11] 198 [RE]
[12-12] 41.6 [RE]
[13-13] 337 [RE]
[14-14] 24.4 [RE]
[15-15] 20.9 [RE]

SB-067
[15-15] 410 U
[20-20] 431
[25-25] 410 U

SB-063
[11-11] 1.6 U [RE]
[12-12] 1.5 U [RE]
[13-13] 124 [RE]
[14-14] 1.6 U [RE]
[15-15] 1.5 U [RE]

SB-063A
SB-063D
SB-063B
SB-063C

SB-342
SB-341
SB-033
SB-337
SB-336
SB-344
SB-343
SB-340
SB-339
SB-338

SB-791
[11-11] 3.8 U
[13-13] 3.9 U
[15-15] 4.1 U

SB-770
[13-13] 1871
[15-15] 298

SB-768
[11-11] 3.9 U
[13-13] 360
[15-15] 4 U

SB-239
[11-11] 185
[12-12] 121

SB-773
[11-11] 4.1 U
[13-13] 4.1 U
[15-15] 40.9

D-TP-2

SB-777
[11-11] 19.7
[13-13] 269
[15-15] 3.9 U

SB-065
[11-11] 1.5 U [RE]
[12-12] 1.5 U [RE]
[13-13] 1.6 U [RE]
[14-14] 1.5 U [RE]
[15-15] 1.6 U [RE]
[20-20] 390 U

SB-787
[11-11] 3.8 U
[13-13] 3.9 U
[15-15] 3.7 U

SB-796
[11-11] 3.8 U
[13-13] 4 U
[15-15] 3.8 U

SB-058A
[12-12] 51.1
[14-14] 1.5 U

SB-058B
[12-12] 2.1 U
[14-14] 498

SB-062A
[11-11] 147
[11-11] 100 [D]
[13-13] 89.7
[15-15] 9.8

SB-592A
SB-592
SB-592D
SB-592B
SB-595
SB-593
SB-594

SB-058D
[12-12] 48.9
[14-14] 49.4

SB-058C
[12-12] 43.3
[14-14] 263

SB-058
[11-11] 4.4 [RE]
[12-12] 1433 [RE]
[13-13] 37 [RE]
[14-14] 1.6 U [RE]
[15-15] 1.6 U [RE]
[20-20] 440 U

SB-786
[11-11] 3.8 U
[13-13] 4 U
[15-15] 3.7 U

SB-792
[11-11] 3.8 U
[13-13] 4.1 U
[15-15] 3.8 U

SB-062D
[11-11] 1.5 U
[13-13] 1.5 U
[15-15] 1.5 U

SB-062B
[11-11] 1.5 U
[13-13] 1.5 U
[15-15] 1.5 U

SB-782
[11-11] 3.8 U
[13-13] 1.3
[15-15] 3.8 U

SB-794
[11-11] 3.9 U
[13-13] 4 U
[15-15] 3.9 U

SB-793
[11-11] 3.9 U
[13-13] 3.9 U
[15-15] 4 U

SB-769
[11-11] 4 U
[13-13] 44.1
[15-15] 4 U

D-TP-1

SB-062C
[11-11] 1.5 U
[13-13] 100
[15-15] 1.5 U

SB-062
[11-11] 1.5 U [RE]
[12-12] 1.7 U [RE]
[13-13] 2212 [RE]
[14-14] 72.7 [RE]
[15-15] 479 [RE]

SB-774
[11-11] 96.5
[13-13] 888
[15-15] 499
[15-15] 399 [D]

SB-783
[11-11] 3.9 U
[13-13] 4 U
[15-15] 4 U

SB-788
[11-11] 4 U
[13-13] 4.1 U
[15-15] 3.8 U

SB-784
[11-11] 3.9 U
[13-13] 3.8 U
[15-15] 4.1 U

SB-789
[11-11] 3.9 U
[13-13] 4 U
[15-15] 3.8 U

SB-785
[11-11] 3.9 U
[13-13] 15.8
[15-15] 3.9 U

SB-790
[11-11] 4.1 U
[13-13] 4 U
[15-15] 3.8 U

SB-795
[11-11] 3.9 U
[13-13] 4 U
[15-15] 4 U

SB-771
[11-11] 4 U
[13-13] 4.1 U
[15-15] 4 U

SB-057
[11-11] 1.6 U [RE]
[12-12] 1.6 U [RE]
[13-13] 1.6 U [RE]
[14-14] 1.6 U [RE]
[15-15] 1.6 U [RE]

SB-031

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

FIGURE D-3

BAP EQUIVALENTS IN DEEPER SOIL BLOCK D

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)

Road
Railroad
Fenceline
Buildings
Impervious Surface
Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

30 0 60 Feet

N

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SB-778
[3-3] 3.8 U
[5-5] 133
[7-7] 25
[9-9] 29.6

SB-061
[3-3] 1.3 [RE]
[4-4] 1.6 [RE]
[5-5] 101 [RE]
[6-6] 1.6 U [RE]
[7-7] 1.5 U [RE]
[8-8] 1.6 U [RE]
[9-9] 1.5 U [RE]
[10-10] 346 [RE]

SB-061A
[3-3] 1.5 U
[3-3] 1.6 U [D]
[5-5] 1.5 U
[7-7] 1.5 U
[9-9] 47.3

SB-242

SB-060A
[3-3] 361
[3-3] 1343 [D]
[5-5] 18.9
[7-7] 1.5 U

SB-061D
[3-3] 1.6 U
[5-5] 9.5
[7-7] 1.5 U
[9-9] 30.4

SB-061B
[3-3] 1.5 U
[5-5] 1.5 U
[7-7] 1.5 U
[9-9] 256

SB-060C
[3-3] 1.6 U
[5-5] 12.8
[7-7] 1.5 U

SB-060
[3-3] 1.8 [RE]
[4-4] 26.5 [RE]
[5-5] 2034 [RE]
[6-6] 1.6 U [RE]
[7-7] 1.7 U [RE]
[8-8] 1.7 U [RE]
[8-8] 1.6 U [D][RE]
[9-9] 1.5 U [RE]
[10-10] 1.5 U [RE]

SB-060B
[3-3] 1.5 U
[5-5] 44
[7-7] 31.9

SB-335
[2-3] 20
[5-6] 13
[8-9] 400 U

SB-061C
[3-3] 1.5 U
[5-5] 13.2
[7-7] 1.5 U
[9-9] 656

SB-779
[3-3] 4 U
[5-5] 72.1
[7-7] 3.8 U
[9-9] 4 U

SB-066
[3-3] 1.5 U [RE]
[4-4] 1.5 U [RE]
[5-5] 46.1 [RE]
[6-6] 44.6 [RE]
[7-7] 1.6 U [RE]
[8-8] 1.5 U [RE]
[8-8] 1.6 U [D][RE]
[10-10] 400 U

SB-060D
[3-3] 203
[5-5] 42.3
[7-7] 1.6 U
[7-7] 1.5 U [D]

SB-334
[2-3] 88
[5-6] 64
[8-9] 30

SB-329
[2-3] 27
[5-6] 410 U
[8-9] 390 U

SB-776
[3-3] 58.8
[5-5] 21.7
[7-7] 3.9 U
[9-9] 70.1
[9-9] 4 U [D]

SB-766
[3-3] 3.6 U
[5-5] 95.6
[7-7] 3.7 U
[9-9] 472

SB-323
[2-3] 1.5 U
[5-6] 1.5 U
[8-9] 1.6 U

SB-320
[2-3] 1.5 U
[5-6] 1.5 U
[8-9] 1.5 U

SB-066A
[4-4] 1.5 U

SB-331
[2-3] 20
[5-6] 390 U
[8-9] 400 U

SB-328
[2-3] 170
[5-6] 400 U
[8-9] 35

SB-780
[3-3] 3.7 U
[5-5] 13.3
[7-7] 3.9 U
[9-9] 121

SB-066D
[3-3] 62.2
[4-4] 1.5 U
[4-4] 15.2 [D]

SB-066B
[4-4] 1.7

SB-066C
[4-4] 1.5 U

SB-324
[2-3] 1.5 U
[5-6] 1.5 U
[8-9] 1.5 U

SB-321
[2-3] 940
[5-6] 1.5 U
[8-9] 1.5 U

SB-330
[2-3] 110
[5-6] 110
[8-9] 380 U

SB-332
[2-3] 38
[5-6] 410 U
[8-9] 64

SB-327
[2-3] 130
[5-6] 380 U
[8-9] 390 U

SB-243
[3-3] 60.9 [RE]
[4-4] 20.7 [RE]
[5-5] 19.6 [RE]
[6-6] 31.4 [RE]
[7-7] 14.4 [RE]
[8-8] 1.6 U [RE]
[8-8] 2.3 [D] [RE]
[9-9] 1.7 U [RE]
[10-10] 1.6 U [RE]

SB-064
[5-5] 410 U

SB-319
[2-3] 15
[5-6] 1.5 U
[8-9] 1.5 U

SB-241

SB-322
[2-3] 13
[5-6] 1.5 U
[8-9] 1.5 U

SB-333
[2-3] 410 U
[5-6] 380 U
[8-9] 380 U

SB-240
[3-3] 203 [RE]
[4-4] 135 [RE]
[6-6] 187 [RE]
[7-7] 5503 [RE]
[8-8] 0.99 [RE]
[8-8] 27.6 [D] [RE]
[10-10] 112 [RE]

SB-240A
[3-3] 46
[5-5] 326
[7-7] 2.9
[7-7] 14.5 [D]
[9-9] 1.8

SB-032
[5-5] 216

SB-243A
[4-4] 85.9

SB-341
[2-3] 23
[5-6] 25
[8-9] 38

SB-340
[2-3] 110
[5-6] 30
[8-9] 1.7 U

SB-318
[2-3] 1.5 U
[5-6] 1.5 U
[8-9] 1.5 U

SB-326
[2-3] 25
[5-6] 1.5 U
[8-9] 110

SB-240D
[3-3] 48.8
[5-5] 5759
[7-7] 13.2
[9-9] 809

SB-240B
[3-3] 37.1
[5-5] 0.79
[7-7] 1.6 U
[9-9] 1.5 U

SB-775
[3-3] 3.9 U
[5-5] 274
[7-7] 25.6
[9-9] 3.9 U

SB-243D
[4-4] 24.8
[4-4] 16.8 [D]

SB-243B
[4-4] 0.86

SB-781
[3-3] 4 U
[5-5] 808
[7-7] 4 U
[9-9] 3.8 U

SB-342
[2-3] 78
[5-6] 17
[8-9] 2.1 U

SB-343
[2-3] 11
[5-6] 1.7 U
[8-9] 1.6 U

SB-059
[5-5] 799
[10-10] 773

SB-325
[2-3] 72
[5-6] 1.5 U
[8-9] 1.5 U

SB-770
[3-3] 667
[5-5] 4 U
[7-7] 148
[9-9] 4 U

SB-772
[3-3] 3.9 U
[5-5] 4 U
[7-7] 20.1
[9-9] 92.8

SB-240C
[3-3] 108
[3-3] 25.9 [D]
[5-5] 4899
[7-7] 1.5 U
[9-9] 16.3

SB-067
[5-5] 490 U
[10-10] 410 U

SB-063A
[4-4] 10.5
[6-6] 1.5 U

SB-063
[3-3] 379 [RE]
[4-4] 157 [RE]
[5-5] 149
[5-5] 8.4 [RE]
[6-6] 1.7 U [RE]
[7-7] 39.7 [RE]
[8-8] 20 [RE]
[9-9] 1.7 U [RE]
[10-10] 1.7 U [RE]

SB-243C
[4-4] 1.7 U

SB-033
[5-5] 696

SB-344
[2-3] 1.6 U
[5-6] 1.6 U
[8-9] 1.8 U

SB-337
[2-3] 13
[5-6] 700
[8-9] 4200 U

SB-339
[2-3] 14
[5-6] 1.6 U
[8-9] 1.5 U

SB-767
[3-3] 3.8 U
[5-5] 3.9 U
[7-7] 4.4 U
[9-9] 3.9 U

SB-592D
[4-4] 51.6
[6-6] 510
[8-8] 208

SB-592A
[4-4] 14.6
[6-6] 623
[8-8] 239

SB-063D
[4-4] 1.6 U
[6-6] 1.5 U

SB-063C
[4-4] 45.5
[6-6] 1.5 U

SB-063B
[4-4] 1.6 U
[6-6] 1.6 U

SB-777
[3-3] 1013
[5-5] 171
[7-7] 4873
[9-9] 197

SB-336
[2-3] 380 U
[5-6] 420 U
[8-9] 24

SB-796
[3-3] 72.8
[5-5] 4.5 U
[7-7] 3.9 U
[9-9] 3.8 U

SB-768
[3-3] 3.8 U
[5-5] 84.6
[7-7] 4 U
[9-9] 3.9 U

SB-592
[3-3] 851
[4-4] 931
[5-5] 693
[6-6] 113
[9-9] 4.4
[10-10] 5.8
[10-10] 27.8 [D]

SB-773
[3-3] 36
[5-5] 3.9 U
[5-5] 4.1 U [D]
[9-9] 0.99

SB-058A
[4-4] 15
[6-6] 121
[8-8] 29
[10-10] 26.4

D-TP-2
[6-7]3 680
[6-7]5 4.1 U
[8-10]1 503
[8-10]4 3.8 U

SB-791
[3-3] 58.2
[5-5] 4.2 U
[7-7] 3.9 U
[9-9] 3.8 U

SB-338
[2-3] 40
[5-6] 50
[8-9] 400 U

SB-065
[3-3] 14.3 [RE]
[5-5] 1.6 U [RE]
[5-5] 1.6 U [D][RE]
[6-6] 1.5 U [RE]
[7-7] 1.5 U [RE]
[8-8] 1.5 U [RE]
[9-9] 1.6 U [RE]
[10-10] 1.5 U [RE]

SB-595
[3-3] 18.8

SB-062A
[3-3] 60.5
[5-5] 4212
[7-7] 239
[9-9] 4863

SB-058B
[4-4] 39.8
[4-4] 18.3 [D]
[6-6] 84.8
[8-8] 0.9
[10-10] 14.6

SB-786
[3-3] 161
[5-5] 50
[7-7] 58.2
[9-9] 3.9 U

SB-592B
[4-4] 185
[6-6] 193
[6-6] 438 [D]
[8-8] 25.1

SB-058D
[4-4] 91.9
[6-6] 475
[8-8] 37.2
[10-10] 15.8

SB-787
[3-3] 772
[5-5] 4.2 U
[7-7] 4 U
[9-9] 3.9 U

SB-792
[3-3] 0.8
[5-5] 4 U
[7-7] 3.9 U
[9-9] 3.9 U

SB-062D
[5-5] 57.3
[7-7] 9.9
[9-9] 1.5 U

SB-769
[3-3] 4 U
[5-5] 3.9 U
[7-7] 3.9 U
[9-9] 4.1 U

SB-593
[3-3] 86.6

SB-058
[3-3] 1.6 U [RE]
[4-4] 1.5 U [RE]
[5-5] 100
[5-5] 1.5 U [RE]
[6-6] 1.5 U [RE]
[7-7] 157 [RE]
[8-8] 1.6 U [RE]
[8-8] 10.7 [D][RE]
[9-9] 437 [RE]
[10-10] 40.7 [RE]

SB-058C
[4-4] 24.2
[6-6] 42.8
[8-8] 3.2
[10-10] 15.7

SB-782
[3-3] 59.7
[5-5] 4 U
[7-7] 4 U
[9-9] 4 U

SB-793
[3-3] 20.6
[5-5] 4.1 U
[7-7] 4 U
[9-9] 3.9 U

D-TP-1
[4-6]1 3.8 U
[4-6]4 69.6
[4-6]5 3.7 U
[8-10]2 3.9 U
[8-10]3 64.8
[8-10]6 177

SB-239
[3-3] 1.7
[4-4] 26.2
[5-5] 22.9
[6-6] 208
[7-7] 417
[8-8] 367
[9-9] 1801
[10-10] 21.2

SB-594
[3-3] 83.1

SB-774
[3-3] 24437
[5-5] 192
[7-7] 566
[9-9] 169

SB-062B
[3-3] 61.5
[5-5] 282
[7-7] 434
[7-7] 94.8 [D]
[9-9] 1.5 U

SB-788
[3-3] 51.1
[5-5] 4.1 U
[7-7] 4.1 U
[9-9] 4 U

SB-794
[3-3] 135
[5-5] 4.1 U
[7-7] 4.1 U
[9-9] 3.8 U

SB-062
[3-3] 43.3 [RE]
[4-4] 68.7 [RE]
[5-5] 152 [RE]
[6-6] 213 [RE]
[7-7] 76.4 [RE]
[8-8] 64.8 [RE]
[9-9] 1346 [RE]
[10-10] 1.5 U [RE]

SB-062C
[3-3] 174
[5-5] 45.1
[7-7] 121
[9-9] 1.5 U

SB-771
[3-3] 131
[5-5] 223
[7-7] 10.9
[9-9] 4 U

SB-783
[3-3] 3.7 U
[5-5] 4.1 U
[7-7] 3.9 U
[9-9] 3.9 U

SB-057
[3-3] 1.4 U [RE]
[4-4] 1.6 U [RE]
[5-5] 1.6 U [RE]
[6-6] 1.6 U [RE]
[7-7] 1.6 U [RE]
[8-8] 1.6 U [RE]
[9-9] 1.6 U [RE]
[10-10] 1.7 U [RE]

SB-784
[3-3] 3.9 U
[5-5] 4.1 U
[7-7] 3.9 U
[9-9] 3.8 U

SB-789
[3-3] 15.1
[5-5] 4 U
[7-7] 4.1 U
[9-9] 3.9 U

SB-795
[3-3] 17
[5-5] 1.9
[7-7] 4.1 U
[9-9] 3.9 U

SB-785
[3-3] 38.6
[5-5] 4 U
[7-7] 12.2
[9-9] 4 U

SB-790
[3-3] 224
[5-5] 1345
[7-7] 70.7
[9-9] 4.2 U

SB-031
[5-5] 400 U

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

FIGURE D-2

BAP EQUIVALENTS IN SUBSURFACE SOIL BLOCK D

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

30 0 60 Feet

N

DATE MODIFIED: 03/01/11

CREATED BY: T. WHEATON

Tetra Tech, Inc.

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FIGURE D-1

BAP EQUIVALENTS IN SURFACE SOIL BLOCK D

SB-241 [0.5-0.5] 89.1 [1-1] 77.1 [1.5-1.5] 135
SB-766 [0-1] 3.6 U
SB-066 [0-0] 0.64 [1-1] 51.9 [RE] [2-2] 1461 [RE]
SB-066A [2-2] 16.6
SB-066D [2-2] 1.5 U
SB-772 [0-1] 43.2
SB-066B [2-2] 0.94
SB-066C [2-2] 37.3
SB-240A [1-1] 372
SB-240B [1-1] 13461
SB-240C [1-1] 43.3
SB-240D [1-1] 44
SB-770 [0-1] 16
SB-240 [0.5-0.5] 72.3 [1-1] 82.5 [1.5-1.5] 175 [1-1] 2378 [RE] [2-2] 1.5 U [RE]
SB-767 [0-1] 29
SB-059 [0-0] 3500 U
SB-592D [2-2] 52.1
SB-595 [2-2] 84.6
SB-062A [1-1] 44.1
SB-062D [1-1] 16660
SB-768 [0-1] 75.9
SB-769 [0-1] 37.2
SB-062 [0-0] 7569 [1-1] 6410 [RE] [2-2] 1065 [RE]
SB-062C [1-1] 2578
SB-062B [1-1] 546
SB-592A [2-2] 0.052
SB-592 [2-2] 35.9
SB-592B [2-2] 30.7
SB-593 [2-2] 31.7
SB-239 [0.5-0.5] 130 [1-1] 340 [1.5-1.5] 537 [2-2] 297 [2-2] 18 [D]
SB-594 [2-2] 92.3
SB-067 [0-0] 9391
SB-771 [0-1] 11308
SB-057 [0-0] 0.06 [1-1] 19.6 [RE] [2-2] 1.5 U [RE] [2-2] 1.5 U [D][RE]
SB-031 [0-0] 370 U
SB-060D [1-1] 9774
SB-060A [1-1] 17997
SB-060 [0-0] 43.7 [1-1] 22517 [RE] [2-2] 45.3 [RE]
SB-060B [1-1] 22.9
SB-060C [1-1] 646
SB-063A [2-2] 16.6
SB-063D [2-2] 1.6 U
SB-063C [2-2] 0.98
SB-773 [0-1] 3.9 U
SB-058A [2-2] 33.2 [2-2] 209 [D]
SB-058D [2-2] 131
SB-774 [0-1] 11379
SB-032 [0-0] 3700 U
SB-775 [0-1] 4 U
SB-243D [2-2] 15.2
SB-243C [2-2] 13.6
SB-063B [2-2] 1.5 U
SB-058B [2-2] 3019
SB-058 [1-1] 714 [RE] [2-2] 8591 [RE]
SB-058C [2-2] 6424
SB-243A [2-2] 134
SB-061D [1-1] 81.5
SB-242 [0.5-0.5] 100 [1-1] 61.9 [1.5-1.5] 161 U
SB-061A [1-1] 153
SB-061C [1-1] 386
SB-776 [0-1] 4 U
SB-243 [0.5-0.5] 84.8 [1-1] 163 [1.5-1.5] 90.9 [1-1] 3300 [RE] [2-2] 19.6 [RE]
SB-243B [2-2] 1.6 U
SB-777 [0-1] 452
SB-063 [0-0] 0.53 [1-1] 138 [RE] [2-2] 106 [RE] [2-2] 26.4 [D][RE]
SB-778 [0-1] 3.8 U
SB-061 [1-1] 16.5 [RE] [2-2] 1.6 U [RE] [2-2] 10.1 [D][RE]
SB-061B [1-1] 22.2
SB-779 [0-1] 0.9
SB-780 [0-1] 4 U
SB-781 [0-1] 8311
SB-064 [0-0] 2007
SB-065 [1-1] 1.4 U [RE] [2-2] 17.8 [RE]
SB-786 [0-1] 574
SB-782 [0-1] 130
SB-783 [0-1] 216
SB-784 [0-1] 38.6
SB-789 [0-1] 20.3
SB-785 [0-1] 3.6 U
SB-790 [0-1] 16.4
SB-033 [0-0] 3600 U
SB-791 [0-1] 3.5 U
SB-787 [0-1] 72.4
SB-796 [0-1] 77.3
SB-792 [0-1] 0.0072
SB-793 [0-1] 14.9
SB-788 [0-1] 105
SB-794 [0-1] 711
SB-795 [0-1] 37
SB-323
SB-320
SB-324
SB-322
SB-321
SB-318
SB-325
SB-319
SB-326
SB-329
SB-335
SB-331
SB-334
SB-330
SB-327
SB-332
SB-328
SB-333
SB-342
SB-341
SB-344
SB-337
SB-343
SB-336
SB-339
SB-340
SB-338
D-TP-1
D-TP-2

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED: 02/28/11

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SB-003
[5-5] 440 U
[10-10] 440 U

SB-003A

SB-512
[4-6] 380 U
[8-10] 96
[8-10] 456 [D]

SB-510
[4-6] 380 U
[8-10] 46.4
[8-10] 28.8 [D]

SB-002
[5-5] 440 U
[10-10] 440 U

SB-002A

SB-509
[4-6] 380 U
[8-10] 380 U

SB-514
[4-6] 400 U
[8-10] 390 U
[8-10] 390 U [D]

SB-001
[5-5] 480 U
[10-10] 450 U

SB-511
[4-6] 1.9
[8-10] 410 U

SB-006
[5-5] 430 U
[10-10] 440 U

SB-513
[4-6] 1
[8-10] 390 U

SB-001A

SB-006A

SB-833B
[4-4] 3.9 U
[6-6] 4.1 U
[8-8] 3.8 U
[10-10] 3.9 U

SB-518
[4-6] 400 U
[8-10] 430 U

SB-507
[4-6] 410 U
[8-10] 380 U

SB-508
[4-6] 390 U
[4-6] 390 U [D]
[8-10] 400 U

SB-833N
[4-4] 40 U
[6-6] 240
[8-8] 16
[10-10] 16 U

SB-833A
[6-6] 340
[10-10] 200 U

SB-833C
[4-4] 3.8 U
[6-6] 3.9 U
[8-8] 4 U
[10-10] 4.1 U

SB-005
[5-5] 420 U
[10-10] 450 U

SB-005A

SB-036
[5-5] 400 U

SB-500
[4-6] 370 U
[8-10] 400 U

SB-833I
[8-8] 40 U
[10-10] 155

SB-515
[4-6] 400 U
[8-10] 1.4

SB-004
[5-5] 0.052
[10-10] 450 U

SB-035
[4-4] 390 U

SB-501
[4-6] 370 U
[8-10] 390 U

SB-004A

SB-519
[4-6] 380 U
[8-10] 380 U

SB-833M
[4-4] 4 U
[6-6] 3.8 U
[8-8] 4 U
[10-10] 4 U

SB-502
[4-6] 22.3
[8-10] 3800 U

SB-833D
[4-4] 4 U
[6-6] 4.2 U
[8-8] 3.9 U
[10-10] 4.3 U

SB-503
[4-6] 34.5
[10-12] 390 U

SB-833J
[4-4] 3.8 U
[6-6] 4 U
[8-8] 3.9 U
[10-10] 4.1 U

SB-833K
[6-6] 39 U
[8-8] 3.9 U
[10-10] 120

SB-505
[4-6] 380 U
[8-10] 13.2

SB-516

SB-833E
[6-6] 77 U
[10-10] 3.9 U

SB-833H
[6-6] 3.9 U
[8-8] 3.8 U
[10-10] 4 U

SB-504
[4-6] 2167
[8-10] 97.1

SB-506
[4-6] 380 U
[8-10] 420 U

SB-833L
[4-4] 3.9 U
[6-6] 4 U
[8-8] 38 U

SB-517
[4-6] 400 U
[8-10] 39.6

SB-520
[4-6] 400 U
[8-10] 2.1

SB-833F
[4-4] 3.9 U
[6-6] 4 U
[8-8] 4.1 U
[10-10] 4.1 U

SB-833G
[6-6] 4.2 U
[8-8] 4 U
[10-10] 3.9 U

SB-833
[9-9] 33242

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

FIGURE E-2

BAP EQUIVALENTS IN SUBSURFACE SOIL BLOCK E

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

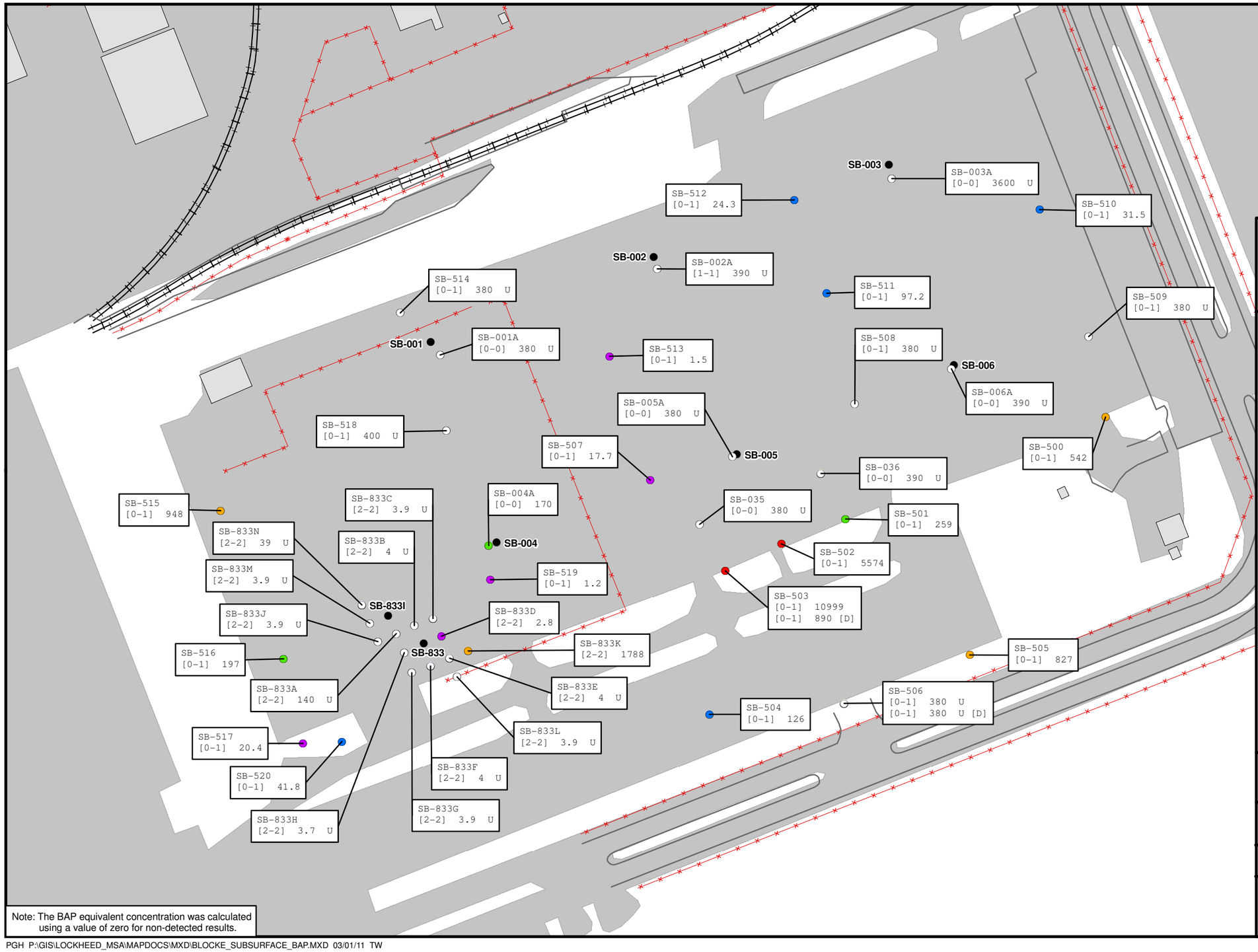
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DATE MODIFIED:
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Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

FIGURE E-1

BAP EQUIVALENTS IN SURFACE SOIL BLOCK E

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

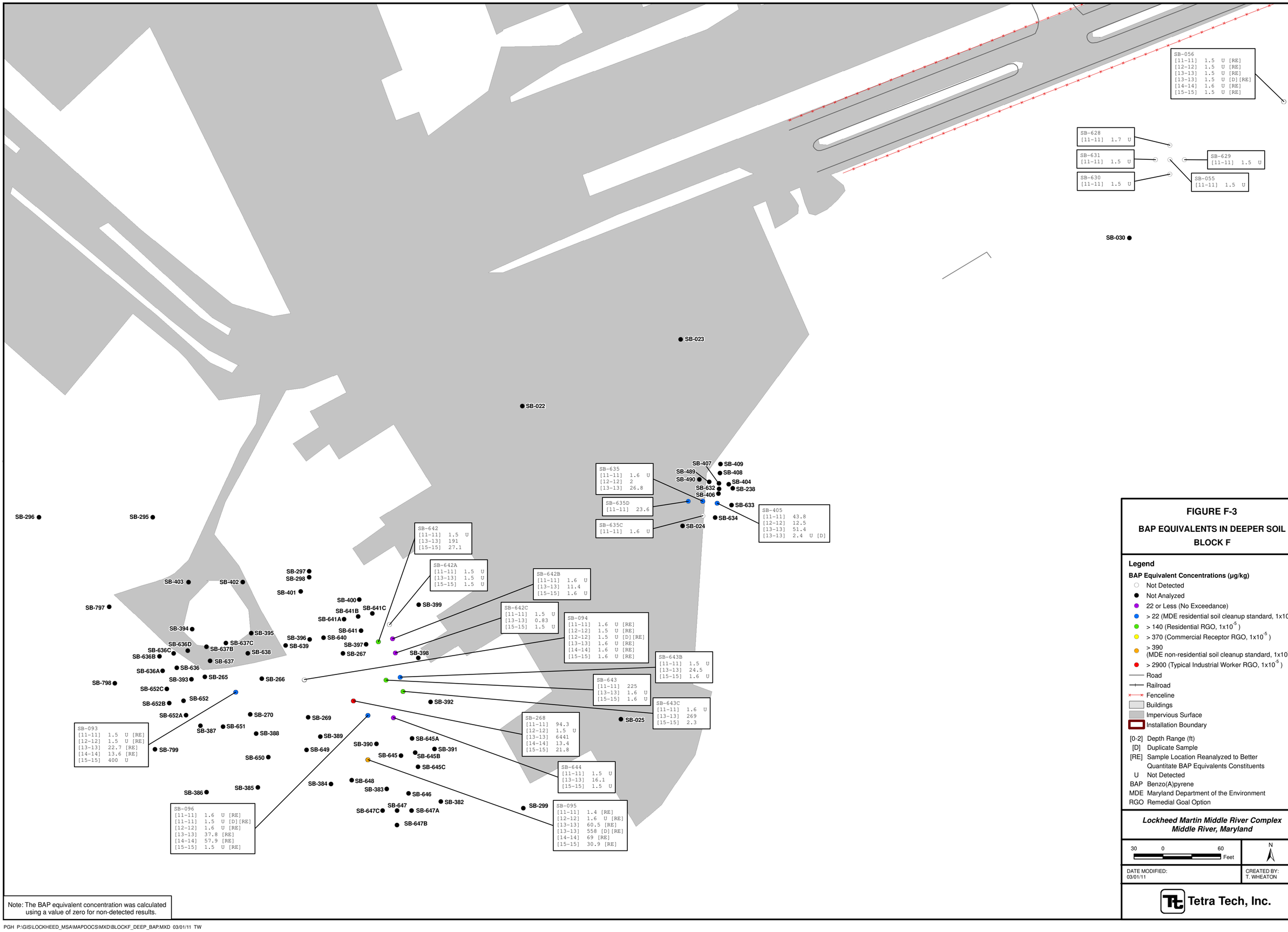
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DATE MODIFIED:
03/01/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

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Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

FIGURE F-3

BAP EQUIVALENTS IN DEEPER SOIL BLOCK F

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

30 0 60 Feet

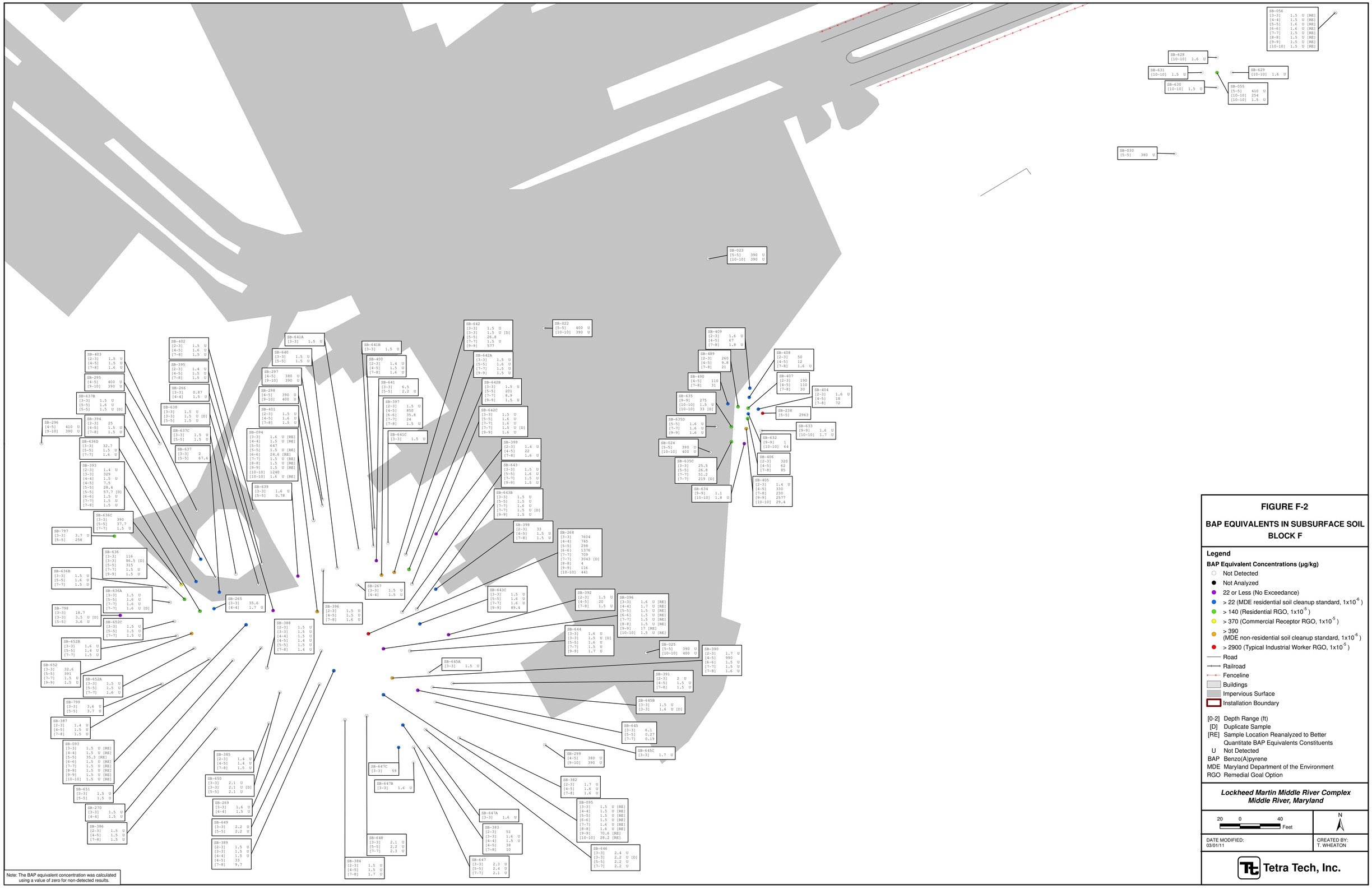
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Tetra Tech, Inc.

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Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

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FIGURE F-2

BAP EQUIVALENTS IN SUBSURFACE SOIL BLOCK F

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)

Road
Railroad
Fenceline
Buildings
Impervious Surface
Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

20 0 40 Feet

N

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Tetra Tech, Inc.

SB-056
[1-1] 22 [RE]
[2-2] 1.5 U [RE]

SB-628
SB-631
SB-629
SB-630
SB-055
[0-1] 121

SB-030
[0-1] 4.8

SB-023
[0-1] 380 U

SB-022
[0-1] 430 U

SB-407
[1-2] 130
SB-409
[1-2] 39
SB-489
[1-2] 9.6
SB-408
[1-2] 87
SB-404
[1-2] 1.5 U
SB-490
SB-632
SB-635
SB-238
[0-1] 424
[1-2] 98.2
SB-635D
[1-1] 19.5
SB-633
SB-406
[1-2] 510
SB-024
[0-1] 77.6
SB-634
SB-405
[1-2] 36
SB-635C
[1-1] 1267

SB-637B
[1-1] 6953
SB-637
[1-1] 1186
SB-403
[1-2] 1.5 U
SB-637C
[1-1] 2075
SB-296
SB-295
SB-394
[1-2] 140
SB-402
[1-2] 37
SB-638
[1-1] 1.4 U
SB-265
[0-1] 2545
[1-2] 602
SB-297
SB-298
SB-636D
[1-1] 6757
SB-395
[1-2] 1.6 U
SB-401
[1-2] 25
SB-797
[1-1] 3496
SB-636C
[1-1] 7120
SB-266
[0-1] 1344
[1-2] 151
SB-636B
[1-1] 1412
SB-636
[1-1] 163
SB-636A
[1-1] 410
SB-639
[1-1] 77.8
SB-798
[1-1] 3.7 U
SB-393
[1-2] 450
SB-652C
[1-1] 17.7
SB-652B
[1-1] 505
SB-652
[1-1] 342
SB-652A
[1-1] 228
SB-093
[0-1] 1939
[1-1] 1190 [RE]
[2-2] 150 [RE]
SB-799
[1-1] 10.9
SB-387
[1-2] 12
SB-651
[1-1] 13
SB-270
[0-1] 369
[1-2] 81
SB-388
[1-2] 380
SB-386
[1-2] 1.4 U
SB-094
[0-1] 1074
[1-1] 184 [RE]
[2-2] 95.4 [RE]

SB-396
[1-2] 80
SB-640
[1-1] 73
SB-641A
[1-1] 40.6
SB-400
[1-2] 9.1
SB-641B
[1-1] 289
SB-643C
[1-1] 1.4 U
SB-385
[1-2] 1.4 U
SB-650
[1-1] 3.1
SB-269
[0-1] 1883
[1-2] 82 U
SB-649
[1-1] 2.2 U
SB-389
[1-2] 220
SB-384
[1-2] 1.5 U
SB-268
[0-1] 38098
[1-2] 4262

SB-641C
[1-1] 9111
SB-641
[1-1] 1364
SB-642A
[1-1] 1.5 U
SB-399
[1-2] 1.4 U
SB-397
[1-2] 80
SB-642
[1-1] 1495
SB-642B
[1-1] 55.8
SB-267
[0-1] 313
[1-2] 104
SB-642C
[1-1] 0.012
SB-398
[1-2] 29
SB-643B
[1-1] 118
SB-643
[1-1] 708
SB-392
[1-2] 1.4 U
SB-096
[1-1] 602 [RE]
[2-2] 1.6 U [RE]
SB-025
[0-1] 400 U
SB-644
[1-1] 69.6
SB-645A
[1-1] 111
SB-391
[1-2] 1.6 U
SB-645B
[1-1] 112
SB-645
[1-1] 26715
SB-299
SB-645C
[1-1] 369
SB-390
[1-2] 9.9
SB-382
[1-2] 1.5 U
SB-646
[1-1] 22.7
SB-647A
[1-1] 3838
SB-383
[1-2] 19000
SB-647C
[1-1] 5140
SB-095
[0-1] 2132
[1-1] 49963 [RE]
[2-2] 0.85 [RE]
SB-647
[1-1] 284
SB-647B
[1-1] 283
SB-648
[1-1] 2.2 U

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKF_SURFACE_BAP.MXD 03/01/11 TW

FIGURE F-1

BAP EQUIVALENTS IN SURFACE SOIL BLOCK F

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

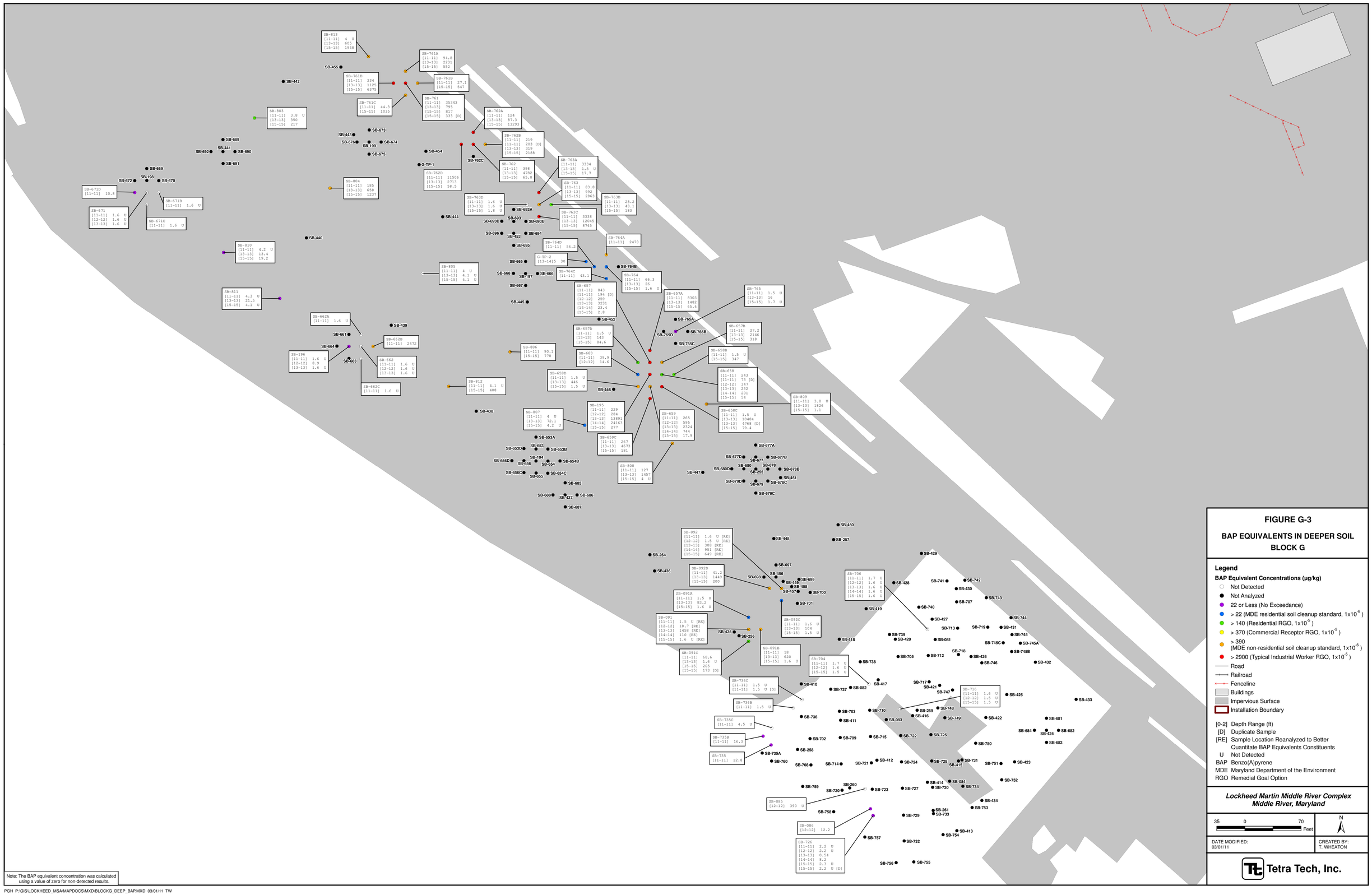
30 0 60 Feet

N

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Tetra Tech, Inc.



Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

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FIGURE G-3

BAP EQUIVALENTS IN DEEPER SOIL BLOCK G

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

35 0 70 Feet

N

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Tetra Tech, Inc.

FIGURE G-2

BAP EQUIVALENTS IN SUBSURFACE SOIL BLOCK G

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

35 0 70 Feet

N

DATE MODIFIED: 03/01/11

CREATED BY: T. WHEATON

Tetra Tech, Inc.

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

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FIGURE G-1

BAP EQUIVALENTS IN SURFACE SOIL BLOCK G

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)

Road
Railroad
Fenceline
Buildings
Impervious Surface
Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

35 0 70 Feet

N

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Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

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SB-814
[11-11] 4 U
[13-13] 46.3
[15-15] 14.5

SB-815
[11-11] 13.1
[13-13] 268
[15-15] 4 U

SB-282D
[11-11] 1.5 U
[13-13] 225
[15-15] 1.5 U

SB-282A
[11-11] 1.6 U
[13-13] 409
[15-15] 32.2

SB-282B
[11-11] 47.8
[13-13] 373
[15-15] 1.6 U

SB-282
[11-11] 1.6 U [RE]
[12-12] 14.7 [RE]
[13-13] 1462 [RE]
[14-14] 3.8 [RE]
[15-15] 1.6 U [RE]

SB-282C
[11-11] 2121
[13-13] 1249
[15-15] 288

SB-817
[11-11] 3.9 U
[13-13] 3.9 U
[15-15] 3.9 U

SB-816
[11-11] 201

SB-294
SB-293
SB-203
SB-202
SB-485
SB-478
SB-611
SB-611A
SB-611D
SB-477
SB-608
SB-604D
SB-604A
SB-470
SB-609
SB-604
SB-484
SB-284
SB-610D
SB-610B
SB-604B
SB-467
SB-610
SB-607
SB-605
SB-610C
SB-283
SB-483
SB-471
SB-606
SB-466
SB-479
SB-486
SB-476
SB-468
SB-475
SB-201
SB-482
SB-472
SB-465
SB-487
SB-469
SB-480
SB-464
SB-200
SB-481
SB-473
SB-488
SB-463
SB-620
SB-474
SB-621
SB-623
SB-622
SB-462

SB-612
[11-11] 8.4
[11-11] 107 [D]
[12-12] 1.6 U

SB-285
[11-11] 1.5 U [RE]
[12-12] 1.5 U [RE]

SB-615
[11-11] 10.4
[12-12] 20.6

SB-614
[11-11] 34.5
[12-12] 99.4

SB-599
[11-11] 14
[12-12] 34.9

SB-200
[11-11] 66.1
[12-12] 165
[13-13] 848
[14-14] 13.3
[15-15] 119

SB-598
[11-11] 1.6 U
[12-12] 1.6 U

SB-596
[11-11] 0.96
[12-12] 130

SB-613
[11-11] 88
[12-12] 42.4

SB-619
[11-11] 1.6 U
[12-12] 1.5 U

SB-597
[11-11] 1.5 U
[12-12] 1.6 U

SB-618
[11-11] 1.5 U
[12-12] 0.98

SB-616
[11-11] 115
[11-11] 2.2 [D]
[12-12] 1.5 U

SB-617
[11-11] 1.6 U
[11-11] 11.7 [D]
[12-12] 31 U

SB-286
[11-11] 32.2
[12-12] 33 U
[15-15] 1.6 U

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

FIGURE H-3

BAP EQUIVALENTS IN DEEPER SOIL BLOCK H

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

45 0 90 Feet

N

DATE MODIFIED:
03/01/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

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SB-814
[3-3] 3.9 U
[5-5] 3.7 U
[7-7] 3.9 U
[9-9] 722

SB-282A
[3-3] 1.5 U
[5-5] 23.7
[7-7] 1.5 U
[9-9] 1.5 U
[9-9] 1.5 U [D]

SB-294
[4-5] 390 U
[9-10] 400 U

SB-293
[4-5] 400 U
[9-10] 390 U

SB-815
[3-3] 3.5 U
[5-5] 8.7
[7-7] 3.9 U
[9-9] 56.3

SB-282D
[3-3] 1.5 U
[5-5] 1.5 U
[7-7] 1.6 U
[9-9] 307

SB-282B
[3-3] 1.9
[5-5] 1.6 U
[7-7] 1.5 U
[9-9] 1657

SB-282
[3-3] 149 [RE]
[4-4] 182 [RE]
[5-5] 1063 [RE]
[6-6] 539 [RE]
[7-7] 180 [RE]
[7-7] 29.5 [D][RE]
[8-8] 71.3 [RE]
[9-9] 3534 [RE]
[9-10] 188
[10-10] 1080 [RE]

SB-282C
[3-3] 1.5 U
[5-5] 1.5 U
[7-7] 1.5 U
[9-9] 1.5 U
[9-9] 1.5 U [D]

SB-817
[3-3] 3.7 U
[5-5] 35.7
[7-7] 3.8 U
[7-7] 3.8 U [D]
[9-9] 3.9 U

SB-816
[3-3] 3.7 U
[3-3] 3.8 U [D]
[5-5] 23
[7-7] 3.8 U
[9-9] 77.3

SB-609
[3-3] 19.5
[4-4] 45.9

SB-476
[2-3] 1.5 U
[3-4] 1.6 U
[5-6] 1.6 U
[7-8] 1.6 U

SB-610B
[3-3] 1.6 U
[5-5] 1.5 U
[5-5] 1.6 U [D]

SB-203
[5-5] 83 U
[10-10] 80 U

SB-477
[2-3] 1.7 U
[3-4] 1.6 U
[5-6] 1.5 U
[7-8] 1.5 U

SB-202
[5-5] 83 U
[10-10] 75.1

SB-478
[2-3] 1.5 U
[3-4] 1.5 U
[5-6] 1.5 U
[7-8] 1.6 U

SB-608
[3-3] 1.6 U
[4-4] 0.9
[4-4] 1.7 U [D]

SB-604D
[3-3] 1.6 U
[3-3] 1.6 U [D]
[5-5] 1.7 U
[7-7] 1.7 U

SB-611
[3-3] 736
[4-4] 1.6 U
[5-5] 9.3
[6-6] 1.6 U
[7-7] 1.5 U

SB-284
[3-3] 1.6 U [RE]
[4-4] 12.3 [RE]
[4-5] 470 U
[9-10] 390 U

SB-485
[2-3] 43
[3-4] 1.5 U
[5-6] 1.5 U
[7-8] 1.5 U

SB-604
[3-3] 195
[4-4] 1.6 U
[5-5] 364
[6-6] 124
[7-7] 1.5 U

SB-610
[3-3] 477
[4-4] 61.3
[5-5] 18.8
[6-6] 1.6 U
[7-7] 1.5 U

SB-611A
[3-3] 29
[5-5] 323

SB-607
[3-3] 1.6 U
[4-4] 1.6 U

SB-604B
[3-3] 1.5 U
[5-5] 1728
[7-7] 1.5 U

SB-604A
[3-3] 1.6 U
[5-5] 33.5
[7-7] 1.6 U

SB-611D
[3-3] 1.5 U
[5-5] 1.6 U
[5-5] 1.6 U [D]

SB-283
[3-3] 1.5 U [RE]
[4-4] 1.5 U [RE]
[4-5] 400 U
[9-10] 390 U

SB-470
[2-3] 1.5 U
[3-4] 1.5 U
[5-6] 1.6 U
[7-8] 1.6 U

SB-610D
[3-3] 1.6 U
[5-5] 1.5 U

SB-605
[3-3] 22.6
[4-4] 1.5 U

SB-484
[2-3] 1.5 U
[3-4] 1.6 U
[5-6] 1.5 U
[7-8] 1.5 U

SB-483
[2-3] 28
[3-4] 1.6 U
[5-6] 1.6 U
[7-8] 1.6 U

SB-467
[2-3] 1.5 U
[3-4] 1.5 U
[5-6] 1.6 U
[7-8] 1.5 U

SB-466
[2-3] 1.4 U
[3-4] 1.5 U
[5-6] 1.6 U
[7-8] 1.5 U

SB-610C
[3-3] 1.6 U
[5-5] 1.5 U

SB-486
[2-3] 380 U
[3-4] 390 U
[5-6] 410 U
[7-8] 390 U

SB-482
[2-3] 1.6 U
[3-4] 1.5 U
[5-6] 1.5 U
[7-8] 1.6 U

SB-471
[2-3] 21
[3-4] 1.6 U
[5-6] 1.6 U
[7-8] 1.6 U

SB-612
SB-615
SB-613

SB-201
[5-5] 82 U
[10-10] 2.3

SB-468
[2-3] 1.5 U
[3-4] 1.5 U
[5-6] 1.5 U
[7-8] 1.5 U

SB-285
[4-5] 1210
[9-10] 704

SB-475
[2-3] 1.5 U
[3-4] 1.6 U
[5-6] 1.6 U
[7-8] 1.6 U

SB-487
[2-3] 400 U
[3-4] 380 U
[5-6] 390 U
[7-8] 390 U

SB-472
[2-3] 1.5 U
[3-4] 1.6 U
[5-6] 1.6 U
[7-8] 1.6 U

SB-606
[3-3] 0.9
[4-4] 1.5 U

SB-465
[2-3] 1.4 U
[3-4] 1.5 U
[5-6] 1.6 U
[7-8] 1.5 U

SB-596
SB-599
SB-597
SB-598

SB-614
[10-10] 5330

SB-473
[2-3] 1.5 U
[3-4] 1.5 U
[5-6] 1.7 U
[7-8] 1.6 U

SB-481
[2-3] 1.5 U
[3-4] 10
[5-6] 1.6 U
[7-8] 1.6 U

SB-469
[2-3] 1.5 U
[3-4] 1.6 U
[5-6] 1.6 U
[7-8] 1.5 U

SB-200
[5-5] 124
[10-10] 943

SB-620
[5-5] 21.9
[6-6] 1.5 U
[6-6] 1.5 U [D]

SB-479
[2-3] 1.5 U
[3-4] 1.6 U
[5-6] 1.5 U
[7-8] 1.5 U

SB-616
SB-619
SB-617
SB-618

SB-464
[2-3] 1.5 U
[3-4] 1.6 U
[5-6] 1.6 U
[7-8] 1.5 U

SB-200
[5-5] 124
[10-10] 943

SB-463
[2-3] 1.8 U
[3-4] 1.6 U
[5-6] 1.6 U
[7-8] 1.6 U

SB-623
[5-5] 33.4
[6-6] 43.3

SB-621
[5-5] 20.9
[6-6] 1.5 U

SB-286
[4-5] 440 U
[9-10] 433

SB-480
[2-3] 1.5 U
[3-4] 1.5 U
[5-6] 1.5 U
[7-8] 1.5 U

SB-488
[2-3] 370 U
[3-4] 380 U
[5-6] 400 U
[7-8] 390 U

SB-462
[2-3] 1.5 U
[3-4] 1.5 U
[5-6] 1.6 U
[7-8] 1.6 U

SB-622
[5-5] 2
[6-6] 1.5 U

SB-474
[2-3] 31
[3-4] 490
[5-5] 15 [RE]
[5-6] 1.4 U
[6-6] 1.5 U [RE]
[7-8] 1.5 U

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

FIGURE H-2

BAP EQUIVALENTS IN SUBSURFACE SOIL BLOCK H

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

30 0 60 Feet

N

DATE MODIFIED: 03/01/11

CREATED BY: T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKH_SUBSURFACE_BAP.MXD 03/01/11 TW

SB-814
[1-1] 3.9 U

SB-815
[1-1] 3.8 U

SB-282A
[1-1] 23981

SB-294
[0-1] 360 U

SB-282B
[1-1] 30.6

SB-293
[1-2] 360 U

SB-282D
[1-1] 21468

SB-282
[1-1] 165 [RE]
[2-2] 145 [RE]

SB-282C
[1-1] 67.6

SB-817
[1-1] 3.7 U

SB-816
[1-1] 55.6

SB-203
[0-1] 69.9

SB-202
[0-1] 80 U

SB-477
[1-2] 1.5 U

SB-478
[1-2] 1.4 U

SB-284
[1-2] 206

SB-475
[1-2] 1.5 U

SB-485
[1-2] 10

SB-611A
[1-1] 52.5

SB-611D
[1-1] 616

SB-604D
[1-1] 45883

SB-604B
[1-1] 163

SB-470
[1-2] 52

SB-604A
[1-1] 16

SB-611

SB-608

SB-609

SB-610D
[1-1] 24

SB-283
[1-2] 367

SB-604

SB-484
[1-2] 21

SB-467
[1-2] 1.5 U

SB-610

SB-607

SB-605

SB-606

SB-483
[1-2] 32

SB-466
[1-2] 11

SB-471
[1-2] 1.6 U

SB-486
[1-2] 370 U

SB-468
[1-2] 1.5 U

SB-612

SB-615

SB-613

SB-482
[1-2] 13

SB-465
[1-2] 1.5 U

SB-614

SB-476
[1-2] 1.5 U

SB-201
[0-1] 48.6

SB-285
[1-2] 400 U

SB-610B
[1-1] 14

SB-487
[1-2] 370 U

SB-469
[1-2] 15

SB-596

SB-599

SB-597

SB-610C
[1-1] 30.3

SB-481
[1-2] 31

SB-464
[1-2] 1.4 U

SB-598

SB-616

SB-619

SB-617

SB-618

SB-479
[1-2] 15

SB-200
[0-1] 499

SB-488
[1-2] 9

SB-463
[1-2] 69

SB-620

SB-480
[1-2] 1.5 U

SB-623

SB-621

SB-472
[1-2] 1.5 U

SB-622

SB-286
[1-2] 370 U

SB-474
[1-2] 24

SB-473
[1-2] 1.5 U

SB-462
[1-2] 26

Note: The BAP equivalent concentration was calculated using a value of zero for non-detected results.

FIGURE H-1

BAP EQUIVALENTS IN SURFACE SOIL BLOCK H

Legend

BAP Equivalent Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 22 or Less (No Exceedance)
- > 22 (MDE residential soil cleanup standard, $1x10^{-6}$)
- > 140 (Residential RGO, $1x10^{-5}$)
- > 370 (Commercial Receptor RGO, $1x10^{-5}$)
- > 390 (MDE non-residential soil cleanup standard, $1x10^{-6}$)
- > 2900 (Typical Industrial Worker RGO, $1x10^{-5}$)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
[RE] Sample Location Reanalyzed to Better Quantitate BAP Equivalents Constituents
U Not Detected
BAP Benzo(A)pyrene
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

45 0 90 Feet

N

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03/01/11

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Tetra Tech, Inc.

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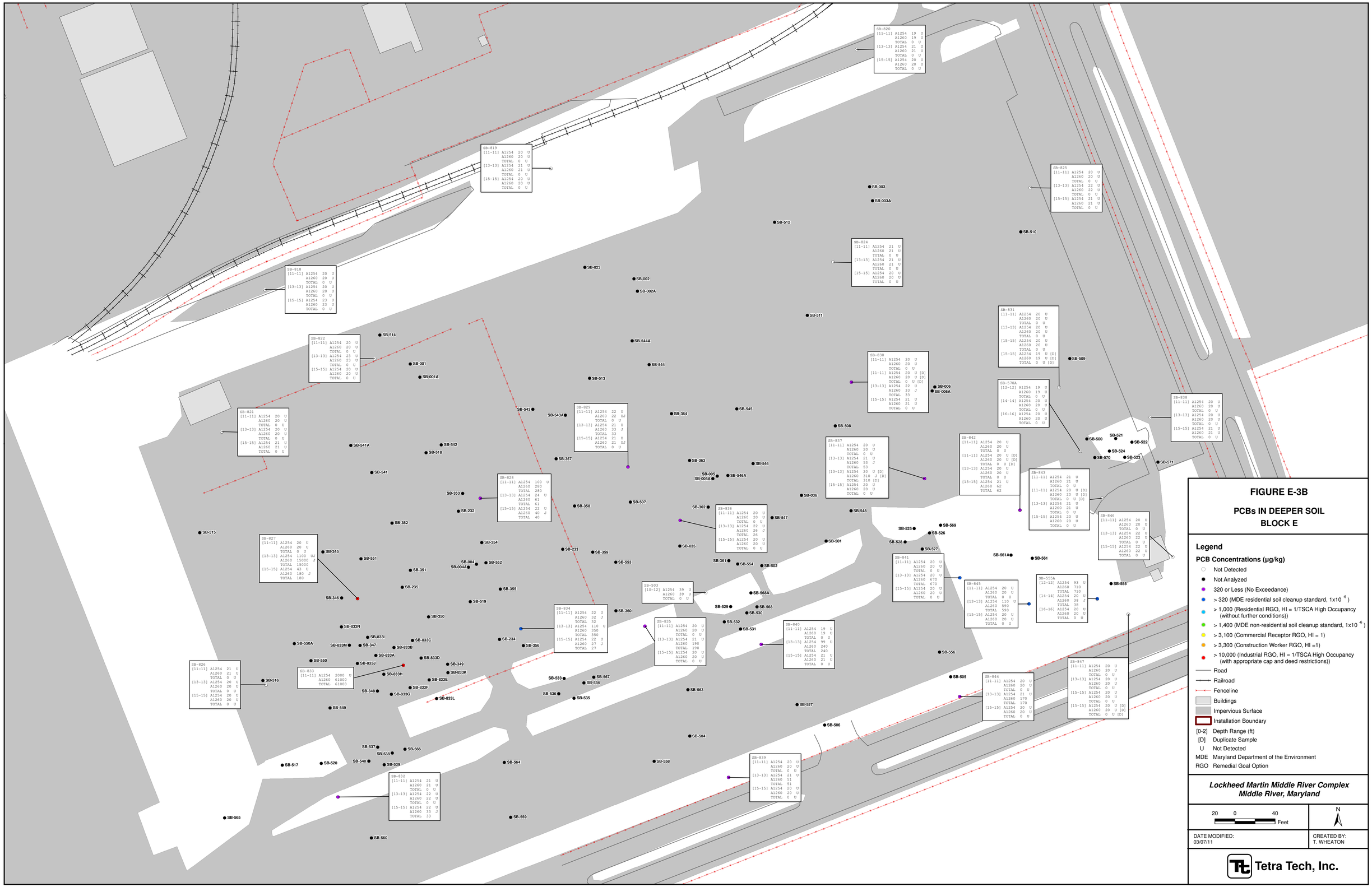


FIGURE E-3B

PCBs IN DEEPER SOIL
BLOCK E

Legend

PCB Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 320 or Less (No Exceedance)
- > 320 (MDE residential soil cleanup standard, 1x10 $^{-6}$)
- > 1,000 (Residential RGO, HI = 1/TSCA High Occupancy (without further conditions))
- > 1,400 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3,100 (Commercial Receptor RGO, HI = 1)
- > 3,300 (Construction Worker RGO, HI =1)
- > 10,000 (Industrial RGO, HI = 1/TSCA High Occupancy (with appropriate cap and deed restrictions))
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

20 0 40 Feet

N

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SB-512
[4-6] 5.7 U
[8-10] 6.3 U
[8-10] 6.3 U [D]

SB-003
[5-5] 7 U
[10-10] 7 U

SB-003A

SB-002
[5-5] 7 U
[10-10] 7 U

SB-002A

SB-510
[4-6] 5.8 U
[8-10] 5.8 U
[8-10] 5.8 U [D]

SB-514
[4-6] 6 U
[8-10] 5.9 U
[8-10] 5.9 U [D]

SB-833B
[4-4] 0.48 U
[6-6] 0.57 U
[8-8] 0.52 U
[10-10] 0.6 U

SB-001
[5-5] 7 U
[10-10] 7 U

SB-001A

SB-513
[4-6] 5.9 U
[8-10] 5.8 U

SB-511
[4-6] 5.9 U
[8-10] 6.3 U

SB-508
[4-6] 5.8 U
[4-6] 5.9 U [D]
[8-10] 6 U

SB-006
[5-5] 7 U
[10-10] 7 U

SB-006A

SB-509
[4-6] 5.8 U
[8-10] 5.7 U

SB-833A
[6-6] 17000
[10-10] 28000 J

SB-833I
[8-8] 2900 J
[10-10] 2300 J

SB-833
[9-9] 130000 J

SB-518
[4-6] 6 U
[8-10] 6.5 U

SB-507
[4-6] 6.2 U
[8-10] 5.8 U

SB-500
[4-6] 5.6 U
[8-10] 6 U

SB-833N
[4-4] 0.56 U
[6-6] 0.62 U
[8-8] 0.63 U
[10-10] 0.61 U

SB-005
[5-5] 6 U
[10-10] 7 U

SB-005A

SB-833C
[4-4] 0.57 U
[6-6] 0.57 U
[8-8] 0.62 U
[10-10] 0.51 U

SB-036
[5-5] 6 U

SB-035
[4-4] 6 U

SB-515
[4-6] 6.1 U
[8-10] 6.2 U

SB-501
[4-6] 17 J
[8-10] 640 J

SB-833M
[4-4] 0.62 U
[6-6] 0.51 U
[8-8] 0.62 U
[10-10] 0.57 U

SB-004
[5-5] 7 U
[10-10] 7 U

SB-004A

SB-833J
[4-4] 0.61 U
[6-6] 0.54 U
[8-8] 0.55 U
[10-10] 20 J

SB-519
[4-6] 5.8 U
[8-10] 5.8 U

SB-502
[4-6] 5.8 U
[8-10] 290 U

SB-503
[4-6] 6.1 U
[10-12] 5.9 U

SB-833H
[6-6] 30
[8-8] 140 J
[10-10] 9.9

SB-516

SB-833K
[6-6] 1500 J
[8-8] 98 J
[10-10] 250 J

SB-505
[4-6] 5.8 U
[8-10] 6.3 U

SB-833G
[6-6] 1.6 J
[8-8] 38
[10-10] 18

SB-833D
[4-4] 0.55 U
[6-6] 0.63 U
[8-8] 14
[10-10] 8.2 J

SB-506
[4-6] 5.8 U
[8-10] 6.4 U

SB-520
[4-6] 6.1 U
[8-10] 6 U

SB-504
[4-6] 5.7 U
[8-10] 5.8 U

SB-517
[4-6] 6.1 U
[8-10] 6.1 U

SB-833F
[4-4] 89 J
[6-6] 110 J
[8-8] 93 J
[10-10] 58 J

SB-833L
[4-4] 67 J
[6-6] 27 J
[8-8] 4300 J

SB-833E
[6-6] 2700 J
[10-10] 140 J

FIGURE E-2E
1,4-DICHLOROBENZENE IN SUBSURFACE SOIL
BLOCK E

Legend

1,4-Dichlorobenzene Concentration (µg/kg)

- Not Detected
- Not Analyzed
- 27,000 or Less (No Exceedance)
- > 27,000 (MDE residential soil cleanup standard)
- > 31,000 (Residential RGO, 1x10 $^{-5}$)
- > 120,000 (MDE non-residential soil cleanup standard)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- J Estimated Result
- B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
- MDE Maryland Department of the Environment
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED:
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T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKE_SUBSURFACE_14-DCB.MXD 03/08/11 TW

SB-003
[5-5] 7 U
[10-10] 7 U

SB-003A

SB-512
[4-6] 5.7 U
[8-10] 6.3 U
[8-10] 6.3 U [D]

SB-510
[4-6] 5.8 U
[8-10] 5.8 U
[8-10] 5.8 U [D]

SB-002
[5-5] 7 U
[10-10] 7 U

SB-002A

SB-514
[4-6] 6 U
[8-10] 5.9 U
[8-10] 5.9 U [D]

SB-001
[5-5] 7 U
[10-10] 7 U

SB-511
[4-6] 5.9 U
[8-10] 6.3 U

SB-006
[5-5] 7 U
[10-10] 7 U

SB-509
[4-6] 5.8 U
[8-10] 5.7 U

SB-001A

SB-833A
[6-6] 18000
[10-10] 140000

SB-513
[4-6] 5.9 U
[8-10] 5.8 U

SB-006A

SB-833B
[4-4] 0.28 U
[6-6] 2.2 J
[8-8] 2.1 J
[10-10] 0.34 U

SB-508
[4-6] 5.8 U
[4-6] 5.9 U [D]
[8-10] 6 U

SB-500
[4-6] 5.6 U
[8-10] 6 U

SB-833I
[8-8] 21000 J
[10-10] 11000 J

SB-518
[4-6] 6 U
[8-10] 6.5 U

SB-005
[5-5] 6 U
[10-10] 7 U

SB-833N
[4-4] 0.32 U
[6-6] 0.35 U
[8-8] 0.36 U
[10-10] 1.4 B

SB-833C
[4-4] 0.33 U
[6-6] 0.33 U
[8-8] 0.36 U
[10-10] 0.29 U

SB-005A

SB-036
[5-5] 6 U

SB-507
[4-6] 6.2 U
[8-10] 5.8 U

SB-501
[4-6] 2100
[8-10] 14000

SB-515
[4-6] 6.1 U
[8-10] 6.2 U

SB-833M
[4-4] 0.36 U
[6-6] 5.4
[8-8] 0.36 U
[10-10] 0.33 U

SB-004
[5-5] 7 U
[10-10] 7 U

SB-004A

SB-502
[4-6] 21
[8-10] 710

SB-519
[4-6] 5.8 U
[8-10] 5.8 U

SB-833J
[4-4] 0.35 U
[6-6] 0.31 U
[8-8] 0.31 U
[10-10] 89 J

SB-833
[9-9] 2200000

SB-503
[4-6] 6.1 U
[10-12] 5.9 U

SB-833D
[4-4] 0.31 U
[6-6] 0.6 J
[8-8] 65
[10-10] 11 B

SB-833H
[6-6] 5.9
[8-8] 180 J
[10-10] 19 J

SB-035
[4-4] 6 U

SB-505
[4-6] 5.8 U
[8-10] 6.3 U

SB-516

SB-833F
[4-4] 340 J
[6-6] 380 J
[8-8] 320 J
[10-10] 150 J

SB-833K
[6-6] 22000 J
[8-8] 370 J
[10-10] 5800

SB-506
[4-6] 5.8 U
[8-10] 6.4 U

SB-833G
[6-6] 2 J
[8-8] 4.1 J
[10-10] 0.32 U

SB-833L
[4-4] 420 J
[6-6] 230 J
[8-8] 77000 J

SB-504
[4-6] 5.7 U
[8-10] 5.8 U

SB-517
[4-6] 6.1 U
[8-10] 6.1 U

SB-833E
[6-6] 52000 J
[10-10] 910 J

SB-520
[4-6] 6.1 U
[8-10] 6 U

FIGURE E-2C
1,2,3-TRICHLOROBENZENE IN SUBSURFACE SOIL
BLOCK E

Legend

1,2,3-Trichlorobenzene Concentration (µg/kg)

- Not Detected
- Not Analyzed
- 29,000 or Less (No Exceedance)
- > 29,000 (Residential RGO, HI=0.5)
- > 58,000 (Residential RGO, HI=1)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- J Estimated Result
- B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED:
03/07/11

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T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKE_SUBSURFACE_123TCB.MXD 03/07/11 TW

SB-514
[4-6] 6 U
[8-10] 5.9 U
[8-10] 5.9 U [D]

SB-512
[4-6] 5.7 U
[8-10] 6.3 U
[8-10] 6.3 U [D]

SB-003
[5-5] 7 U
[10-10] 7 U

SB-003A

SB-833B
[4-4] 0.69 B
[6-6] 12
[8-8] 11
[10-10] 1.4 B

SB-001
[5-5] 7 U
[10-10] 7 U

SB-002
[5-5] 7 U
[10-10] 7 U

SB-002A

SB-511
[4-6] 5.9 U
[8-10] 6.3 U

SB-510
[4-6] 5.8 U
[8-10] 5.8 U
[8-10] 5.8 U [D]

SB-833A
[6-6] 140000
[10-10] 830000

SB-833I
[8-8] 110000
[10-10] 66000

SB-001A

SB-513
[4-6] 5.9 U
[8-10] 5.8 U

SB-508
[4-6] 5.8 U
[4-6] 5.9 U [D]
[8-10] 6 U

SB-509
[4-6] 5.8 U
[8-10] 5.7 U

SB-006A

SB-006
[5-5] 7 U
[10-10] 7 U

SB-833N
[4-4] 0.23 U
[6-6] 0.25 U
[8-8] 0.51 B
[10-10] 5.9 J

SB-833C
[4-4] 0.66 B
[6-6] 0.94 B
[8-8] 0.79 B
[10-10] 0.49 B

SB-518
[4-6] 6 U
[8-10] 6.5 U

SB-507
[4-6] 6.2 U
[8-10] 5.8 U

SB-500
[4-6] 5.6 U
[8-10] 6 U

SB-833M
[4-4] 0.98 B
[6-6] 25
[8-8] 0.68 B
[10-10] 0.68 B

SB-005
[5-5] 6 U
[10-10] 7 U

SB-005A

SB-833D
[4-4] 0.57 B
[6-6] 2.7 B
[8-8] 110 J
[10-10] 52 B

SB-036
[5-5] 6 U

SB-515
[4-6] 6.1 U
[8-10] 6.2 U

SB-035
[4-4] 6 U

SB-501
[4-6] 4800
[8-10] 69000

SB-833J
[4-4] 1.1 B
[6-6] 1.1 B
[8-8] 0.46 B
[10-10] 520

SB-004
[5-5] 7 U
[10-10] 7 U

SB-004A

SB-519
[4-6] 5.8 U
[8-10] 5.8 U

SB-502
[4-6] 71
[8-10] 3700

SB-833H
[6-6] 38
[8-8] 970
[10-10] 96

SB-503
[4-6] 6.1 U
[10-12] 5.9 U

SB-833K
[6-6] 120000 J
[8-8] 1700 J
[10-10] 28000

SB-516

SB-505
[4-6] 5.8 U
[8-10] 0.45 B

SB-833G
[6-6] 7.5
[8-8] 21
[10-10] 0.67 B

SB-833E
[6-6] 260000
[10-10] 4700

SB-506
[4-6] 5.8 U
[8-10] 6.4 U

SB-517
[4-6] 6.1 U
[8-10] 6.1 U

SB-833L
[4-4] 1900
[6-6] 1000
[8-8] 410000 J

SB-833F
[4-4] 1500
[6-6] 1800
[8-8] 1500
[10-10] 720

SB-504
[4-6] 0.95 B
[8-10] 0.63 B

SB-520
[4-6] 6.1 U
[8-10] 6 U

SB-833
[9-9] 9600000

FIGURE E-2D
1,2,4-TRICHLOROBENZENE IN SUBSURFACE SOIL
BLOCK E

Legend

1,2,4-Trichlorobenzene Concentration (µg/kg)

- Not Detected
- Not Analyzed
- 38,000 or Less (No Exceedance)
- > 38,000 (Residential RGO, HI = 0.5)
- > 78,000 (MDE residential soil cleanup standard)
- > 175,000 (Typical Industrial Worker RGO, HI = 0.5)
- > 400,000 (Commercial Receptor RGO, HI = 0.5)
- > 1,000,000 (MDE non-residential soil cleanup standard)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- J Estimated Result
- B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
- MDE Maryland Department of the Environment
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED:
03/08/11

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T. WHEATON

Tetra Tech, Inc.

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FIGURE E-2B

PCBs IN SUBSURFACE SOIL
BLOCK E

Legend

PCB Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 320 or Less (No Exceedance)
- > 320 (MDE residential soil cleanup standard, 1x10 $^{-6}$)
- > 1,000 (Residential RGO, HI = 1/TSCA High Occupancy (without further conditions))
- > 1,400 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3,100 (Commercial Receptor RGO, HI = 1)
- > 3,300 (Construction Worker RGO, HI =1)
- > 10,000 (Industrial RGO, HI = 1/TSCA High Occupancy (with appropriate cap and deed restrictions))

- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

30 0 60 Feet

N

DATE MODIFIED: 03/07/11

CREATED BY: T. WHEATON

Tetra Tech, Inc.

PGH: P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKE_SUBSURFACE_PCB.MXD 03/07/11 TW

SB-003
[5-5] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U
[10-10] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U

SB-003A

SB-512
[4-6] 1,2,3-TCB 5.7 U
1,2,4-TCB 5.7 U
1,4-DCB 5.7 U
[8-10] 1,2,3-TCB 6.3 U
1,2,4-TCB 6.3 U
1,4-DCB 6.3 U
[8-10] 1,2,3-TCB 6.3 U [D]
1,2,4-TCB 6.3 U [D]
1,4-DCB 6.3 U [D]

SB-510
[4-6] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
[8-10] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
[8-10] 1,2,3-TCB 5.8 U [D]
1,2,4-TCB 5.8 U [D]
1,4-DCB 5.8 U [D]

SB-002
[5-5] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U
[10-10] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U

SB-002A

SB-509
[4-6] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
[8-10] 1,2,3-TCB 5.7 U
1,2,4-TCB 5.7 U
1,4-DCB 5.7 U

SB-511
[4-6] 1,2,3-TCB 5.9 U
1,2,4-TCB 5.9 U
1,4-DCB 5.9 U
[8-10] 1,2,3-TCB 6.3 U
1,2,4-TCB 6.3 U
1,4-DCB 6.3 U

SB-514
[4-6] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
[8-10] 1,2,3-TCB 5.9 U
1,2,4-TCB 5.9 U
1,4-DCB 5.9 U
[8-10] 1,2,3-TCB 5.9 U [D]
1,2,4-TCB 5.9 U [D]
1,4-DCB 5.9 U [D]

SB-001
[5-5] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U
[10-10] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U

SB-001A

SB-006
[5-5] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U
[10-10] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U

SB-006A

SB-518
[4-6] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
[8-10] 1,2,3-TCB 6.5 U
1,2,4-TCB 6.5 U
1,4-DCB 6.5 U

SB-513
[4-6] 1,2,3-TCB 5.9 U
1,2,4-TCB 5.9 U
1,4-DCB 5.9 U
[8-10] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U

SB-833B
[4-4] 1,2,3-TCB 0.28 U
1,2,4-TCB 0.69 B
1,4-DCB 0.48 U
[6-6] 1,2,3-TCB 2.2 J
1,2,4-TCB 12
1,4-DCB 0.57 U
[8-8] 1,2,3-TCB 2.1 J
1,2,4-TCB 11
1,4-DCB 0.52 U
[10-10] 1,2,3-TCB 0.34 U
1,2,4-TCB 1.4 B
1,4-DCB 0.6 U

SB-833C
[4-4] 1,2,3-TCB 0.33 U
1,2,4-TCB 0.66 B
1,4-DCB 0.57 U
[6-6] 1,2,3-TCB 0.33 U
1,2,4-TCB 0.94 B
1,4-DCB 0.57 U
[8-8] 1,2,3-TCB 0.36 U
1,2,4-TCB 0.79 B
1,4-DCB 0.62 U
[10-10] 1,2,3-TCB 0.29 U
1,2,4-TCB 0.49 B
1,4-DCB 0.51 U

SB-507
[4-6] 1,2,3-TCB 6.2 U
1,2,4-TCB 6.2 U
1,4-DCB 6.2 U
[8-10] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U

SB-005
[5-5] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
[10-10] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U

SB-005A

SB-508
[4-6] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
[4-6] 1,2,3-TCB 5.9 U [D]
1,2,4-TCB 5.9 U [D]
1,4-DCB 5.9 U [D]
[8-10] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U

SB-833I
[8-8] 1,2,3-TCB 21000 J
1,2,4-TCB 110000
1,4-DCB 2900 J
[10-10] 1,2,3-TCB 11000 J
1,2,4-TCB 66000
1,4-DCB 2300 J

SB-833N
[4-4] 1,2,3-TCB 0.32 U
1,2,4-TCB 0.23 U
1,4-DCB 0.56 U
[6-6] 1,2,3-TCB 0.35 U
1,2,4-TCB 0.25 U
1,4-DCB 0.62 U
[8-8] 1,2,3-TCB 0.36 U
1,2,4-TCB 0.51 B
1,4-DCB 0.63 U
[10-10] 1,2,3-TCB 1.4 B
1,2,4-TCB 5.9 J
1,4-DCB 0.61 U

SB-833A
[6-6] 1,2,3-TCB 18000
1,2,4-TCB 140000
1,4-DCB 17000
[10-10] 1,2,3-TCB 140000
1,2,4-TCB 830000
1,4-DCB 28000 J

SB-833
[9-9] 1,2,3-TCB 2200000
1,2,4-TCB 9600000
1,4-DCB 130000 J

SB-036
[5-5] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U

SB-500
[4-6] 1,2,3-TCB 5.6 U
1,2,4-TCB 5.6 U
1,4-DCB 5.6 U
[8-10] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U

SB-035
[4-4] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U

SB-501
[4-6] 1,2,3-TCB 2100
1,2,4-TCB 4800
1,4-DCB 17 J
[8-10] 1,2,3-TCB 14000
1,2,4-TCB 69000
1,4-DCB 640 J

SB-004
[5-5] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U
[10-10] 1,2,3-TCB 7 U
1,2,4-TCB 7 U
1,4-DCB 7 U

SB-004A

SB-515
[4-6] 1,2,3-TCB 6.1 U
1,2,4-TCB 6.1 U
1,4-DCB 6.1 U
[8-10] 1,2,3-TCB 6.2 U
1,2,4-TCB 6.2 U
1,4-DCB 6.2 U

SB-833M
[4-4] 1,2,3-TCB 0.36 U
1,2,4-TCB 0.98 B
1,4-DCB 0.62 U
[6-6] 1,2,3-TCB 5.4
1,2,4-TCB 25
1,4-DCB 0.51 U
[8-8] 1,2,3-TCB 0.36 U
1,2,4-TCB 0.68 B
1,4-DCB 0.62 U
[10-10] 1,2,3-TCB 0.33 U
1,2,4-TCB 0.68 B
1,4-DCB 0.57 U

SB-519
[4-6] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
[8-10] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U

SB-502
[4-6] 1,2,3-TCB 21
1,2,4-TCB 71
1,4-DCB 5.8 U
[8-10] 1,2,3-TCB 710
1,2,4-TCB 3700
1,4-DCB 290 U

SB-833J
[4-4] 1,2,3-TCB 0.35 U
1,2,4-TCB 1.1 B
1,4-DCB 0.61 U
[6-6] 1,2,3-TCB 0.31 U
1,2,4-TCB 1.1 B
1,4-DCB 0.54 U
[8-8] 1,2,3-TCB 0.31 U
1,2,4-TCB 0.46 B
1,4-DCB 0.55 U
[10-10] 1,2,3-TCB 89 J
1,2,4-TCB 520
1,4-DCB 20 J

SB-833H
[6-6] 1,2,3-TCB 5.9
1,2,4-TCB 38
1,4-DCB 30
[8-8] 1,2,3-TCB 180 J
1,2,4-TCB 970
1,4-DCB 140 J
[10-10] 1,2,3-TCB 19 J
1,2,4-TCB 96
1,4-DCB 9.9

SB-516

SB-833D
[4-4] 1,2,3-TCB 0.31 U
1,2,4-TCB 0.57 B
1,4-DCB 0.55 U
[6-6] 1,2,3-TCB 0.6 J
1,2,4-TCB 2.7 B
1,4-DCB 0.63 U
[8-8] 1,2,3-TCB 65
1,2,4-TCB 110 J
1,4-DCB 14
[10-10] 1,2,3-TCB 11 B
1,2,4-TCB 52 B
1,4-DCB 8.2 J

SB-503
[4-6] 1,2,3-TCB 6.1 U
1,2,4-TCB 6.1 U
1,4-DCB 6.1 U
[10-12] 1,2,3-TCB 5.9 U
1,2,4-TCB 5.9 U
1,4-DCB 5.9 U

SB-505
[4-6] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
[8-10] 1,2,3-TCB 6.3 U
1,2,4-TCB 0.45 B
1,4-DCB 6.3 U

SB-833G
[6-6] 1,2,3-TCB 2 J
1,2,4-TCB 7.5
1,4-DCB 1.6 J
[8-8] 1,2,3-TCB 4.1 J
1,2,4-TCB 21
1,4-DCB 38
[10-10] 1,2,3-TCB 0.32 U
1,2,4-TCB 0.67 B
1,4-DCB 18

SB-833K
[6-6] 1,2,3-TCB 22000 J
1,2,4-TCB 120000 J
1,4-DCB 1500 J
[8-8] 1,2,3-TCB 370 J
1,2,4-TCB 1700 J
1,4-DCB 98 J
[10-10] 1,2,3-TCB 5800
1,2,4-TCB 28000
1,4-DCB 250 J

SB-506
[4-6] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
[8-10] 1,2,3-TCB 6.4 U
1,2,4-TCB 6.4 U
1,4-DCB 6.4 U

SB-517
[4-6] 1,2,3-TCB 6.1 U
1,2,4-TCB 6.1 U
1,4-DCB 6.1 U
[8-10] 1,2,3-TCB 6.1 U
1,2,4-TCB 6.1 U
1,4-DCB 6.1 U

SB-833F
[4-4] 1,2,3-TCB 340 J
1,2,4-TCB 1500
1,4-DCB 89 J
[6-6] 1,2,3-TCB 380 J
1,2,4-TCB 1800
1,4-DCB 110 J
[8-8] 1,2,3-TCB 320 J
1,2,4-TCB 1500
1,4-DCB 93 J
[10-10] 1,2,3-TCB 150 J
1,2,4-TCB 720
1,4-DCB 58 J

SB-833L
[4-4] 1,2,3-TCB 420 J
1,2,4-TCB 1900
1,4-DCB 67 J
[6-6] 1,2,3-TCB 230 J
1,2,4-TCB 1000
1,4-DCB 27 J
[8-8] 1,2,3-TCB 77000 J
1,2,4-TCB 410000 J
1,4-DCB 4300 J

SB-504
[4-6] 1,2,3-TCB 5.7 U
1,2,4-TCB 0.95 B
1,4-DCB 5.7 U
[8-10] 1,2,3-TCB 5.8 U
1,2,4-TCB 0.63 B
1,4-DCB 5.8 U

SB-520
[4-6] 1,2,3-TCB 6.1 U
1,2,4-TCB 6.1 U
1,4-DCB 6.1 U
[8-10] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U

SB-833E
[6-6] 1,2,3-TCB 52000 J
1,2,4-TCB 260000
1,4-DCB 2700 J
[10-10] 1,2,3-TCB 910 J
1,2,4-TCB 4700
1,4-DCB 140 J

FIGURE E-2F

SELECT VOCs IN SUBSURFACE SOIL BLOCK E

Legend

Select VOC Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- Location with Detected VOC Concentration
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
J Estimated Result
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

25 0 50 Feet

N

DATE MODIFIED:
03/08/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKE_SUBSURFACE_VOCs.MXD 03/08/11 TW

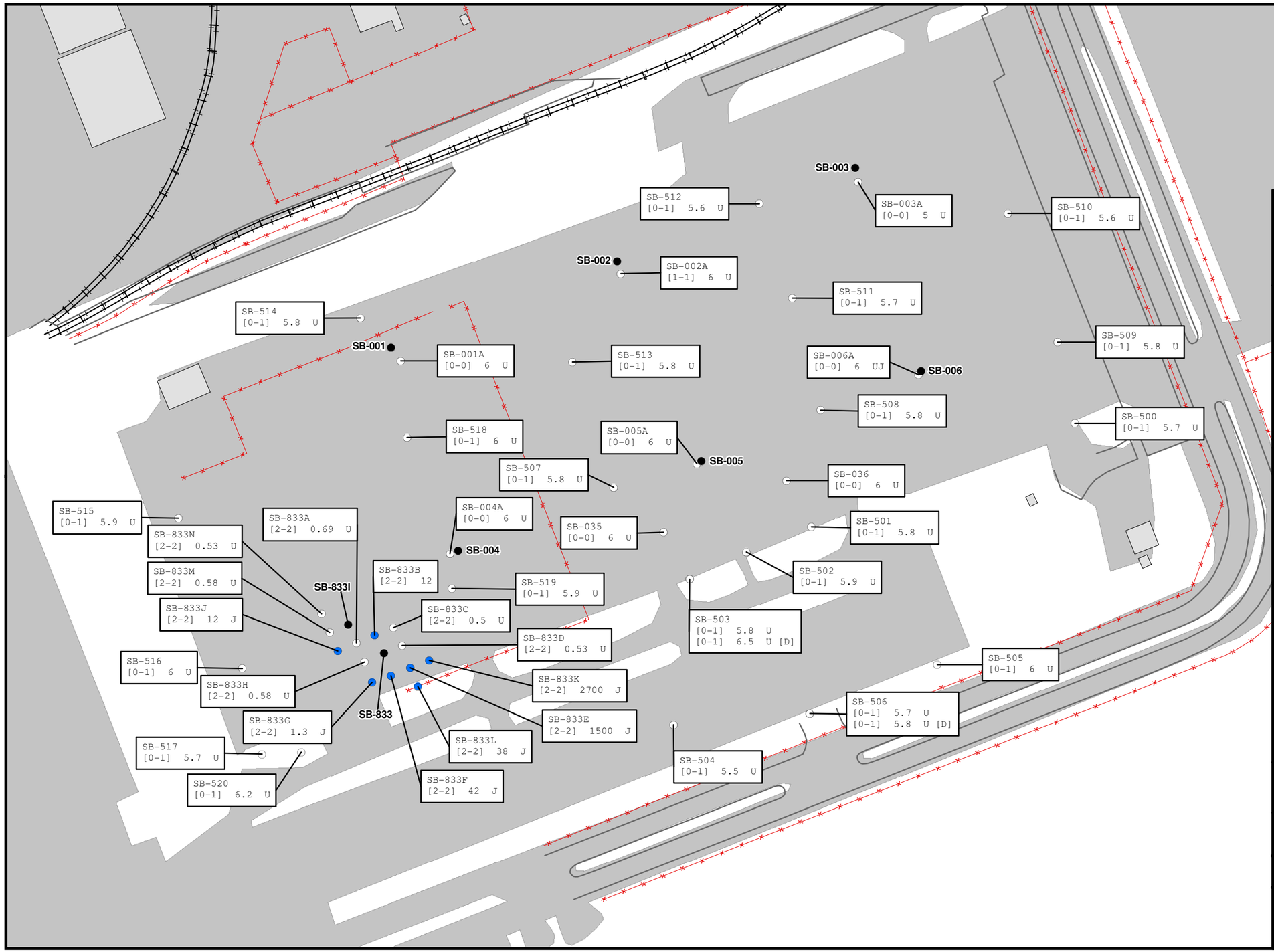


FIGURE E-1E
1,4-DICHLOROBENZENE IN SURFACE SOIL
BLOCK E

Legend

1,4-Dichlorobenzene Concentration (µg/kg)

- Not Detected
- Not Analyzed
- 27,000 or Less (No Exceedance)
- > 27,000 (MDE residential soil cleanup standard)
- > 31,000 (Residential RGO, $1x10^{-5}$)
- > 120,000 (MDE non-residential soil cleanup standard)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- J Estimated Result
- B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
- MDE Maryland Department of the Environment
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED: 03/08/11

CREATED BY: T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKE_SURFACE_14-DCB.MXD 03/08/11 TW

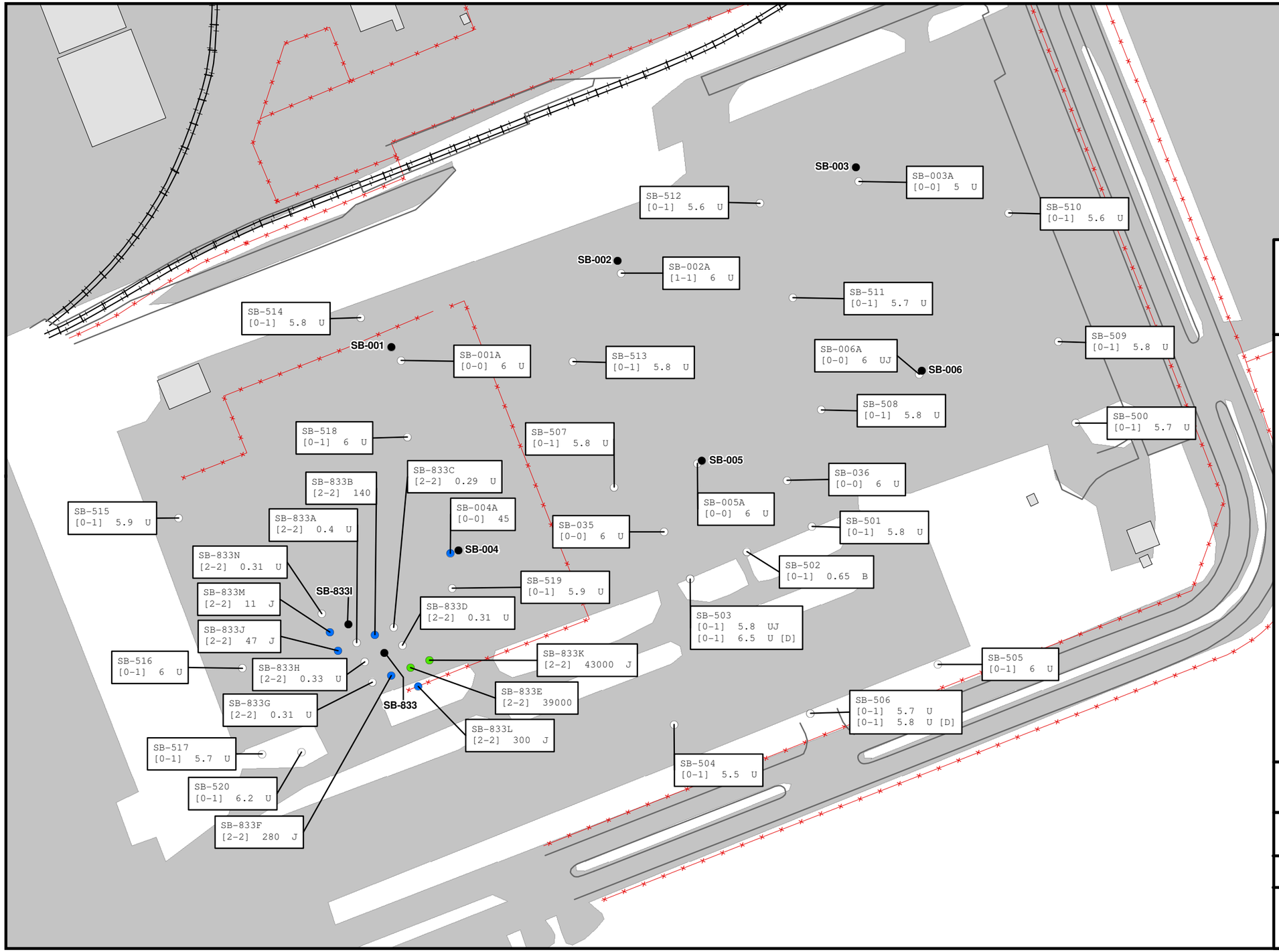


FIGURE E-1C
1,2,3-TRICHLOROBENZENE IN SURFACE SOIL
BLOCK E

Legend

1,2,3-Trichlorobenzene Concentration (µg/kg)

- Not Detected
- Not Analyzed
- 29,000 or Less (No Exceedance)
- > 29,000 (Residential RGO, HI=0.5)
- > 58,000 (Residential RGO, HI=1)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- J Estimated Result
- B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED:
03/07/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKE_SURFACE_123TCB.MXD 03/07/11 TW

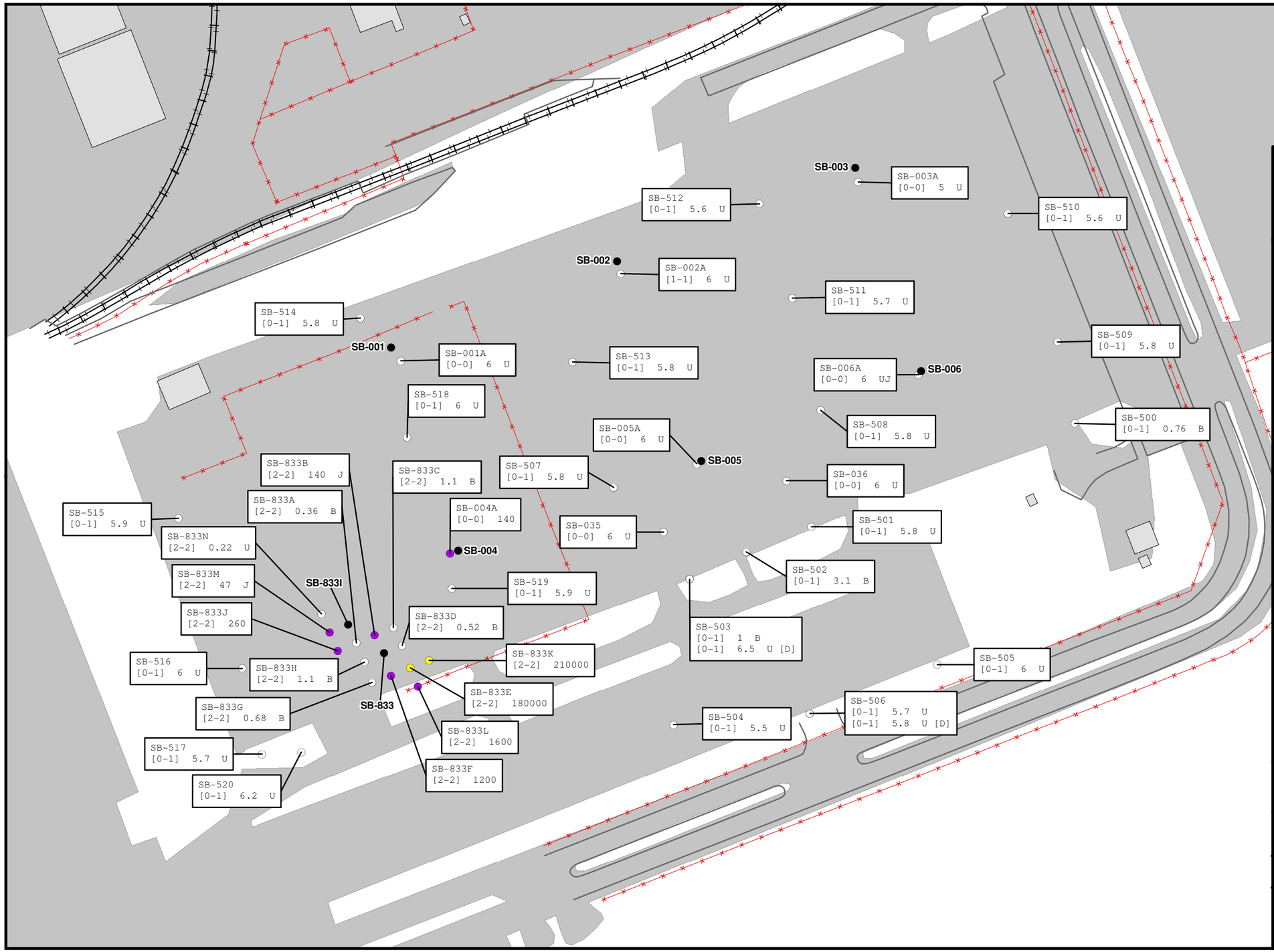


FIGURE E-1D
1,2,4-TRICHLOROBENZENE IN SURFACE SOIL
BLOCK E

Legend

1,2,4-Trichlorobenzene Concentration (µg/kg)

- Not Detected
- Not Analyzed
- 38,000 or Less (No Exceedance)
- > 38,000 (Residential RGO, HI = 0.5)
- > 78,000 (MDE residential soil cleanup standard)
- > 175,000 (Typical Industrial Worker RGO, HI = 0.5)
- > 400,000 (Commercial Receptor RGO, HI = 0.5)
- > 1,000,000 (MDE non-residential soil cleanup standard)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
J Estimated Result
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED:
03/08/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

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FIGURE E-1B

PCBs IN SURFACE SOIL
BLOCK E

Legend

PCB Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 320 or Less (No Exceedance)
- > 320 (MDE residential soil cleanup standard, 1x10 $^{-6}$)
- > 1,000 (Residential RGO, HI = 1/TSCA High Occupancy (without further conditions))
- > 1,400 (MDE non-residential soil cleanup standard, 1x10 $^{-6}$)
- > 3,100 (Commercial Receptor RGO, HI = 1)
- > 3,300 (Construction Worker RGO, HI =1)
- > 10,000 (Industrial RGO, HI = 1/TSCA High Occupancy (with appropriate cap and deed restrictions))

Road
Railroad
Fenceline
Buildings
Impervious Surface
Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

30 0 60 Feet

N

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03/07/11

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SB-003
SB-003A
[0-0] 1,2,3-TCB 5 U
1,2,4-TCB 5 U
1,4-DCB 5 U
SB-512
[0-1] 1,2,3-TCB 5.6 U
1,2,4-TCB 5.6 U
1,4-DCB 5.6 U
SB-510
[0-1] 1,2,3-TCB 5.6 U
1,2,4-TCB 5.6 U
1,4-DCB 5.6 U
SB-002
SB-002A
[1-1] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
SB-511
[0-1] 1,2,3-TCB 5.7 U
1,2,4-TCB 5.7 U
1,4-DCB 5.7 U
SB-514
[0-1] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
SB-001
SB-001A
[0-0] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
SB-513
[0-1] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
SB-509
[0-1] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
SB-006A
[0-0] 1,2,3-TCB 6 UJ
1,2,4-TCB 6 UJ
1,4-DCB 6 UJ
SB-006
SB-508
[0-1] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
SB-500
[0-1] 1,2,3-TCB 5.7 U
1,2,4-TCB 0.76 B
1,4-DCB 5.7 U
SB-518
[0-1] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
SB-005A
[0-0] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
SB-005
SB-036
[0-0] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
SB-507
[0-1] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
SB-833N
[2-2] 1,2,3-TCB 0.31 U
1,2,4-TCB 0.22 U
1,4-DCB 0.53 U
SB-004A
[0-0] 1,2,3-TCB 45
1,2,4-TCB 140
1,4-DCB 6 U
SB-035
[0-0] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
SB-501
[0-1] 1,2,3-TCB 5.8 U
1,2,4-TCB 5.8 U
1,4-DCB 5.8 U
SB-515
[0-1] 1,2,3-TCB 5.9 U
1,2,4-TCB 5.9 U
1,4-DCB 5.9 U
SB-833M
[2-2] 1,2,3-TCB 11 J
1,2,4-TCB 47 J
1,4-DCB 0.58 U
SB-833A
[2-2] 1,2,3-TCB 0.4 U
1,2,4-TCB 0.36 B
1,4-DCB 0.69 U
SB-833B
[2-2] 1,2,3-TCB 140
1,2,4-TCB 140 J
1,4-DCB 12
SB-004
SB-833C
[2-2] 1,2,3-TCB 0.29 U
1,2,4-TCB 1.1 B
1,4-DCB 0.5 U
SB-502
[0-1] 1,2,3-TCB 0.65 B
1,2,4-TCB 3.1 B
1,4-DCB 5.9 U
SB-833H
[2-2] 1,2,3-TCB 0.33 U
1,2,4-TCB 1.1 B
1,4-DCB 0.58 U
SB-519
[0-1] 1,2,3-TCB 5.9 U
1,2,4-TCB 5.9 U
1,4-DCB 5.9 U
SB-833J
[2-2] 1,2,3-TCB 47 J
1,2,4-TCB 260
1,4-DCB 12 J
SB-833D
[2-2] 1,2,3-TCB 0.31 U
1,2,4-TCB 0.52 B
1,4-DCB 0.53 U
SB-503
[0-1] 1,2,3-TCB 5.8 UJ
1,2,4-TCB 1 B
1,4-DCB 5.8 U
[0-1] 1,2,3-TCB 6.5 U [D]
1,2,4-TCB 6.5 U [D]
1,4-DCB 6.5 U [D]
SB-833I
SB-505
[0-1] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
SB-833F
[2-2] 1,2,3-TCB 280 J
1,2,4-TCB 1200
1,4-DCB 42 J
SB-833
SB-833K
[2-2] 1,2,3-TCB 43000 J
1,2,4-TCB 210000
1,4-DCB 2700 J
SB-516
[0-1] 1,2,3-TCB 6 U
1,2,4-TCB 6 U
1,4-DCB 6 U
SB-833G
[2-2] 1,2,3-TCB 0.31 U
1,2,4-TCB 0.68 B
1,4-DCB 1.3 J
SB-506
[0-1] 1,2,3-TCB 5.7 U
1,2,4-TCB 5.7 U
1,4-DCB 5.7 U
[0-1] 1,2,3-TCB 5.8 U [D]
1,2,4-TCB 5.8 U [D]
1,4-DCB 5.8 U [D]
SB-504
[0-1] 1,2,3-TCB 5.5 U
1,2,4-TCB 5.5 U
1,4-DCB 5.5 U
SB-833E
[2-2] 1,2,3-TCB 39000
1,2,4-TCB 180000
1,4-DCB 1500 J
SB-517
[0-1] 1,2,3-TCB 5.7 U
1,2,4-TCB 5.7 U
1,4-DCB 5.7 U
SB-520
[0-1] 1,2,3-TCB 6.2 U
1,2,4-TCB 6.2 U
1,4-DCB 6.2 U
SB-833L
[2-2] 1,2,3-TCB 300 J
1,2,4-TCB 1600
1,4-DCB 38 J

FIGURE E-1F

SELECT VOCs IN SURFACE SOIL BLOCK E

Legend

Select VOC Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- Location with Detected VOC Concentration
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
J Estimated Result
B Positive Result Considered an Artifact of Blank Contamination and Not Considered Present
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

25 0 50 Feet

N

DATE MODIFIED:
03/08/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKE_SURFACE_VOCs.MXD 03/08/11 TW

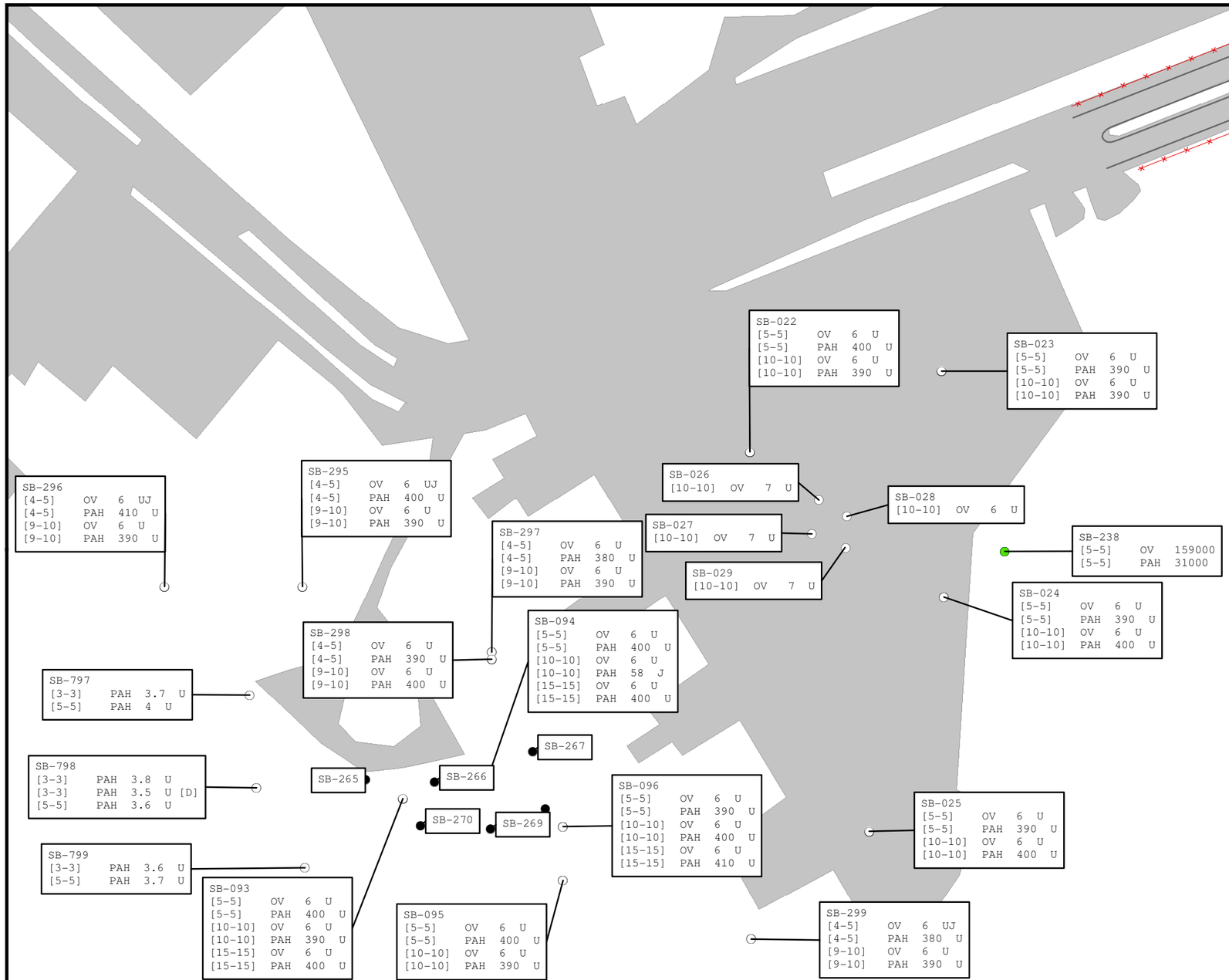


FIGURE F-2B

NAPHTHALENE IN SUBSURFACE SOIL
BLOCK F

Legend

Naphthalene Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 46,000 or Less (No Exceedance)
- > 46,000 (Residential RGO, 1x10 $^{-5}$)
- > 160,000 (MDE residential soil cleanup standard)
- > 2,000,000 (MDE non-residential soil cleanup standard)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary

[0-2] Depth Range (ft)
[D] Duplicate Sample
U Not Detected
J Estimated Result
MDE Maryland Department of the Environment
RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED:
03/09/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKF_SUBSURFACE_NAPHTHALENE.MXD 03/09/11 TW

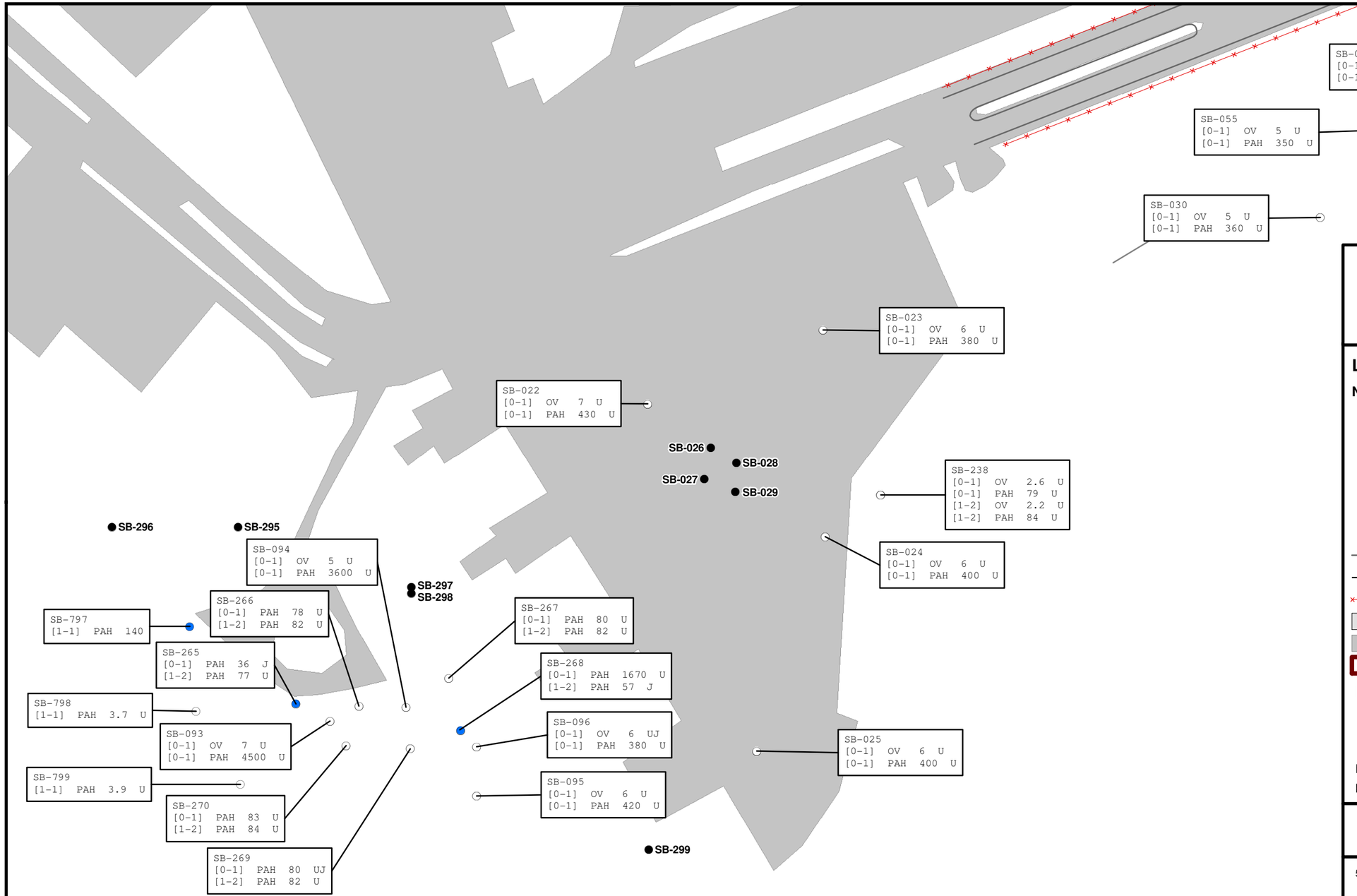


FIGURE F-1B

NAPHTHALENE IN SURFACE SOIL
BLOCK F

Legend

Naphthalene Concentrations (µg/kg)

- Not Detected
- Not Analyzed
- 46,000 or Less (No Exceedance)
- > 46,000 (Residential RGO, 1x10 $^{-5}$)
- > 160,000 (MDE residential soil cleanup standard)
- > 2,000,000 (MDE non-residential soil cleanup standard)
- Road
- Railroad
- Fenceline
- Buildings
- Impervious Surface
- Installation Boundary
- [0-2] Depth Range (ft)
- [D] Duplicate Sample
- U Not Detected
- J Estimated Result
- MDE Maryland Department of the Environment
- RGO Remedial Goal Option

Lockheed Martin Middle River Complex
Middle River, Maryland

50 0 100 Feet

N

DATE MODIFIED:
03/09/11

CREATED BY:
T. WHEATON

Tetra Tech, Inc.

PGH P:\GIS\LOCKHEED_MSA\MAPDOCS\MXD\BLOCKF_SURFACE_NAPHTHALENE.MXD 03/09/11 TW

Attachment C

TABLE 3.1.RME
EXPOSURE POINT CONCENTRATION SUMMARY
REASONABLE MAXIMUM EXPOSURE
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current
Medium: Surface Soil
Exposure Medium: Surface Soil

Exposure Point	Chemical of Potential Concern	Units	Arithmetic Mean	95% UCL (Distribution)	Maximum Concentration (Qualifier)	Exposure Point Concentration			
						Value	Units	Statistic	Rationale
Block H	Benzo(a)pyrene Equivalents	mg/kg	0.068	0.120 (AL)	0.616	0.120	mg/kg	95% KM (Chebyshev) UCL	ProUCL 5.0.00
	Antimony	mg/kg	0.455	0.712 (N)	1	0.712	mg/kg	95% KM (t) UCL	ProUCL 5.0.00
	Cadmium	mg/kg	0.122	0.187 (N)	0.5	0.187	mg/kg	95% KM (t) UCL	ProUCL 5.0.00
	Cobalt	mg/kg	5.96	8.77 (AN)	19.7	8.77	mg/kg	95% Student's-t UCL	ProUCL 5.0.00
	Mercury	mg/kg	0.071	0.124 (NP)	1.14 L	0.124	mg/kg	95% KM (BCA) UCL	ProUCL 5.0.00
	Molybdenum	mg/kg	0.331	0.429 (N)	0.55 K	0.429	mg/kg	95% KM (t) UCL	ProUCL 5.0.00
	Nickel	mg/kg	8.11	10.3 (N)	15	10.3	mg/kg	95% Student's-t UCL	ProUCL 5.0.00
	Vanadium	mg/kg	20.6	26.3 (AG)	37.9	26.3	mg/kg	95% Adjusted Gamma UCL	ProUCL 5.0.00
	Hexavalent Chromium	mg/kg	0.610	1.12 (AL)	1.535	1.12	mg/kg	95% KM (Chebyshev) UCL	ProUCL 5.0.00

AN = Approximate Normal
AL = Approximate Lognormal
AG = Approximate Gamma
N = Normal
NP = Non-parametric

TABLE 4.1.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - INDUSTRIAL WORKERS - SOIL

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Medium: Surface Soil/Subsurface Soil
Exposure Medium: Surface/Subsurface Soil

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Industrial Workers	Adult	Block H	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Intake (mg/kg/day) =
				IR-S	Ingestion Rate	50	mg/day	USEPA, 2014	
				RBA	Relative Bioavailability	Chemical Specific	unitless	USEPA, 1989	
				CF3	Conversion Factor 3	0.000001	kg/mg	--	CS x IRS x CF3 x FI x EF x ED
				FI	Fraction Ingested	1	unitless	USEPA, 2014	BW x AT
				EF	Exposure Frequency	250	days/year	USEPA, 2014	
				ED	Exposure Duration	25	years	USEPA, 2014	
				BW	Body Weight	80	kg	USEPA, 2014	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 2014	
				AT-N	Averaging Time (Non-Cancer)	9125	days	USEPA, 2014	
Dermal	Industrial Workers	Adult	Block H	CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002	Dermally Absorbed Dose (mg/kg/day) =
				CF3	Conversion Factor 3	0.000001	kg/mg	--	
				SA	Skin Surface Available for Contact	3,527	cm2	USEPA, 2014	CS x CF3 x SA x SSAF x DABS x EV x EF x ED
				SSAF	Soil to Skin Adherence Factor	0.12	mg/cm2/event	USEPA, 2014	BW x AT
				DABS	Absorption Factor	Chemical Specific	unitless	USEPA, 2004	
				EV	Events Frequency	1	events/day	USEPA, 2014	
				EF	Exposure Frequency	250	days/year	USEPA, 2014	
				ED	Exposure Duration	25	years	USEPA, 2014	
				BW	Body Weight	80	kg	USEPA, 2014	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 2014	
				AT-N	Averaging Time (Non-Cancer)	9125	days	USEPA, 2014	

Sources:

USEPA, 1989: Risk Assessment Guidance for Superfund. Vol 1: Human Health Evaluation Manual, Part A.

USEPA, 2002:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Final. EPA/540/R/99/005.

USEPA, 2014: Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors. OSWER 9200.1-120.

Unit Intake Calculations

Incidental Ingestion Intake = (IR-S x CF3 x FI x EF x ED)/(BW x AT)

Dermal Intake = (CF3 x SA x SSAF x EF x ED)/(BW x AT)

Cancer Ingestion Intake = 1.53E-07 Cancer Dermal Intake = 1.29E-06

Noncancer Ingestion Intake = 4.28E-07 Noncancer Dermal Intake = 3.62E-06

Cancer risk from ingestion = Soil concentration x Cancer Ingestion Intake x Oral Cancer Slope Factor

Cancer risk from dermal contact = Soil concentration x Cancer Dermal Intake x Absorption Factor x Dermal Cancer Slope Factor

Hazard Index from ingestion = Soil concentration x Noncancer Ingestion Intake / Oral Reference Dose

Hazard Index from dermal contact = Soil concentration x Noncancer Dermal Intake x Absorption Factor / Dermal Reference Dose

TABLE 4.2.RME

VALUES USED FOR DAILY INTAKE CALCULATIONS

REASONABLE MAXIMUM EXPOSURE - INDUSTRIAL WORKERS - SOIL TO AIR

LOCKHEED MARTIN, MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Future
Medium: Surface/Subsurface Soil
Exposure Medium: Air

Exposure Route	Receptor Population	Receptor Age	Exposure Point	Parameter Code	Parameter Definition	Value	Units	Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Industrial Workers	Adult	Block H	CA	Chemical concentration in air	Calculated	mg/m3	USEPA, 2002a	Exposure Concentration (mg/m^3) =
				CS	Chemical concentration in soil	Max or 95% UCL	mg/kg	USEPA, 2002b	
				ET	Exposure Time	8	hours/day	(1)	$\frac{CA \times ET \times EF \times ED}{AT \times 24\ hours/day}$
				EF	Exposure Frequency	250	days/year	USEPA, 2014	
				ED	Exposure Duration	25	years	USEPA, 2014	
				AT-C	Averaging Time (Cancer)	25,550	days	USEPA, 2014	$CA = (1/PEF + 1/VF) \times Cs$
				AT-N	Averaging Time (Non-Cancer)	9125	days	USEPA, 2014	
				PEF	Particulate Emission Factor	3.23E+09	m3/kg	USEPA, 2015	
				VF	Volatilization Factor	Chemical-specific	m3/kg	USEPA, 2002a	
				Q/C	Inverse of mean concentration at center of source	87.36898	g/m2-s per kg/m3	USEPA, 2015	
				Ut	Equivalent threshold of wind velocity at 7m.	11.32	m/sec	USEPA, 2015	
				Um	Mean annual wind speed	4.29	m/sec	USEPA, 2015	
				V	Fraction of vegetative cover	0.5	unitless	USEPA, 2015	
				F(x)	Function dependent of Um/Ut	0.0993	unitless	USEPA, 2015	

Notes:

1 - Length of typical work day.

Sources:

USEPA, 2002a: Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. OSWER 9355.4-24.

USEPA, 2002b:Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites. OSWER 9285.6-10, December.

USEPA, 2014: Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors. OSWER 9200.1-120.

USEPA, 2015: Regional Screening Level Internet site at http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm. Site-specific values for Philadelphia, PA.

Unit Intake Calculations

Unit Exposure Concentration = (ET x EF x ED)/(AT x 24 hours/day)

Cancer Inhalation Intake = 8.15E-02 Noncancer Inhalation Intake = 2.28E-01

Cancer risk from inhalation = Air concentration x Cancer Inhalation Intake x Inhalation Cancer Slope Factor

Hazard Index from inhalation = Air concentration x Noncancer Inhalation Intake / Inhalation Reference Dose

TABLE 5.1
NON-CANCER TOXICITY DATA -- ORAL/DERMAL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

Chemical of Potential Concern	Chronic/ Subchronic	Oral RfD		Oral Absorption Efficiency for Dermal[1]	Absorbed RfD for Dermal[2]		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfD:Target Organ(s)	
		Value	Units		Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Polycyclic Aromatic Hydrocarbons										
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals										
Antimony	Chronic	4.0E-04	mg/kg/day	0.15	6.0E-05	mg/kg/day	Blood	1000/1	IRIS	10/30/2015
Cadmium[3]	Chronic	1.0E-03	mg/kg/day	0.03	2.5E-05	mg/kg/day	Kidney	10/1	IRIS	10/30/2015
Cobalt	Chronic	3.0E-04	mg/kg/day	1	3.0E-04	mg/kg/day	Blood	NA	PPRTV	8/25/2008
Mercury[4]	Chronic	3.0E-04	mg/kg/day	0.07	2.1E-05	mg/kg/day	Autoimmune	1000/1	IRIS	10/30/2015
Molybdenum	Chronic	5.0E-03	mg/kg/day	1	5.0E-03	mg/kg/day	Gout	30/1	IRIS	10/30/2015
Nickel	Chronic	2.0E-02	mg/kg/day	0.04	8.0E-04	mg/kg/day	Body Weight	300/1	IRIS	10/30/2015
Vanadium	Chronic	5.0E-03	mg/kg/day	1	5.0E-03	mg/kg/day	Kidney	300	RSL	5/2014
Miscellaneous Parameters										
Hexavalent Chromium	Chronic	3.0E-03	mg/kg/day	0.025	7.5E-05	mg/kg/day	None Reported	300/3	IRIS	10/30/2015

Notes:
1 - U.S. EPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Interim. EPA/540/R/99/005.
2 - Adjusted dermal RfD = Oral RfD x Oral Absorption Efficiency for Dermal.
3 - Values are for cadmium - diet.
4 - Values are for mercuric chloride.

Definitions:
IRIS = Integrated Risk Information System.
NA = Not available.
RSL = USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites, June 2015.
PPRTV = Provisional Peer Reviewed Toxicity Value.

TABLE 5.2
NON-CANCER TOXICITY DATA -- INHALATION
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

Chemical of Potential Concern	Chronic/ Subchronic	Inhalation RfC		Extrapolated RfD[1]		Primary Target Organ(s)	Combined Uncertainty/Modifying Factors	RfC : Target Organ(s)	
		Value	Units	Value	Units			Source(s)	Date(s) (MM/DD/YYYY)
Polycyclic Aromatic Hydrocarbons									
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals									
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	Chronic	1.0E-05	mg/m3	2.9E-06	(mg/kg/day)	Kidney	NA	ATSDR	9/2008
Cobalt	Chronic	6.0E-06	mg/m^3	1.7E-06	(mg/kg/day)	Lungs	NA	PPRTV	8/25/2008
Mercury[2]	Chronic	3.0E-05	mg/m^3	8.6E-06	(mg/kg/day)	Autoimmune	NA	Cal EPA	11/2010
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	Chronic	9.0E-05	mg/m^3	2.6E-05	(mg/kg/day)	Body Weight	NA	ASTDR	9/2005
Vanadium	Chronic	1.0E-04	mg/m3	2.9E-05	(mg/kg/day)	Kidney	Respiratory	ATSDR	9/2012
Miscellaneous Parameters									
Hexavalent Chromium	Chronic	1.0E-04	mg/m^3	2.9E-05	(mg/kg/day)	Lungs	300/1	IRIS	10/30/2015

Notes:
1 - Extrapolated RfD = RfC *$20m^3$/day / 70 kg
2 - Value is for mercuric chloride.
Definitions:
ATSDR = Agency for Toxic Substances and Disease Registry.
Cal EPA = California Environmental Protection Agency.
IRIS = Integrated Risk Information System.
NA = Not available.

TABLE 6.1
CANCER TOXICITY DATA -- ORAL/DERMAL
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

Chemical of Potential Concern	Oral Cancer Slope Factor		Oral Absorption Efficiency for Dermal[1]	Absorbed Cancer Slope Factor for Dermal[2]		Weight of Evidence/ Cancer Guideline Description	Oral CSF	
	Value	Units		Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Polycyclic Aromatic Hydrocarbons								
Benzo(a)pyrene[3]	7.3E+00	$(mg/kg/day)^{-1}$	1	7.3E+00	$(mg/kg/day)^{-1}$	B2 / Probable human carcinogen	IRIS	10/30/2015
Metals								
Antimony	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	B1 / Probable human carcinogen	IRIS	10/30/2015
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	C / Possible human carcinogen	IRIS	10/30/2015
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters								
Hexavalent Chromium[3]	5.0E-01	$(mg/kg/day)^{-1}$	0.025	2.0E+01	$(mg/kg/day)^{-1}$	A / Known human carcinogen	NJ	4/8/2009

Notes:
1 - USEPA, 2004: Risk Assessment Guidance for Superfund (Part E, Supplemental Guidance for Dermal Risk Assessment) Interim. EPA/540/R/99/005.
2 - Adjusted cancer slope factor for dermal = Oral cancer slope factor / Oral Absorption Efficiency for Dermal.
3 - Several PAHs and hexavalent chromium are considered to act via the mutagenic mode of action. These chemicals are evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).
IRIS = Integrated Risk Information System.
NA = Not available.
NJ = New Jersey.
PPRTV = Provisional Peer Reviwed Toxicity Value.

TABLE 6.2
CANCER TOXICITY DATA -- INHALATION
BLOCK H
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

Chemical of Potential Concern	Unit Risk		Inhalation Cancer Slope Factor[1]		Weight of Evidence/ Cancer Guideline Description	Unit Risk : Inhalation CSF	
	Value	Units	Value	Units		Source(s)	Date(s) (MM/DD/YYYY)
Polycyclic Aromatic Hydrocarbons							
Benzo(a)pyrene[2]	1.1E-03	$(ug/m^3)^{-1}$	3.9E+00	$(mg/kg/day)^{-1}$	NA	Cal EPA	9/2009
Metals							
Antimony	NA	NA	NA	NA	NA	NA	NA
Cadmium	1.8E-03	$(ug/m^3)^{-1}$	6.3E+00	$(mg/kg/day)^{-1}$	B1 / Probable human carcinogen	IRIS	10/30/2015
Cobalt	9.0E-03	$(ug/m^3)^{-1}$	3.2E+01	$(mg/kg/day)^{-1}$	NA	PPRTV	8/25/2008
Mercury	NA	NA	NA	NA	C / Possible human carcinogen	IRIS	10/30/2015
Molybdenum	NA	NA	NA	NA	NA	NA	NA
Nickel	2.6E-04	$(ug/m^3)^{-1}$	9.1E-01	$(mg/kg/day)^{-1}$	NA	Cal EPA	9/2009
Vanadium	NA	NA	NA	NA	NA	NA	NA
Miscellaneous Parameters							
Hexavalent Chromium[2]	8.4E-02	$(ug/m^3)^{-1}$	2.9E+02	$(mg/kg/day)^{-1}$	A / Known human carcinogen	IRIS	10/30/2015

Notes:

1 - Inhalation CSF = Unit Risk * 70 kg / $20m^3$/day.

2 - Several PAHs and hexavalent chromium are considered to act via the mutagenic mode of action. These chemicals are evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

Definitions:

Cal EPA = California Environmental Protection Agency.

IRIS = Integrated Risk Information System.

NA = Not available.

PPRTV = Provisional Peer Reviewed Toxicity Value.

TABLE 7.1.RME
CALCULATION OF CHEMICAL CANCER RISKS AND NON-CANCER HAZARDS
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Workers
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Exposure Route	Chemical of Potential Concern	EPC		Cancer Risk Calculations					Non-Cancer Hazard Calculations				
					Value	Units	Intake/Exposure Concentration		CSF/Unit Risk		Cancer Risk	Intake/Exposure Concentration		RfD/RfC		Hazard Quotient
							Value	Units	Value	Units		Value	Units	Value	Units	
Surface Soil	Surface Soil	Block H	Ingestion	Benzo(a)pyrene Equivalents	0.12	mg/kg	1.8E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)-1	1.3E-07	5.1E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				Antimony	0.712	mg/kg	1.1E-07	(mg/kg/day)	NA	(mg/kg/day)-1	- -	3.0E-07	(mg/kg/day)	4.0E-04	(mg/kg/day)	0.0008
				Cadmium	0.187	mg/kg	2.9E-08	(mg/kg/day)	NA	(mg/kg/day)-1	- -	8.0E-08	(mg/kg/day)	1.0E-03	(mg/kg/day)	0.00008
				Cobalt	8.77	mg/kg	1.3E-06	(mg/kg/day)	NA	(mg/kg/day)-1	- -	3.8E-06	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.01
				Mercury	0.124	mg/kg	1.9E-08	(mg/kg/day)	NA	(mg/kg/day)-1	- -	5.3E-08	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.0002
				Molybdenum	0.429	mg/kg	6.6E-08	(mg/kg/day)	NA	(mg/kg/day)-1	- -	1.8E-07	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.00004
				Nickel	10.3	mg/kg	1.6E-06	(mg/kg/day)	NA	(mg/kg/day)-1	- -	4.4E-06	(mg/kg/day)	2.0E-02	(mg/kg/day)	0.0002
				Vanadium	26.3	mg/kg	4.0E-06	(mg/kg/day)	NA	(mg/kg/day)-1	- -	1.1E-05	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.002
				Hexavalent Chromium	1.12	mg/kg	1.7E-07	(mg/kg/day)	5.0E-01	(mg/kg/day)-1	8.6E-08	4.8E-07	(mg/kg/day)	3.0E-03	(mg/kg/day)	0.0002
			Exp. Route Total								2.2E-07					0.02
			Dermal	Benzo(a)pyrene Equivalents	0.12	mg/kg	2.0E-08	(mg/kg/day)	7.3E+00	(mg/kg/day)-1	1.5E-07	5.7E-08	(mg/kg/day)	NA	(mg/kg/day)	--
				Antimony	0.712	mg/kg	9.2E-09	(mg/kg/day)	NA	(mg/kg/day)-1	- -	2.6E-08	(mg/kg/day)	6.0E-05	(mg/kg/day)	0.0004
				Cadmium	0.187	mg/kg	2.4E-10	(mg/kg/day)	NA	(mg/kg/day)-1	- -	6.8E-10	(mg/kg/day)	2.5E-05	(mg/kg/day)	0.00003
				Cobalt	8.77	mg/kg	1.1E-07	(mg/kg/day)	NA	(mg/kg/day)-1	- -	3.2E-07	(mg/kg/day)	3.0E-04	(mg/kg/day)	0.001
				Mercury	0.124	mg/kg	1.6E-09	(mg/kg/day)	NA	(mg/kg/day)-1	- -	4.5E-09	(mg/kg/day)	2.1E-05	(mg/kg/day)	0.0002
				Molybdenum	0.429	mg/kg	5.6E-09	(mg/kg/day)	NA	(mg/kg/day)-1	- -	1.6E-08	(mg/kg/day)	5.0E-03	(mg/kg/day)	0.000003
				Nickel	10.3	mg/kg	1.3E-07	(mg/kg/day)	NA	(mg/kg/day)-1	- -	3.7E-07	(mg/kg/day)	8.0E-04	(mg/kg/day)	0.0005
				Vanadium	26.3	mg/kg	3.4E-07	(mg/kg/day)	NA	(mg/kg/day)-1	- -	9.5E-07	(mg/kg/day)	1.3E-04	(mg/kg/day)	0.007
				Hexavalent Chromium	1.12	mg/kg	1.4E-08	(mg/kg/day)	2.0E+01	(mg/kg/day)-1	2.9E-07	4.1E-08	(mg/kg/day)	7.5E-05	(mg/kg/day)	0.0005
			Exp. Route Total								4.4E-07					0.01
		Exposure Point Total									6.6E-07					0.03
	Exposure Medium Total										6.6E-07					0.03
	Air	Block H	Inhalation	Benzo(a)pyrene Equivalents	3.6E-11	mg/m3	3.0E-12	(mg/m3)	1.1E-03	(ug/m3)-1	3.3E-12	8.3E-12	(mg/m3)	NA	(mg/m3)	--
				Antimony	2.2E-10	mg/m3	1.8E-11	(mg/m3)	NA	(ug/m3)-1	- -	4.9E-11	(mg/m3)	NA	(mg/m3)	--
				Cadmium	5.7E-11	mg/m3	4.6E-12	(mg/m3)	1.8E-03	(ug/m3)-1	8.3E-12	1.3E-11	(mg/m3)	1.0E-05	(mg/m3)	0.000001
				Cobalt	2.7E-09	mg/m3	2.2E-10	(mg/m3)	9.0E-03	(ug/m3)-1	2.0E-09	6.1E-10	(mg/m3)	6.0E-06	(mg/m3)	0.0001
				Mercury	3.8E-11	mg/m3	3.1E-12	(mg/m3)	NA	(ug/m3)-1	- -	8.6E-12	(mg/m3)	3.0E-04	(mg/m3)	2.9E-8
				Molybdenum	1.3E-10	mg/m3	1.1E-11	(mg/m3)	NA	(ug/m3)-1	- -	3.0E-11	(mg/m3)	NA	(mg/m3)	--
				Nickel	3.1E-09	mg/m3	2.6E-10	(mg/m3)	2.6E-04	(ug/m3)-1	6.6E-11	7.1E-10	(mg/m3)	9.0E-05	(mg/m3)	0.000008
				Vanadium	8.0E-09	mg/m3	6.5E-10	(mg/m3)	NA	(ug/m3)-1	- -	1.8E-09	(mg/m3)	1.0E-04	(mg/m3)	0.00002
				Hexavalent Chromium	3.4E-10	mg/m3	2.8E-11	(mg/m3)	8.4E-02	(ug/m3)-1	2.3E-09	7.8E-11	(mg/m3)	1.0E-04	(mg/m3)	7.8E-7
			Exp. Route Total								4.4E-09					0.0001
		Exposure Point Total									4.4E-09					0.0001
	Exposure Medium Total										4.4E-09					0.0001
Medium Total											6.6E-07					0.03
										Total of Receptor Risks Across All Media	6.6E-07			Total of Receptor Hazards Across All Media		0.03

Notes:

1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

TABLE 9.1.RME
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs
REASONABLE MAXIMUM EXPOSURES
LOCKHEED MARTIN, MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND

Scenario Timeframe: Current/Future
Receptor Population: Industrial Workers
Receptor Age: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Surface Soil	Surface Soil	Block H	Benzo(a)pyrene Equivalents	1E-07	--	1E-07	--	3E-07	NA	--	--	--	--
			Antimony	- -	--	- -	--	- -	Hematologic	0.0008	--	0.0004	0.001
			Cadmium	- -	--	- -	--	- -	Urinary	0.00008	--	0.00003	0.0001
			Cobalt	- -	--	- -	--	- -	Thyroid	0.01	--	0.001	0.01
			Mercury	- -	--	- -	--	- -	Immune, Urinary	0.0002	--	0.0002	0.0004
			Molybdenum	- -	--	- -	--	- -	Urinary	0.00004	--	0.000003	0.00004
			Nickel	- -	--	- -	--	- -	Body Weight	0.0002	--	0.0005	0.0007
			Vanadium	- -	--	- -	--	- -	Kidney	0.002	--	0.007	0.010
			Hexavalent Chromium	9E-08	--	3E-07	--	4E-07	None Specified	0.0002	--	0.0005	0.0007
			Chemical Total	2E-07	--	4E-07	--	7E-07		0.02	--	0.01	0.03
		Exposure Point Total						7E-07					0.03
	Exposure Medium Total							7E-07					0.03
	Air	Block H	Benzo(a)pyrene Equivalents	--	3E-12	--	--	3E-12	NA	--	--	--	--
			Antimony	--	- -	--	--	- -	NA	--	--	--	--
			Cadmium	--	8E-12	--	--	8E-12	Kidney	--	0.000001	--	0.000001
			Cobalt	--	2E-09	--	--	2E-09	Respiratory	--	0.0001	--	0.0001
			Mercury	--	- -	--	--	- -	Respiratory, Kidney, Nervous System	--	3E-8	--	3E-8
			Molybdenum	--	- -	--	--	- -	NA	--	--	--	--
			Nickel	--	7E-11	--	--	7E-11	Respiratory	--	0.000008	--	0.000008
			Vanadium	--	- -	--	--	- -	Respiratory	--	0.00002	--	0.00002
			Hexavalent Chromium	--	2E-09	--	--	2E-09	Respiratory	--	0.0000008	--	0.0000008
			Chemical Total	--	4E-09	--	--	4E-09		- -	0.0001	- -	0.0001
		Exposure Point Total						4E-09					0.0001
	Exposure Medium Total							4E-09					0.0001
Medium Total								7E-07					0.03
Receptor Total							Receptor Risk Total	7E-07				Receptor HI Total	0.03

Notes:
1 - Mutagenic chemicals were evaluated in accordance with USEPA's Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens (2005).

Attachment D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

FEB - 6 2014

OFFICE OF
SOLID WASTE AND
EMERGENCY RESPONSE

OSWER Directive 9200.1-120

MEMORANDUM

SUBJECT: Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors

FROM: Dana Stalcup, Acting Director
Assessment and Remediation Division
Office of Superfund Remediation and Technology Innovation

TO: Superfund National Policy Managers, Regions 1 - 10

Purpose

The mission of the Superfund program is to protect human health and the environment consistent with the Comprehensive Environmental Response, Compensation and Liability Act, as amended, (CERCLA) and as implemented by the National Oil and Hazardous Substances Pollution Contingency Plan. The purpose of this directive is to update the Interim Final Standard Exposure Factors Guidance (1991), which is reflected in the attached table and is to be used:

- in the CERCLA remedial investigation and feasibility study process (e.g., assessing baseline health risks, developing preliminary remediation goals, evaluating risks of remedial alternatives),
- to evaluate health risks in the CERCLA removal program, and
- in the process of five-year reviews of selected remedies.

This guidance update supplements the *Risk Assessment Guidance for Superfund: Human Health Evaluation Manual, Part A* (RAGS, Part A) that was issued October 13, 1989. This guidance supersedes and replaces certain portions of OSWER Directive 9285.6-03, issued March 25, 1991 and updates the *Risk Assessment Guidance for Superfund, Part E,* issued July 2004 (RAGS, Part E). Other cleanup programs in the Office of Solid Waste and Emergency Response (OSWER) are welcome and encouraged to adopt the recommended exposure factors, much as they have historically adopted other aspects of the *Risk Assessment Guidance for Superfund* (RAGS).

Background

In September 2011, EPA's National Center for Environmental Assessment, Office of Research and Development (ORD/NCEA) issued a substantive update to its exposure assessment recommendations. *Exposure Factors Handbook – 2011 Edition*, referred to as EFH 2011 herein, provides information and recommendations on various physiological and behavioral factors commonly used in assessing exposure of adults and children to environmental chemicals. ORD/NCEA's recommended values for exposure factors are based on the results of studies deemed to be the most up-to-date and scientifically sound, based upon data available up to July 2011, and incorporates revisions made to the *Child-Specific Exposure Factors Handbook*, which was last updated and published in 2008. EFH 2011 is not a Superfund-specific document; rather, it provides a summary of the latest developments in exposure science and provides recommendations for a broad range of EPA programs.

Following the publication of EFH 2011, regional risk assessors received inquiries from other EPA program offices, states, the regulated community, and other interested parties regarding the applicability of the ORD/NCEA's recommendations for use in human health risk assessments. During the October 2011 to August 2012 period, the OSWER Human Health Regional Risk Assessors Forum (OHHRRAF) reviewed the recommendations in EFH 2011 in the context of the default exposure factors used in the Superfund program and to derive Regional screening levels. As a result of a consensus-driven process, the OHHRRAF identified several Superfund-specific default exposure factors that warranted updating, based upon recommendations from ORD/NCEA in EFH 2011. This guidance incorporates and adopts the updates recommended by the OHHRRAF.

Objective

This guidance has been developed to reduce variability and uncertainty in the exposure assumptions used by Regional Superfund staff to characterize exposures to human populations for human health risk assessments.

Implementation

This guidance supplements the *Risk Assessment Guidance for Superfund: Human Health Evaluation Manual* (RAGS), Part A through E. Where numerical values differ from those presented in Part A or E, the factors presented in this guidance should be considered updates to the older values. As new data become available, this Directive may be modified accordingly.

This report can be found at www.epa.gov/oswer/riskassessment/superfund_hh_exposure.htm Please contact Richard Kapuscinski at (703) 305-7411 if you have questions or concerns.

Attachment

cc: Mathy Stanislaus, OSWER
Barry Breen, OSWER
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John Michaud, OGC/SEWRLO
OSRTI Managers
Regional Superfund Branch Chiefs, Regions 1 – 10
Lisa Price, Superfund Lead Region Coordinator, Region 6
OSWER/OSRTI Human Health Regional Risk Assessors Forum

CITATIONS

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Attachment 1. Recommended Default Exposure Factors (2014)

Symbol	Definition (units)	Previous Default Value	Currently Recommended Value	Source of current recommendation	Source of previous recommendation
Ingestion and Dermal Contact Rates					
IRW_c	Resident Drinking Water Ingestion Rate - Child (L/day)	1	0.78	U.S. EPA 2011a, Tables 3-15 and 3-33; weighted average of 90th percentile consumer-only ingestion of drinking water (birth to <6 years)	U.S. EPA 1989 (Exhibit 6-11)
IRW_a	Resident Drinking Water Ingestion Rate - Adult (L/day)	2	2.5	U.S. EPA 2011a, Table 3-33; 90th percentile of consumer-only ingestion of drinking water (≥ 21 years)	U.S. EPA 1989 (Exhibit 6-11)
IRS_c	Resident Soil Ingestion Rate - Child (mg/day)	200	200	U.S. EPA 2011a (Table 5-1); "upper-bound values" accounting for both soil and dust ingestion	U.S. EPA 1991a (pg. 15)
IRS_a	Resident Soil Ingestion Rate - Adult (mg/day)	100	100	U.S. EPA 1991a (pp. 6 and 15); EFH 2011 only provides a central tendency value	U.S. EPA 1991a (pg. 15)
IR_{iw}	Indoor Worker Soil Ingestion Rate (mg/day)	50	50	U.S. EPA 1991a (pp. 9-10, 15); EFH 2011 values not provided	U.S. EPA 1991a (pg. 15)
IR_{ow}	Outdoor Worker Soil Ingestion Rate (mg/day)	100	100	U.S. EPA 1991a (pg. 15), same as adult resident; EFH 2011 value not provided	U.S. EPA 1991a (pg. 15)
SA_c	Resident skin surface area - child (cm^2)	2,800	2,373	U.S. EPA 2011a, Tables 7-2 and 7-8; weighted average of mean values for head, hands, forearms, lower legs, and feet (male and female, birth to < 6 years)(forearm and lower leg-specific data used when available, ratios for nearest available age group used elsewhere (per EPA 2011b))	U.S. EPA 2002 (Exhibit 1-2)
SA_a	Resident skin surface area - adult (cm^2)	5,700	6,032	U.S. EPA 2011a, Tables 7-2 and 7-12; weighted average of mean values for head, hands, forearms, and lower legs (male and female, 21+ years)(forearm and lower leg-specific data used for males and female lower leg; ratio of male forearm to arm applied to female arm data)	U.S. EPA 2002 (Exhibit 1-2)
SA_{ow}	Worker skin surface area - adult (cm^2)	3,300	3,527	US EPA 2011a, Table 7-2; weighted average of mean values for head, hands, and forearms (male and female, 21+years) (similar assumptions for forearms as used in EPA 2011b)	U.S. EPA 2002 (Exhibit 1-2)
SA_c	Resident Water Surface area - child (cm^2)	6,600	6,378	U.S. EPA 2011a, Table 7.10; weighted average of mean values for children <6 years.	U.S. EPA 2004 (Exhibit 3-2)
SA_a	Resident Water Surface area - adult (cm^2)	18,000	20,900	U.S. EPA 2011a, Table 7.10; weighted average of mean values for adults, male and female 21+.	U.S. EPA 2004 (Exhibit 3-2)
AF_c	Resident soil adherence factor - child (mg/cm^2)	0.2	0.2	U.S. EPA 2004 (Exhibit 3-5), RAGS Part E	U.S. EPA 2002 (Exhibit 1-2)
AF_a	Resident soil adherence factor - adult (mg/cm^2)	0.07	0.07	U.S. EPA 2004 (Exhibit 3-5), RAGS Part E	U.S. EPA 2002 (Exhibit 1-2)
AF_{ow}	Worker soil adherence factor - adult (mg/cm^2)	0.2	0.12	U.S. EPA 2011a, Table 7-20 and Section 7.2.2; arithmetic mean of weighted average of body part-specific (hands, forearms, and face) mean adherence factors for adult commercial/industrial activities	U.S. EPA 2002 (Exhibit 1-2)
BW_c	Resident Body Weight - child (kg)	15	15	U.S. EPA 2011a, Table 8-1; weighted average of mean body weights (birth to <6 years)	U.S. EPA 1991a (pg. 15)

Attachment 1. Recommended Default Exposure Factors (2014)

Symbol	Definition (units)	Previous Default Value	Currently Recommended Value	Source of current recommendation	Source of previous recommendation
BW_a	Resident Body Weight - adult (kg)	70	80	U.S. EPA 2011a, Table 8-3; weighted mean values for adults 21 – 78	U.S. EPA 1991a (pg. 15)
Bw_w	Worker Body Weight (kg)	70	80	U.S. EPA 2011a, Table 8-3; weighted mean values for adults 21 – 78	U.S. EPA 1991a (pg. 15)
Exposure Frequency, Exposure Duration, and Exposure Time Variables					
EF_r	Resident Exposure Frequency (days/yr)	350	350	U.S. EPA 1991a (pg. 15); value not provided in EFH 2011	U.S. EPA 1991a (pg. 15)
EF_w	Worker Exposure Frequency (days/yr)	250	250	U.S. EPA 1991a (pg. 15); value not provided in EFH 2011	U.S. EPA 1991a (pg. 15)
EF_{iw}	Indoor Worker Exposure Frequency (days/yr)	250	250	U.S. EPA 1991a (pg. 15); value not provided in EFH 2011	U.S. EPA 1991a (pg. 15)
EF_{ow}	Outdoor Worker Exposure Frequency (days/yr)	225	225	U.S. EPA 2002; value not provided in EFH 2011	U.S. EPA 1991a (pg. 15)
ED_r	Resident Exposure Duration (yr)	30	26	EPA 2011a, Table 16-108; 90th percentile for current residence time.	U.S. EPA 1991a (pg. 15)
ED_c	Resident Exposure Duration - child (yr)	6	6	U.S. EPA 1991a, Pages 6 and 15	U.S. EPA 1991a (pg. 15)
ED_a	Resident Exposure Duration - adult (yr)	24	20	EDr (26 years) - EDc (6 years)	U.S. EPA 1991a (pg. 15)
ED_w	Worker Exposure Duration - (yr)	25	25	U.S. EPA 1991a (pg. 15); EFH 2011 only provides a central tendency value	U.S. EPA 1991a (pg. 15)
ED_{iw}	Indoor Worker Exposure Duration - (yr)	25	25	U.S. EPA 1991a (pg. 15); EFH 2011 only provides a central tendency value	U.S. EPA 1991a (pg. 15)
ED_{ow}	Outdoor Worker Exposure Duration (yr)	25	25	U.S. EPA 1991a (pg. 15); EFH 2011 only provides a central tendency value	U.S. EPA 1991a (pg. 15)
ET_{ra}	Resident Air Exposure Time (hours/day)	24	24	The whole day	The whole day
ET_{rs}	Resident Soil Exposure Time (hours/day)	24	24	The whole day	The whole day
ET_w	Worker Air Exposure Time (hr/hr)	8	8	The work day	The work day
ET_{ws}	Worker Soil Exposure Time (hours/day)	8	8	The work day	The work day
ET_{rw}	Resident Water Exposure Time (hours/day)	24	24	The whole day	The whole day
ET_{rwc}	Resident Water Exposure Time - child (hours/event)	1	0.54	U.S. EPA 2011a, Table 16-28; weighted average of 90th percentile time spent bathing (birth to <6 years)	U.S. EPA 2004
ET_{rwa}	Resident Water Exposure Time - adult (hours/event)	0.58	0.71	U.S. EPA 2011a, Tables 16-30 and 16-31; weighted average of adult (21 to 78) 90th percentile of time spent bathing/ showering in a day, divided by mean number of baths/showers taken in a day.	U.S. EPA 2004
Miscellaneous Variables; values not provided in EFH 2011					

Attachment 1. Recommended Default Exposure Factors (2014)

Symbol	Definition (units)	Previous Default Value	Currently Recommended Value	Source of current recommendation	Source of previous recommendation
AT_r	Averaging time - resident (days/year)	365	365	U.S. EPA 1989 (pg. 6-23)	U.S. EPA 1989 (pg. 6-23)
AT_w	Averaging time - composite worker (days/year)	365	365	U.S. EPA 1989 (pg. 6-23)	U.S. EPA 1989 (pg. 6-23)
AT_{iw}	Averaging time - indoor worker (days/year)	365	365	U.S. EPA 1989 (pg. 6-23)	U.S. EPA 1989 (pg. 6-23)
AT_{ow}	Averaging time - outdoor worker (days/year)	365	365	U.S. EPA 1989 (pg. 6-23)	U.S. EPA 1989 (pg. 6-23)
LT	Lifetime (years)	70	70	U.S. EPA 1989 (pg. 6-22), pending additional input from NCEA	U.S. EPA 1989 (pg. 6-22)
IR_{fish}	Fish Ingestion Rate (mg/day)	5.4×10^4	**	Recommend using site-specific values	U.S. EPA 1991a (pg. 15)
$IR_{produce}$	Consumption of homegrown produce (g/day)	42 (fruit); 80 (veg)	**	Recommend using site-specific values	U.S. EPA 1990

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EPA. 2011b. "Regional Screening Levels (Formerly PRGs), User's Guide." November. On-Line Address: http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/usersguide.htm

Footnote: Users are directed to the *Exposure Factors Handbook* (2011) as a source for specific age-group exposure factors as described in EPA, 2005.

APPENDIX H—BACKFILL AND COMPACTION DOCUMENTATION

HILLIS-CARNES ENGINEERING ASSOCIATES, INC

NUCLEAR COMPACTION TEST DATA

Project Name: Middle River Ground Water Remediation

Job No:: 13319A

Date: 05/27/15

Taken By: Leroy Marshall

TEST NUMBER	1	2								
LOCATION	Tax Block H	Tax Block H								
OFFSET	Excavation A	Excavation B								
ELEVATION	SG	SG								
DEPTH										
DENSITY CT.										
WET DENSITY	147.9	151.6								
MOISTURE CT.										
MOISTURE PCF										
DRY DENSITY	142.21	145.77								
% MOISTURE	4	4								
MAX DENSITY	144.35	144.35								
OPT MOISTURE										
% COMPACTION	98.5	101								
MSTRE. CORR.										

ONE POINT PROCTOR VERIFICATION

1. WT. OF MOLD PLUS SOIL				
2. WEIGHT OF MOLD				
3. WT. OF WET SOIL IN MOLD(LINE 1 - LINE 2)	0	0	0	0
4. DENSITY OF SOIL IN MOLD(LINE 3 X 30)	0	0	0	0
5. DRY DENSITY OF SOIL IN MOLD LINE 4/(100 + LINE 12) X 100	0	0	0	0
6. MAXIMUM DRY DENSITY				

MOISTURE DETERMINATION

7. WEIGHT OF PAN				
8. WT. WET SOIL & PAN				
9. WT. DRY SOIL & PAN				
10. WT. OF MOISTURE (LINE 8 - LINE 9)	0	0	0	0
11. WT. OF DRY SOIL - PAN (LINE 9 - LINE 7)	0	0	0	0
12. % MOISTURE (LINE 10 /LINE 11) X 100	0	0	0	0

GAUGE NUMBER:

DENSITY COUNT:

MOISTURE COUNT:

REMARKS:

CR-6 Supplied by Camz
Maximum Dry Density 144.35
Optimum Moisture 4.0

V3.0

BLUEGRASS
MATERIALS COMPANY

Maryland Market Area
Quality Control Laboratory

August 20, 2014

Camz
Attn: Bill

RE: Preserve @ Windlass Project

Gentlemen:

This is to certify that the brown CR-6 dolomitic marble Crusher Run, as produced at our Texas, Maryland Quarry, meets the specifications of the 2001 Maryland State Highway Administration, Section 901.01 and ASTM 2008 Book of Standards, volume 04.03 D2940-98 Graded Aggregate Material for Bases and Subbases for Highways or Airports. This material also meets the Baltimore County 2000 Specification for Crusher Run Aggregate Table 901A test method T 27 and the City of Baltimore requirements for this type material.

This material is free of hazardous contaminants and is a naturally occurring product of nature containing crushed dolomitic marble. No controlled hazardous substances or oil is used in the extraction, production, or loading processes. Therefore, to the best of my knowledge, the CR-6 material from the Texas, Maryland facility has not been contaminated by controlled hazardous substance or petroleum products.

CR-6 CRUSHER RUN

SIEVE SIZE	AVERAGE GRADATION	CR-6 Specs.
2"	100.0	100
1 1/2"	100.0	90-100
1"	92.0	
3/4"	82.0	60-90
1/2"	68.0	
3/8"	61.0	
¼	53.0*	
#4	49.0	30-60
#8	43.0	
#10	40.0*	
#16	38.0	
#30	32.0	
#40	26.0*	
#50	22.0	
#100	14.0	
#200(wet)	8.5	0-15

*Estimated from Mineral Aggregate Gradation Curve

10,000 Beaver Dam Road - Cockeysville Maryland 21030
Phone: 443-506-0535
Email: MMcgarity@bluegrassmaterials.com

BLUEGRASS
MATERIALS COMPANY

Maryland Market Area
Quality Control Laboratory

Maximum Dry Density
(T-180 Method D) - 144.35 pcf
2.00 ton/cy
Optimum Moisture Content - 4.0%
Sodium Sulfate Soundness - 2.6% loss (AASHTO T104)
Liquid Limit - 19 (AASHTO T89)
Plasticity Index - Non-Plastic (AASHTO T90)
Absorption (1 1/2"-#4) - 0.5%

This material complies with other specifications as set forth in the ASTM and Maryland State Highway Administration requirements, regarding deleterious substances, abrasion and soundness. The information provided in this certification is to be used as a guide line. The material is subject to change due to the nature and geological formation of the quarry.

Sincerely,

Lynn McGarity

Lynn McGarity (Parry)
Quality Control Manager - Aggregates
Maryland Market Area

10,000 Beaver Dam Road - Cockeysville Maryland 21030
Phone: 443-506-0535
Email: MMcgarity@bluegrassmaterials.com

SELECT BORROW

MOISTURE DENSITY RELATIONSHIP TEST REPORT
ASTM D 1557-07 Method B Modified

Project No.: 01632x1 **Date:**

Project: Honeygo Run Reclamation Center

Client: Honeygo Run Reclamation Center, LLC

Source of Sample: PO# 4659589

Sample Number: Select Backfill

Remarks:

MATERIAL DESCRIPTION

Description: Silty SAND

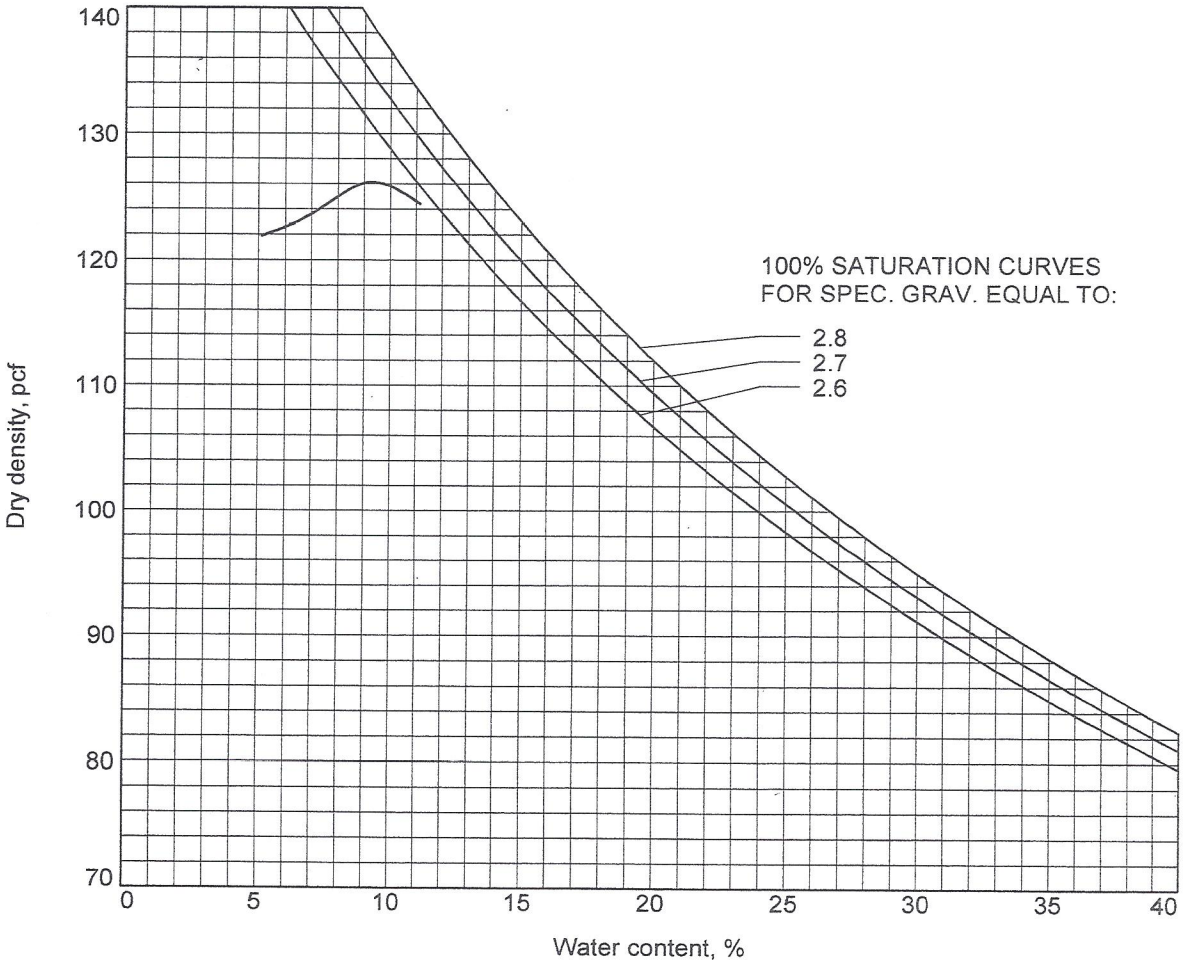
Classifications - **USCS:** SM **AASHTO:** A-2-4(0)

Nat. Moist. = 7.3 % **Sp.G. =** 2.75

Liquid Limit = NP **Plasticity Index =** NP

% < No.200 = 27.5 %

TEST RESULTS
Maximum dry density = 126.1 pcf
Optimum moisture = 9.3 %

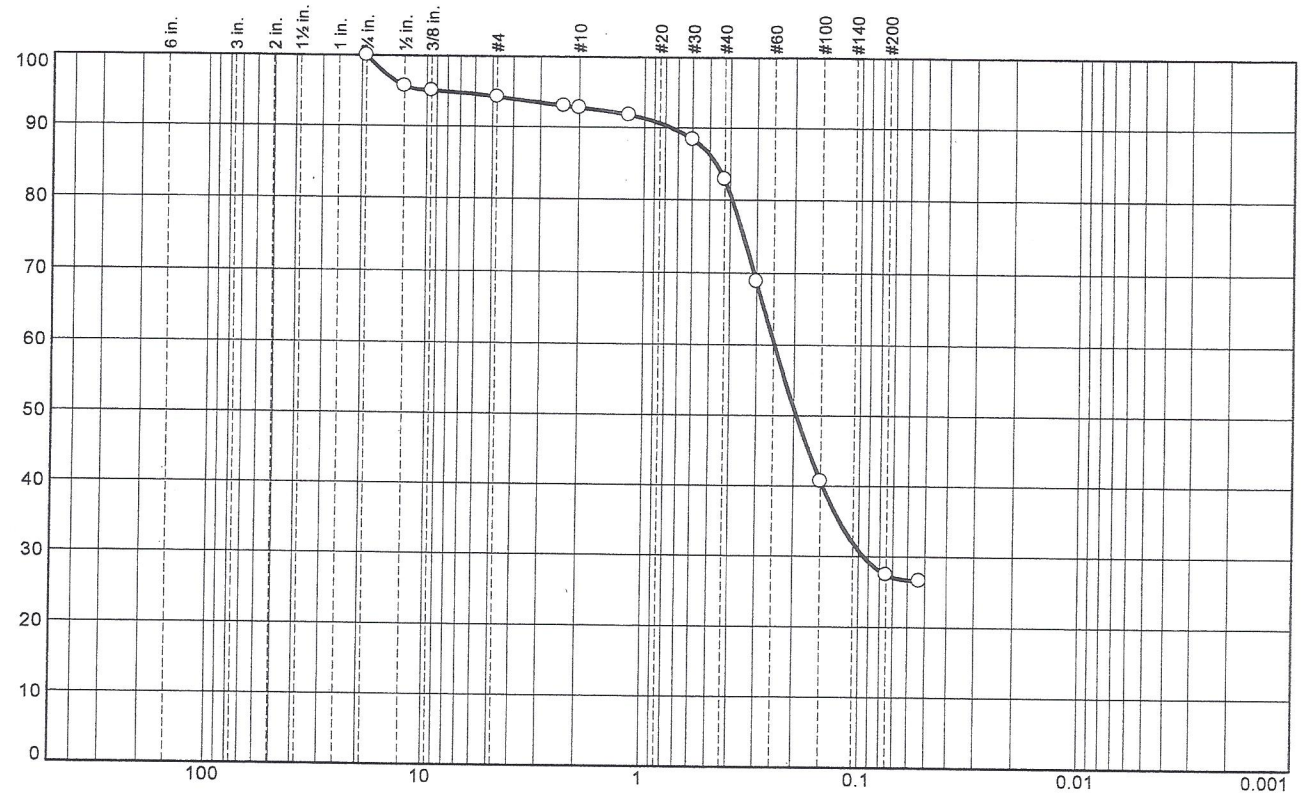


ASTM Specifications performed may include: D421, D422, D2216, D2217, and D4318.

Geo-Technology Associates, Inc.

Tested By: J. Watkins **Checked By:** T. Wirth

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	5.8	1.5	9.8	55.4	27.5	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75	100.0		
.5	95.6		
.375	95.0		
#4	94.2		
#8	93.0		
#10	92.7		
#16	91.8		
#30	88.4		
#40	82.9		
#50	68.9		
#100	40.7		
#200	27.5		
#270	26.6		

* (no specification provided)

Soil Description

Silty SAND

Atterberg Limits

PL= NP LL= NP PI= NP NM= 7.3

Coefficients

D_{90}= 0.7506 D_{85}= 0.4639 D_{60}= 0.2464
D_{50}= 0.1943 D_{30}= 0.0949 D_{15}=
D_{10}= C_u= C_c=

Classification

USCS= SM AASHTO= A-2-4(0)

Remarks

Source of Sample: PO# 4659589
Sample Number: Select Backfill

Date: 11/6/14

ASTM Specifications performed may include: D421, D422, D2216, D2217, and D4318.

GEO-TECHNOLOGY ASSOCIATES, INC.
3445-A Box Hill Corporate Center Drive
Abingdon, MD 21009

Client: Honeygo Run Reclamation Center, LLC
Project: Honeygo Run Reclamation Center
Project No: 01632x1

Tested By: J. Watkins **Checked By:** T. Wirth

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-49010-1

Job Description: MRC-Middle River

For:
Tetra Tech, Inc.
20251 Century Blvd
Suite 200
Germantown, MD 20874

Attention: Tony Apanavage



Approved for release.
John McFadden
Project Manager I
4/14/2015 3:31 PM

John McFadden, Project Manager I
4101 Shuffel Street NW, North Canton, OH, 44720
john.mcfadden@testamericainc.com
04/14/2015

cc: Samantha Brenner
Ms. Kelly Carper
Tobrena Sedlmyer

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

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CASE NARRATIVE

Client: Tetra Tech, Inc.

Project: MRC-Middle River

Report Number: 240-49010-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

The Bulk Asbestos analysis was performed at the EMLab P&K Denver laboratory.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 4/7/2015 9:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9º C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Sample TB-040615 (240-49010-2) was analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The sample was analyzed on 04/09/2015.

Methylene Chloride and Naphthalene were detected in method blank MB 240-175483/8 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Acetone was detected in method blank MB 240-175730/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Sample FILL-001 (240-49010-1) was analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The sample was prepared and analyzed on 04/08/2015.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Sample FILL-001 (240-49010-1) was analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The sample was prepared on 04/08/2015 and analyzed on 04/10/2015.

Bis(2-ethylhexyl) phthalate was detected in method blank MB 240-175545/18-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GASOLINE RANGE ORGANICS

Sample FILL-001 (240-49010-1) was analyzed for gasoline range organics in accordance with EPA SW-846 Method 8015C - GRO. The sample was prepared on 04/08/2015 and analyzed on 04/09/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIESEL RANGE ORGANICS (DRO)

Sample FILL-001 (240-49010-1) was analyzed for diesel range organics (DRO) in accordance with EPA SW-846 Method 8015C - DRO. The sample was prepared on 04/08/2015 and analyzed on 04/10/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample FILL-001 (240-49010-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The sample was prepared on 04/08/2015 and analyzed on 04/10/2015.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICP)

Sample FILL-001 (240-49010-1) was analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010C. The sample was prepared on 04/08/2015 and analyzed on 04/09/2015 and 04/10/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Sample FILL-001 (240-49010-1) was analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The sample was prepared on 04/08/2015 and analyzed on 04/09/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS

Sample FILL-001 (240-49010-1) was analyzed for percent solids in accordance with EPA Method 160.3 MOD. The sample was analyzed on 04/07/2015.

Percent Moisture exceeded the RPD limit for the duplicate of sample FILL-001DU (240-49010-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 173591

Lab Sample ID: STD5 240-173591/2 IC Client Sample ID:

Date Analyzed: 03/25/15 09:23 Lab File ID: 50325002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	3.25	Poor Chromatography	ulmanm	03/25/15 10:14
Benzaldehyde	6.08	Poor Chromatography	ulmanm	03/25/15 10:14
Benzoic acid	7.29	Poor Chromatography	ulmanm	03/25/15 10:14
4-Chloroaniline	7.63	Poor Chromatography	ulmanm	03/25/15 10:14
Benzo[k]fluoranthene	14.03	Poor Chromatography	ulmanm	03/25/15 10:14

Lab Sample ID: STD4 240-173591/3 IC Client Sample ID:

Date Analyzed: 03/25/15 09:48 Lab File ID: 50325003.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	3.26	Poor Chromatography	ulmanm	03/25/15 10:15
N-Nitrosodimethylamine	3.72	Poor Chromatography	ulmanm	03/25/15 10:15
Benzoic acid	7.28	Poor Chromatography	ulmanm	03/25/15 10:19

Lab Sample ID: STD3 240-173591/4 IC Client Sample ID:

Date Analyzed: 03/25/15 10:13 Lab File ID: 50325004.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	3.25	Poor Chromatography	ulmanm	03/25/15 10:41
N-Nitrosodimethylamine	3.71	Poor Chromatography	ulmanm	03/25/15 10:41
Benzoic acid	7.27	Poor Chromatography	ulmanm	03/25/15 10:41

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 173591

Lab Sample ID: STD2 240-173591/5 IC Client Sample ID:

Date Analyzed: 03/25/15 10:38 Lab File ID: 50325005.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	3.25	Poor Chromatography	ulmanm	03/25/15 11:08
Pyridine	3.78	Poor Chromatography	ulmanm	03/25/15 11:08
Pentachlorophenol	10.21	Poor Chromatography	ulmanm	03/25/15 11:08
Dibenz(a,h)anthracene	16.64	Poor Chromatography	ulmanm	03/25/15 11:08

Lab Sample ID: STD1 240-173591/6 IC Client Sample ID:

Date Analyzed: 03/25/15 11:04 Lab File ID: 50325006.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	16.63	Poor Chromatography	ulmanm	03/25/15 11:35
Dibenz(a,h)anthracene	16.65	Poor Chromatography	ulmanm	03/25/15 11:35
Benzo[g,h,i]perylene	17.27	Poor Chromatography	ulmanm	03/25/15 11:35

Lab Sample ID: STD9 240-173591/7 IC Client Sample ID:

Date Analyzed: 03/25/15 11:29 Lab File ID: 50325007.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.35	Poor Chromatography	ulmanm	03/25/15 12:19
Caprolactam	7.94	Poor Chromatography	ulmanm	03/25/15 12:19

Lab Sample ID: STD8 240-173591/8 IC Client Sample ID:

Date Analyzed: 03/25/15 11:54 Lab File ID: 50325008.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	7.94	Poor Chromatography	ulmanm	03/25/15 12:21

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 173591

Lab Sample ID: STD7 240-173591/9 IC Client Sample ID:

Date Analyzed: 03/25/15 12:20 Lab File ID: 50325009.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	7.93	Poor Chromatography	ulmanm	03/25/15 12:48

Lab Sample ID: STD6 240-173591/10 ICIS Client Sample ID:

Date Analyzed: 03/25/15 12:45 Lab File ID: 50325010.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	7.92	Poor Chromatography	ulmanm	03/25/15 13:11

Lab Sample ID: ICV 240-173591/11 Client Sample ID:

Date Analyzed: 03/25/15 14:02 Lab File ID: 50325011.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	3.25	Poor Chromatography	ulmanm	03/25/15 14:34
N-Nitrosodimethylamine	3.71	Poor Chromatography	ulmanm	03/25/15 14:34
Benzoic acid	7.30	Poor Chromatography	ulmanm	03/25/15 14:34
Caprolactam	7.92	Poor Chromatography	ulmanm	03/25/15 14:34

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A4HP9 Analysis Batch Number: 175891

Lab Sample ID: CCV 240-175891/2 CCVIS Client Sample ID:

Date Analyzed: 04/10/15 08:11 Lab File ID: 50410002.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.66	Poor Chromatography	ulmanm	04/10/15 08:42
Benzoic acid	7.20	Poor Chromatography	ulmanm	04/10/15 08:42

Lab Sample ID: LCS 240-175545/19-A Client Sample ID:

Date Analyzed: 04/10/15 09:52 Lab File ID: 50410006.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	2.67	Poor Chromatography	ulmanm	04/10/15 10:23

Lab Sample ID: 240-49010-1 Client Sample ID: FILL-001

Date Analyzed: 04/10/15 16:57 Lab File ID: 50410023.D GC Column: RXI-5SILMS ID: 0.45(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	13.75	Poor Chromatography	ulmanm	04/13/15 08:05
Benzo[k]fluoranthene	13.77	Poor Chromatography	ulmanm	04/13/15 08:05

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A2HP4 Analysis Batch Number: 175923

Lab Sample ID: CCV 240-175923/3 CCVRT Client Sample ID:

Date Analyzed: 04/10/15 11:01 Lab File ID: P4000003.D GC Column: CLP-2 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	1.75	Baseline Event	bosworthh	04/10/15 13:04

SAMPLE SUMMARY

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-49010-1	FILL-001	Solid	04/06/2015 1500	04/07/2015 0915
240-49010-2TB	TB-040615	Water	04/06/2015 0000	04/07/2015 0915

EXECUTIVE SUMMARY - Detections

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-49010-1	**FILL-001**					
Anthracene		3.9	J	7.3	ug/Kg	8270D
Benzo[a]anthracene		8.0		7.3	ug/Kg	8270D
Benzo[a]pyrene		7.7		7.3	ug/Kg	8270D
Benzo[b]fluoranthene		8.9		7.3	ug/Kg	8270D
Benzo[k]fluoranthene		4.2	J	7.3	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate		24	J B	76	ug/Kg	8270D
Chrysene		9.3		7.3	ug/Kg	8270D
Fluoranthene		16		7.3	ug/Kg	8270D
Phenanthrene		11		7.3	ug/Kg	8270D
Pyrene		15		7.3	ug/Kg	8270D
Total Petroleum Hydrocarbons (C10-C32)		18		18	mg/Kg	8015C
Arsenic		0.40	J	1.3	mg/Kg	6010C
Barium		2.6	J	18	mg/Kg	6010C
Cobalt		0.054	J	0.89	mg/Kg	6010C
Chromium		11		0.89	mg/Kg	6010C
Copper		1.1	J	2.2	mg/Kg	6010C
Molybdenum		0.13	J	3.6	mg/Kg	6010C
Nickel		0.21	J	3.6	mg/Kg	6010C
Lead		0.39	J	0.89	mg/Kg	6010C
Vanadium		21		0.89	mg/Kg	6010C
Zinc		1.3	J	4.5	mg/Kg	6010C
Percent Solids		93		0.10	%	Moisture
Percent Moisture		7.4		0.10	%	Moisture

METHOD SUMMARY

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
General Sub Contract Method		Subcontract	
Volatile Organic Compounds by GC/MS	TAL CAN	SW846 8260C	
Purge and Trap	TAL CAN		SW846 5030C
Semivolatile Organic Compounds (GC/MS)	TAL CAN	SW846 8270D	
Soxhlet Extraction	TAL CAN		SW846 3540C
Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)	TAL CAN	SW846 8015C	
Purge and Trap	TAL CAN		SW846 5030A
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL CAN	SW846 8015C	
Soxhlet Extraction	TAL CAN		SW846 3540C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082A	
Soxhlet Extraction	TAL CAN		SW846 3540C
Metals (Custom List)	TAL CAN	SW846 6010C	
Preparation, Metals	TAL CAN		SW846 3050B
Mercury (CVAA)	TAL CAN	SW846 7471A	
Preparation, Mercury	TAL CAN		SW846 7471A
Percent Moisture	TAL CAN	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CAN	SW846 8260B	
Purge and Trap	TAL CAN		SW846 5030B

Lab References:

TAL CAN = TestAmerica Canton

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Method	Analyst	Analyst ID
SW846 8260B	Quayle, Rick	RJQ
SW846 8260C	Macenczak, Steven	SAM
SW846 8270D	Ulman, Mark	MRU
SW846 8015C	Reed, Rachel T	RTR
SW846 8015C	Bolgrin, Deborah	DEB
SW846 8082A	Bosworth, Heather M	HMB
SW846 6010C	Counts, Karen	KLC
SW846 6010C	Sutherland, Aaron	ADS
SW846 7471A	Walpole, Barbara	BW
EPA Moisture	Matheny, Sarah	SEM

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Client Sample ID: **TB-040615**

Lab Sample ID: 240-49010-2TB Date Sampled: 04/06/2015 0000
Client Matrix: Water Date Received: 04/07/2015 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-175730	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM7102.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/09/2015 1834			Final Weight/Volume:	5 mL
Prep Date:	04/09/2015 1834				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.28	U	0.28	1.0
1,1,1-Trichloroethane	0.44	U	0.44	1.0
1,1,2,2-Tetrachloroethane	0.22	U	0.22	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.45	U	0.45	1.0
1,1-Dichloroethane	0.30	U	0.30	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
1,1-Dichloropropene	0.42	U	0.42	1.0
1,2,3-Trichlorobenzene	0.37	U	0.37	1.0
1,2,3-Trichloropropane	0.44	U	0.44	1.0
1,2,3-Trimethylbenzene	0.47	U	0.47	5.0
1,2,4-Trichlorobenzene	0.32	U	0.32	1.0
1,2,4-Trimethylbenzene	0.41	U	0.41	1.0
1,2-Dibromo-3-Chloropropane	0.82	U	0.82	2.0
1,2-Dichlorobenzene	0.25	U	0.25	1.0
1,2-Dichloroethane	0.23	U	0.23	1.0
1,2-Dichloropropane	0.25	U	0.25	1.0
1,3-Dichlorobenzene	0.19	U	0.19	1.0
1,3-Dichloropropane	0.19	U	0.19	1.0
1,4-Dichlorobenzene	0.27	U	0.27	1.0
2,2-Dichloropropane	0.26	U	0.26	1.0
2-Chloroethyl vinyl ether	0.59	U	0.59	10
2-Chlorotoluene	0.40	U	0.40	1.0
2-Hexanone	0.48	U	0.48	10
Bromobenzene	0.35	U	0.35	1.0
Bromochloromethane	0.50	U	0.50	1.0
4-Chlorotoluene	0.29	U	0.29	1.0
p-Isopropyltoluene	0.43	U	0.43	1.0
Acetone	0.94	U	0.94	10
Benzene	0.35	U	0.35	1.0
Bromoform	0.56	U	0.56	1.0
Bromomethane	0.44	U	0.44	1.0
Carbon disulfide	0.38	U	0.38	1.0
Carbon tetrachloride	0.43	U	0.43	1.0
Chlorobenzene	0.25	U	0.25	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.25	U	0.25	1.0
Chloromethane	0.44	U	0.44	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.46	U	0.46	1.0
Hexachlorobutadiene	0.35	U	0.35	1.0
Dibromomethane	0.42	U	0.42	1.0
Bromodichloromethane	0.29	U	0.29	1.0
Dichlorodifluoromethane	0.32	U	0.32	1.0
Ethylbenzene	0.25	U	0.25	1.0
1,2-Dibromoethane	0.32	U	0.32	1.0
Diisopropyl ether	0.50	U	0.50	10

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Client Sample ID: **TB-040615**

Lab Sample ID: 240-49010-2TB Date Sampled: 04/06/2015 0000
Client Matrix: Water Date Received: 04/07/2015 0915

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	240-175730	Instrument ID:	A3UX16
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	UXM7102.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/09/2015 1834			Final Weight/Volume:	5 mL
Prep Date:	04/09/2015 1834				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	0.45	U	0.45	1.0
m-Xylene & p-Xylene	0.24	U	0.24	2.0
n-Butylbenzene	0.31	U	0.31	1.0
Isopropylbenzene	0.35	U	0.35	1.0
N-Propylbenzene	0.40	U	0.40	1.0
2-Butanone (MEK)	0.53	U	0.53	10
4-Methyl-2-pentanone (MIBK)	0.99	U	0.99	10
sec-Butylbenzene	0.48	U	0.48	1.0
Methyl tert-butyl ether	0.20	U	0.20	1.0
Tert-amyl methyl ether	0.30	U	0.30	5.0
Methylene Chloride	0.33	U	0.33	1.0
o-Xylene	0.25	U	0.25	1.0
Styrene	0.45	U	0.45	1.0
Ethyl t-butyl ether	0.23	U	0.23	5.0
tert-Butylbenzene	0.41	U	0.41	1.0
Tetrachloroethene	0.31	U	0.31	1.0
Toluene	0.23	U	0.23	1.0
trans-1,2-Dichloroethene	0.30	U	0.30	1.0
trans-1,3-Dichloropropene	0.56	U	0.56	1.0
Trichloroethene	0.22	U	0.22	1.0
Trichlorofluoromethane	0.49	U	0.49	1.0
Vinyl acetate	0.41	U	0.41	2.0
Vinyl chloride	0.29	U	0.29	1.0
tert-Butyl alcohol (TBA)	4.9	U	4.9	50
Xylenes, Total	0.52	U	0.52	2.0
Dibromochloromethane	0.43	U	0.43	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		63 - 129
4-Bromofluorobenzene (Surr)	100		66 - 120
Toluene-d8 (Surr)	94		74 - 120
Dibromofluoromethane (Surr)	92		75 - 121

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Client Sample ID: **FILL-001**

Lab Sample ID: 240-49010-1 Date Sampled: 04/06/2015 1500
Client Matrix: Solid % Moisture: 7.4 Date Received: 04/07/2015 0915

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-175483	Instrument ID:	A3UX8
Prep Method:	5030C	Prep Batch:	240-175488	Lab File ID:	UX86865.D
Dilution:	1.0			Initial Weight/Volume:	5.14 g
Analysis Date:	04/08/2015 1106			Final Weight/Volume:	5 mL
Prep Date:	04/08/2015 0523				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		0.65	U	0.65	5.3
1,1,1-Trichloroethane		0.59	U	0.59	5.3
1,1,2,2-Tetrachloroethane		0.36	U	0.36	5.3
1,1,2-Trichloro-1,2,2-trifluoroethane		1.4	U	1.4	5.3
1,1-Dichloroethane		0.38	U	0.38	5.3
1,1-Dichloroethene		0.55	U	0.55	5.3
1,1-Dichloropropene		0.32	U	0.32	5.3
1,2,3-Trichlorobenzene		0.40	U	0.40	5.3
1,2,3-Trichloropropane		0.95	U	0.95	5.3
1,2,3-Trimethylbenzene		0.18	U	0.18	5.3
1,2,4-Trichlorobenzene		0.28	U	0.28	5.3
1,2,4-Trimethylbenzene		0.68	U	0.68	5.3
1,2-Dibromo-3-Chloropropane		1.4	U	1.4	11
1,2-Dichlorobenzene		0.38	U	0.38	5.3
1,2-Dichloroethane		0.36	U	0.36	5.3
1,2-Dichloropropane		0.72	U	0.72	5.3
1,3-Dichlorobenzene		0.37	U	0.37	5.3
1,3-Dichloropropane		0.36	U	0.36	5.3
1,4-Dichlorobenzene		0.69	U	0.69	5.3
2,2-Dichloropropane		0.99	U	0.99	5.3
2-Chloroethyl vinyl ether		1.5	U	1.5	53
2-Chlorotoluene		0.42	U	0.42	5.3
2-Hexanone		0.66	U	0.66	21
Bromobenzene		0.35	U	0.35	5.3
Bromochloromethane		0.75	U	0.75	5.3
4-Chlorotoluene		0.43	U	0.43	5.3
p-Isopropyltoluene		0.22	U	0.22	5.3
Acetone		6.6	U	6.6	21
Benzene		0.24	U	0.24	5.3
Bromoform		0.35	U	0.35	5.3
Bromomethane		0.57	U	0.57	5.3
Carbon disulfide		0.46	U	0.46	5.3
Carbon tetrachloride		0.39	U	0.39	5.3
Chlorobenzene		0.35	U	0.35	5.3
Chloroethane		0.90	U	0.90	5.3
Chloroform		0.30	U	0.30	5.3
Chloromethane		0.43	U	0.43	5.3
cis-1,2-Dichloroethene		0.38	U	0.38	5.3
cis-1,3-Dichloropropene		0.36	U	0.36	5.3
Hexachlorobutadiene		1.3	U	1.3	5.3
Dibromomethane		0.66	U	0.66	5.3
Bromodichloromethane		0.29	U	0.29	5.3
Dichlorodifluoromethane		0.53	U	0.53	5.3
Ethylbenzene		0.27	U	0.27	5.3
1,2-Dibromoethane		0.53	U	0.53	5.3
Diisopropyl ether		1.6	U	1.6	11

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Client Sample ID: **FILL-001**

Lab Sample ID: 240-49010-1 Date Sampled: 04/06/2015 1500
Client Matrix: Solid % Moisture: 7.4 Date Received: 04/07/2015 0915

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-175483	Instrument ID:	A3UX8
Prep Method:	5030C	Prep Batch:	240-175488	Lab File ID:	UX86865.D
Dilution:	1.0			Initial Weight/Volume:	5.14 g
Analysis Date:	04/08/2015 1106			Final Weight/Volume:	5 mL
Prep Date:	04/08/2015 0523				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		0.20	U	0.20	5.3
m-Xylene & p-Xylene		1.3	U	1.3	11
n-Butylbenzene		0.24	U	0.24	5.3
Isopropylbenzene		0.17	U	0.17	5.3
N-Propylbenzene		0.42	U	0.42	5.3
2-Butanone (MEK)		1.5	U	1.5	21
4-Methyl-2-pentanone (MIBK)		0.57	U	0.57	21
sec-Butylbenzene		0.19	U	0.19	5.3
Methyl tert-butyl ether		0.45	U	0.45	5.3
Tert-amyl methyl ether		0.39	U	0.39	5.3
Methylene Chloride		0.70	U	0.70	5.3
o-Xylene		0.37	U	0.37	5.3
Styrene		0.16	U	0.16	5.3
Ethyl-t-butyl ether (ETBE)		0.23	U	0.23	5.3
tert-Butylbenzene		0.30	U	0.30	5.3
Tetrachloroethene		0.55	U	0.55	5.3
Toluene		0.28	U	0.28	5.3
trans-1,2-Dichloroethene		0.43	U	0.43	5.3
trans-1,3-Dichloropropene		0.57	U	0.57	5.3
Trichloroethene		0.44	U	0.44	5.3
Trichlorofluoromethane		0.36	U	0.36	5.3
Vinyl acetate		0.26	U F1 F2	0.26	11
Vinyl chloride		0.41	U	0.41	5.3
tert-Butyl alcohol (TBA)		8.0	U	8.0	210
Xylenes, Total		0.37	U	0.37	11
Dibromochloromethane		0.58	U	0.58	5.3

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82		58 - 123
4-Bromofluorobenzene (Surr)	88		52 - 136
Toluene-d8 (Surr)	98		67 - 125
Dibromofluoromethane (Surr)	89		37 - 132

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Client Sample ID: **FILL-001**

Lab Sample ID: 240-49010-1 Date Sampled: 04/06/2015 1500
Client Matrix: Solid % Moisture: 7.4 Date Received: 04/07/2015 0915

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-175891	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-175545	Lab File ID:	50410023.D
Dilution:	1.0			Initial Weight/Volume:	29.69 g
Analysis Date:	04/10/2015 1657			Final Weight/Volume:	2 mL
Prep Date:	04/08/2015 0916			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		3.8	U	3.8	55
1,4-Dioxane		24	U	24	110
2,4,6-Trichlorophenol		9.7	U	9.7	160
2,4,5-Trichlorophenol		27	U	27	160
2,4-Dichlorophenol		22	U	22	160
2,4-Dimethylphenol		22	U	22	160
2,4-Dinitrophenol		23	U	23	360
2,4-Dinitrotoluene		19	U	19	220
2-Chloronaphthalene		0.49	U	0.49	55
2-Chlorophenol		8.9	U	8.9	55
2-Methylnaphthalene		0.55	U	0.55	7.3
2-Methylphenol		12	U	12	220
2-Nitroaniline		9.9	U	9.9	220
2-Nitrophenol		9.1	U	9.1	55
3 & 4 Methylphenol		22	U	22	440
3,3'-Dichlorobenzidine		20	U	20	110
3-Nitroaniline		17	U	17	220
4,6-Dinitro-2-methylphenol		10	U	10	160
4-Bromophenyl phenyl ether		14	U	14	55
4-Chloro-3-methylphenol		23	U	23	160
4-Chloroaniline		19	U	19	160
4-Chlorophenyl phenyl ether		14	U	14	55
4-Nitroaniline		28	U	28	220
Acenaphthene		0.83	U	0.83	7.3
Acenaphthylene		0.38	U	0.38	7.3
Acetophenone		10	U	10	110
Anthracene		3.9	J	0.85	7.3
Atrazine		9.9	U	9.9	220
Benzaldehyde		13	U	13	110
Benzo[a]anthracene		8.0		0.69	7.3
Benzo[a]pyrene		7.7		0.70	7.3
Benzo[b]fluoranthene		8.9		0.64	7.3
Benzo[g,h,i]perylene		0.38	U	0.38	7.3
Benzo[k]fluoranthene		4.2	J	0.74	7.3
Bis(2-chloroethoxy)methane		24	U	24	110
Bis(2-chloroethyl)ether		2.2	U	2.2	110
Bis(2-ethylhexyl) phthalate		24	J B	21	76
Butyl benzyl phthalate		11	U	11	76
Caprolactam		40	U	40	360
Carbazole		29	U	29	55
Chrysene		9.3		1.2	7.3
Di-n-butyl phthalate		16	U	16	76
Di-n-octyl phthalate		8.6	U	8.6	76
Dibenz(a,h)anthracene		0.72	U	0.72	7.3
Dibenzofuran		0.72	U	0.72	55
Diethyl phthalate		17	U	17	76

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Client Sample ID: **FILL-001**

Lab Sample ID: 240-49010-1 Date Sampled: 04/06/2015 1500
Client Matrix: Solid % Moisture: 7.4 Date Received: 04/07/2015 0915

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-175891	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-175545	Lab File ID:	50410023.D
Dilution:	1.0			Initial Weight/Volume:	29.69 g
Analysis Date:	04/10/2015 1657			Final Weight/Volume:	2 mL
Prep Date:	04/08/2015 0916			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		19	U	19	76
Fluoranthene		16		0.60	7.3
Fluorene		0.58	U	0.58	7.3
Hexachlorobenzene		2.3	U	2.3	7.3
Hexachlorobutadiene		6.1	U	6.1	55
Hexachlorocyclopentadiene		8.8	U	8.8	360
Hexachloroethane		9.8	U	9.8	55
Indeno[1,2,3-cd]pyrene		0.38	U	0.38	7.3
Isophorone		14	U	14	55
N-Nitrosodi-n-propylamine		6.9	U	6.9	55
N-Nitrosodimethylamine		17	U	17	110
N-Nitrosodiphenylamine		23	U	23	55
Naphthalene		0.89	U	0.89	7.3
Nitrobenzene		2.4	U	2.4	110
Pentachlorophenol		9.9	U	9.9	160
Phenanthrene		11		0.80	7.3
Phenol		8.0	U	8.0	55
Pyrene		15		0.48	7.3
2,2'-oxybis[1-chloropropane]		10	U	10	110
2,6-Dinitrotoluene		23	U	23	220
4-Nitrophenol		19	U	19	360

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	77		36 - 110
Phenol-d5 (Surr)	73		26 - 110
Nitrobenzene-d5 (Surr)	63		20 - 110
2-Fluorophenol (Surr)	66		24 - 110
2-Fluorobiphenyl (Surr)	77		24 - 110
2,4,6-Tribromophenol (Surr)	36		10 - 110

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Client Sample ID: **FILL-001**

Lab Sample ID: 240-49010-1 Date Sampled: 04/06/2015 1500
Client Matrix: Solid % Moisture: 7.4 Date Received: 04/07/2015 0915

8015C Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analysis Method:	8015C	Analysis Batch:	240-175575	Instrument ID:	YPID
Prep Method:	5030A	Prep Batch:	240-175570	Initial Weight/Volume:	5.01 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	04/09/2015 0634			Injection Volume:	5 mL
Prep Date:	04/08/2015 1104			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Gasoline Range Organics [C6 - C10]		50	U	50	110

Surrogate	%Rec	Qualifier	Acceptance Limits
Trifluorotoluene (Surr)	86		40 - 139

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Client Sample ID: **FILL-001**

Lab Sample ID: 240-49010-1 Date Sampled: 04/06/2015 1500
Client Matrix: Solid % Moisture: 7.4 Date Received: 04/07/2015 0915

8015C Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analysis Method:	8015C	Analysis Batch:	240-175823	Instrument ID:	A2HP5F
Prep Method:	3540C	Prep Batch:	240-175550	Initial Weight/Volume:	30.15 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	04/10/2015 0024			Injection Volume:	1 uL
Prep Date:	04/08/2015 0935			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Total Petroleum Hydrocarbons (C10-C32)		18		4.4	18

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl (Surr)	100		40 - 160

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Client Sample ID: **FILL-001**

Lab Sample ID: 240-49010-1 Date Sampled: 04/06/2015 1500
Client Matrix: Solid % Moisture: 7.4 Date Received: 04/07/2015 0915

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-175923	Instrument ID:	A2HP4
Prep Method:	3540C	Prep Batch:	240-175553	Initial Weight/Volume:	30.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/10/2015 1527			Injection Volume:	1 uL
Prep Date:	04/08/2015 0949			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		13	U	13	36
Aroclor-1221		17	U	17	36
Aroclor-1232		22	U	22	36
Aroclor-1242		12	U	12	36
Aroclor-1248		8.6	U	8.6	36
Aroclor-1254		15	U	15	36
Aroclor-1260		9.7	U	9.7	36

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	88		29 - 151
DCB Decachlorobiphenyl	104		14 - 163

Client Sample ID: **FILL-001**

Lab Sample ID: 240-49010-1 Date Sampled: 04/06/2015 1500
Client Matrix: Solid % Moisture: 7.4 Date Received: 04/07/2015 0915

6010C Metals (Custom List)

Analysis Method:	6010C	Analysis Batch:	240-175886	Instrument ID:	I12
Prep Method:	3050B	Prep Batch:	240-175558	Lab File ID:	I12040915A.asc
Dilution:	1.0			Initial Weight/Volume:	1.21 g
Analysis Date:	04/09/2015 1004			Final Weight/Volume:	100 mL
Prep Date:	04/08/2015 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.056	U	0.056	0.89
Arsenic		0.40	J	0.37	1.3
Barium		2.6	J	0.37	18
Beryllium		0.023	U	0.023	0.45
Cadmium		0.019	U	0.019	0.45
Cobalt		0.054	J	0.042	0.89
Chromium		11		0.067	0.89
Molybdenum		0.13	J	0.053	3.6
Nickel		0.21	J	0.071	3.6
Lead		0.39	J	0.020	0.89
Selenium		0.30	U	0.30	1.8
Vanadium		21		0.18	0.89
Zinc		1.3	J	0.50	4.5
Antimony		0.43	U	0.43	1.8
Thallium		0.12	U	0.12	1.8

Analysis Method:	6010C	Analysis Batch:	240-175933	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-175558	Lab File ID:	I9041015A.asc
Dilution:	1.0			Initial Weight/Volume:	1.21 g
Analysis Date:	04/10/2015 1009			Final Weight/Volume:	100 mL
Prep Date:	04/08/2015 1026				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Copper		1.1	J	0.21	2.2

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	240-175776	Instrument ID:	H4
Prep Method:	7471A	Prep Batch:	240-175585	Lab File ID:	040915AHG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.59 g
Analysis Date:	04/09/2015 1046			Final Weight/Volume:	100 mL
Prep Date:	04/08/2015 1500				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.015	U	0.015	0.11

General Chemistry

Client Sample ID: **FILL-001**

Lab Sample ID: 240-49010-1 Date Sampled: 04/06/2015 1500

Client Matrix: Solid Date Received: 04/07/2015 0915

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-175452	Analysis Date: 04/07/2015 1517						DryWt Corrected: N
Percent Moisture	7.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-175452	Analysis Date: 04/07/2015 1517						DryWt Corrected: N

Client: Tetra Tech, Inc.

Job Number: 240-49010-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
240-49010-2	TB-040615	92	95	94	100
MB 240-175730/6		93	94	96	98
LCS 240-175730/4		94	93	96	98
240-49022-A-1 MS		92	93	95	99
240-49022-D-1 MSD		94	92	97	101

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	75-121
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
TOL = Toluene-d8 (Surr)	74-120
BFB = 4-Bromofluorobenzene (Surr)	66-120

Client: Tetra Tech, Inc.

Job Number: 240-49010-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
240-49010-1	FILL-001	89	82	98	88
MB 240-175483/8		94	91	98	90
LCS 240-175483/6		97	90	100	97
240-49010-1 MS	FILL-001 MS	97	88	106	98
240-49010-1 MSD	FILL-001 MSD	93	86	98	91

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	37-132
DCA = 1,2-Dichloroethane-d4 (Surr)	58-123
TOL = Toluene-d8 (Surr)	67-125
BFB = 4-Bromofluorobenzene (Surr)	52-136

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
240-49010-1	FILL-001	66	73	63	77	36	77
MB 240-175545/18-A		77	81	75	82	42	78
LCS 240-175545/19-A		83	85	83	82	72	76

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	24-110
PHL = Phenol-d5 (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	20-110
FBP = 2-Fluorobiphenyl (Surr)	24-110
TBP = 2,4,6-Tribromophenol (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	36-110

Client: Tetra Tech, Inc.

Job Number: 240-49010-1

Surrogate Recovery Report

8015C Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TFT1 %Rec
240-49010-1	FILL-001	86
MB 240-175570/1-A		81
LCS 240-175570/2-A		100
180-42592-G-10-C MS		81
180-42592-G-10-D MSD		90

Surrogate	Acceptance Limits
TFT = Trifluorotoluene (Surr)	40-139

Client: Tetra Tech, Inc.

Job Number: 240-49010-1

Surrogate Recovery Report

8015C Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	OTPH1 %Rec
240-49010-1	FILL-001	100
MB 240-175550/7-A		92
LCS 240-175550/8-A		87
240-49010-1 MS	FILL-001 MS	93
240-49010-1 MSD	FILL-001 MSD	87

Surrogate	Acceptance Limits
OTPH = o-Terphenyl (Surr)	40-160

Client: Tetra Tech, Inc.

Job Number: 240-49010-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-49010-1	FILL-001	88	104
MB 240-175553/17-A		61	95
LCS 240-175553/18-A		64	101

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Method Blank - Batch: 240-175730

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-175730/6	Analysis Batch:	240-175730	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM7085.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/09/2015 1206	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/09/2015 1206				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	0.28	U	0.28	1.0
1,1,1-Trichloroethane	0.44	U	0.44	1.0
1,1,2,2-Tetrachloroethane	0.22	U	0.22	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.45	U	0.45	1.0
1,1-Dichloroethane	0.30	U	0.30	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
1,1-Dichloropropene	0.42	U	0.42	1.0
1,2,3-Trichlorobenzene	0.37	U	0.37	1.0
1,2,3-Trichloropropane	0.44	U	0.44	1.0
1,2,3-Trimethylbenzene	0.47	U	0.47	5.0
1,2,4-Trichlorobenzene	0.32	U	0.32	1.0
1,2,4-Trimethylbenzene	0.41	U	0.41	1.0
1,2-Dibromo-3-Chloropropane	0.82	U	0.82	2.0
1,2-Dichlorobenzene	0.25	U	0.25	1.0
1,2-Dichloroethane	0.23	U	0.23	1.0
1,2-Dichloropropane	0.25	U	0.25	1.0
1,3-Dichlorobenzene	0.19	U	0.19	1.0
1,3-Dichloropropane	0.19	U	0.19	1.0
1,4-Dichlorobenzene	0.27	U	0.27	1.0
2,2-Dichloropropane	0.26	U	0.26	1.0
2-Chloroethyl vinyl ether	0.59	U	0.59	10
2-Chlorotoluene	0.40	U	0.40	1.0
2-Hexanone	0.48	U	0.48	10
Bromobenzene	0.35	U	0.35	1.0
Bromochloromethane	0.50	U	0.50	1.0
4-Chlorotoluene	0.29	U	0.29	1.0
p-Isopropyltoluene	0.43	U	0.43	1.0
Acetone	1.64	J	0.94	10
Benzene	0.35	U	0.35	1.0
Bromoform	0.56	U	0.56	1.0
Bromomethane	0.44	U	0.44	1.0
Carbon disulfide	0.38	U	0.38	1.0
Carbon tetrachloride	0.43	U	0.43	1.0
Chlorobenzene	0.25	U	0.25	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.25	U	0.25	1.0
Chloromethane	0.44	U	0.44	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.46	U	0.46	1.0
Hexachlorobutadiene	0.35	U	0.35	1.0
Dibromomethane	0.42	U	0.42	1.0
Bromodichloromethane	0.29	U	0.29	1.0
Dichlorodifluoromethane	0.32	U	0.32	1.0
Ethylbenzene	0.25	U	0.25	1.0
1,2-Dibromoethane	0.32	U	0.32	1.0

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Method Blank - Batch: 240-175730

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 240-175730/6	Analysis Batch:	240-175730	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM7085.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/09/2015 1206	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/09/2015 1206				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Diisopropyl ether	0.50	U	0.50	10
Naphthalene	0.45	U	0.45	1.0
m-Xylene & p-Xylene	0.24	U	0.24	2.0
n-Butylbenzene	0.31	U	0.31	1.0
Isopropylbenzene	0.35	U	0.35	1.0
N-Propylbenzene	0.40	U	0.40	1.0
2-Butanone (MEK)	0.53	U	0.53	10
4-Methyl-2-pentanone (MIBK)	0.99	U	0.99	10
sec-Butylbenzene	0.48	U	0.48	1.0
Methyl tert-butyl ether	0.20	U	0.20	1.0
Tert-amyl methyl ether	0.30	U	0.30	5.0
Methylene Chloride	0.33	U	0.33	1.0
o-Xylene	0.25	U	0.25	1.0
Styrene	0.45	U	0.45	1.0
Ethyl t-butyl ether	0.23	U	0.23	5.0
tert-Butylbenzene	0.41	U	0.41	1.0
Tetrachloroethene	0.31	U	0.31	1.0
Toluene	0.23	U	0.23	1.0
trans-1,2-Dichloroethene	0.30	U	0.30	1.0
trans-1,3-Dichloropropene	0.56	U	0.56	1.0
Trichloroethene	0.22	U	0.22	1.0
Trichlorofluoromethane	0.49	U	0.49	1.0
Vinyl acetate	0.41	U	0.41	2.0
Vinyl chloride	0.29	U	0.29	1.0
tert-Butyl alcohol (TBA)	4.9	U	4.9	50
Xylenes, Total	0.52	U	0.52	2.0
Dibromochloromethane	0.43	U	0.43	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	63 - 129
4-Bromofluorobenzene (Surr)	98	66 - 120
Toluene-d8 (Surr)	96	74 - 120
Dibromofluoromethane (Surr)	93	75 - 121

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Lab Control Sample - Batch: 240-175730

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-175730/4	Analysis Batch:	240-175730	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM7083.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/09/2015 1120	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/09/2015 1120				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	10.0	10.1	101	72 - 120	
1,1,1-Trichloroethane	10.0	10.4	104	74 - 120	
1,1,2,2-Tetrachloroethane	10.0	9.71	97	68 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.0	110	74 - 151	
1,1-Dichloroethane	10.0	10.5	105	80 - 120	
1,1-Dichloroethene	10.0	10.7	107	78 - 131	
1,1-Dichloropropene	10.0	10.8	108	80 - 120	
1,2,3-Trichlorobenzene	10.0	9.59	96	54 - 126	
1,2,3-Trichloropropane	10.0	10.2	102	73 - 129	
1,2,4-Trichlorobenzene	10.0	9.73	97	48 - 135	
1,2,4-Trimethylbenzene	10.0	9.75	97	76 - 120	
1,2-Dibromo-3-Chloropropane	10.0	10.2	102	42 - 136	
1,2-Dichlorobenzene	10.0	9.77	98	80 - 120	
1,2-Dichloroethane	10.0	10.4	104	71 - 127	
1,2-Dichloropropane	10.0	10.1	101	80 - 120	
1,3-Dichlorobenzene	10.0	9.82	98	80 - 120	
1,3-Dichloropropane	10.0	9.62	96	79 - 120	
1,4-Dichlorobenzene	10.0	9.90	99	80 - 120	
2,2-Dichloropropane	10.0	10.2	102	50 - 129	
2-Chloroethyl vinyl ether	12.0	12.4	103	52 - 131	
2-Chlorotoluene	10.0	10.1	101	76 - 120	
2-Hexanone	20.0	19.2	96	55 - 133	
Bromobenzene	10.0	10.1	101	76 - 120	
Bromochloromethane	10.0	9.90	99	77 - 120	
4-Chlorotoluene	10.0	9.62	96	77 - 120	
p-Isopropyltoluene	10.0	9.88	99	74 - 120	
Acetone	20.0	17.4	87	43 - 136	
Benzene	10.0	10.1	101	80 - 120	
Bromoform	10.0	9.74	97	40 - 131	
Bromomethane	10.0	8.58	86	11 - 185	
Carbon disulfide	10.0	10.9	109	62 - 142	
Carbon tetrachloride	10.0	10.8	108	66 - 128	
Chlorobenzene	10.0	9.79	98	80 - 120	
Chloroethane	10.0	8.70	87	25 - 153	
Chloroform	10.0	10.1	101	79 - 120	
Chloromethane	10.0	8.18	82	44 - 126	
cis-1,2-Dichloroethene	10.0	10.1	101	80 - 120	
cis-1,3-Dichloropropene	10.0	10.5	105	61 - 120	
Hexachlorobutadiene	10.0	9.48	95	36 - 134	
Dibromomethane	10.0	10.2	102	80 - 120	
Bromodichloromethane	10.0	9.81	98	72 - 121	
Dichlorodifluoromethane	10.0	7.10	71	19 - 129	
Ethylbenzene	10.0	10.1	101	80 - 120	
1,2-Dibromoethane	10.0	10.0	100	79 - 120	
Naphthalene	10.0	9.44	94	32 - 141	
m-Xylene & p-Xylene	10.0	9.83	98	80 - 120	

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Lab Control Sample - Batch: 240-175730

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 240-175730/4	Analysis Batch:	240-175730	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM7083.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/09/2015 1120	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/09/2015 1120				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
n-Butylbenzene	10.0	9.90	99	66 - 125	
Isopropylbenzene	10.0	9.91	99	75 - 120	
N-Propylbenzene	10.0	10.3	103	74 - 121	
2-Butanone (MEK)	20.0	19.9	100	60 - 126	
4-Methyl-2-pentanone (MIBK)	20.0	20.1	100	63 - 128	
sec-Butylbenzene	10.0	9.99	100	70 - 120	
Methyl tert-butyl ether	10.0	10.3	103	52 - 144	
Methylene Chloride	10.0	10.5	105	66 - 131	
o-Xylene	10.0	10.1	101	80 - 120	
Styrene	10.0	9.36	94	79 - 120	
tert-Butylbenzene	10.0	10.1	101	71 - 120	
Tetrachloroethene	10.0	10.1	101	79 - 120	
Toluene	10.0	10.0	100	80 - 120	
trans-1,2-Dichloroethene	10.0	10.6	106	80 - 120	
trans-1,3-Dichloropropene	10.0	10.8	108	58 - 120	
Trichloroethene	10.0	10.4	104	76 - 120	
Trichlorofluoromethane	10.0	10.0	100	49 - 157	
Vinyl acetate	10.0	7.85	78	46 - 161	
Vinyl chloride	10.0	8.68	87	53 - 127	
tert-Butyl alcohol (TBA)	100	95.3	95	70 - 130	
Xylenes, Total	20.0	19.9	100	80 - 120	
Dibromochloromethane	10.0	10.0	100	64 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	63 - 129
4-Bromofluorobenzene (Surr)	98	66 - 120
Toluene-d8 (Surr)	96	74 - 120
Dibromofluoromethane (Surr)	94	75 - 121

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-175730

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-49022-A-1 MS	Analysis Batch:	240-175730	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM7106.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/09/2015 2005			Final Weight/Volume:	5 mL
Prep Date:	04/09/2015 2005				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	240-49022-D-1 MSD	Analysis Batch:	240-175730	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM7107.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/09/2015 2028			Final Weight/Volume:	5 mL
Prep Date:	04/09/2015 2028				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1-Trichloroethane	95	95	68 - 121	1	30		
1,1,2,2-Tetrachloroethane	93	92	63 - 122	1	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	95	103	70 - 152	8	30		
1,1-Dichloroethane	99	100	79 - 120	1	30		
1,1-Dichloroethene	98	98	74 - 135	0	30		
1,2,4-Trichlorobenzene	74	81	38 - 138	9	30		
1,2-Dibromo-3-Chloropropane	93	91	32 - 139	3	30		
1,2-Dichlorobenzene	83	84	75 - 120	2	30		
1,2-Dichloroethane	98	97	68 - 129	1	30		
1,2-Dichloropropane	94	94	78 - 120	0	30		
1,3-Dichlorobenzene	79	83	73 - 120	5	30		
1,4-Dichlorobenzene	80	83	75 - 120	4	30		
2-Hexanone	94	99	47 - 139	6	30		
Acetone	74	76	33 - 145	3	30		
Benzene	95	94	72 - 121	1	30		
Bromoform	86	87	32 - 128	1	30		
Bromomethane	82	93	10 - 186	13	30		
Carbon disulfide	97	101	57 - 147	4	30		
Carbon tetrachloride	98	101	59 - 129	3	30		
Chlorobenzene	86	87	80 - 120	1	30		
Chloroethane	83	86	21 - 165	3	30		
Chloroform	95	94	76 - 120	1	30		
Chloromethane	80	82	33 - 132	2	30		
cis-1,2-Dichloroethene	95	96	70 - 120	1	30		
cis-1,3-Dichloropropene	92	92	51 - 120	1	30		
Bromodichloromethane	90	92	67 - 120	2	30		
Dichlorodifluoromethane	63	67	17 - 128	6	30		
Ethylbenzene	87	90	75 - 120	3	30		
1,2-Dibromoethane	95	96	74 - 120	1	30		
m-Xylene & p-Xylene	85	88	75 - 120	4	30		
Isopropylbenzene	83	88	68 - 120	5	30		
2-Butanone (MEK)	93	93	54 - 129	0	30		
4-Methyl-2-pentanone (MIBK)	103	102	56 - 131	1	30		

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-175730

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-49022-A-1 MS	Analysis Batch:	240-175730	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM7106.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/09/2015 2005			Final Weight/Volume:	5 mL
Prep Date:	04/09/2015 2005				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	240-49022-D-1 MSD	Analysis Batch:	240-175730	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM7107.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/09/2015 2028			Final Weight/Volume:	5 mL
Prep Date:	04/09/2015 2028				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl tert-butyl ether	101	99	46 - 144	2	30		
Methylene Chloride	93	92	63 - 128	1	30		
o-Xylene	88	91	76 - 120	3	30		
Styrene	75	76	71 - 120	2	30		
Tetrachloroethene	87	89	70 - 120	3	30		
Toluene	90	92	78 - 120	1	30		
trans-1,2-Dichloroethene	94	97	80 - 120	3	30		
trans-1,3-Dichloropropene	96	98	46 - 120	1	30		
Trichloroethene	92	94	66 - 120	2	30		
Trichlorofluoromethane	90	97	46 - 157	8	30		
Vinyl chloride	80	80	49 - 130	1	30		
Xylenes, Total	87	90	76 - 120	3	30		
Dibromochloromethane	90	90	56 - 120	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	92	63 - 129
4-Bromofluorobenzene (Surr)	99	101	66 - 120
Toluene-d8 (Surr)	95	97	74 - 120
Dibromofluoromethane (Surr)	92	94	75 - 121

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-175730

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-49022-A-1 MS	Units: ug/L	MSD Lab Sample ID:	240-49022-D-1 MSD	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	04/09/2015 2005		Analysis Date:	04/09/2015 2028	
Prep Date:	04/09/2015 2005		Prep Date:	04/09/2015 2028	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1-Trichloroethane	0.44	U	10.0	10.0	9.52	9.46
1,1,2,2-Tetrachloroethane	0.22	U	10.0	10.0	9.34	9.21
1,1,2-Trichloro-1,2,2-trifluoroethane	0.45	U	10.0	10.0	9.50	10.3
1,1-Dichloroethane	0.30	U	10.0	10.0	9.95	10.0
1,1-Dichloroethene	0.45	U	10.0	10.0	9.80	9.82
1,2,4-Trichlorobenzene	0.32	U	10.0	10.0	7.42	8.11
1,2-Dibromo-3-Chloropropane	0.82	U	10.0	10.0	9.35	9.10
1,2-Dichlorobenzene	0.25	U	10.0	10.0	8.31	8.43
1,2-Dichloroethane	0.23	U	10.0	10.0	9.78	9.68
1,2-Dichloropropane	0.25	U	10.0	10.0	9.42	9.38
1,3-Dichlorobenzene	0.19	U	10.0	10.0	7.90	8.32
1,4-Dichlorobenzene	0.27	U	10.0	10.0	7.99	8.34
2-Hexanone	0.48	U	20.0	20.0	18.8	19.9
Acetone	1.8	J	20.0	20.0	16.6	17.0
Benzene	0.35	U	10.0	10.0	9.51	9.43
Bromoform	0.56	U	10.0	10.0	8.57	8.66
Bromomethane	0.44	U	10.0	10.0	8.15	9.27
Carbon disulfide	0.38	U	10.0	10.0	9.72	10.1
Carbon tetrachloride	0.43	U	10.0	10.0	9.81	10.1
Chlorobenzene	0.25	U	10.0	10.0	8.56	8.68
Chloroethane	0.32	U	10.0	10.0	8.31	8.58
Chloroform	0.25	U	10.0	10.0	9.50	9.36
Chloromethane	0.44	U	10.0	10.0	8.01	8.20
cis-1,2-Dichloroethene	0.26	U	10.0	10.0	9.51	9.63
cis-1,3-Dichloropropene	0.46	U	10.0	10.0	9.20	9.25
Bromodichloromethane	0.29	U	10.0	10.0	9.04	9.20
Dichlorodifluoromethane	0.32	U	10.0	10.0	6.26	6.65
Ethylbenzene	0.25	U	10.0	10.0	8.69	8.98
1,2-Dibromoethane	0.32	U	10.0	10.0	9.49	9.57
m-Xylene & p-Xylene	0.24	U	10.0	10.0	8.48	8.80
Isopropylbenzene	0.35	U	10.0	10.0	8.31	8.78
2-Butanone (MEK)	0.53	U	20.0	20.0	18.6	18.7
4-Methyl-2-pentanone (MIBK)	0.99	U	20.0	20.0	20.6	20.3
Methyl tert-butyl ether	0.20	U	10.0	10.0	10.1	9.86
Methylene Chloride	0.33	U	10.0	10.0	9.26	9.21
o-Xylene	0.25	U	10.0	10.0	8.84	9.13
Styrene	0.45	U	10.0	10.0	7.49	7.62
Tetrachloroethene	0.31	U	10.0	10.0	8.67	8.92
Toluene	0.23	U	10.0	10.0	9.03	9.17
trans-1,2-Dichloroethene	0.30	U	10.0	10.0	9.38	9.71
trans-1,3-Dichloropropene	0.56	U	10.0	10.0	9.63	9.77
Trichloroethene	0.22	U	10.0	10.0	9.24	9.44
Trichlorofluoromethane	0.49	U	10.0	10.0	8.96	9.75

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-175730

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	240-49022-A-1 MS	Units:	ug/L	MSD Lab Sample ID:	240-49022-D-1 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/09/2015 2005			Analysis Date:	04/09/2015 2028
Prep Date:	04/09/2015 2005			Prep Date:	04/09/2015 2028
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Vinyl chloride	0.29	U	10.0	10.0	8.04	7.97
Xylenes, Total	0.52	U	20.0	20.0	17.3	17.9
Dibromochloromethane	0.43	U	10.0	10.0	9.03	8.96

Method Blank - Batch: 240-175483

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 240-175483/8	Analysis Batch:	240-175483	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX86844.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/08/2015 0314	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	0.62	U	0.62	5.0
1,1,1-Trichloroethane	0.56	U	0.56	5.0
1,1,2,2-Tetrachloroethane	0.34	U	0.34	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	U	1.3	5.0
1,1-Dichloroethane	0.36	U	0.36	5.0
1,1-Dichloroethene	0.52	U	0.52	5.0
1,1-Dichloropropene	0.30	U	0.30	5.0
1,2,3-Trichlorobenzene	0.38	U	0.38	5.0
1,2,3-Trichloropropane	0.90	U	0.90	5.0
1,2,3-Trimethylbenzene	0.17	U	0.17	5.0
1,2,4-Trichlorobenzene	0.27	U	0.27	5.0
1,2,4-Trimethylbenzene	0.65	U	0.65	5.0
1,2-Dibromo-3-Chloropropane	1.3	U	1.3	10
1,2-Dichlorobenzene	0.36	U	0.36	5.0
1,2-Dichloroethane	0.34	U	0.34	5.0
1,2-Dichloropropane	0.69	U	0.69	5.0
1,3-Dichlorobenzene	0.35	U	0.35	5.0
1,3-Dichloropropane	0.34	U	0.34	5.0
1,4-Dichlorobenzene	0.66	U	0.66	5.0
2,2-Dichloropropane	0.94	U	0.94	5.0
2-Chloroethyl vinyl ether	1.4	U	1.4	50
2-Chlorotoluene	0.40	U	0.40	5.0
2-Hexanone	0.63	U	0.63	20
Bromobenzene	0.33	U	0.33	5.0
Bromochloromethane	0.71	U	0.71	5.0
4-Chlorotoluene	0.41	U	0.41	5.0
p-Isopropyltoluene	0.21	U	0.21	5.0
Acetone	6.3	U	6.3	20
Benzene	0.23	U	0.23	5.0
Bromoform	0.33	U	0.33	5.0
Bromomethane	0.54	U	0.54	5.0
Carbon disulfide	0.44	U	0.44	5.0
Carbon tetrachloride	0.37	U	0.37	5.0
Chlorobenzene	0.33	U	0.33	5.0
Chloroethane	0.86	U	0.86	5.0
Chloroform	0.29	U	0.29	5.0
Chloromethane	0.41	U	0.41	5.0
cis-1,2-Dichloroethene	0.36	U	0.36	5.0
cis-1,3-Dichloropropene	0.34	U	0.34	5.0
Hexachlorobutadiene	1.2	U	1.2	5.0
Dibromomethane	0.63	U	0.63	5.0
Bromodichloromethane	0.28	U	0.28	5.0
Dichlorodifluoromethane	0.50	U	0.50	5.0
Ethylbenzene	0.26	U	0.26	5.0
1,2-Dibromoethane	0.50	U	0.50	5.0

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Method Blank - Batch: 240-175483

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 240-175483/8	Analysis Batch:	240-175483	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX86844.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/08/2015 0314	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Diisopropyl ether	1.5	U	1.5	10
Naphthalene	0.412	J	0.19	5.0
m-Xylene & p-Xylene	1.2	U	1.2	10
n-Butylbenzene	0.23	U	0.23	5.0
Isopropylbenzene	0.16	U	0.16	5.0
N-Propylbenzene	0.40	U	0.40	5.0
2-Butanone (MEK)	1.4	U	1.4	20
4-Methyl-2-pentanone (MIBK)	0.54	U	0.54	20
sec-Butylbenzene	0.18	U	0.18	5.0
Methyl tert-butyl ether	0.43	U	0.43	5.0
Tert-amyl methyl ether	0.37	U	0.37	5.0
Methylene Chloride	0.696	J	0.67	5.0
o-Xylene	0.35	U	0.35	5.0
Styrene	0.15	U	0.15	5.0
Ethyl-t-butyl ether (ETBE)	0.22	U	0.22	5.0
tert-Butylbenzene	0.29	U	0.29	5.0
Tetrachloroethene	0.52	U	0.52	5.0
Toluene	0.27	U	0.27	5.0
trans-1,2-Dichloroethene	0.41	U	0.41	5.0
trans-1,3-Dichloropropene	0.54	U	0.54	5.0
Trichloroethene	0.42	U	0.42	5.0
Trichlorofluoromethane	0.34	U	0.34	5.0
Vinyl acetate	0.25	U	0.25	10
Vinyl chloride	0.39	U	0.39	5.0
tert-Butyl alcohol (TBA)	7.6	U	7.6	200
Xylenes, Total	0.35	U	0.35	10
Dibromochloromethane	0.55	U	0.55	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	58 - 123
4-Bromofluorobenzene (Surr)	90	52 - 136
Toluene-d8 (Surr)	98	67 - 125
Dibromofluoromethane (Surr)	94	37 - 132

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Lab Control Sample - Batch: 240-175483

Method: 8260C
Preparation: N/A

Lab Sample ID:	LCS 240-175483/6	Analysis Batch:	240-175483	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX86842.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/08/2015 0231	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	50.0	51.1	102	80 - 120	
1,1,1-Trichloroethane	50.0	47.9	96	77 - 126	
1,1,2,2-Tetrachloroethane	50.0	53.4	107	77 - 123	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.0	96	80 - 138	
1,1-Dichloroethane	50.0	47.0	94	76 - 120	
1,1-Dichloroethene	50.0	46.9	94	75 - 135	
1,1-Dichloropropene	50.0	52.6	105	80 - 120	
1,2,3-Trichlorobenzene	50.0	43.9	88	61 - 121	
1,2,3-Trichloropropane	50.0	55.7	111	80 - 126	
1,2,4-Trichlorobenzene	50.0	47.3	95	64 - 124	
1,2,4-Trimethylbenzene	50.0	50.9	102	80 - 129	
1,2-Dibromo-3-Chloropropane	50.0	58.8	118	61 - 132	
1,2-Dichlorobenzene	50.0	47.5	95	76 - 120	
1,2-Dichloroethane	50.0	44.7	89	72 - 120	
1,2-Dichloropropane	50.0	47.8	96	80 - 120	
1,3-Dichlorobenzene	50.0	48.1	96	78 - 120	
1,3-Dichloropropane	50.0	49.9	100	80 - 120	
1,4-Dichlorobenzene	50.0	46.4	93	75 - 120	
2,2-Dichloropropane	50.0	44.0	88	69 - 135	
2-Chloroethyl vinyl ether	60.0	79.2	132	28 - 173	
2-Chlorotoluene	50.0	51.1	102	78 - 120	
2-Hexanone	100	114	114	64 - 136	
Bromobenzene	50.0	50.3	101	80 - 120	
Bromochloromethane	50.0	48.7	97	79 - 120	
4-Chlorotoluene	50.0	50.8	102	79 - 120	
p-Isopropyltoluene	50.0	51.8	104	77 - 131	
Acetone	100	104	104	41 - 137	
Benzene	50.0	47.9	96	79 - 120	
Bromoform	50.0	49.5	99	62 - 133	
Bromomethane	50.0	50.1	100	42 - 136	
Carbon disulfide	50.0	51.2	102	62 - 146	
Carbon tetrachloride	50.0	49.9	100	71 - 129	
Chlorobenzene	50.0	47.4	95	78 - 120	
Chloroethane	50.0	48.0	96	58 - 120	
Chloroform	50.0	46.3	93	77 - 120	
Chloromethane	50.0	37.9	76	50 - 120	
cis-1,2-Dichloroethene	50.0	50.0	100	76 - 120	
cis-1,3-Dichloropropene	50.0	54.0	108	74 - 128	
Hexachlorobutadiene	50.0	45.0	90	54 - 131	
Dibromomethane	50.0	49.6	99	80 - 120	
Bromodichloromethane	50.0	51.3	103	80 - 122	
Dichlorodifluoromethane	50.0	31.9	64	26 - 120	
Ethylbenzene	50.0	49.2	98	79 - 120	
1,2-Dibromoethane	50.0	53.3	107	80 - 120	
Naphthalene	50.0	52.1	104	65 - 123	
m-Xylene & p-Xylene	50.0	50.8	102	80 - 120	

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Lab Control Sample - Batch: 240-175483

Method: 8260C
Preparation: N/A

Lab Sample ID:	LCS 240-175483/6	Analysis Batch:	240-175483	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX86842.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/08/2015 0231	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
n-Butylbenzene	50.0	51.8	104	68 - 135	
Isopropylbenzene	50.0	52.6	105	76 - 122	
N-Propylbenzene	50.0	54.6	109	80 - 129	
2-Butanone (MEK)	100	101	101	52 - 131	
4-Methyl-2-pentanone (MIBK)	100	114	114	67 - 135	
sec-Butylbenzene	50.0	52.5	105	74 - 129	
Methyl tert-butyl ether	50.0	49.5	99	49 - 165	
Methylene Chloride	50.0	50.2	100	75 - 120	
o-Xylene	50.0	51.6	103	80 - 120	
Styrene	50.0	51.2	102	80 - 120	
tert-Butylbenzene	50.0	58.2	116	76 - 126	
Tetrachloroethene	50.0	47.1	94	79 - 120	
Toluene	50.0	47.8	96	75 - 120	
trans-1,2-Dichloroethene	50.0	50.5	101	78 - 120	
trans-1,3-Dichloropropene	50.0	56.2	112	73 - 131	
Trichloroethene	50.0	49.9	100	79 - 120	
Trichlorofluoromethane	50.0	46.8	94	57 - 146	
Vinyl acetate	50.0	36.8	74	70 - 130	
Vinyl chloride	50.0	41.4	83	57 - 120	
tert-Butyl alcohol (TBA)	500	571	114	60 - 125	
Xylenes, Total	100	102	102	80 - 120	
Dibromochloromethane	50.0	53.7	107	72 - 127	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	58 - 123
4-Bromofluorobenzene (Surr)	97	52 - 136
Toluene-d8 (Surr)	100	67 - 125
Dibromofluoromethane (Surr)	97	37 - 132

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-175488

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	240-49010-1	Analysis Batch:	240-175483	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-175488	Lab File ID:	UX86866.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.08 g
Analysis Date:	04/08/2015 1127			Final Weight/Volume:	5 mL
Prep Date:	04/08/2015 0523				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	240-49010-1	Analysis Batch:	240-175483	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-175488	Lab File ID:	UX86867.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.21 g
Analysis Date:	04/08/2015 1148			Final Weight/Volume:	5 mL
Prep Date:	04/08/2015 0523				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	94	85	34 - 135	12	30		
1,1,1-Trichloroethane	85	80	51 - 128	9	30		
1,1,2,2-Tetrachloroethane	92	85	16 - 179	10	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	85	80	50 - 147	8	30		
1,1-Dichloroethane	89	82	54 - 122	10	30		
1,1-Dichloroethene	87	82	49 - 157	9	30		
1,1-Dichloropropene	92	87	50 - 122	9	30		
1,2,3-Trichlorobenzene	63	55	10 - 120	16	30		
1,2,3-Trichloropropane	95	91	32 - 174	7	30		
1,2,4-Trichlorobenzene	70	60	10 - 120	18	30		
1,2,4-Trimethylbenzene	86	75	10 - 173	17	30		
1,2-Dibromo-3-Chloropropane	89	83	10 - 153	9	30		
1,2-Dichlorobenzene	83	73	17 - 122	15	30		
1,2-Dichloroethane	81	78	49 - 123	7	30		
1,2-Dichloropropane	88	82	61 - 120	10	30		
1,3-Dichlorobenzene	82	74	16 - 126	13	30		
1,3-Dichloropropane	91	86	54 - 128	8	30		
1,4-Dichlorobenzene	79	70	15 - 121	14	30		
2,2-Dichloropropane	81	69	49 - 132	18	30		
2-Chloroethyl vinyl ether	140	135	10 - 162	7	30	J	J
2-Chlorotoluene	93	83	11 - 162	14	30		
2-Hexanone	84	83	37 - 147	4	30		
Bromobenzene	93	81	24 - 144	16	30		
Bromochloromethane	90	86	53 - 120	7	30		
4-Chlorotoluene	89	81	15 - 149	12	30		
p-Isopropyltoluene	84	72	10 - 165	17	30		
Acetone	71	76	24 - 140	4	30		
Benzene	89	83	53 - 120	9	30		
Bromoform	77	70	18 - 129	11	30		
Bromomethane	93	78	33 - 130	19	30		
Carbon disulfide	88	83	20 - 151	8	30		
Carbon tetrachloride	84	80	32 - 137	7	30		
Chlorobenzene	89	82	37 - 120	11	30		

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-175488

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	240-49010-1	Analysis Batch:	240-175483	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-175488	Lab File ID:	UX86866.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.08 g
Analysis Date:	04/08/2015 1127			Final Weight/Volume:	5 mL
Prep Date:	04/08/2015 0523				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	240-49010-1	Analysis Batch:	240-175483	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-175488	Lab File ID:	UX86867.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.21 g
Analysis Date:	04/08/2015 1148			Final Weight/Volume:	5 mL
Prep Date:	04/08/2015 0523				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloroethane	88	75	45 - 120	18	30		
Chloroform	88	80	53 - 120	12	30		
Chloromethane	73	64	34 - 120	15	30		
cis-1,2-Dichloroethene	95	86	50 - 120	12	30		
cis-1,3-Dichloropropene	92	85	27 - 133	11	30		
Hexachlorobutadiene	64	51	10 - 131	26	30		
Dibromomethane	92	84	52 - 123	12	30		
Bromodichloromethane	89	85	35 - 132	8	30		
Dichlorodifluoromethane	55	49	17 - 120	14	30		
Ethylbenzene	89	81	30 - 131	12	30		
1,2-Dibromoethane	97	91	45 - 127	9	30		
Naphthalene	78	73	10 - 124	10	30		
m-Xylene & p-Xylene	90	82	29 - 131	11	30		
n-Butylbenzene	79	65	10 - 148	22	30		
Isopropylbenzene	93	83	21 - 134	14	30		
N-Propylbenzene	93	82	10 - 178	14	30		
2-Butanone (MEK)	83	82	30 - 143	4	30		
4-Methyl-2-pentanone (MIBK)	89	88	43 - 147	3	30		
sec-Butylbenzene	89	76	10 - 172	18	30		
Methyl tert-butyl ether	90	84	51 - 157	10	30		
Methylene Chloride	99	89	54 - 120	14	30		
o-Xylene	97	84	29 - 134	17	30		
Styrene	90	80	27 - 127	14	30		
tert-Butylbenzene	104	82	10 - 163	26	30		
Tetrachloroethene	86	76	31 - 135	15	30		
Toluene	91	83	39 - 129	12	30		
trans-1,2-Dichloroethene	92	87	50 - 123	8	30		
trans-1,3-Dichloropropene	92	85	28 - 137	11	30		
Trichloroethene	90	85	10 - 177	9	30		
Trichlorofluoromethane	84	76	36 - 142	13	30		
Vinyl acetate	4	1	70 - 130	106	30	J F1	J F1 F2
Vinyl chloride	77	71	42 - 120	12	30		
tert-Butyl alcohol (TBA)	86	90	60 - 125	2	30		

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-175488

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	240-49010-1	Analysis Batch:	240-175483	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-175488	Lab File ID:	UX86866.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.08 g
Analysis Date:	04/08/2015 1127			Final Weight/Volume:	5 mL
Prep Date:	04/08/2015 0523				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	240-49010-1	Analysis Batch:	240-175483	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-175488	Lab File ID:	UX86867.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.21 g
Analysis Date:	04/08/2015 1148			Final Weight/Volume:	5 mL
Prep Date:	04/08/2015 0523				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Xylenes, Total	93	83	30 - 131	14	30		
Dibromochloromethane	94	82	29 - 135	16	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	86	58 - 123
4-Bromofluorobenzene (Surr)	98	91	52 - 136
Toluene-d8 (Surr)	106	98	67 - 125
Dibromofluoromethane (Surr)	97	93	37 - 132

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-175488

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	240-49010-1	Units:	ug/Kg	MSD Lab Sample ID:	240-49010-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/08/2015 1127			Analysis Date:	04/08/2015 1148
Prep Date:	04/08/2015 0523			Prep Date:	04/08/2015 0523
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1,1,2-Tetrachloroethane	0.65	U	26.6	25.9	24.9		22.1	
1,1,1-Trichloroethane	0.59	U	26.6	25.9	22.7		20.8	
1,1,2,2-Tetrachloroethane	0.36	U	26.6	25.9	24.5		22.1	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	26.6	25.9	22.5		20.8	
1,1-Dichloroethane	0.38	U	26.6	25.9	23.7		21.3	
1,1-Dichloroethene	0.55	U	26.6	25.9	23.2		21.2	
1,1-Dichloropropene	0.32	U	26.6	25.9	24.6		22.5	
1,2,3-Trichlorobenzene	0.40	U	26.6	25.9	16.8		14.2	
1,2,3-Trichloropropane	0.95	U	26.6	25.9	25.4		23.7	
1,2,4-Trichlorobenzene	0.28	U	26.6	25.9	18.6		15.6	
1,2,4-Trimethylbenzene	0.68	U	26.6	25.9	23.0		19.4	
1,2-Dibromo-3-Chloropropane	1.4	U	26.6	25.9	23.6		21.5	
1,2-Dichlorobenzene	0.38	U	26.6	25.9	22.0		19.0	
1,2-Dichloroethane	0.36	U	26.6	25.9	21.6		20.1	
1,2-Dichloropropane	0.72	U	26.6	25.9	23.4		21.2	
1,3-Dichlorobenzene	0.37	U	26.6	25.9	21.7		19.1	
1,3-Dichloropropane	0.36	U	26.6	25.9	24.3		22.4	
1,4-Dichlorobenzene	0.69	U	26.6	25.9	21.0		18.3	
2,2-Dichloropropane	0.99	U	26.6	25.9	21.4		17.9	
2-Chloroethyl vinyl ether	1.5	U	31.9	31.1	44.8	J	41.8	J
2-Chlorotoluene	0.42	U	26.6	25.9	24.6		21.4	
2-Hexanone	0.66	U	53.1	51.8	44.9		43.3	
Bromobenzene	0.35	U	26.6	25.9	24.7		21.0	
Bromochloromethane	0.75	U	26.6	25.9	24.0		22.4	
4-Chlorotoluene	0.43	U	26.6	25.9	23.7		20.9	
p-Isopropyltoluene	0.22	U	26.6	25.9	22.2		18.7	
Acetone	6.6	U	53.1	51.8	37.8		39.3	
Benzene	0.24	U	26.6	25.9	23.6		21.4	
Bromoform	0.35	U	26.6	25.9	20.4		18.3	
Bromomethane	0.57	U	26.6	25.9	24.6		20.3	
Carbon disulfide	0.46	U	26.6	25.9	23.4		21.5	
Carbon tetrachloride	0.39	U	26.6	25.9	22.3		20.8	
Chlorobenzene	0.35	U	26.6	25.9	23.7		21.1	
Chloroethane	0.90	U	26.6	25.9	23.3		19.4	
Chloroform	0.30	U	26.6	25.9	23.5		20.9	
Chloromethane	0.43	U	26.6	25.9	19.4		16.7	
cis-1,2-Dichloroethene	0.38	U	26.6	25.9	25.1		22.3	
cis-1,3-Dichloropropene	0.36	U	26.6	25.9	24.5		21.9	
Hexachlorobutadiene	1.3	U	26.6	25.9	17.1		13.2	
Dibromomethane	0.66	U	26.6	25.9	24.5		21.8	
Bromodichloromethane	0.29	U	26.6	25.9	23.7		21.9	
Dichlorodifluoromethane	0.53	U	26.6	25.9	14.7		12.8	
Ethylbenzene	0.27	U	26.6	25.9	23.6		20.9	

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-175488

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	240-49010-1	Units:	ug/Kg	MSD Lab Sample ID:	240-49010-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/08/2015 1127			Analysis Date:	04/08/2015 1148
Prep Date:	04/08/2015 0523			Prep Date:	04/08/2015 0523
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,2-Dibromoethane	0.53	U	26.6	25.9	25.8		23.6	
Naphthalene	0.20	U	26.6	25.9	20.8		18.8	
m-Xylene & p-Xylene	1.3	U	26.6	25.9	23.9		21.3	
n-Butylbenzene	0.24	U	26.6	25.9	20.9		16.8	
Isopropylbenzene	0.17	U	26.6	25.9	24.6		21.4	
N-Propylbenzene	0.42	U	26.6	25.9	24.7		21.4	
2-Butanone (MEK)	1.5	U	53.1	51.8	44.2		42.7	
4-Methyl-2-pentanone (MIBK)	0.57	U	53.1	51.8	47.2		45.8	
sec-Butylbenzene	0.19	U	26.6	25.9	23.6		19.6	
Methyl tert-butyl ether	0.45	U	26.6	25.9	24.0		21.8	
Methylene Chloride	0.70	U	26.6	25.9	26.4		23.0	
o-Xylene	0.37	U	26.6	25.9	25.7		21.7	
Styrene	0.16	U	26.6	25.9	24.0		20.8	
tert-Butylbenzene	0.30	U	26.6	25.9	27.5		21.1	
Tetrachloroethene	0.55	U	26.6	25.9	22.9		19.6	
Toluene	0.28	U	26.6	25.9	24.2		21.4	
trans-1,2-Dichloroethene	0.43	U	26.6	25.9	24.4		22.4	
trans-1,3-Dichloropropene	0.57	U	26.6	25.9	24.4		21.9	
Trichloroethene	0.44	U	26.6	25.9	24.0		21.9	
Trichlorofluoromethane	0.36	U	26.6	25.9	22.4		19.6	
Vinyl acetate	0.26	U	26.6	25.9	0.970	J F1	0.300	J F1 F2
Vinyl chloride	0.41	U	26.6	25.9	20.6		18.3	
tert-Butyl alcohol (TBA)	8.0	U	266	259	228		233	
Xylenes, Total	0.37	U	53.1	51.8	49.6		43.0	
Dibromochloromethane	0.58	U	26.6	25.9	24.9		21.2	

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Method Blank - Batch: 240-175545

Method: 8270D
Preparation: 3540C

Lab Sample ID:	MB 240-175545/18-A	Analysis Batch:	240-175891	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-175545	Lab File ID:	50410005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	04/10/2015 0927	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	04/08/2015 0916			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	3.5	U	3.5	50
1,4-Dioxane	22	U	22	100
2,4,6-Trichlorophenol	8.9	U	8.9	150
2,4,5-Trichlorophenol	25	U	25	150
2,4-Dichlorophenol	20	U	20	150
2,4-Dimethylphenol	20	U	20	150
2,4-Dinitrophenol	21	U	21	330
2,4-Dinitrotoluene	17	U	17	200
2-Chloronaphthalene	0.45	U	0.45	50
2-Chlorophenol	8.2	U	8.2	50
2-Methylnaphthalene	0.50	U	0.50	6.7
2-Methylphenol	11	U	11	200
2-Nitroaniline	9.1	U	9.1	200
2-Nitrophenol	8.3	U	8.3	50
3 & 4 Methylphenol	20	U	20	400
3,3'-Dichlorobenzidine	18	U	18	100
3-Nitroaniline	16	U	16	200
4,6-Dinitro-2-methylphenol	9.2	U	9.2	150
4-Bromophenyl phenyl ether	13	U	13	50
4-Chloro-3-methylphenol	21	U	21	150
4-Chloroaniline	17	U	17	150
4-Chlorophenyl phenyl ether	13	U	13	50
4-Nitroaniline	26	U	26	200
Acenaphthene	0.76	U	0.76	6.7
Acenaphthylene	0.35	U	0.35	6.7
Acetophenone	9.2	U	9.2	100
Anthracene	0.78	U	0.78	6.7
Atrazine	9.1	U	9.1	200
Benzaldehyde	12	U	12	100
Benzo[a]anthracene	0.63	U	0.63	6.7
Benzo[a]pyrene	0.64	U	0.64	6.7
Benzo[b]fluoranthene	0.59	U	0.59	6.7
Benzo[g,h,i]perylene	0.35	U	0.35	6.7
Benzo[k]fluoranthene	0.68	U	0.68	6.7
Bis(2-chloroethoxy)methane	22	U	22	100
Bis(2-chloroethyl)ether	2.0	U	2.0	100
Bis(2-ethylhexyl) phthalate	91.6		19	70
Butyl benzyl phthalate	10	U	10	70
Caprolactam	37	U	37	330
Carbazole	27	U	27	50
Chrysene	1.1	U	1.1	6.7
Di-n-butyl phthalate	15	U	15	70
Di-n-octyl phthalate	7.9	U	7.9	70
Dibenz(a,h)anthracene	0.66	U	0.66	6.7
Dibenzofuran	0.66	U	0.66	50

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Method Blank - Batch: 240-175545

Method: 8270D
Preparation: 3540C

Lab Sample ID:	MB 240-175545/18-A	Analysis Batch:	240-175891	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-175545	Lab File ID:	50410005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	04/10/2015 0927	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	04/08/2015 0916			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Diethyl phthalate	16	U	16	70
Dimethyl phthalate	17	U	17	70
Fluoranthene	0.55	U	0.55	6.7
Fluorene	0.53	U	0.53	6.7
Hexachlorobenzene	2.1	U	2.1	6.7
Hexachlorobutadiene	5.6	U	5.6	50
Hexachlorocyclopentadiene	8.1	U	8.1	330
Hexachloroethane	9.0	U	9.0	50
Indeno[1,2,3-cd]pyrene	0.35	U	0.35	6.7
Isophorone	13	U	13	50
N-Nitrosodi-n-propylamine	6.3	U	6.3	50
N-Nitrosodimethylamine	16	U	16	100
N-Nitrosodiphenylamine	21	U	21	50
Naphthalene	0.82	U	0.82	6.7
Nitrobenzene	2.2	U	2.2	100
Pentachlorophenol	9.1	U	9.1	150
Phenanthrene	0.73	U	0.73	6.7
Phenol	7.3	U	7.3	50
Pyrene	0.44	U	0.44	6.7
2,2'-oxybis[1-chloropropane]	9.5	U	9.5	100
2,6-Dinitrotoluene	21	U	21	200
4-Nitrophenol	17	U	17	330

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	78	36 - 110
Phenol-d5 (Surr)	81	26 - 110
Nitrobenzene-d5 (Surr)	75	20 - 110
2-Fluorophenol (Surr)	77	24 - 110
2-Fluorobiphenyl (Surr)	82	24 - 110
2,4,6-Tribromophenol (Surr)	42	10 - 110

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Lab Control Sample - Batch: 240-175545

Method: 8270D
Preparation: 3540C

Lab Sample ID:	LCS 240-175545/19-A	Analysis Batch:	240-175891	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-175545	Lab File ID:	50410006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	04/10/2015 0952	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	04/08/2015 0916			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	667	532	80	35 - 110	
1,4-Dioxane	667	336	50	10 - 110	
2,4,6-Trichlorophenol	667	491	74	12 - 110	
2,4,5-Trichlorophenol	667	479	72	25 - 110	
2,4-Dichlorophenol	667	557	83	39 - 110	
2,4-Dimethylphenol	667	427	64	29 - 110	
2,4-Dinitrophenol	1330	577	43	10 - 110	
2,4-Dinitrotoluene	667	584	88	48 - 110	
2-Chloronaphthalene	667	551	83	32 - 110	
2-Chlorophenol	667	546	82	37 - 110	
2-Methylnaphthalene	667	539	81	36 - 110	
2-Methylphenol	667	515	77	41 - 110	
2-Nitroaniline	667	560	84	45 - 110	
2-Nitrophenol	667	570	85	34 - 110	
3 & 4 Methylphenol	667	544	82	40 - 110	
3,3'-Dichlorobenzidine	1330	1040	78	28 - 110	
3-Nitroaniline	667	563	84	44 - 110	
4,6-Dinitro-2-methylphenol	1330	811	61	10 - 110	
4-Bromophenyl phenyl ether	667	566	85	39 - 110	
4-Chloro-3-methylphenol	667	552	83	48 - 110	
4-Chloroaniline	667	489	73	30 - 110	
4-Chlorophenyl phenyl ether	667	541	81	40 - 110	
4-Nitroaniline	667	560	84	48 - 110	
Acenaphthene	667	529	79	38 - 110	
Acenaphthylene	667	509	76	40 - 110	
Acetophenone	667	545	82	40 - 110	
Anthracene	667	525	79	48 - 110	
Atrazine	1330	1060	80	66 - 127	
Benzaldehyde	1330	1290	97	32 - 110	
Benzo[a]anthracene	667	527	79	50 - 110	
Benzo[a]pyrene	667	533	80	44 - 110	
Benzo[b]fluoranthene	667	521	78	43 - 110	
Benzo[g,h,i]perylene	667	625	94	51 - 110	
Benzo[k]fluoranthene	667	573	86	38 - 105	
Bis(2-chloroethoxy)methane	667	557	83	32 - 110	
Bis(2-chloroethyl)ether	667	540	81	34 - 110	
Bis(2-ethylhexyl) phthalate	667	576	86	50 - 110	
Butyl benzyl phthalate	667	524	79	51 - 110	
Caprolactam	1330	1230	92	44 - 114	
Carbazole	667	549	82	50 - 110	
Chrysene	667	568	85	50 - 110	
Di-n-butyl phthalate	667	584	88	51 - 110	
Di-n-octyl phthalate	667	524	79	48 - 110	
Dibenz(a,h)anthracene	667	593	89	51 - 110	
Dibenzofuran	667	540	81	43 - 110	
Diethyl phthalate	667	543	81	52 - 110	

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Lab Control Sample - Batch: 240-175545

Method: 8270D
Preparation: 3540C

Lab Sample ID:	LCS 240-175545/19-A	Analysis Batch:	240-175891	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-175545	Lab File ID:	50410006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	04/10/2015 0952	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	04/08/2015 0916			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dimethyl phthalate	667	557	84	50 - 110	
Fluoranthene	667	561	84	51 - 110	
Fluorene	667	512	77	46 - 110	
Hexachlorobenzene	667	535	80	43 - 110	
Hexachlorobutadiene	667	580	87	29 - 110	
Hexachlorocyclopentadiene	667	379	57	12 - 110	
Hexachloroethane	667	533	80	30 - 110	
Indeno[1,2,3-cd]pyrene	667	602	90	50 - 110	
Isophorone	667	545	82	36 - 110	
N-Nitrosodi-n-propylamine	667	563	84	38 - 110	
N-Nitrosodimethylamine	667	536	80	31 - 110	
N-Nitrosodiphenylamine	1330	1000	75	46 - 110	
Naphthalene	667	527	79	36 - 110	
Nitrobenzene	667	560	84	32 - 110	
Pentachlorophenol	1330	755	57	10 - 110	
Phenanthrene	667	522	78	49 - 110	
Phenol	667	559	84	38 - 110	
Pyrene	667	549	82	49 - 110	
2,2'-oxybis[1-chloropropane]	667	491	74	29 - 110	
2,6-Dinitrotoluene	667	584	88	45 - 110	
4-Nitrophenol	1330	1140	86	28 - 110	

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	76	36 - 110
Phenol-d5 (Surr)	85	26 - 110
Nitrobenzene-d5 (Surr)	83	20 - 110
2-Fluorophenol (Surr)	83	24 - 110
2-Fluorobiphenyl (Surr)	82	24 - 110
2,4,6-Tribromophenol (Surr)	72	10 - 110

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Method Blank - Batch: 240-175570

Method: 8015C
Preparation: 5030A

Lab Sample ID:	MB 240-175570/1-A	Analysis Batch:	240-175575	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-175570	Lab File ID:	Y0040825.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/09/2015 0156	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/08/2015 1104			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Gasoline Range Organics [C6 - C10]	46	U	46	100

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	81	40 - 139

Lab Control Sample - Batch: 240-175570

Method: 8015C
Preparation: 5030A

Lab Sample ID:	LCS 240-175570/2-A	Analysis Batch:	240-175575	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-175570	Lab File ID:	Y0040826.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/09/2015 0231	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/08/2015 1104			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Gasoline Range Organics [C6 - C10]	800	769	96	74 - 120	

Surrogate	% Rec	Acceptance Limits
Trifluorotoluene (Surr)	100	40 - 139

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-175570

Method: 8015C
Preparation: 5030A

MS Lab Sample ID:	180-42592-G-10-C MS	Analysis Batch:	240-175575	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-175570	Lab File ID:	Y0040828.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.05 g
Analysis Date:	04/09/2015 0340			Final Weight/Volume:	5 mL
Prep Date:	04/08/2015 1104			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	180-42592-G-10-D MSD	Analysis Batch:	240-175575	Instrument ID:	YPID
Client Matrix:	Solid	Prep Batch:	240-175570	Lab File ID:	Y0040829.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.04 g
Analysis Date:	04/09/2015 0414			Final Weight/Volume:	5 mL
Prep Date:	04/08/2015 1104			Injection Volume:	5 mL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Gasoline Range Organics [C6 - C10]	63	67	10 - 136	6	40		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Trifluorotoluene (Surr)	81	90	40 - 139

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-175570

Method: 8015C
Preparation: 5030A

MS Lab Sample ID:	180-42592-G-10-C MS	Units:	ug/Kg	MSD Lab Sample ID:	180-42592-G-10-D MSD
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/09/2015 0340			Analysis Date:	04/09/2015 0414
Prep Date:	04/08/2015 1104			Prep Date:	04/08/2015 1104
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Gasoline Range Organics [C6 - C10]	54	U	928	930	587	624

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Method Blank - Batch: 240-175550

Method: 8015C
Preparation: 3540C

Lab Sample ID:	MB 240-175550/7-A	Analysis Batch:	240-175823	Instrument ID:	A2HP5F
Client Matrix:	Solid	Prep Batch:	240-175550	Lab File ID:	P5F40916.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	04/09/2015 2223	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/08/2015 0935			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Total Petroleum Hydrocarbons (C10-C32)	4.1	U	4.1	17

Surrogate	% Rec	Acceptance Limits
o-Terphenyl (Surr)	92	40 - 160

Lab Control Sample - Batch: 240-175550

Method: 8015C
Preparation: 3540C

Lab Sample ID:	LCS 240-175550/8-A	Analysis Batch:	240-175823	Instrument ID:	A2HP5F
Client Matrix:	Solid	Prep Batch:	240-175550	Lab File ID:	P5F40917.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	04/09/2015 2253	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/08/2015 0935			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel	83.3	70.4	85	52 - 120	

Surrogate	% Rec	Acceptance Limits
o-Terphenyl (Surr)	87	40 - 160

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-175550

Method: 8015C
Preparation: 3540C

MS Lab Sample ID:	240-49010-1	Analysis Batch:	240-175823	Instrument ID:	A2HP5F
Client Matrix:	Solid	Prep Batch:	240-175550	Lab File ID:	P5F40921.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.38 g
Analysis Date:	04/10/2015 0055			Final Weight/Volume:	5 mL
Prep Date:	04/08/2015 0935			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-49010-1	Analysis Batch:	240-175823	Instrument ID:	A2HP5F
Client Matrix:	Solid	Prep Batch:	240-175550	Lab File ID:	P5F40922.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.29 g
Analysis Date:	04/10/2015 0125			Final Weight/Volume:	5 mL
Prep Date:	04/08/2015 0935			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel	73	66	10 - 124	9	40		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
o-Terphenyl (Surr)	93	87	40 - 160

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-175550

Method: 8015C
Preparation: 3540C

MS Lab Sample ID:	240-49010-1	Units:	mg/Kg	MSD Lab Sample ID:	240-49010-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/10/2015 0055			Analysis Date:	04/10/2015 0125
Prep Date:	04/08/2015 0935			Prep Date:	04/08/2015 0935
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Diesel	9.1	J	88.9	89.1	74.4	68.3

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Method Blank - Batch: 240-175553

Method: 8082A
Preparation: 3540C

Lab Sample ID:	MB 240-175553/17-A	Analysis Batch:	240-175923	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-175553	Lab File ID:	P4000008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	04/10/2015 1219	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/08/2015 0949			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	12	U	12	33
Aroclor-1221	16	U	16	33
Aroclor-1232	20	U	20	33
Aroclor-1242	11	U	11	33
Aroclor-1248	8.0	U	8.0	33
Aroclor-1254	14	U	14	33
Aroclor-1260	9.0	U	9.0	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	61	29 - 151
DCB Decachlorobiphenyl	95	14 - 163

Lab Control Sample - Batch: 240-175553

Method: 8082A
Preparation: 3540C

Lab Sample ID:	LCS 240-175553/18-A	Analysis Batch:	240-175923	Instrument ID:	A2HP4
Client Matrix:	Solid	Prep Batch:	240-175553	Lab File ID:	P4000009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	04/10/2015 1235	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/08/2015 0949			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	252	76	62 - 120	
Aroclor-1260	333	311	93	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	64	29 - 151
DCB Decachlorobiphenyl	101	14 - 163

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Method Blank - Batch: 240-175558 **Method: 6010C**
Preparation: 3050B

Lab Sample ID:	MB 240-175558/1-A	Analysis Batch:	240-175886	Instrument ID:	I12
Client Matrix:	Solid	Prep Batch:	240-175558	Lab File ID:	I12040915A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/09/2015 0956	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/08/2015 1026				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Silver	0.063	U	0.063	1.0
Arsenic	0.41	U	0.41	1.5
Barium	0.41	U	0.41	20
Beryllium	0.026	U	0.026	0.50
Cadmium	0.021	U	0.021	0.50
Cobalt	0.047	U	0.047	1.0
Chromium	0.075	U	0.075	1.0
Molybdenum	0.059	U	0.059	4.0
Nickel	0.080	U	0.080	4.0
Lead	0.022	U	0.022	1.0
Selenium	0.34	U	0.34	2.0
Vanadium	0.20	U	0.20	1.0
Zinc	0.56	U	0.56	5.0
Antimony	0.48	U	0.48	2.0
Thallium	0.13	U	0.13	2.0

Method Blank - Batch: 240-175558 **Method: 6010C**
Preparation: 3050B

Lab Sample ID:	MB 240-175558/1-A	Analysis Batch:	240-175933	Instrument ID:	I9
Client Matrix:	Solid	Prep Batch:	240-175558	Lab File ID:	I9041015A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/10/2015 1001	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/08/2015 1026				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Copper	0.23	U	0.23	2.5

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Lab Control Sample - Batch: 240-175558

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCS 240-175558/2-A	Analysis Batch:	240-175886	Instrument ID:	I12
Client Matrix:	Solid	Prep Batch:	240-175558	Lab File ID:	I12040915A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/09/2015 1000	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/08/2015 1026				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	5.00	4.75	95	80 - 120	
Arsenic	200	198	99	80 - 120	
Barium	200	193	97	80 - 120	
Beryllium	5.00	4.68	94	80 - 120	
Cadmium	5.00	5.13	103	80 - 120	
Cobalt	50.0	47.7	95	80 - 120	
Chromium	20.0	19.2	96	80 - 120	
Molybdenum	100	99.9	100	80 - 120	
Nickel	50.0	48.9	98	80 - 120	
Lead	50.0	47.7	95	80 - 120	
Selenium	200	194	97	80 - 120	
Vanadium	50.0	49.1	98	80 - 120	
Zinc	50.0	48.9	98	80 - 120	
Antimony	50.0	50.8	102	80 - 120	
Thallium	200	190	95	80 - 120	

Lab Control Sample - Batch: 240-175558

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCS 240-175558/2-A	Analysis Batch:	240-175933	Instrument ID:	I9
Client Matrix:	Solid	Prep Batch:	240-175558	Lab File ID:	I9041015A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/10/2015 1006	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/08/2015 1026				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Copper	25.0	24.5	98	80 - 120	

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Method Blank - Batch: 240-175585

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 240-175585/1-A	Analysis Batch:	240-175776	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-175585	Lab File ID:	040915AHG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/09/2015 1003	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/08/2015 1500				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.014	U	0.014	0.10

Lab Control Sample - Batch: 240-175585

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 240-175585/2-A	Analysis Batch:	240-175776	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-175585	Lab File ID:	040915AHG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/09/2015 1008	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	04/08/2015 1500				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.790	95	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-175585

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-49031-G-7-M MS	Analysis Batch:	240-175776	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-175585	Lab File ID:	040915AHG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.55 g
Analysis Date:	04/09/2015 1012			Final Weight/Volume:	100 mL
Prep Date:	04/08/2015 1500				
Leach Date:	N/A				

MSD Lab Sample ID:	240-49031-G-7-N MSD	Analysis Batch:	240-175776	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-175585	Lab File ID:	040915AHG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.55 g
Analysis Date:	04/09/2015 1014			Final Weight/Volume:	100 mL
Prep Date:	04/08/2015 1500				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	107	107	80 - 120	0	20		

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-175585

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	240-49031-G-7-M MS	Units:	mg/Kg	MSD Lab Sample ID:	240-49031-G-7-N MSD
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/09/2015 1012			Analysis Date:	04/09/2015 1014
Prep Date:	04/08/2015 1500			Prep Date:	04/08/2015 1500
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	0.016	U	0.217	0.217	0.231	0.232

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Duplicate - Batch: 240-175452

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-49010-1	Analysis Batch:	240-175452	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	04/07/2015 1517	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	93	89	4	20	
Percent Moisture	7.4	11	41	20	F3

DATA REPORTING QUALIFIERS

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	F1	MS and/or MSD Recovery exceeds the control limits
	F2	MS/MSD RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC VOA		
	U	Indicates the analyte was analyzed for but not detected.
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
Metals		
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	F3	Duplicate RPD exceeds the control limit

Client: Tetra Tech, Inc. Job Number: 240-49010-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-175483					
LCS 240-175483/6	Lab Control Sample	T	Solid	8260C	
MB 240-175483/8	Method Blank	T	Solid	8260C	
240-49010-1	FILL-001	T	Solid	8260C	240-175488
240-49010-1MS	Matrix Spike	T	Solid	8260C	240-175488
240-49010-1MSD	Matrix Spike Duplicate	T	Solid	8260C	240-175488
Prep Batch: 240-175488					
240-49010-1	FILL-001	T	Solid	5030C	
240-49010-1MS	Matrix Spike	T	Solid	5030C	
240-49010-1MSD	Matrix Spike Duplicate	T	Solid	5030C	
Analysis Batch:240-175730					
LCS 240-175730/4	Lab Control Sample	T	Water	8260B	
MB 240-175730/6	Method Blank	T	Water	8260B	
240-49010-2TB	TB-040615	T	Water	8260B	
240-49022-A-1 MS	Matrix Spike	T	Water	8260B	
240-49022-D-1 MSD	Matrix Spike Duplicate	T	Water	8260B	

Report Basis
T = Total

GC/MS Semi VOA

Prep Batch: 240-175545					
LCS 240-175545/19-A	Lab Control Sample	T	Solid	3540C	
MB 240-175545/18-A	Method Blank	T	Solid	3540C	
240-49010-1	FILL-001	T	Solid	3540C	
Analysis Batch:240-175891					
LCS 240-175545/19-A	Lab Control Sample	T	Solid	8270D	240-175545
MB 240-175545/18-A	Method Blank	T	Solid	8270D	240-175545
240-49010-1	FILL-001	T	Solid	8270D	240-175545

Report Basis
T = Total

Client: Tetra Tech, Inc. Job Number: 240-49010-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 240-175570					
LCS 240-175570/2-A	Lab Control Sample	T	Solid	5030A	
MB 240-175570/1-A	Method Blank	T	Solid	5030A	
180-42592-G-10-C MS	Matrix Spike	T	Solid	5030A	
180-42592-G-10-D MSD	Matrix Spike Duplicate	T	Solid	5030A	
240-49010-1	FILL-001	T	Solid	5030A	
Analysis Batch:240-175575					
LCS 240-175570/2-A	Lab Control Sample	T	Solid	8015C	240-175570
MB 240-175570/1-A	Method Blank	T	Solid	8015C	240-175570
180-42592-G-10-C MS	Matrix Spike	T	Solid	8015C	240-175570
180-42592-G-10-D MSD	Matrix Spike Duplicate	T	Solid	8015C	240-175570
240-49010-1	FILL-001	T	Solid	8015C	240-175570

Report Basis

T = Total

Client: Tetra Tech, Inc. Job Number: 240-49010-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-175550					
LCS 240-175550/8-A	Lab Control Sample	T	Solid	3540C	
MB 240-175550/7-A	Method Blank	T	Solid	3540C	
240-49010-1	FILL-001	T	Solid	3540C	
240-49010-1MS	Matrix Spike	T	Solid	3540C	
240-49010-1MSD	Matrix Spike Duplicate	T	Solid	3540C	
Prep Batch: 240-175553					
LCS 240-175553/18-A	Lab Control Sample	T	Solid	3540C	
MB 240-175553/17-A	Method Blank	T	Solid	3540C	
240-49010-1	FILL-001	T	Solid	3540C	
Analysis Batch:240-175823					
LCS 240-175550/8-A	Lab Control Sample	T	Solid	8015C	240-175550
MB 240-175550/7-A	Method Blank	T	Solid	8015C	240-175550
240-49010-1	FILL-001	T	Solid	8015C	240-175550
240-49010-1MS	Matrix Spike	T	Solid	8015C	240-175550
240-49010-1MSD	Matrix Spike Duplicate	T	Solid	8015C	240-175550
Analysis Batch:240-175923					
LCS 240-175553/18-A	Lab Control Sample	T	Solid	8082A	240-175553
MB 240-175553/17-A	Method Blank	T	Solid	8082A	240-175553
240-49010-1	FILL-001	T	Solid	8082A	240-175553

Report Basis
T = Total

Client: Tetra Tech, Inc. Job Number: 240-49010-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-175558					
LCS 240-175558/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-175558/1-A	Method Blank	T	Solid	3050B	
240-49010-1	FILL-001	T	Solid	3050B	
Prep Batch: 240-175585					
LCS 240-175585/2-A	Lab Control Sample	T	Solid	7471A	
MB 240-175585/1-A	Method Blank	T	Solid	7471A	
240-49010-1	FILL-001	T	Solid	7471A	
240-49031-G-7-M MS	Matrix Spike	T	Solid	7471A	
240-49031-G-7-N MSD	Matrix Spike Duplicate	T	Solid	7471A	
Analysis Batch:240-175776					
LCS 240-175585/2-A	Lab Control Sample	T	Solid	7471A	240-175585
MB 240-175585/1-A	Method Blank	T	Solid	7471A	240-175585
240-49010-1	FILL-001	T	Solid	7471A	240-175585
240-49031-G-7-M MS	Matrix Spike	T	Solid	7471A	240-175585
240-49031-G-7-N MSD	Matrix Spike Duplicate	T	Solid	7471A	240-175585
Analysis Batch:240-175886					
LCS 240-175558/2-A	Lab Control Sample	T	Solid	6010C	240-175558
MB 240-175558/1-A	Method Blank	T	Solid	6010C	240-175558
240-49010-1	FILL-001	T	Solid	6010C	240-175558
Analysis Batch:240-175933					
LCS 240-175558/2-A	Lab Control Sample	T	Solid	6010C	240-175558
MB 240-175558/1-A	Method Blank	T	Solid	6010C	240-175558
240-49010-1	FILL-001	T	Solid	6010C	240-175558

Report Basis
T = Total

General Chemistry

Analysis Batch:240-175452					
240-49010-1	FILL-001	T	Solid	Moisture	
240-49010-1DU	Duplicate	T	Solid	Moisture	

Report Basis
T = Total

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Laboratory Chronicle

Lab ID: 240-49010-1 **Client ID:** FILL-001

Sample Date/Time: 04/06/2015 15:00 Received Date/Time: 04/07/2015 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	240-49010-B-1-A		240-175483	240-175488	04/08/2015 05:23	1	TAL CAN	TJL2
A:8260C	240-49010-B-1-A		240-175483	240-175488	04/08/2015 11:06	1	TAL CAN	SAM
P:3540C	240-49010-E-1-A		240-175891	240-175545	04/08/2015 09:16	1	TAL CAN	SDE
A:8270D	240-49010-E-1-A		240-175891	240-175545	04/10/2015 16:57	1	TAL CAN	MRU
P:5030A	240-49010-C-1-A		240-175575	240-175570	04/08/2015 11:04	1	TAL CAN	RTR
A:8015C	240-49010-C-1-A		240-175575	240-175570	04/09/2015 06:34	1	TAL CAN	RTR
P:3540C	240-49010-E-1-B		240-175823	240-175550	04/08/2015 09:35	1	TAL CAN	SDE
A:8015C	240-49010-E-1-B		240-175823	240-175550	04/10/2015 00:24	1	TAL CAN	DEB
P:3540C	240-49010-E-1-E		240-175923	240-175553	04/08/2015 09:49	1	TAL CAN	SDE
A:8082A	240-49010-E-1-E		240-175923	240-175553	04/10/2015 15:27	1	TAL CAN	HMB
P:3050B	240-49010-E-1-F		240-175886	240-175558	04/08/2015 10:26	1	TAL CAN	DEE
A:6010C	240-49010-E-1-F		240-175886	240-175558	04/09/2015 10:04	1	TAL CAN	ADS
P:3050B	240-49010-E-1-F		240-175933	240-175558	04/08/2015 10:26	1	TAL CAN	DEE
A:6010C	240-49010-E-1-F		240-175933	240-175558	04/10/2015 10:09	1	TAL CAN	KLC
P:7471A	240-49010-E-1-G		240-175776	240-175585	04/08/2015 15:00	1	TAL CAN	DEE
A:7471A	240-49010-E-1-G		240-175776	240-175585	04/09/2015 10:46	1	TAL CAN	BW
A:Moisture	240-49010-A-1		240-175452		04/07/2015 15:17	1	TAL CAN	SEM

Lab ID: 240-49010-1 MS **Client ID:** FILL-001

Sample Date/Time: 04/06/2015 15:00 Received Date/Time: 04/07/2015 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	240-49010-B-1-B MS		240-175483	240-175488	04/08/2015 05:23	1	TAL CAN	TJL2
A:8260C	240-49010-B-1-B MS		240-175483	240-175488	04/08/2015 11:27	1	TAL CAN	SAM
P:3540C	240-49010-E-1-C MS		240-175823	240-175550	04/08/2015 09:35	1	TAL CAN	SDE
A:8015C	240-49010-E-1-C MS		240-175823	240-175550	04/10/2015 00:55	1	TAL CAN	DEB

Lab ID: 240-49010-1 MSD **Client ID:** FILL-001

Sample Date/Time: 04/06/2015 15:00 Received Date/Time: 04/07/2015 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	240-49010-B-1-C MSD		240-175483	240-175488	04/08/2015 05:23	1	TAL CAN	TJL2
A:8260C	240-49010-B-1-C MSD		240-175483	240-175488	04/08/2015 11:48	1	TAL CAN	SAM
P:3540C	240-49010-E-1-D MSD		240-175823	240-175550	04/08/2015 09:35	1	TAL CAN	SDE
A:8015C	240-49010-E-1-D MSD		240-175823	240-175550	04/10/2015 01:25	1	TAL CAN	DEB

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Laboratory Chronicle

Lab ID: 240-49010-1 DU **Client ID:** FILL-001

Sample Date/Time: 04/06/2015 15:00 Received Date/Time: 04/07/2015 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	240-49010-A-1 DU		240-175452		04/07/2015 15:17	1	TAL CAN	SEM

Lab ID: 240-49010-2 **Client ID:** TB-040615

Sample Date/Time: 04/06/2015 00:00 Received Date/Time: 04/07/2015 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-49010-A-2		240-175730		04/09/2015 18:34	1	TAL CAN	RJQ
A:8260B	240-49010-A-2		240-175730		04/09/2015 18:34	1	TAL CAN	RJQ

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 240-175730/6		240-175730		04/09/2015 12:06	1	TAL CAN	RJQ
A:8260B	MB 240-175730/6		240-175730		04/09/2015 12:06	1	TAL CAN	RJQ
A:8260C	MB 240-175483/8		240-175483		04/08/2015 03:14	1	TAL CAN	SAM
P:3540C	MB 240-175545/18-A		240-175891	240-175545	04/08/2015 09:16	1	TAL CAN	SDE
A:8270D	MB 240-175545/18-A		240-175891	240-175545	04/10/2015 09:27	1	TAL CAN	MRU
P:5030A	MB 240-175570/1-A		240-175575	240-175570	04/08/2015 11:04	1	TAL CAN	RTR
A:8015C	MB 240-175570/1-A		240-175575	240-175570	04/09/2015 01:56	1	TAL CAN	RTR
P:3540C	MB 240-175550/7-A		240-175823	240-175550	04/08/2015 09:35	1	TAL CAN	SDE
A:8015C	MB 240-175550/7-A		240-175823	240-175550	04/09/2015 22:23	1	TAL CAN	DEB
P:3540C	MB 240-175553/17-A		240-175923	240-175553	04/08/2015 09:49	1	TAL CAN	SDE
A:8082A	MB 240-175553/17-A		240-175923	240-175553	04/10/2015 12:19	1	TAL CAN	HMB
P:3050B	MB 240-175558/1-A		240-175886	240-175558	04/08/2015 10:26	1	TAL CAN	DEE
A:6010C	MB 240-175558/1-A		240-175886	240-175558	04/09/2015 09:56	1	TAL CAN	ADS
P:3050B	MB 240-175558/1-A		240-175933	240-175558	04/08/2015 10:26	1	TAL CAN	DEE
A:6010C	MB 240-175558/1-A		240-175933	240-175558	04/10/2015 10:01	1	TAL CAN	KLC
P:7471A	MB 240-175585/1-A		240-175776	240-175585	04/08/2015 15:00	1	TAL CAN	DEE
A:7471A	MB 240-175585/1-A		240-175776	240-175585	04/09/2015 10:03	1	TAL CAN	BW

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Laboratory Chronicle

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 240-175730/4		240-175730		04/09/2015 11:20	1	TAL CAN	RJQ
A:8260B	LCS 240-175730/4		240-175730		04/09/2015 11:20	1	TAL CAN	RJQ
A:8260C	LCS 240-175483/6		240-175483		04/08/2015 02:31	1	TAL CAN	SAM
P:3540C	LCS 240-175545/19-A		240-175891	240-175545	04/08/2015 09:16	1	TAL CAN	SDE
A:8270D	LCS 240-175545/19-A		240-175891	240-175545	04/10/2015 09:52	1	TAL CAN	MRU
P:5030A	LCS 240-175570/2-A		240-175575	240-175570	04/08/2015 11:04	1	TAL CAN	RTR
A:8015C	LCS 240-175570/2-A		240-175575	240-175570	04/09/2015 02:31	1	TAL CAN	RTR
P:3540C	LCS 240-175550/8-A		240-175823	240-175550	04/08/2015 09:35	1	TAL CAN	SDE
A:8015C	LCS 240-175550/8-A		240-175823	240-175550	04/09/2015 22:53	1	TAL CAN	DEB
P:3540C	LCS 240-175553/18-A		240-175923	240-175553	04/08/2015 09:49	1	TAL CAN	SDE
A:8082A	LCS 240-175553/18-A		240-175923	240-175553	04/10/2015 12:35	1	TAL CAN	HMB
P:3050B	LCS 240-175558/2-A		240-175886	240-175558	04/08/2015 10:26	1	TAL CAN	DEE
A:6010C	LCS 240-175558/2-A		240-175886	240-175558	04/09/2015 10:00	1	TAL CAN	ADS
P:3050B	LCS 240-175558/2-A		240-175933	240-175558	04/08/2015 10:26	1	TAL CAN	DEE
A:6010C	LCS 240-175558/2-A		240-175933	240-175558	04/10/2015 10:06	1	TAL CAN	KLC
P:7471A	LCS 240-175585/2-A		240-175776	240-175585	04/08/2015 15:00	1	TAL CAN	DEE
A:7471A	LCS 240-175585/2-A		240-175776	240-175585	04/09/2015 10:08	1	TAL CAN	BW

Lab ID: MS **Client ID: N/A**

Sample Date/Time: 04/06/2015 12:30 Received Date/Time: 04/07/2015 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-49022-A-1 MS		240-175730		04/09/2015 20:05	1	TAL CAN	RJQ
A:8260B	240-49022-A-1 MS		240-175730		04/09/2015 20:05	1	TAL CAN	RJQ
P:5030A	180-42592-G-10-C MS		240-175575	240-175570	04/08/2015 11:04	1	TAL CAN	RTR
A:8015C	180-42592-G-10-C MS		240-175575	240-175570	04/09/2015 03:40	1	TAL CAN	RTR
P:7471A	240-49031-G-7-M MS		240-175776	240-175585	04/08/2015 15:00	1	TAL CAN	DEE
A:7471A	240-49031-G-7-M MS		240-175776	240-175585	04/09/2015 10:12	1	TAL CAN	BW

Client: Tetra Tech, Inc. Job Number: 240-49010-1

Laboratory Chronicle

Lab ID: **MSD** **Client ID:** **N/A**

Sample Date/Time: 04/06/2015 12:30 Received Date/Time: 04/07/2015 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	240-49022-D-1 MSD		240-175730		04/09/2015 20:28	1	TAL CAN	RJQ
A:8260B	240-49022-D-1 MSD		240-175730		04/09/2015 20:28	1	TAL CAN	RJQ
P:5030A	180-42592-G-10-D MSD		240-175575	240-175570	04/08/2015 11:04	1	TAL CAN	RTR
A:8015C	180-42592-G-10-D MSD		240-175575	240-175570	04/09/2015 04:14	1	TAL CAN	RTR
P:7471A	240-49031-G-7-N MSD		240-175776	240-175585	04/08/2015 15:00	1	TAL CAN	DEE
A:7471A	240-49031-G-7-N MSD		240-175776	240-175585	04/09/2015 10:14	1	TAL CAN	BW

Lab References:
TAL CAN = TestAmerica Canton

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
EX10PPMSPK_00015	12/06/15	08/28/14	MEOH, Lot 0000085233	1000 mL	EXPCB1016_00005	2 mL	Aroclor-1016	10 ug/mL
					EXPCB1260_00006	2 mL	Aroclor-1260	10 ug/mL
.EXPCB1016_00005	12/06/15	AccuStandard, Inc., Lot B5120059			(Purchased Reagent)		Aroclor-1016	5000 ug/mL
.EXPCB1260_00006	01/25/23	AccuStandard, Lot B3060258-1A			(Purchased Reagent)		Aroclor-1260	5000 ug/mL
EX2/.2SURRW_00053	06/10/16	03/24/15	MEOH, Lot 0000085233	2000 mL	EXPESTSURR_00001	2 mL	DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.EXPESTSURR_00001	05/31/21	Restek, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
EXBenzaldehyd_00019	05/28/15	03/23/15	MEOH, Lot 0000085233	200 mL	SMLIST1 S8_00002	4 mL	Benzaldehyde	40 ug/mL
							Benzoic acid	40 ug/mL
							Indene	40 ug/mL
.SMLIST1 S8_00002	05/28/15	Restek, Lot A0103145			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
							Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
EXBNASPIKE_00038	07/30/15	03/25/15	MEOH, Lot 0000085233	200 mL	SMLIST1 S1_00004	4 mL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Hexadecane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
					SMLIST1 S2_00008	4 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Atrazine	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	40 ug/mL
							Caprolactam	40 ug/mL
					SMLIST1 S7_00001	4 mL	N-Nitrosodiphenylamine	40 ug/mL
.SMLIST1 S1_00004	08/31/15		Restek, Lot A0101615		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.SMLIST1 S2_00008	07/30/15		Restek, Lot A0100824		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
.SMLIST1 S7_00001	02/28/17		Restek, Lot A0101573		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
EXBNASURR W_00021	06/10/16	03/16/15	MEOH, Lot 85233	2000 mL	SMLIST1 SURR_00003	8 mL	2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
EXDIESELSPKW_00062	02/06/16	03/10/15	MECL2, Lot 0000098052	100 mL	EXDIESELSPK_00012	5 mL	Diesel	2500 ug/mL
.EXDIESELSPK_00012	08/31/18		ULTRA, Lot CL-2929		(Purchased Reagent)		Diesel	50000 ug/mL
EXOTPSURRW_00001	06/10/16	03/27/15	MEOH, Lot 0000085233	1000 mL	EXSURROTP_00003	20 mL	o-Terphenyl (Surr)	200 ug/mL
.EXSURROTP_00003	03/31/18		Restek, Lot A0105442		(Purchased Reagent)		o-Terphenyl (Surr)	10000 ug/mL
Gas Surr Cali_00011	04/01/15	01/02/15	MeoH, Lot 1823933	10 mL	VGGASURROGATE_00028	1 mL	Trifluorotoluene (Surr)	5 ug/mL
.VGGASURROGATE_00028	03/02/15	12/02/14	MEOH, Lot 49909	50 mL	VGSURRSTKGAS_00019	1.25 mL	Trifluorotoluene (Surr)	50 ug/mL
..VGSURRSTKGAS_00019	08/31/16		ULTRA SCIENTIFIC, Lot CE-1903A		(Purchased Reagent)		Trifluorotoluene (Surr)	2000 ug/mL
MT1TO1HN03_00942	04/08/15	04/08/15	DIWATER, Lot DI WATER	500 mL	MTTMHNO3_00053	250 mL	Nitric acid	0.5 mL/mL
.MTTMHNO3_00053	03/24/17		Macron/Avantor, Lot 0000093717		(Purchased Reagent)		Nitric acid	100 %
MT6500ICV_00025	09/03/15	03/03/15	DIWATER, Lot DIWATER	1000 mL	MTTRICV3_00006	6 mL	Barium	1500 ug/L
							Beryllium	1500 ug/L
							Chromium	1500 ug/L
							Cobalt	1500 ug/L
							Copper	1500 ug/L
							Molybdenum	1500 ug/L
							Nickel	1500 ug/L
							Vanadium	1500 ug/L
							Zinc	1500 ug/L
					MTTRICV5_00012	1.5 mL	Antimony	375 ug/L
							Arsenic	375 ug/L
							Cadmium	375 ug/L
							Lead	375 ug/L
							Selenium	375 ug/L
							Thallium	750 ug/L
					MTTRICVAG_00005	7.5 mL	Silver	750 ug/L
.MTTRICV3_00006	04/01/16		CPI, Lot 1071810		(Purchased Reagent)		Barium	250 mg/L
							Beryllium	250 mg/L
							Chromium	250 mg/L
							Cobalt	250 mg/L
							Copper	250 mg/L
							Molybdenum	250 mg/L
							Nickel	250 mg/L
							Vanadium	250 mg/L
							Zinc	250 mg/L
.MTTRICV5_00012	04/01/16		CPI, Lot 1071811		(Purchased Reagent)		Antimony	250 ug/mL
							Arsenic	250 ug/mL
							Cadmium	250 ug/mL
							Lead	250 ug/mL
							Selenium	250 ug/mL
							Thallium	500 ug/mL
.MTTRICVAG_00005	10/01/15		CPI, Lot 1065516		(Purchased Reagent)		Silver	100 mg/L
MTAGSPIKEW_00047	09/17/15	03/17/14	DIWATER, Lot DIWATER	1000 mL	MTAG_00005	2.5 mL	Silver	2500 ug/L
					MTTMHNO3_00052	50 mL	Nitric acid	50000000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MTAG_00005	12/27/15	HIGH PURITY STANDARDS, Lot 1401302			(Purchased Reagent)		Silver	1000 ug/mL
.MTTMHNO3_00052	03/02/17	Macron/Avantor, Lot 0000093717			(Purchased Reagent)		Nitric acid	100 %
MTAQUAREGIA_00987	04/08/15	04/08/15	NA, Lot NA	200 mL	MTTMHCL_00061	150 mL	Hydrogen Chloride	0.75 mL/mL
					MTTMHNO3_00053	50 mL	Nitric acid	0.25 mL/mL
.MTTMHCL_00061	03/24/17	Macron/Avantor, Lot 0000086340			(Purchased Reagent)		Hydrogen Chloride	100 %
.MTTMHNO3_00053	03/24/17	Macron/Avantor, Lot 0000093717			(Purchased Reagent)		Nitric acid	100 %
MTAQUAREGIA_00988	04/08/15	04/08/15	NA, Lot NA	80 mL	MTTMHCL_00061	60 mL	Hydrogen Chloride	0.75 mL/mL
					MTTMHNO3_00053	20 mL	Nitric acid	0.25 mL/mL
.MTTMHCL_00061	03/24/17	Macron/Avantor, Lot 0000086340			(Purchased Reagent)		Hydrogen Chloride	100 %
.MTTMHNO3_00053	03/24/17	Macron/Avantor, Lot 0000093717			(Purchased Reagent)		Nitric acid	100 %
MTH202_00041	05/13/16	Macron, Lot 0000079375			(Purchased Reagent)		Hydrogen Peroxide	30 %
MTHGCALW_00875	04/08/15	04/08/15	DIWATER, Lot DIWATER	100 mL	MTHGCAL_00016	1 mL	Mercury	100 ug/L
					MTTMHNO3_00053	0.15 mL	Nitric acid	1500000 ug/L
.MTHGCAL_00016	05/09/17	INORGANIC VENTURES, Lot H2-HG02126			(Purchased Reagent)		Mercury	10 ug/mL
.MTTMHNO3_00053	03/24/17	Macron/Avantor, Lot 0000093717			(Purchased Reagent)		Nitric acid	100 %
MTHgStd_00011	07/31/15	Teledyne Leeman, Lot 1368801			(Purchased Reagent)		Mercury	1 ug/mL
MTICP1_00039	09/17/15	03/17/15	DIWATER, Lot DI WATER	1000 mL	MTICPSPIKE1A_00008	50 mL	Al	100000 ug/L
							Arsenic	100000 ug/L
							B	50000 ug/L
							Barium	100000 ug/L
							Beryllium	2500 ug/L
							Cadmium	2500 ug/L
							Chromium	10000 ug/L
							Cobalt	25000 ug/L
							Copper	12500 ug/L
							Fe	50000 ug/L
							Lead	25000 ug/L
							Mn	25000 ug/L
							Nickel	25000 ug/L
							Selenium	100000 ug/L
							Thallium	100000 ug/L
							Vanadium	25000 ug/L
							Zinc	25000 ug/L
					MTICPSPIKEB_00008	50 mL	Antimony	25000 ug/L
							Molybdenum	50000 ug/L
							Sn	100000 ug/L
							Ti	50000 ug/L
					MTICPSpikeOdd_00005	50 mL	Li	50000 ug/L
							Si	50000 ug/L
							SiO2	107000 ug/L
							Sr	50000 ug/L
					MTTMHNO3_00052	50 mL	Nitric acid	50000000 ug/L
.MTICPSPIKE1A_00008	12/15/15	High Purity Standards, Lot 1434517			(Purchased Reagent)		Al	2000 ug/mL
							Arsenic	2000 ug/mL
							B	1000 ug/mL
							Barium	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Beryllium	50 ug/mL
							Cadmium	50 ug/mL
							Chromium	200 ug/mL
							Cobalt	500 ug/mL
							Copper	250 ug/mL
							Fe	1000 ug/mL
							Lead	500 ug/mL
							Mn	500 ug/mL
							Nickel	500 ug/mL
							Selenium	2000 ug/mL
							Thallium	2000 ug/mL
							Vanadium	500 ug/mL
							Zinc	500 ug/mL
.MTICPSPIKEB_00008	12/15/15	High Purity Standards, Lot 1434518			(Purchased Reagent)		Antimony	500 ug/mL
							Molybdenum	1000 ug/mL
							Sn	2000 ug/mL
							Ti	1000 ug/mL
.MTICPSpikeOdd_00005	12/15/15	High Purity Standards, Lot 1434513			(Purchased Reagent)		Li	1000 ug/mL
							Si	1000 ug/mL
							SiO2	2140 ug/mL
							Sr	1000 ug/mL
.MTTMHNO3_00052	03/02/17	Macron/Avantor, Lot 0000093717			(Purchased Reagent)		Nitric acid	100 %
MTICP2A_00048	06/29/15	02/18/14	DIWATER, Lot DIWATER	1000 mL	MTTMHNO3_00050	50 mL	Nitric acid	50000 mg/L
					MTTRCAL2_00010	250 mL	Ca	2500 mg/L
							K	2500 mg/L
							Mg	2500 mg/L
							Na	2500 mg/L
.MTTMHNO3_00050	01/16/17	Macron/Avantor, Lot 0000093717			(Purchased Reagent)		Nitric acid	100 %
.MTTRCAL2_00010	11/19/15	HIGH PURITY STANDARDS, Lot 1424003			(Purchased Reagent)		Ca	10000 ug/mL
							K	10000 ug/mL
							Mg	10000 ug/mL
							Na	10000 ug/mL
MTICPCCV_00045	10/02/15	04/02/15	DIWATER, Lot DIWATER	2000 mL	MTICPCCV1_00008	200 mL	Arsenic	500 ug/L
							Barium	2000 ug/L
							Beryllium	2000 ug/L
							Cadmium	500 ug/L
							Chromium	2000 ug/L
							Cobalt	2000 ug/L
							Copper	2000 ug/L
							Lead	500 ug/L
							Nickel	2000 ug/L
							Selenium	500 ug/L
							Thallium	1000 ug/L
							Vanadium	2000 ug/L
							Zinc	2000 ug/L
					MTICPCCV2_00008	200 mL	Antimony	500 ug/L
							Molybdenum	2000 ug/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Silver	1000 ug/L
.MTICPCCV1_00008	04/01/16	INORGANIC VENTURES, Lot J2-MEB567093			(Purchased Reagent)		Arsenic	5000 ug/L
							Barium	20000 ug/L
							Beryllium	20000 ug/L
							Cadmium	5000 ug/L
							Chromium	20000 ug/L
							Cobalt	20000 ug/L
							Copper	20000 ug/L
							Lead	5000 ug/L
							Nickel	20000 ug/L
							Selenium	5000 ug/L
							Thallium	10000 ug/L
							Vanadium	20000 ug/L
							Zinc	20000 ug/L
.MTICPCCV2_00008	04/01/16	INORGANIC VENTURES, Lot J2-MEB567104			(Purchased Reagent)		Antimony	5000 ug/L
							Molybdenum	20000 ug/L
							Silver	10000 ug/L
MTICPICSABW_00007	09/02/15	03/02/15	DIWATER, Lot DIWATER	1000 mL	MTICPICSAB1_00003	100 mL	Al	500000 ug/L
							Arsenic	1000 ug/L
							B	500 ug/L
							Barium	500 ug/L
							Beryllium	500 ug/L
							Ca	500000 ug/L
							Cadmium	1000 ug/L
							Chromium	500 ug/L
							Cobalt	500 ug/L
							Copper	500 ug/L
							Fe	200000 ug/L
							K	10000 ug/L
							Lead	1000 ug/L
							Li	500 ug/L
							Mg	500000 ug/L
							Mn	500 ug/L
							Na	10000 ug/L
							Nickel	1000 ug/L
							Selenium	1000 ug/L
							Sr	1500 ug/L
							Thallium	1000 ug/L
							Vanadium	500 ug/L
							Zinc	1000 ug/L
					MTICPICSAB2_00003	100 mL	Antimony	1000 ug/L
							Molybdenum	1000 ug/L
							Si	10000 ug/L
							Silver	1000 ug/L
							Sn	500 ug/L
							Ti	500 ug/L
.MTICPICSAB1_00003	10/01/15	INORGANIC VENTURES, Lot H2-MEB546050			(Purchased Reagent)		Al	5000000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Arsenic	10000 ug/L
							B	5000 ug/L
							Barium	5000 ug/L
							Beryllium	5000 ug/L
							Ca	5000000 ug/L
							Cadmium	10000 ug/L
							Chromium	5000 ug/L
							Cobalt	5000 ug/L
							Copper	5000 ug/L
							Fe	2000000 ug/L
							K	100000 ug/L
							Lead	10000 ug/L
							Li	5000 ug/L
							Mg	5000000 ug/L
							Mn	5000 ug/L
							Na	100000 ug/L
							Nickel	10000 ug/L
							Selenium	10000 ug/L
							Sr	15000 ug/L
							Thallium	10000 ug/L
							Vanadium	5000 ug/L
							Zinc	10000 ug/L
.MTICPICSAB2_00003	10/01/15	INORGANIC VENTURES, Lot H2-MEB546051			(Purchased Reagent)		Antimony	10000 ug/L
							Molybdenum	10000 ug/L
							Si	100000 ug/L
							Silver	10000 ug/L
							Sn	5000 ug/L
							Ti	5000 ug/L
MTKMN04W_00080	03/21/17	03/21/15	DIWATER, Lot DIWATER	2.5 L	MTKMN04_00020	125 g	Potassium Permanganate	0.05 g/g
.MTKMN04_00020	11/24/19	Fisher, Lot 121666			(Purchased Reagent)		Potassium Permanganate	1 g/g
MTTMHCL_00061	03/24/17	Macron/Avantor, Lot 0000086340			(Purchased Reagent)		Hydrogen Chloride	100 %
MTTMHNO3_00053	03/24/17	Macron/Avantor, Lot 0000093717			(Purchased Reagent)		Nitric acid	100 %
MTTRCRIC_00026	09/20/15	03/20/15	DIWATER, Lot DIWATER	500 mL	MTTRCRI6010C_00010	25 mL	Antimony	20 ug/L
							Arsenic	15 ug/L
							Barium	200 ug/L
							Beryllium	5 ug/L
							Cadmium	5 ug/L
							Chromium	10 ug/L
							Cobalt	10 ug/L
							Copper	20 ug/L
							Lead	10 ug/L
							Molybdenum	40 ug/L
							Nickel	40 ug/L
							Selenium	20 ug/L
							Silver	10 ug/L
							Thallium	20 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vanadium	10 ug/L
							Zinc	50 ug/L
.MTTRCRI6010C_00010	12/01/15	Inorganic Ventures, Lot H2-MEB552050			(Purchased Reagent)		Antimony	400 ug/L
							Arsenic	300 ug/L
							Barium	4000 ug/L
							Beryllium	100 ug/L
							Cadmium	100 ug/L
							Chromium	200 ug/L
							Cobalt	200 ug/L
							Copper	400 ug/L
							Lead	200 ug/L
							Molybdenum	800 ug/L
							Nickel	800 ug/L
							Selenium	400 ug/L
							Silver	200 ug/L
							Thallium	400 ug/L
							Vanadium	200 ug/L
							Zinc	1000 ug/L
MTTRICSAW_00025	06/01/15	12/23/14	DIWATER, Lot DIWATER	1000 mL	MTTRICSA_00012	100 mL	Al	500000 ug/L
							Ca	500000 ug/L
							Fe	200000 ug/L
							Mg	500000 ug/L
.MTTRICSA_00012	06/01/15	INORGANIC VENTURES, Lot G2-MEB491156			(Purchased Reagent)		Al	5000 ug/mL
							Ca	5000 ug/mL
							Fe	2000 ug/mL
							Mg	5000 ug/mL
SG1248@.05ppm_00015	09/09/15	03/10/15	HEXANE, Lot 0000086559	100 mL	SG1248@10ppm_00006	0.5 mL	PCB-1248 Peak 1	0.05 ug/mL
							PCB-1248 Peak 2	0.05 ug/mL
							PCB-1248 Peak 3	0.05 ug/mL
							PCB-1248 Peak 4	0.05 ug/mL
							PCB-1248 Peak 5	0.05 ug/mL
.SG1248@10ppm_00006	09/09/15	09/09/14	Hexane, Lot 0000078259	100 mL	SG1248_00003	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00003	04/30/18	Restek, Lot A086044			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.1PPM_00012	09/09/15	03/10/15	HEXANE, Lot 0000086559	100 mL	SG1248@10ppm_00006	1 mL	PCB-1248 Peak 1	0.1 ug/mL
							PCB-1248 Peak 2	0.1 ug/mL
							PCB-1248 Peak 3	0.1 ug/mL
							PCB-1248 Peak 4	0.1 ug/mL
							PCB-1248 Peak 5	0.1 ug/mL
.SG1248@10ppm_00006	09/09/15	09/09/14	Hexane, Lot 0000078259	100 mL	SG1248_00003	1 mL	PCB-1248 Peak 1	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00003	04/30/18		Restek, Lot A086044		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.2ppm_00012	09/09/15	03/10/15	HEXANE, Lot 0000086559	100 mL	SG1248@10ppm_00006	2 mL	PCB-1248 Peak 1	0.2 ug/mL
							PCB-1248 Peak 2	0.2 ug/mL
							PCB-1248 Peak 3	0.2 ug/mL
							PCB-1248 Peak 4	0.2 ug/mL
							PCB-1248 Peak 5	0.2 ug/mL
.SG1248@10ppm_00006	09/09/15	09/09/14	Hexane, Lot 0000078259	100 mL	SG1248_00003	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00003	04/30/18		Restek, Lot A086044		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@0.5ppm_00015	06/01/15	12/01/14	HEXANE, Lot 00000078259	100 mL	SG1248@10ppm_00006	5 mL	PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
							PCB-1248 Peak 5	0.5 ug/mL
.SG1248@10ppm_00006	09/09/15	09/09/14	Hexane, Lot 0000078259	100 mL	SG1248_00003	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00003	04/30/18		Restek, Lot A086044		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@1.0ppm_00010	09/09/15	03/10/15	HEXANE, Lot 0000086559	100 mL	SG1248@10ppm_00006	10 mL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
.SG1248@10ppm_00006	09/09/15	09/09/14	Hexane, Lot 0000078259	100 mL	SG1248_00003	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00003	04/30/18		Restek, Lot A086044		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1248@2.0ppm_00010	09/09/15	03/10/15	HEXANE, Lot 0000086559	100 mL	SG1248@10ppm_00006	20 mL	PCB-1248 Peak 1	2 ug/mL
							PCB-1248 Peak 2	2 ug/mL
							PCB-1248 Peak 3	2 ug/mL
							PCB-1248 Peak 4	2 ug/mL
							PCB-1248 Peak 5	2 ug/mL
.SG1248@10ppm_00006	09/09/15	09/09/14	Hexane, Lot 0000078259	100 mL	SG1248_00003	1 mL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..SG1248_00003	04/30/18		Restek, Lot A086044		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
SG1660@.05PPM_00012	07/01/15	01/08/15	HEXANE, Lot 0000086560	100 mL	SG1016/1260_00012	0.5 mL	PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL
							PCB-1016 Peak 3	0.05 ug/mL
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL
					SGPCGSURRSTK_00005	0.125 mL	DCB Decachlorobiphenyl	0.0025 ug/mL
							Tetrachloro-m-xylene	0.0025 ug/mL
.SG1016/1260_00012	08/25/15	08/25/14	HEXANE, Lot 0000075731	100 mL	SG1016/1260MX_00006	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00006	04/30/19		Restek, Lot a092844		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00005	07/31/15	07/31/14	HEXANE, Lot 0000075731	100 mL	SGPCBSURRMX_00007	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00007	03/31/19		restek, Lot a092533		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.2ppm_00011	07/31/15	02/23/15	HEXANE, Lot 86559	100 mL	SG1016/1260_00013	2 mL	PCB-1016 Peak 1	0.2 ug/mL
							PCB-1016 Peak 2	0.2 ug/mL
							PCB-1016 Peak 3	0.2 ug/mL
							PCB-1016 Peak 4	0.2 ug/mL
							PCB-1016 Peak 5	0.2 ug/mL
							PCB-1260 Peak 1	0.2 ug/mL
							PCB-1260 Peak 2	0.2 ug/mL
							PCB-1260 Peak 3	0.2 ug/mL
							PCB-1260 Peak 4	0.2 ug/mL
							PCB-1260 Peak 5	0.2 ug/mL
					SGPCGSURRSTK_00005	0.5 mL	DCB Decachlorobiphenyl	0.01 ug/mL
							Tetrachloro-m-xylene	0.01 ug/mL
.SG1016/1260_00013	01/12/16	01/12/15	HEXANE, Lot 0000086560	100 mL	SG1016/1260MX_00006	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00006	04/30/19		Restek, Lot a092844		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00005	07/31/15	07/31/14	HEXANE, Lot 0000075731	100 mL	SGPCBSURRMX_00007	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00007	03/31/19		restek, Lot a092533		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SG1660@0.5PPM_00042	07/31/15	02/04/15	HEXANE, Lot 0000086560	200 mL	SG1016/1260_00013	10 mL	PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
					SGPCGSURRSTK_00005	2.5 mL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SG1016/1260_00013	01/12/16	01/12/15	HEXANE, Lot 0000086560	100 mL	SG1016/1260MX_00006	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00006	04/30/19		Restek, Lot a092844		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00005	07/31/15	07/31/14	HEXANE, Lot 0000075731	100 mL	SGPCBSURRMX_00007	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00007	03/31/19		restek, Lot a092533		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@0.5PPM_00044	07/31/15	03/17/15	HEXANE, Lot 0000086559	200 mL	SG1016/1260_00013	10 mL	Aroclor-1016	0.5 ug/mL
							Aroclor-1260	0.5 ug/mL
							PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 5	0.5 ug/mL
					SGPCGSURRSTK_00005	2.5 mL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.SG1016/1260_00013	01/12/16	01/12/15	HEXANE, Lot 0000086560	100 mL	SG1016/1260MX_00006	1 mL	Aroclor-1016	10 ug/mL
							Aroclor-1260	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00006	04/30/19		Restek, Lot a092844		(Purchased Reagent)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00005	07/31/15	07/31/14	HEXANE, Lot 0000075731	100 mL	SGPCBSURRMX_00007	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00007	03/31/19		restek, Lot a092533		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@1.0PPM_00011	07/31/15	02/23/15	HEXANE, Lot 86559	100 mL	SG1016/1260_00013	10 mL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					SGPCGSURRSTK_00005	2.5 mL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.SG1016/1260_00013	01/12/16	01/12/15	HEXANE, Lot 0000086560	100 mL	SG1016/1260MX_00006	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00006	04/30/19		Restek, Lot a092844		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00005	07/31/15	07/31/14	HEXANE, Lot 0000075731	100 mL	SGPCBSURRMX_00007	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00007	03/31/19		restek, Lot a092533		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660@2.0PPM_00012	07/31/15	02/23/15	HEXANE, Lot 86559	100 mL	SG1016/1260_00013	20 mL	PCB-1016 Peak 1	2 ug/mL
							PCB-1016 Peak 2	2 ug/mL
							PCB-1016 Peak 3	2 ug/mL
							PCB-1016 Peak 4	2 ug/mL
							PCB-1016 Peak 5	2 ug/mL
							PCB-1260 Peak 1	2 ug/mL
							PCB-1260 Peak 2	2 ug/mL
							PCB-1260 Peak 3	2 ug/mL
							PCB-1260 Peak 4	2 ug/mL
							PCB-1260 Peak 5	2 ug/mL
					SGPCGSURRSTK_00005	5 mL	DCB Decachlorobiphenyl	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
.SG1016/1260_00013	01/12/16	01/12/15	HEXANE, Lot 0000086560	100 mL	SG1016/1260MX_00006	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00006	04/30/19		Restek, Lot a092844		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00005	07/31/15	07/31/14	HEXANE, Lot 0000075731	100 mL	SGPCBSURRMX_00007	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00007	03/31/19		restek, Lot a092533		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1660ICV@1.0_00004	07/05/15	01/05/15	HEXANE, Lot 0000086560	10 mL	SG1660ICV@10_00004	1 mL	Aroclor-1016	1 ug/mL
							Aroclor-1260	1 ug/mL
.SG1660ICV@10_00004	07/05/15	01/05/15	HEXANE, Lot 0000086560	10 mL	SG1660ICV@100_00002	1 mL	Aroclor-1016	10 ug/mL
							Aroclor-1260	10 ug/mL
..SG1660ICV@100_00002	08/22/15	08/22/14	HEXANE, Lot 0000075731	10 mL	SG 1660 ICV_00010	1 mL	Aroclor-1016	100 ug/mL
							Aroclor-1260	100 ug/mL
...SG 1660 ICV_00010	06/30/19		restek, Lot a094336		(Purchased Reagent)		Aroclor-1016	1000 ug/mL
							Aroclor-1260	1000 ug/mL
SG1660STD@0.1_00012	07/31/15	02/23/15	HEXANE, Lot 86559	100 mL	SG1016/1260_00013	1 mL	PCB-1016 Peak 1	0.1 ug/mL
							PCB-1016 Peak 2	0.1 ug/mL
							PCB-1016 Peak 3	0.1 ug/mL
							PCB-1016 Peak 4	0.1 ug/mL
							PCB-1016 Peak 5	0.1 ug/mL
							PCB-1260 Peak 1	0.1 ug/mL
							PCB-1260 Peak 2	0.1 ug/mL
							PCB-1260 Peak 3	0.1 ug/mL
							PCB-1260 Peak 4	0.1 ug/mL
							PCB-1260 Peak 5	0.1 ug/mL
					SGPCGSURRSTK_00005	0.25 mL	DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
.SG1016/1260_00013	01/12/16	01/12/15	HEXANE, Lot 0000086560	100 mL	SG1016/1260MX_00006	1 mL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..SG1016/1260MX_00006	04/30/19		Restek, Lot a092844		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.SGPCGSURRSTK_00005	07/31/15	07/31/14	HEXANE, Lot 0000075731	100 mL	SGPCBSURRMX_00007	1 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
..SGPCBSURRMX_00007	03/31/19		restek, Lot a092533		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG2154@0.05PP_00008	05/22/15	12/22/14	HEXANE, Lot 000078259	100 mL	SG2154@10ppm_00008	0.5 mL	PCB-1221 Peak 1	0.05 ug/mL
							PCB-1221 Peak 2	0.05 ug/mL
							PCB-1221 Peak 3	0.05 ug/mL
							PCB-1254 Peak 1	0.05 ug/mL
							PCB-1254 Peak 2	0.05 ug/mL
							PCB-1254 Peak 3	0.05 ug/mL
							PCB-1254 Peak 4	0.05 ug/mL
							PCB-1254 Peak 5	0.05 ug/mL
.SG2154@10ppm_00008	12/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SGPCB1221_00004	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00007	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00004	12/31/18		RESTEK, Lot a090667		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00007	05/30/18		restek, Lot A093609		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@0.2PPM_00009	05/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SG2154@10ppm_00008	2 mL	PCB-1221 Peak 1	0.2 ug/mL
							PCB-1221 Peak 2	0.2 ug/mL
							PCB-1221 Peak 3	0.2 ug/mL
							PCB-1254 Peak 1	0.2 ug/mL
							PCB-1254 Peak 2	0.2 ug/mL
							PCB-1254 Peak 3	0.2 ug/mL
							PCB-1254 Peak 4	0.2 ug/mL
							PCB-1254 Peak 5	0.2 ug/mL
.SG2154@10ppm_00008	12/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SGPCB1221_00004	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00007	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00004	12/31/18		RESTEK, Lot a090667		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00007	05/30/18		restek, Lot A093609		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@0.5PPM_00016	05/22/15	12/22/14	HEXANE, Lot 00000078259	100 mL	SG2154@10ppm_00008	5 mL	PCB-1221 Peak 1	0.5 ug/mL
							PCB-1221 Peak 2	0.5 ug/mL
							PCB-1221 Peak 3	0.5 ug/mL
							PCB-1254 Peak 1	0.5 ug/mL
							PCB-1254 Peak 2	0.5 ug/mL
							PCB-1254 Peak 3	0.5 ug/mL
							PCB-1254 Peak 4	0.5 ug/mL
							PCB-1254 Peak 5	0.5 ug/mL
.SG2154@10ppm_00008	12/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SGPCB1221_00004	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00007	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00004	12/31/18		RESTEK, Lot a090667		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00007	05/30/18		restek, Lot A093609		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@1.0PPM_00010	05/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SG2154@10ppm_00008	10 mL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
							PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
.SG2154@10ppm_00008	12/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SGPCB1221_00004	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00007	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SGPCB1221_00004	12/31/18		RESTEK, Lot a090667		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00007	05/30/18		restek, Lot A093609		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@2.0PPM_00009	05/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SG2154@10ppm_00008	20 mL	PCB-1221 Peak 1	2 ug/mL
							PCB-1221 Peak 2	2 ug/mL
							PCB-1221 Peak 3	2 ug/mL
							PCB-1254 Peak 1	2 ug/mL
							PCB-1254 Peak 2	2 ug/mL
							PCB-1254 Peak 3	2 ug/mL
							PCB-1254 Peak 4	2 ug/mL
							PCB-1254 Peak 5	2 ug/mL
.SG2154@10ppm_00008	12/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SGPCB1221_00004	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00007	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00004	12/31/18		RESTEK, Lot a090667		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00007	05/30/18		restek, Lot A093609		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG2154@O.1PPM_00010	05/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SG2154@10ppm_00008	1 mL	PCB-1221 Peak 1	0.1 ug/mL
							PCB-1221 Peak 2	0.1 ug/mL
							PCB-1221 Peak 3	0.1 ug/mL
							PCB-1254 Peak 1	0.1 ug/mL
							PCB-1254 Peak 2	0.1 ug/mL
							PCB-1254 Peak 3	0.1 ug/mL
							PCB-1254 Peak 4	0.1 ug/mL
							PCB-1254 Peak 5	0.1 ug/mL
.SG2154@10ppm_00008	12/22/15	12/22/14	HEXANE, Lot 0000078259	100 mL	SGPCB1221_00004	1 mL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
					SGPCB1254_00007	1 mL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 5	10 ug/mL
..SGPCB1221_00004	12/31/18		RESTEK, Lot a090667		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..SGPCB1254_00007	05/30/18		restek, Lot A093609		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
SG3262@.05PPM_00002	05/30/15	12/31/14	HEXANE, Lot 0000078259	100 mL	SG32/6210PPM_00001	0.5 mL	PCB-1232 Peak 1	50 ug/L
							PCB-1232 Peak 2	50 ug/L
							PCB-1232 Peak 3	50 ug/L
							PCB-1232 Peak 4	50 ug/L
							PCB-1232 Peak 5	50 ug/L
							PCB-1262 Peak 1	50 ug/L
							PCB-1262 Peak 2	50 ug/L
							PCB-1262 Peak 3	50 ug/L
							PCB-1262 Peak 4	50 ug/L
							PCB-1262 Peak 5	50 ug/L
.SG32/6210PPM_00001	07/11/15	07/11/14	HEXANE, Lot 1561873	100 mL	SGPCB1232STD_00005	1 mL	PCB-1232 Peak 1	10000 ug/L
							PCB-1232 Peak 2	10000 ug/L
							PCB-1232 Peak 3	10000 ug/L
							PCB-1232 Peak 4	10000 ug/L
							PCB-1232 Peak 5	10000 ug/L
					SGPCB1262STD_00004	1 mL	PCB-1262 Peak 1	10000 ug/L
							PCB-1262 Peak 2	10000 ug/L
							PCB-1262 Peak 3	10000 ug/L
							PCB-1262 Peak 4	10000 ug/L
							PCB-1262 Peak 5	10000 ug/L
..SGPCB1232STD_00005	04/30/18		restek, Lot A086119		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..SGPCB1262STD_00004	03/31/19		restek, Lot A092660		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
SG3262@.2PPM_00002	05/30/15	12/31/14	HEXANE, Lot 0000078259	100 mL	SG32/6210PPM_00001	2 mL	PCB-1232 Peak 1	200 ug/L
							PCB-1232 Peak 2	200 ug/L
							PCB-1232 Peak 3	200 ug/L
							PCB-1232 Peak 4	200 ug/L
							PCB-1232 Peak 5	200 ug/L
							PCB-1262 Peak 1	200 ug/L
							PCB-1262 Peak 2	200 ug/L
							PCB-1262 Peak 3	200 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1262 Peak 4	200 ug/L
							PCB-1262 Peak 5	200 ug/L
.SG32/6210PPM_00001	07/11/15	07/11/14	HEXANE, Lot 1561873	100 mL	SGPCB1232STD_00005	1 mL	PCB-1232 Peak 1	10000 ug/L
							PCB-1232 Peak 2	10000 ug/L
							PCB-1232 Peak 3	10000 ug/L
							PCB-1232 Peak 4	10000 ug/L
							PCB-1232 Peak 5	10000 ug/L
					SGPCB1262STD_00004	1 mL	PCB-1262 Peak 1	10000 ug/L
							PCB-1262 Peak 2	10000 ug/L
							PCB-1262 Peak 3	10000 ug/L
							PCB-1262 Peak 4	10000 ug/L
							PCB-1262 Peak 5	10000 ug/L
..SGPCB1232STD_00005	04/30/18		restek, Lot A086119		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..SGPCB1262STD_00004	03/31/19		restek, Lot A092660		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
SG3262@0.1PPM_00002	05/30/15	12/31/14	HEXANE, Lot 0000078259	100 mL	SG32/6210PPM_00001	1 mL	PCB-1232 Peak 1	100 ug/L
							PCB-1232 Peak 2	100 ug/L
							PCB-1232 Peak 3	100 ug/L
							PCB-1232 Peak 4	100 ug/L
							PCB-1232 Peak 5	100 ug/L
							PCB-1262 Peak 1	100 ug/L
							PCB-1262 Peak 2	100 ug/L
							PCB-1262 Peak 3	100 ug/L
							PCB-1262 Peak 4	100 ug/L
							PCB-1262 Peak 5	100 ug/L
.SG32/6210PPM_00001	07/11/15	07/11/14	HEXANE, Lot 1561873	100 mL	SGPCB1232STD_00005	1 mL	PCB-1232 Peak 1	10000 ug/L
							PCB-1232 Peak 2	10000 ug/L
							PCB-1232 Peak 3	10000 ug/L
							PCB-1232 Peak 4	10000 ug/L
							PCB-1232 Peak 5	10000 ug/L
					SGPCB1262STD_00004	1 mL	PCB-1262 Peak 1	10000 ug/L
							PCB-1262 Peak 2	10000 ug/L
							PCB-1262 Peak 3	10000 ug/L
							PCB-1262 Peak 4	10000 ug/L
							PCB-1262 Peak 5	10000 ug/L
..SGPCB1232STD_00005	04/30/18		restek, Lot A086119		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SGPCB1262STD_00004	03/31/19		restek, Lot A092660		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
SG3262@0.5PPM_00004	05/30/15	12/31/14	HEXANE, Lot 0000078259	100 mL	SG32/6210PPM_00001	5 mL	PCB-1232 Peak 1	500 ug/L
							PCB-1232 Peak 2	500 ug/L
							PCB-1232 Peak 3	500 ug/L
							PCB-1232 Peak 4	500 ug/L
							PCB-1232 Peak 5	500 ug/L
							PCB-1262 Peak 1	500 ug/L
							PCB-1262 Peak 2	500 ug/L
							PCB-1262 Peak 3	500 ug/L
							PCB-1262 Peak 4	500 ug/L
							PCB-1262 Peak 5	500 ug/L
.SG32/6210PPM_00001	07/11/15	07/11/14	HEXANE, Lot 1561873	100 mL	SGPCB1232STD_00005	1 mL	PCB-1232 Peak 1	10000 ug/L
							PCB-1232 Peak 2	10000 ug/L
							PCB-1232 Peak 3	10000 ug/L
							PCB-1232 Peak 4	10000 ug/L
							PCB-1232 Peak 5	10000 ug/L
					SGPCB1262STD_00004	1 mL	PCB-1262 Peak 1	10000 ug/L
							PCB-1262 Peak 2	10000 ug/L
							PCB-1262 Peak 3	10000 ug/L
							PCB-1262 Peak 4	10000 ug/L
							PCB-1262 Peak 5	10000 ug/L
..SGPCB1232STD_00005	04/30/18		restek, Lot A086119		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..SGPCB1262STD_00004	03/31/19		restek, Lot A092660		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
SG3262@1.0PPM_00002	05/30/15	12/31/14	HEXANE, Lot 0000078259	100 mL	SG32/6210PPM_00001	10 mL	PCB-1232 Peak 1	1000 ug/L
							PCB-1232 Peak 2	1000 ug/L
							PCB-1232 Peak 3	1000 ug/L
							PCB-1232 Peak 4	1000 ug/L
							PCB-1232 Peak 5	1000 ug/L
							PCB-1262 Peak 1	1000 ug/L
							PCB-1262 Peak 2	1000 ug/L
							PCB-1262 Peak 3	1000 ug/L
							PCB-1262 Peak 4	1000 ug/L
							PCB-1262 Peak 5	1000 ug/L
.SG32/6210PPM_00001	07/11/15	07/11/14	HEXANE, Lot 1561873	100 mL	SGPCB1232STD_00005	1 mL	PCB-1232 Peak 1	10000 ug/L
							PCB-1232 Peak 2	10000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 3	10000 ug/L
							PCB-1232 Peak 4	10000 ug/L
							PCB-1232 Peak 5	10000 ug/L
					SGPCB1262STD_00004	1 mL	PCB-1262 Peak 1	10000 ug/L
							PCB-1262 Peak 2	10000 ug/L
							PCB-1262 Peak 3	10000 ug/L
							PCB-1262 Peak 4	10000 ug/L
							PCB-1262 Peak 5	10000 ug/L
..SGPCB1232STD_00005	04/30/18		restek, Lot A086119		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..SGPCB1262STD_00004	03/31/19		restek, Lot A092660		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
SG3262@2.0ppm_00002	05/30/15	12/31/14	HEXANE, Lot 0000078259	100 mL	SG32/6210PPM_00001	20 mL	PCB-1232 Peak 1	2000 ug/L
							PCB-1232 Peak 2	2000 ug/L
							PCB-1232 Peak 3	2000 ug/L
							PCB-1232 Peak 4	2000 ug/L
							PCB-1232 Peak 5	2000 ug/L
							PCB-1262 Peak 1	2000 ug/L
							PCB-1262 Peak 2	2000 ug/L
							PCB-1262 Peak 3	2000 ug/L
							PCB-1262 Peak 4	2000 ug/L
							PCB-1262 Peak 5	2000 ug/L
.SG32/6210PPM_00001	07/11/15	07/11/14	HEXANE, Lot 1561873	100 mL	SGPCB1232STD_00005	1 mL	PCB-1232 Peak 1	10000 ug/L
							PCB-1232 Peak 2	10000 ug/L
							PCB-1232 Peak 3	10000 ug/L
							PCB-1232 Peak 4	10000 ug/L
							PCB-1232 Peak 5	10000 ug/L
					SGPCB1262STD_00004	1 mL	PCB-1262 Peak 1	10000 ug/L
							PCB-1262 Peak 2	10000 ug/L
							PCB-1262 Peak 3	10000 ug/L
							PCB-1262 Peak 4	10000 ug/L
							PCB-1262 Peak 5	10000 ug/L
..SGPCB1232STD_00005	04/30/18		restek, Lot A086119		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..SGPCB1262STD_00004	03/31/19		restek, Lot A092660		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1262 Peak 5	1000 ug/mL
SG42/68@1.0PP_00003	07/02/15	01/02/15	HEXANE, Lot 0000078259	100 mL	SG42/6810PPM_00001	10 mL	PCB-1242 Peak 1	1000 ug/L
							PCB-1242 Peak 2	1000 ug/L
							PCB-1242 Peak 3	1000 ug/L
							PCB-1242 Peak 4	1000 ug/L
							PCB-1242 Peak 5	1000 ug/L
							PCB-1268 Peak 1	1000 ug/L
							PCB-1268 Peak 2	1000 ug/L
							PCB-1268 Peak 3	1000 ug/L
							PCB-1268 Peak 4	1000 ug/L
							PCB-1268 Peak 5	1000 ug/L
.SG42/6810PPM_00001	07/11/15	07/11/14	HEXANE, Lot 0000075731	100 mL	SG1242_00005	1 mL	PCB-1242 Peak 1	10000 ug/L
							PCB-1242 Peak 2	10000 ug/L
							PCB-1242 Peak 3	10000 ug/L
							PCB-1242 Peak 4	10000 ug/L
							PCB-1242 Peak 5	10000 ug/L
					SGpcb1268std_00005	1 mL	PCB-1268 Peak 1	10000 ug/L
							PCB-1268 Peak 2	10000 ug/L
							PCB-1268 Peak 3	10000 ug/L
							PCB-1268 Peak 4	10000 ug/L
							PCB-1268 Peak 5	10000 ug/L
..SG1242_00005	11/30/18		Restek, Lot A090182		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..SGpcb1268std_00005	01/31/19		Restek, Lot a091468		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
SG4268@.05PPM_00003	07/02/15	01/02/15	HEXANE, Lot 0000078259	100 mL	SG42/6810PPM_00001	0.5 mL	PCB-1242 Peak 1	50 ug/L
							PCB-1242 Peak 2	50 ug/L
							PCB-1242 Peak 3	50 ug/L
							PCB-1242 Peak 4	50 ug/L
							PCB-1242 Peak 5	50 ug/L
							PCB-1268 Peak 1	50 ug/L
							PCB-1268 Peak 2	50 ug/L
							PCB-1268 Peak 3	50 ug/L
							PCB-1268 Peak 4	50 ug/L
							PCB-1268 Peak 5	50 ug/L
.SG42/6810PPM_00001	07/11/15	07/11/14	HEXANE, Lot 0000075731	100 mL	SG1242_00005	1 mL	PCB-1242 Peak 1	10000 ug/L
							PCB-1242 Peak 2	10000 ug/L
							PCB-1242 Peak 3	10000 ug/L
							PCB-1242 Peak 4	10000 ug/L
							PCB-1242 Peak 5	10000 ug/L
					SGpcb1268std_00005	1 mL	PCB-1268 Peak 1	10000 ug/L

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 2	10000 ug/L
							PCB-1268 Peak 3	10000 ug/L
							PCB-1268 Peak 4	10000 ug/L
							PCB-1268 Peak 5	10000 ug/L
..SG1242_00005	11/30/18		Restek, Lot A090182		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..SGpcb1268std_00005	01/31/19		Restek, Lot a091468		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
SG4268@.1PPM_00003	07/02/15	01/02/15	HEXANE, Lot 0000078259	100 mL	SG42/6810PPM_00001	1 mL	PCB-1242 Peak 1	100 ug/L
							PCB-1242 Peak 2	100 ug/L
							PCB-1242 Peak 3	100 ug/L
							PCB-1242 Peak 4	100 ug/L
							PCB-1242 Peak 5	100 ug/L
							PCB-1268 Peak 1	100 ug/L
							PCB-1268 Peak 2	100 ug/L
							PCB-1268 Peak 3	100 ug/L
							PCB-1268 Peak 4	100 ug/L
							PCB-1268 Peak 5	100 ug/L
.SG42/6810PPM_00001	07/11/15	07/11/14	HEXANE, Lot 0000075731	100 mL	SG1242_00005	1 mL	PCB-1242 Peak 1	10000 ug/L
							PCB-1242 Peak 2	10000 ug/L
							PCB-1242 Peak 3	10000 ug/L
							PCB-1242 Peak 4	10000 ug/L
							PCB-1242 Peak 5	10000 ug/L
					SGpcb1268std_00005	1 mL	PCB-1268 Peak 1	10000 ug/L
							PCB-1268 Peak 2	10000 ug/L
							PCB-1268 Peak 3	10000 ug/L
							PCB-1268 Peak 4	10000 ug/L
							PCB-1268 Peak 5	10000 ug/L
..SG1242_00005	11/30/18		Restek, Lot A090182		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..SGpcb1268std_00005	01/31/19		Restek, Lot a091468		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
SG4268@.2PPM_00002	07/02/15	01/02/15	HEXANE, Lot 0000078259	100 mL	SG42/6810PPM_00001	2 mL	PCB-1242 Peak 1	200 ug/L
							PCB-1242 Peak 2	200 ug/L
							PCB-1242 Peak 3	200 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 4	200 ug/L
							PCB-1242 Peak 5	200 ug/L
							PCB-1268 Peak 1	200 ug/L
							PCB-1268 Peak 2	200 ug/L
							PCB-1268 Peak 3	200 ug/L
							PCB-1268 Peak 4	200 ug/L
							PCB-1268 Peak 5	200 ug/L
.SG42/6810PPM_00001	07/11/15	07/11/14	HEXANE, Lot 0000075731	100 mL	SG1242_00005	1 mL	PCB-1242 Peak 1	10000 ug/L
							PCB-1242 Peak 2	10000 ug/L
							PCB-1242 Peak 3	10000 ug/L
							PCB-1242 Peak 4	10000 ug/L
							PCB-1242 Peak 5	10000 ug/L
					SGpcb1268std_00005	1 mL	PCB-1268 Peak 1	10000 ug/L
							PCB-1268 Peak 2	10000 ug/L
							PCB-1268 Peak 3	10000 ug/L
							PCB-1268 Peak 4	10000 ug/L
							PCB-1268 Peak 5	10000 ug/L
..SG1242_00005	11/30/18		Restek, Lot A090182		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..SGpcb1268std_00005	01/31/19		Restek, Lot a091468		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
SG4268@0.5PPM_00003	06/11/15	12/11/14	HEXANE, Lot 0000078259	100 mL	SG42/6810PPM_00001	5 mL	PCB-1242 Peak 1	500 ug/L
							PCB-1242 Peak 2	500 ug/L
							PCB-1242 Peak 3	500 ug/L
							PCB-1242 Peak 4	500 ug/L
							PCB-1242 Peak 5	500 ug/L
							PCB-1268 Peak 1	500 ug/L
							PCB-1268 Peak 2	500 ug/L
							PCB-1268 Peak 3	500 ug/L
							PCB-1268 Peak 4	500 ug/L
							PCB-1268 Peak 5	500 ug/L
.SG42/6810PPM_00001	07/11/15	07/11/14	HEXANE, Lot 0000075731	100 mL	SG1242_00005	1 mL	PCB-1242 Peak 1	10000 ug/L
							PCB-1242 Peak 2	10000 ug/L
							PCB-1242 Peak 3	10000 ug/L
							PCB-1242 Peak 4	10000 ug/L
							PCB-1242 Peak 5	10000 ug/L
					SGpcb1268std_00005	1 mL	PCB-1268 Peak 1	10000 ug/L
							PCB-1268 Peak 2	10000 ug/L
							PCB-1268 Peak 3	10000 ug/L
							PCB-1268 Peak 4	10000 ug/L
							PCB-1268 Peak 5	10000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SG1242_00005	11/30/18		Restek, Lot A090182		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..SGpcb1268std_00005	01/31/19		Restek, Lot a091468		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
SG4268@2.0PPM_00002	07/02/15	01/02/15	HEXANE, Lot 0000078259	100 mL	SG42/6810PPM_00001	20 mL	PCB-1242 Peak 1	2000 ug/L
							PCB-1242 Peak 2	2000 ug/L
							PCB-1242 Peak 3	2000 ug/L
							PCB-1242 Peak 4	2000 ug/L
							PCB-1242 Peak 5	2000 ug/L
							PCB-1268 Peak 1	2000 ug/L
							PCB-1268 Peak 2	2000 ug/L
							PCB-1268 Peak 3	2000 ug/L
							PCB-1268 Peak 4	2000 ug/L
							PCB-1268 Peak 5	2000 ug/L
.SG42/6810PPM_00001	07/11/15	07/11/14	HEXANE, Lot 0000075731	100 mL	SG1242_00005	1 mL	PCB-1242 Peak 1	10000 ug/L
							PCB-1242 Peak 2	10000 ug/L
							PCB-1242 Peak 3	10000 ug/L
							PCB-1242 Peak 4	10000 ug/L
							PCB-1242 Peak 5	10000 ug/L
					SGpcb1268std_00005	1 mL	PCB-1268 Peak 1	10000 ug/L
							PCB-1268 Peak 2	10000 ug/L
							PCB-1268 Peak 3	10000 ug/L
							PCB-1268 Peak 4	10000 ug/L
							PCB-1268 Peak 5	10000 ug/L
..SG1242_00005	11/30/18		Restek, Lot A090182		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..SGpcb1268std_00005	01/31/19		Restek, Lot a091468		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
SGDROCAL_00017	08/20/15	02/20/15	MECL2, Lot 0000096628	25 mL	SGDROCALSTK_00014	5 mL	Diesel	10002.5 ug/mL
					SGDROSURROTP_00018	1 mL	o-Terphenyl (Surr)	800 ug/mL
					SGDROSURROTP_00019	1 mL	o-Terphenyl (Surr)	800 ug/mL
.SGDROCALSTK_00014	05/31/21		Restek, Lot A0102433		(Purchased Reagent)		Diesel	50012.4 ug/mL
.SGDROSURROTP_00018	02/28/18		Restek, Lot A0104523		(Purchased Reagent)		o-Terphenyl (Surr)	10000 ug/mL
.SGDROSURROTP_00019	02/28/18		Restek, Lot A0104523		(Purchased Reagent)		o-Terphenyl (Surr)	10000 ug/mL
SGDROICV_00013	02/20/16	02/20/15	MECL2, Lot 0000096628	25 mL	SGDROICVSTK_00005	1 mL	Diesel	2004 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SGDROICVSTK_00005	02/28/15	Ultra, Lot CH-0185			(Purchased Reagent)		Diesel	50100 ug/mL
SMLIST1 L1 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1PAH ST_00004	2 uL	1,1'-Biphenyl	0.1 ug/mL
							1-Methylnaphthalene	0.1 ug/mL
							2-Chloronaphthalene	0.1 ug/mL
							2-Methylnaphthalene	0.1 ug/mL
							Acenaphthene	0.1 ug/mL
							Acenaphthylene	0.1 ug/mL
							Anthracene	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[g,h,i]perylene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Chrysene	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Dibenzofuran	0.1 ug/mL
							Fluoranthene	0.1 ug/mL
							Fluorene	0.1 ug/mL
							Hexachlorobenzene	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Phenanthrene	0.1 ug/mL
							Pyrene	0.1 ug/mL
							2-Fluorobiphenyl (Surr)	0.1 ug/mL
							Nitrobenzene-d5 (Surr)	0.1 ug/mL
							Terphenyl-d14 (Surr)	0.1 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1PAH ST_00004	05/31/16	01/26/15	MECL2, Lot 0000093871	3 mL	SMLIST1 PAH_00004	300 uL	1,1'-Biphenyl	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Chrysene	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					SMLIST1 SURR_00003	60 uL	2-Fluorobiphenyl (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 PAH_00004	05/31/16	Restek, Lot A0107399			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..SMLIST1 SURR_00003	02/22/18	Restek, Lot A093638			(Purchased Reagent)		2-Fluorobiphenyl (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SMLIST1 L2 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	10 uL	1,1'-Biphenyl	0.5 ug/mL
							1,2,4,5-Tetrachlorobenzene	0.5 ug/mL
							1,2,4-Trichlorobenzene	0.5 ug/mL
							1,2-Dichlorobenzene	0.5 ug/mL
							1,2-Diphenylhydrazine	0.5 ug/mL
							1,3-Dichlorobenzene	0.5 ug/mL
							1,3-Dinitrobenzene	0.5 ug/mL
							1,4-Dichlorobenzene	0.5 ug/mL
							1,4-Dioxane	0.5 ug/mL
							1-Methylnaphthalene	0.5 ug/mL
							2,2'-oxybis[1-chloropropane]	0.5 ug/mL
							2,3,4,6-Tetrachlorophenol	0.5 ug/mL
							2,4,5-Trichlorophenol	0.5 ug/mL
							2,4,6-Trichlorophenol	0.5 ug/mL
							2,4-Dichlorophenol	0.5 ug/mL
							2,4-Dimethylphenol	0.5 ug/mL
							2,4-Dinitrophenol	1 ug/mL
							2,4-Dinitrotoluene	0.5 ug/mL
							2,6-Dichlorophenol	0.5 ug/mL
							2,6-Dinitrotoluene	0.5 ug/mL
							2-Chloronaphthalene	0.5 ug/mL
							2-Chlorophenol	0.5 ug/mL
							2-Methylnaphthalene	0.5 ug/mL
							2-Methylphenol	0.5 ug/mL
							2-Nitroaniline	0.5 ug/mL
							2-Nitrophenol	0.5 ug/mL
							3 & 4 Methylphenol	0.5 ug/mL
							3-Nitroaniline	0.5 ug/mL
							4,6-Dinitro-2-methylphenol	1 ug/mL
							4-Bromophenyl phenyl ether	0.5 ug/mL
							4-Chloro-3-methylphenol	0.5 ug/mL
							4-Chloroaniline	0.5 ug/mL
							4-Chlorophenyl phenyl ether	0.5 ug/mL
							4-Nitroaniline	0.5 ug/mL
							4-Nitrophenol	1 ug/mL
							Acenaphthene	0.5 ug/mL
							Acenaphthylene	0.5 ug/mL
							Acetophenone	0.5 ug/mL
							Aniline	0.5 ug/mL
							Anthracene	0.5 ug/mL
							Azobenzene	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL
							Benzyl alcohol	0.5 ug/mL
							Bis(2-chloroethoxy)methane	0.5 ug/mL
							Bis(2-chloroethyl)ether	0.5 ug/mL
							Bis(2-ethylhexyl) phthalate	0.5 ug/mL
							Butyl benzyl phthalate	0.5 ug/mL
							Carbazole	0.5 ug/mL
							Chrysene	0.5 ug/mL
							Di-n-butyl phthalate	0.5 ug/mL
							Di-n-octyl phthalate	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Dibenzofuran	0.5 ug/mL
							Diethyl phthalate	0.5 ug/mL
							Dimethyl phthalate	0.5 ug/mL
							Fluoranthene	0.5 ug/mL
							Fluorene	0.5 ug/mL
							Hexachlorobenzene	0.5 ug/mL
							Hexachlorobutadiene	0.5 ug/mL
							Hexachlorocyclopentadiene	0.5 ug/mL
							Hexachloroethane	0.5 ug/mL
							Hexadecane	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							Isophorone	0.5 ug/mL
							n-Decane	0.5 ug/mL
							N-Nitrosodi-n-propylamine	0.5 ug/mL
							N-Nitrosodimethylamine	0.5 ug/mL
							N-Nitrosodiphenylamine	1 ug/mL
							n-Octadecane	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Nitrobenzene	0.5 ug/mL
							Pentachlorophenol	1 ug/mL
							Phenanthrene	0.5 ug/mL
							Phenol	0.5 ug/mL
							Pyrene	0.5 ug/mL
							Pyridine	0.5 ug/mL
							Benzoic acid	1 ug/mL
							Indene	1 ug/mL
							Atrazine	1 ug/mL
							Benzaldehyde	1 ug/mL
							Caprolactam	1 ug/mL
							3,3'-Dichlorobenzidine	1 ug/mL
							Benzidine	1 ug/mL
							2,4,6-Tribromophenol (Surr)	0.5 ug/mL
							2-Fluorobiphenyl (Surr)	0.5 ug/mL
							2-Fluorophenol (Surr)	0.5 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	0.5 ug/mL
							Phenol-d5 (Surr)	0.5 ug/mL
							Terphenyl-d14 (Surr)	0.5 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16	Restek, Lot A0108174			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18	Restek, Lot A093638			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L3 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	20 uL	1,1'-Biphenyl	1 ug/mL
							1,2,4,5-Tetrachlorobenzene	1 ug/mL
							1,2,4-Trichlorobenzene	1 ug/mL
							1,2-Dichlorobenzene	1 ug/mL
							1,2-Diphenylhydrazine	1 ug/mL
							1,3-Dichlorobenzene	1 ug/mL
							1,3-Dinitrobenzene	1 ug/mL
							1,4-Dichlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2,2'-oxybis[1-chloropropane]	1 ug/mL
							2,3,4,6-Tetrachlorophenol	1 ug/mL
							2,4,5-Trichlorophenol	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dichlorophenol	1 ug/mL
							2,4-Dimethylphenol	1 ug/mL
							2,4-Dinitrophenol	2 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dichlorophenol	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Chloronaphthalene	1 ug/mL
							2-Chlorophenol	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							2-Methylphenol	1 ug/mL
							2-Nitroaniline	1 ug/mL
							2-Nitrophenol	1 ug/mL
							3 & 4 Methylphenol	1 ug/mL
							3-Nitroaniline	1 ug/mL
							4,6-Dinitro-2-methylphenol	2 ug/mL
							4-Bromophenyl phenyl ether	1 ug/mL
							4-Chloro-3-methylphenol	1 ug/mL
							4-Chloroaniline	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	1 ug/mL
							4-Nitroaniline	1 ug/mL
							4-Nitrophenol	2 ug/mL
							Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL
							Acetophenone	1 ug/mL
							Aniline	1 ug/mL
							Anthracene	1 ug/mL
							Azobenzene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Benzyl alcohol	1 ug/mL
							Bis(2-chloroethoxy)methane	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Butyl benzyl phthalate	1 ug/mL
							Carbazole	1 ug/mL
							Chrysene	1 ug/mL
							Di-n-butyl phthalate	1 ug/mL
							Di-n-octyl phthalate	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Dibenzofuran	1 ug/mL
							Diethyl phthalate	1 ug/mL
							Dimethyl phthalate	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachlorocyclopentadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Hexadecane	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							n-Decane	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							N-Nitrosodimethylamine	1 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
							n-Octadecane	1 ug/mL
							Naphthalene	1 ug/mL
							Nitrobenzene	1 ug/mL
							Pentachlorophenol	2 ug/mL
							Phenanthrene	1 ug/mL
							Phenol	1 ug/mL
							Pyrene	1 ug/mL
							Pyridine	1 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzoic acid	2 ug/mL
							Indene	2 ug/mL
							Atrazine	2 ug/mL
							Benzaldehyde	2 ug/mL
							Caprolactam	2 ug/mL
							3,3'-Dichlorobenzidine	2 ug/mL
							Benzidine	2 ug/mL
							2,4,6-Tribromophenol (Surr)	1 ug/mL
							2-Fluorobiphenyl (Surr)	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L4 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	40 uL	1,1'-Biphenyl	2 ug/mL
							1,2,4,5-Tetrachlorobenzene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Diphenylhydrazine	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							1,3-Dinitrobenzene	2 ug/mL
							1,4-Dichlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							2,2'-oxybis[1-chloropropane]	2 ug/mL
							2,3,4,6-Tetrachlorophenol	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL
							2,4-Dinitrophenol	4 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dichlorophenol	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Chlorophenol	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylnaphthalene	2 ug/mL
							2-Methylphenol	2 ug/mL
							2-Nitroaniline	2 ug/mL
							2-Nitrophenol	2 ug/mL
							3 & 4 Methylphenol	2 ug/mL
							3-Nitroaniline	2 ug/mL
							4,6-Dinitro-2-methylphenol	4 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Chloroaniline	2 ug/mL
							4-Chlorophenyl phenyl ether	2 ug/mL
							4-Nitroaniline	2 ug/mL
							4-Nitrophenol	4 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Acetophenone	2 ug/mL
							Aniline	2 ug/mL
							Anthracene	2 ug/mL
							Azobenzene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Benzyl alcohol	2 ug/mL
							Bis(2-chloroethoxy)methane	2 ug/mL
							Bis(2-chloroethyl)ether	2 ug/mL
							Bis(2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Hexadecane	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							n-Decane	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	2 ug/mL
							N-Nitrosodiphenylamine	4 ug/mL
							n-Octadecane	2 ug/mL
							Naphthalene	2 ug/mL
							Nitrobenzene	2 ug/mL
							Pentachlorophenol	4 ug/mL
							Phenanthrene	2 ug/mL
							Phenol	2 ug/mL
							Pyrene	2 ug/mL
							Pyridine	2 ug/mL
							Benzoic acid	4 ug/mL
							Indene	4 ug/mL
							Atrazine	4 ug/mL
							Benzaldehyde	4 ug/mL
							Caprolactam	4 ug/mL
							3,3'-Dichlorobenzidine	4 ug/mL
							Benzidine	4 ug/mL
							2,4,6-Tribromophenol (Surr)	2 ug/mL
							2-Fluorobiphenyl (Surr)	2 ug/mL
							2-Fluorophenol (Surr)	2 ug/mL
							Nitrobenzene-d5 (Surr)	2 ug/mL
							Phenol-d5 (Surr)	2 ug/mL
							Terphenyl-d14 (Surr)	2 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L5 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	100 uL	1,1'-Biphenyl	5 ug/mL
							1,2,4,5-Tetrachlorobenzene	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							1,3-Dinitrobenzene	5 ug/mL
							1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2,2'-oxybis[1-chloropropane]	5 ug/mL
							2,3,4,6-Tetrachlorophenol	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dichlorophenol	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							2-Methylphenol	5 ug/mL
							2-Nitroaniline	5 ug/mL
							2-Nitrophenol	5 ug/mL
							3 & 4 Methylphenol	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Chloroaniline	5 ug/mL
							4-Chlorophenyl phenyl ether	5 ug/mL
							4-Nitroaniline	5 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Acetophenone	5 ug/mL
							Aniline	5 ug/mL
							Anthracene	5 ug/mL
							Azobenzene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Benzyl alcohol	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL
							Bis(2-chloroethyl)ether	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL
							Di-n-octyl phthalate	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Fluoranthene	5 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL
							Hexachloroethane	5 ug/mL
							Hexadecane	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							n-Decane	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							n-Octadecane	5 ug/mL
							Naphthalene	5 ug/mL
							Nitrobenzene	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenanthrene	5 ug/mL
							Phenol	5 ug/mL
							Pyrene	5 ug/mL
							Pyridine	5 ug/mL
							Benzoic acid	10 ug/mL
							Indene	10 ug/mL
							Atrazine	10 ug/mL
							Benzaldehyde	10 ug/mL
							Caprolactam	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL
							2,4,6-Tribromophenol (Surr)	5 ug/mL
							2-Fluorobiphenyl (Surr)	5 ug/mL
							2-Fluorophenol (Surr)	5 ug/mL
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL
							Terphenyl-d14 (Surr)	5 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L6 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	200 uL	1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,3-Dinitrobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Hexadecane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							n-Decane	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							n-Octadecane	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	10 ug/mL
							Benzoic acid	20 ug/mL
							Indene	20 ug/mL
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Benzidine	20 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L7 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	300 uL	1,1'-Biphenyl	15 ug/mL
							1,2,4,5-Tetrachlorobenzene	15 ug/mL
							1,2,4-Trichlorobenzene	15 ug/mL
							1,2-Dichlorobenzene	15 ug/mL
							1,2-Diphenylhydrazine	15 ug/mL
							1,3-Dichlorobenzene	15 ug/mL
							1,3-Dinitrobenzene	15 ug/mL
							1,4-Dichlorobenzene	15 ug/mL
							1,4-Dioxane	15 ug/mL
							1-Methylnaphthalene	15 ug/mL
							2,2'-oxybis[1-chloropropane]	15 ug/mL
							2,3,4,6-Tetrachlorophenol	15 ug/mL
							2,4,5-Trichlorophenol	15 ug/mL
							2,4,6-Trichlorophenol	15 ug/mL
							2,4-Dichlorophenol	15 ug/mL
							2,4-Dimethylphenol	15 ug/mL
							2,4-Dinitrophenol	30 ug/mL
							2,4-Dinitrotoluene	15 ug/mL
							2,6-Dichlorophenol	15 ug/mL
							2,6-Dinitrotoluene	15 ug/mL
							2-Chloronaphthalene	15 ug/mL
							2-Chlorophenol	15 ug/mL
							2-Methylnaphthalene	15 ug/mL
							2-Methylphenol	15 ug/mL
							2-Nitroaniline	15 ug/mL
							2-Nitrophenol	15 ug/mL
							3 & 4 Methylphenol	15 ug/mL
							3-Nitroaniline	15 ug/mL
							4,6-Dinitro-2-methylphenol	30 ug/mL
							4-Bromophenyl phenyl ether	15 ug/mL
							4-Chloro-3-methylphenol	15 ug/mL
							4-Chloroaniline	15 ug/mL
							4-Chlorophenyl phenyl ether	15 ug/mL
							4-Nitroaniline	15 ug/mL
							4-Nitrophenol	30 ug/mL
							Acenaphthene	15 ug/mL
							Acenaphthylene	15 ug/mL
							Acetophenone	15 ug/mL
							Aniline	15 ug/mL
							Anthracene	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Azobenzene	15 ug/mL
							Benzo[a]anthracene	15 ug/mL
							Benzo[a]pyrene	15 ug/mL
							Benzo[b]fluoranthene	15 ug/mL
							Benzo[g,h,i]perylene	15 ug/mL
							Benzo[k]fluoranthene	15 ug/mL
							Benzyl alcohol	15 ug/mL
							Bis(2-chloroethoxy)methane	15 ug/mL
							Bis(2-chloroethyl)ether	15 ug/mL
							Bis(2-ethylhexyl) phthalate	15 ug/mL
							Butyl benzyl phthalate	15 ug/mL
							Carbazole	15 ug/mL
							Chrysene	15 ug/mL
							Di-n-butyl phthalate	15 ug/mL
							Di-n-octyl phthalate	15 ug/mL
							Dibenz(a,h)anthracene	15 ug/mL
							Dibenzofuran	15 ug/mL
							Diethyl phthalate	15 ug/mL
							Dimethyl phthalate	15 ug/mL
							Fluoranthene	15 ug/mL
							Fluorene	15 ug/mL
							Hexachlorobenzene	15 ug/mL
							Hexachlorobutadiene	15 ug/mL
							Hexachlorocyclopentadiene	15 ug/mL
							Hexachloroethane	15 ug/mL
							Hexadecane	15 ug/mL
							Indeno[1,2,3-cd]pyrene	15 ug/mL
							Isophorone	15 ug/mL
							n-Decane	15 ug/mL
							N-Nitrosodi-n-propylamine	15 ug/mL
							N-Nitrosodimethylamine	15 ug/mL
							N-Nitrosodiphenylamine	30 ug/mL
							n-Octadecane	15 ug/mL
							Naphthalene	15 ug/mL
							Nitrobenzene	15 ug/mL
							Pentachlorophenol	30 ug/mL
							Phenanthrene	15 ug/mL
							Phenol	15 ug/mL
							Pyrene	15 ug/mL
							Pyridine	15 ug/mL
							Benzoic acid	30 ug/mL
							Indene	30 ug/mL
							Atrazine	30 ug/mL
							Benzaldehyde	30 ug/mL
							Caprolactam	30 ug/mL
							3,3'-Dichlorobenzidine	30 ug/mL
							Benzidine	30 ug/mL
							2,4,6-Tribromophenol (Surr)	15 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl (Surr)	15 ug/mL
							2-Fluorophenol (Surr)	15 ug/mL
							Nitrobenzene-d5 (Surr)	15 ug/mL
							Phenol-d5 (Surr)	15 ug/mL
							Terphenyl-d14 (Surr)	15 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16	Restek, Lot A0107943			(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L8 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	400 uL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Hexadecane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
							Benzoic acid	40 ug/mL
							Indene	40 ug/mL
							Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
							3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
							2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19	Restek, Lot A0101020			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L9 W_00005	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMIS80PPMW_00011	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00005	500 uL	1,1'-Biphenyl	25 ug/mL
							1,2,4,5-Tetrachlorobenzene	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,2-Diphenylhydrazine	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,3-Dinitrobenzene	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							1,4-Dioxane	25 ug/mL
							1-Methylnaphthalene	25 ug/mL
							2,2'-oxybis[1-chloropropane]	25 ug/mL
							2,3,4,6-Tetrachlorophenol	25 ug/mL
							2,4,5-Trichlorophenol	25 ug/mL
							2,4,6-Trichlorophenol	25 ug/mL
							2,4-Dichlorophenol	25 ug/mL
							2,4-Dimethylphenol	25 ug/mL
							2,4-Dinitrophenol	50 ug/mL
							2,4-Dinitrotoluene	25 ug/mL
							2,6-Dichlorophenol	25 ug/mL
							2,6-Dinitrotoluene	25 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	25 ug/mL
							2-Chlorophenol	25 ug/mL
							2-Methylnaphthalene	25 ug/mL
							2-Methylphenol	25 ug/mL
							2-Nitroaniline	25 ug/mL
							2-Nitrophenol	25 ug/mL
							3 & 4 Methylphenol	25 ug/mL
							3-Nitroaniline	25 ug/mL
							4,6-Dinitro-2-methylphenol	50 ug/mL
							4-Bromophenyl phenyl ether	25 ug/mL
							4-Chloro-3-methylphenol	25 ug/mL
							4-Chloroaniline	25 ug/mL
							4-Chlorophenyl phenyl ether	25 ug/mL
							4-Nitroaniline	25 ug/mL
							4-Nitrophenol	50 ug/mL
							Acenaphthene	25 ug/mL
							Acenaphthylene	25 ug/mL
							Acetophenone	25 ug/mL
							Aniline	25 ug/mL
							Anthracene	25 ug/mL
							Azobenzene	25 ug/mL
							Benzo[a]anthracene	25 ug/mL
							Benzo[a]pyrene	25 ug/mL
							Benzo[b]fluoranthene	25 ug/mL
							Benzo[g,h,i]perylene	25 ug/mL
							Benzo[k]fluoranthene	25 ug/mL
							Benzyl alcohol	25 ug/mL
							Bis(2-chloroethoxy)methane	25 ug/mL
							Bis(2-chloroethyl)ether	25 ug/mL
							Bis(2-ethylhexyl) phthalate	25 ug/mL
							Butyl benzyl phthalate	25 ug/mL
							Carbazole	25 ug/mL
							Chrysene	25 ug/mL
							Di-n-butyl phthalate	25 ug/mL
							Di-n-octyl phthalate	25 ug/mL
							Dibenz(a,h)anthracene	25 ug/mL
							Dibenzofuran	25 ug/mL
							Diethyl phthalate	25 ug/mL
							Dimethyl phthalate	25 ug/mL
							Fluoranthene	25 ug/mL
							Fluorene	25 ug/mL
							Hexachlorobenzene	25 ug/mL
							Hexachlorobutadiene	25 ug/mL
							Hexachlorocyclopentadiene	25 ug/mL
							Hexachloroethane	25 ug/mL
							Hexadecane	25 ug/mL
							Indeno[1,2,3-cd]pyrene	25 ug/mL
							Isophorone	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Decane	25 ug/mL
							N-Nitrosodi-n-propylamine	25 ug/mL
							N-Nitrosodimethylamine	25 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL
							n-Octadecane	25 ug/mL
							Naphthalene	25 ug/mL
							Nitrobenzene	25 ug/mL
							Pentachlorophenol	50 ug/mL
							Phenanthrene	25 ug/mL
							Phenol	25 ug/mL
							Pyrene	25 ug/mL
							Pyridine	25 ug/mL
							Benzoic acid	50 ug/mL
							Indene	50 ug/mL
							Atrazine	50 ug/mL
							Benzaldehyde	50 ug/mL
							Caprolactam	50 ug/mL
							3,3'-Dichlorobenzidine	50 ug/mL
							Benzidine	50 ug/mL
							2,4,6-Tribromophenol (Surr)	25 ug/mL
							2-Fluorobiphenyl (Surr)	25 ug/mL
							2-Fluorophenol (Surr)	25 ug/mL
							Nitrobenzene-d5 (Surr)	25 ug/mL
							Phenol-d5 (Surr)	25 ug/mL
							Terphenyl-d14 (Surr)	25 ug/mL
.SMIS80PPMW_00011	08/31/15	08/14/14	MECL2, Lot 0000073814	25 mL	SMIS R_00005	1 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00005	01/31/19		Restek, Lot A0101020		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00005	05/31/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 S1_00005	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	100 ug/mL
					SMLIST1 S10_00001	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00003	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00005	05/31/16		Restek, Lot A0107399		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..SMLIST1 S10_00001	06/30/16		Restek, Lot A0107943		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00001	06/30/16		Restek, Lot A0108035		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00001	07/31/16		Restek, Lot A0108174		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00003	02/22/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 SS W_00004	08/31/15	01/26/15	MECL2, Lot 0000093871	2 mL	SMLIST1 SS ST_00004	200 uL	1,1'-Biphenyl	10 ug/mL
							1,4-Dioxane	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMLIST1 SS ST_00004	06/30/16	01/26/15	MECL2, Lot 0000093871	10 mL	SMLIST1 SS S1_00004	1 mL	1,1'-Biphenyl	100 ug/mL
							1,4-Dioxane	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
					SMLIST1 SS S9_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
					SMLIST1SS S11_00001	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1SS SUR_00002	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 SS S1_00004	06/30/16		Restek, Lot A0107697		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	2000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	1000 ug/mL
..SMLIST1 SS S9_00001	07/31/16	Restek, Lot A0108170			(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
..SMLIST1SS S11_00001	06/30/16	Restek, Lot A0108042			(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1SS SUR_00002	09/30/18	Restek, Lot A092712			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
VGGASCALNEW_00013	06/22/15	03/16/15	MEOH, Lot 62345	25 mL	VGGASSTOCKNEW_00003	1 mL	C6-C12	100 ug/mL
							Gasoline Range Organics [C6 - C10]	100 ug/mL
.VGGASSTOCKNEW_00003	01/31/20	RESTEK, Lot A092645			(Purchased Reagent)		C6-C12	2500 ug/mL
							Gasoline Range Organics [C6 - C10]	2500 ug/mL
VGGASCHK_00059	05/06/15	03/09/15	MEOH, Lot 49909	50 mL	VGGASCHKSTK_00030	1 mL	Gasoline Range Organics [C6 - C10]	100 ug/mL
.VGGASCHKSTK_00030	05/06/15	ACCU STANDARD, Lot B5040009			(Purchased Reagent)		Gasoline Range Organics [C6 - C10]	5 mg/mL
VGGASURROGATE_00029	06/03/15	03/03/15	MEOH, Lot 49909	50 mL	VGSURRSTKGAS_00019	1.25 mL	Trifluorotoluene (Surr)	50 ug/mL
.VGSURRSTKGAS_00019	08/31/16	ULTRA SCIENTIFIC, Lot CE-1903A			(Purchased Reagent)		Trifluorotoluene (Surr)	2000 ug/mL
VM250-IS_00021	03/12/15	09/12/14	MEOH, Lot 134079	100 mL	vmcus8126_00008	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
.vmcus8126_00008	09/30/16	Ultra Scientific, Lot CL-3192			(Purchased Reagent)		1,4-Dichlorobenzene-d4	25000 ug/mL
							Chlorobenzene-d5	25000 ug/mL
							Fluorobenzene	25000 ug/mL
VM50IS_00048	08/06/15	02/05/15	MEOH, Lot 85233	100 mL	vm30241_00001	2 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
.vm30241_00001	01/31/18	restek, Lot A093261			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vm50ss_00192	03/07/15	02/28/15	MEOH, Lot na	2 mL	vm50ss_stk_00063	2 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00063	06/08/15	12/08/14	MEOH, Lot 0000085233	200 mL	VM567650_00021	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VM567650_00021	04/30/19	Restek, Lot A0102817			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_00196	04/08/15	04/01/15	MEOH, Lot na	2 mL	vm50ss_stk_00065	2 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.vm50ss_stk_00065	09/08/15	03/08/15	MEOH, Lot 0000085233	200 mL	VM567650_00021	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
..VM567650_00021	04/30/19		Restek, Lot A0102817		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_stk_00063	06/08/15	12/08/14	MEOH, Lot 0000085233	200 mL	VM567650_00021	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VM567650_00021	04/30/19		Restek, Lot A0102817		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vm50ss_stk_00065	09/08/15	03/08/15	MEOH, Lot 0000085233	200 mL	VM567650_00021	4 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VM567650_00021	04/30/19		Restek, Lot A0102817		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VMAROLISTDW_00090	03/07/15	02/28/15	MEOH, Lot na	3 mL	VMACROLSTD_00023	3 mL	Acrolein	250 ug/mL
.VMACROLSTD_00023	03/31/15	02/28/15	MEOH, Lot 0000085233	20 mL	VM568720_00005	0.25 mL	Acrolein	250 ug/mL
..VM568720_00005	03/31/15		restek, Lot A0107338		(Purchased Reagent)		Acrolein	20000 ug/mL
VMAROLISTDW_00095	04/14/15	04/07/15	MEOH, Lot na	3 mL	VMACROLSTD_00024	3 mL	Acrolein	250 ug/mL
.VMACROLSTD_00024	04/30/15	03/31/15	MEOH, Lot 0000085233	20 mL	VM568720_00006	0.25 mL	Acrolein	250 ug/mL
..VM568720_00006	05/31/15		restek, Lot A0108734		(Purchased Reagent)		Acrolein	20000 ug/mL
VMFASA9W_00052	04/13/15	04/06/15	MEOH, Lot NA	2 mL	VMFASA9_00004	2 mL	1,2,3-Trimethylbenzene	50 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl t-butyl ether	50 ug/mL
							Tert-amyl methyl ether	50 ug/mL
.VMFASA9_00004	06/30/15	02/06/15	MEOH, Lot 0000085233	100 mL	vm568722S_00002	2.5 mL	1,2,3-Trimethylbenzene	50 ug/mL
					VM568723S_00001	2.5 mL	Diisopropyl ether	50 ug/mL
							Ethyl t-butyl ether	50 ug/mL
							Tert-amyl methyl ether	50 ug/mL
..vm568722S_00002	06/30/15		restek, Lot A0100258		(Purchased Reagent)		1,2,3-Trimethylbenzene	2000 ug/mL
..VM568723S_00001	04/30/16		restek, Lot A0102749		(Purchased Reagent)		Diisopropyl ether	2000 ug/mL
							Ethyl t-butyl ether	2000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tert-amyl methyl ether	2000 ug/mL
VMFASGW_00084	03/07/15	02/28/15	MEOH, Lot NA	2 mL	VMFASG_00026	2 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMFASG_00026	03/12/15	02/12/15	MEOH, Lot +161620000085233JB	50 mL	VM567645S_00017	1.25 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
..VM567645S_00017	11/30/15	Restek, Lot A099261			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMFASGW_00089	04/13/15	04/07/15	MEOH, Lot NA	2 mL	VMFASG_00027	2 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMFASG_00027	04/13/15	03/13/15	MEOH, Lot 0000085233	50 mL	VM567645S_00017	1.25 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
..VM567645S_00017	11/30/15	Restek, Lot A099261			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VMFASPW_00087	03/04/15	02/25/15	MEOH, Lot n/a	2 mL	VMRFASP_00018	2 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol (TBA)	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	60 ug/mL
							Vinyl acetate	50 ug/mL
.VMRFASP_00018	03/12/15	02/12/15	MEOH, Lot +161620000085233JB	100 mL	VM567641S_00006	2.5 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol (TBA)	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
					VM567642S_00003	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM567643S_00012	3 mL	2-Chloroethyl vinyl ether	60 ug/mL
					VM567646S_00009	1.25 mL	Vinyl acetate	50 ug/mL
..VM567641S_00006	02/29/16		Restek, Lot A093733		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butyl alcohol (TBA)	20000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
..VM567642S_00003	02/29/16		Restek, Lot A093472		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
..VM567643S_00012	07/31/17		Restek, Lot A0104963		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
..VM567646S_00009	05/31/15		Restek, Lot A0107040		(Purchased Reagent)		Vinyl acetate	4000 ug/mL
VMFASPW_00093	04/11/15	04/07/15	MEOH, Lot n/a	2 mL	VMRFASP_00019	2 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol (TBA)	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
							2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	60 ug/mL
							Vinyl acetate	50 ug/mL
.VMRFASP_00019	04/11/15	03/11/15	MEOH, Lot +161620000085233JB	100 mL	VM567641S_00006	2.5 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol (TBA)	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
					VM567642S_00005	1 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM567643S_00012	3 mL	2-Chloroethyl vinyl ether	60 ug/mL
					VM567646S_00009	1.25 mL	Vinyl acetate	50 ug/mL
..VM567641S_00006	02/29/16		Restek, Lot A093733		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butyl alcohol (TBA)	20000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
..VM567642S_00005	02/29/16		Restek, Lot A093472		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
..VM567643S_00012	07/31/17		Restek, Lot A0104963		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
..VM567646S_00009	05/31/15		Restek, Lot A0107040		(Purchased Reagent)		Vinyl acetate	4000 ug/mL
VMRA9W_00090	01/21/15	01/14/15	MEOH, Lot NA	1 mL	VMRA9_00011	1 mL	Cyclohexanone	500 ug/mL
							2-Methylnaphthalene	100 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butanol	1250 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl t-butyl ether	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
.VMRA9_00011	02/28/15	10/29/14	MEOH, Lot 0000085233	50 mL	VM567648_00014	1.25 mL	Cyclohexanone	500 ug/mL
					vm567719_00020	2.5 mL	2-Methylnaphthalene	100 ug/mL
					vm568722_00002	1.25 mL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butanol	1250 ug/mL
					VM568723_00001	1.25 mL	Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl t-butyl ether	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
..VM567648_00014	02/29/16		Restek, Lot A093361		(Purchased Reagent)		Cyclohexanone	20000 ug/mL
..vm567719_00020	02/28/15		Restek, Lot A093359		(Purchased Reagent)		2-Methylnaphthalene	2000 ug/mL
..vm568722_00002	06/30/15		restek, Lot A0100262		(Purchased Reagent)		1,2,3-Trimethylbenzene	2000 ug/mL
							1,3,5-Trichlorobenzene	2000 ug/mL
							1-Chlorohexane	2000 ug/mL
							2-Chloro-1,3-butadiene	2000 ug/mL
							2-Nitropropane	4000 ug/mL
							Ethyl acetate	4000 ug/mL
							Ethyl acrylate	2000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Methyl methacrylate	4000 ug/mL
							n-Butanol	50000 ug/mL
..VM568723_00001	12/31/15		restek, Lot A099930		(Purchased Reagent)		Acetonitrile	20000 ug/mL
							Diisopropyl ether	2000 ug/mL
							Ethyl t-butyl ether	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
VMRA9W_00100	04/08/15	04/01/15	MEOH, Lot NA	1 mL	VMRA9_00012	1 mL	Cyclohexanone	500 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Pentachloroethane	100 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	50 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butanol	1250 ug/mL
							n-Butyl acetate	50 ug/mL
							Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl t-butyl ether	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
.VMRA9_00012	06/30/15	02/28/15	MEOH, Lot 0000085233	50 mL	VM567648_00014	1.25 mL	Cyclohexanone	500 ug/mL
					vm567719_00021	2.5 mL	2-Methylnaphthalene	100 ug/mL
							Pentachloroethane	100 ug/mL
					vm568722_00002	1.25 mL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butanol	1250 ug/mL
							n-Butyl acetate	50 ug/mL
					VM568723_00001	1.25 mL	Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl t-butyl ether	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
..VM567648_00014	02/29/16	Restek, Lot A093361			(Purchased Reagent)		Cyclohexanone	20000 ug/mL
..vm567719_00021	01/31/16	Restek, Lot A0100744			(Purchased Reagent)		2-Methylnaphthalene	2000 ug/mL
							Pentachloroethane	2000 ug/mL
..vm568722_00002	06/30/15	restek, Lot A0100262			(Purchased Reagent)		1,2,3-Trimethylbenzene	2000 ug/mL
							1,3,5-Trichlorobenzene	2000 ug/mL
							1-Chlorohexane	2000 ug/mL
							2-Chloro-1,3-butadiene	2000 ug/mL
							2-Nitropropane	4000 ug/mL
							Benzyl chloride	2000 ug/mL
							Ethyl acetate	4000 ug/mL
							Ethyl acrylate	2000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Methyl methacrylate	4000 ug/mL
							n-Butanol	50000 ug/mL
							n-Butyl acetate	2000 ug/mL
..VM568723_00001	12/31/15	restek, Lot A099930			(Purchased Reagent)		Acetonitrile	20000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diisopropyl ether	2000 ug/mL
							Ethyl t-butyl ether	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
VMRA9W_00101	04/16/15	04/09/15	MEOH, Lot NA	1 mL	VMRA9_00012	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl t-butyl ether	50 ug/mL
							Tert-amyl methyl ether	50 ug/mL
.VMRA9_00012	06/30/15	02/28/15	MEOH, Lot 0000085233	50 mL	vm568722_00002	1.25 mL	1,2,3-Trimethylbenzene	50 ug/mL
					VM568723_00001	1.25 mL	Diisopropyl ether	50 ug/mL
							Ethyl t-butyl ether	50 ug/mL
							Tert-amyl methyl ether	50 ug/mL
..vm568722_00002	06/30/15		restek, Lot A0100262		(Purchased Reagent)		1,2,3-Trimethylbenzene	2000 ug/mL
..VM568723_00001	12/31/15		restek, Lot A099930		(Purchased Reagent)		Diisopropyl ether	2000 ug/mL
							Ethyl t-butyl ether	2000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
VMRGAS_00092	03/07/15	02/28/15	MEOH, Lot 0000085233	10 mL	vm569722_00001	0.2 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.vm569722_00001	01/31/18		Restek, Lot A0108198		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
VMRGAS_00097	04/14/15	04/07/15	MEOH, Lot 0000085233	10 mL	vm569722_00001	0.2 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.vm569722_00001	01/31/18		Restek, Lot A0108198		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VMRPRIMW_00114	03/07/15	02/28/15	MEOH, Lot NA	1 mL	VMRPRIM_00010	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol (TBA)	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
							Vinyl acetate	48 ug/mL
.VMRPRIM_00010	05/31/15	12/10/14	MEOH, Lot +161620000085233JB	50 mL	VM567641_00012	1.25 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol (TBA)	500 ug/mL
							tert-Butylbenzene	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
					VM567642_00014	0.5 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM567643_00020	2.5 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM567646_00016	0.6 mL	Vinyl acetate	48 ug/mL
..VM567641_00012	02/29/16		restek, Lot A093581		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added	Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromochloromethane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	50000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							n-Heptane	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butyl alcohol (TBA)	20000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
..VM567642_00014	02/29/16		Restek, Lot A093365		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
..VM567643_00020	02/29/16		restek, Lot A093368		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
..VM567646_00016	05/31/15		Restek, Lot A0107309		(Purchased Reagent)		Vinyl acetate	4000 ug/mL
VMRPRIMW_00120	04/14/15	04/07/15	MEOH, Lot NA	1 mL	VMRPRIM_00010	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol (TBA)	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
							Vinyl acetate	48 ug/mL
.VMRPRIM_00010	05/31/15	12/10/14	MEOH, Lot +161620000085233JB	50 mL	VM567641_00012	1.25 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol (TBA)	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
					VM567642_00014	0.5 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM567643_00020	2.5 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM567646_00016	0.6 mL	Vinyl acetate	48 ug/mL
..VM567641_00012	02/29/16		restek, Lot A093581		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	50000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							n-Heptane	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butyl alcohol (TBA)	20000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
..VM567642_00014	02/29/16		Restek, Lot A093365		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
..VM567643_00020	02/29/16		restek, Lot A093368		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
..VM567646_00016	05/31/15		Restek, Lot A0107309		(Purchased Reagent)		Vinyl acetate	4000 ug/mL
VMRPRIMW_00120	04/14/15	04/07/15	MEOH, Lot NA	1 mL	VMRPRIM_00010	1 mL	Xylenes, Total	100 ug/mL
.VMRPRIM_00010	05/31/15	12/10/14	MEOH, Lot +161620000085233JB	50 mL	VM567641_00012	1.25 mL	Xylenes, Total	100 ug/mL
..VM567641_00012	02/29/16		restek, Lot A093581		(Purchased Reagent)		Xylenes, Total	4000 ug/mL
VMUX8SS_00017	04/27/15	01/27/15	MEOH, Lot 0000085233	100 mL	VMCUS8125_00009	866 uL	1,2-Dichloroethane-d4 (Surr)	216.5 ug/mL
							4-Bromofluorobenzene (Surr)	216.5 ug/mL
							Dibromofluoromethane (Surr)	216.5 ug/mL
							Toluene-d8 (Surr)	216.5 ug/mL
.VMCUS8125_00009	09/30/16		Ultra Scientific, Lot CJ-3208		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	25000 ug/mL
							4-Bromofluorobenzene (Surr)	25000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromofluoromethane (Surr)	25000 ug/mL
							Toluene-d8 (Surr)	25000 ug/mL
VMUX8SS_00018	06/18/15	03/18/15	MEOH, Lot 0000085233	100 mL	VMCUS8125_00009	866 uL	1,2-Dichloroethane-d4 (Surr)	216.5 ug/mL
							4-Bromofluorobenzene (Surr)	216.5 ug/mL
							Dibromofluoromethane (Surr)	216.5 ug/mL
							Toluene-d8 (Surr)	216.5 ug/mL
.VMCUS8125_00009	09/30/16	Ultra Scientific, Lot CJ-3208			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	25000 ug/mL
							4-Bromofluorobenzene (Surr)	25000 ug/mL
							Dibromofluoromethane (Surr)	25000 ug/mL
							Toluene-d8 (Surr)	25000 ug/mL

Certification Summary

Client: Tetra Tech, Inc. TestAmerica Job ID: 240-49010-1
Project/Site: MRC-Middle River

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	State Program	9	2927
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAP	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAP	5	200004
TestAmerica Canton	Kansas	NELAP	7	E-10336
TestAmerica Canton	Kentucky (UST)	State Program	4	58
TestAmerica Canton	Kentucky (WW)	State Program	4	98016
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAP	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAP	2	OH001
TestAmerica Canton	New York	NELAP	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Oregon	NELAP	10	4062
TestAmerica Canton	Pennsylvania	NELAP	3	68-00340
TestAmerica Canton	Texas	NELAP	6	
TestAmerica Canton	USDA	Federal		P330-13-00319
TestAmerica Canton	Virginia	NELAP	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	West Virginia DEP	State Program	3	210
TestAmerica Canton	Wisconsin	State Program	5	999518190

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
TB-040615	240-49010-2	92	95	94	100
	MB 240-175730/6	93	94	96	98
	LCS 240-175730/4	94	93	96	98
	240-49022-A-1 MS	92	93	95	99
	240-49022-D-1 MSD	94	92	97	101

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	75-121
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
TOL = Toluene-d8 (Surr)	74-120
BFB = 4-Bromofluorobenzene (Surr)	66-120

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXM7083.D

Lab ID: LCS 240-175730/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	10.0	10.1	101	72-120	
1,1,1-Trichloroethane	10.0	10.4	104	74-120	
1,1,2,2-Tetrachloroethane	10.0	9.71	97	68-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.0	110	74-151	
1,1-Dichloroethane	10.0	10.5	105	80-120	
1,1-Dichloroethene	10.0	10.7	107	78-131	
1,1-Dichloropropene	10.0	10.8	108	80-120	
1,2,3-Trichlorobenzene	10.0	9.59	96	54-126	
1,2,3-Trichloropropane	10.0	10.2	102	73-129	
1,2,4-Trichlorobenzene	10.0	9.73	97	48-135	
1,2,4-Trimethylbenzene	10.0	9.75	97	76-120	
1,2-Dibromo-3-Chloropropane	10.0	10.2	102	42-136	
1,2-Dichlorobenzene	10.0	9.77	98	80-120	
1,2-Dichloroethane	10.0	10.4	104	71-127	
1,2-Dichloropropane	10.0	10.1	101	80-120	
1,3-Dichlorobenzene	10.0	9.82	98	80-120	
1,3-Dichloropropane	10.0	9.62	96	79-120	
1,4-Dichlorobenzene	10.0	9.90	99	80-120	
2,2-Dichloropropane	10.0	10.2	102	50-129	
2-Chloroethyl vinyl ether	12.0	12.4	103	52-131	
2-Chlorotoluene	10.0	10.1	101	76-120	
2-Hexanone	20.0	19.2	96	55-133	
Bromobenzene	10.0	10.1	101	76-120	
Bromochloromethane	10.0	9.90	99	77-120	
4-Chlorotoluene	10.0	9.62	96	77-120	
p-Isopropyltoluene	10.0	9.88	99	74-120	
Acetone	20.0	17.4	87	43-136	
Benzene	10.0	10.1	101	80-120	
Bromoform	10.0	9.74	97	40-131	
Bromomethane	10.0	8.58	86	11-185	
Carbon disulfide	10.0	10.9	109	62-142	
Carbon tetrachloride	10.0	10.8	108	66-128	
Chlorobenzene	10.0	9.79	98	80-120	
Chloroethane	10.0	8.70	87	25-153	
Chloroform	10.0	10.1	101	79-120	
Chloromethane	10.0	8.18	82	44-126	
cis-1,2-Dichloroethene	10.0	10.1	101	80-120	
cis-1,3-Dichloropropene	10.0	10.5	105	61-120	
Hexachlorobutadiene	10.0	9.48	95	36-134	
Dibromomethane	10.0	10.2	102	80-120	
Bromodichloromethane	10.0	9.81	98	72-121	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXM7083.D

Lab ID: LCS 240-175730/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	7.10	71	19-129	
Ethylbenzene	10.0	10.1	101	80-120	
1,2-Dibromoethane	10.0	10.0	100	79-120	
Naphthalene	10.0	9.44	94	32-141	
m-Xylene & p-Xylene	10.0	9.83	98	80-120	
n-Butylbenzene	10.0	9.90	99	66-125	
Isopropylbenzene	10.0	9.91	99	75-120	
N-Propylbenzene	10.0	10.3	103	74-121	
2-Butanone (MEK)	20.0	19.9	100	60-126	
4-Methyl-2-pentanone (MIBK)	20.0	20.1	100	63-128	
sec-Butylbenzene	10.0	9.99	100	70-120	
Methyl tert-butyl ether	10.0	10.3	103	52-144	
Methylene Chloride	10.0	10.5	105	66-131	
o-Xylene	10.0	10.1	101	80-120	
Styrene	10.0	9.36	94	79-120	
tert-Butylbenzene	10.0	10.1	101	71-120	
Tetrachloroethene	10.0	10.1	101	79-120	
Toluene	10.0	10.0	100	80-120	
trans-1,2-Dichloroethene	10.0	10.6	106	80-120	
trans-1,3-Dichloropropene	10.0	10.8	108	58-120	
Trichloroethene	10.0	10.4	104	76-120	
Trichlorofluoromethane	10.0	10.0	100	49-157	
Vinyl acetate	10.0	7.85	78	46-161	
Vinyl chloride	10.0	8.68	87	53-127	
tert-Butyl alcohol (TBA)	100	95.3	95	70-130	
Xylenes, Total	20.0	19.9	100	80-120	
Dibromochloromethane	10.0	10.0	100	64-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXM7106.D

Lab ID: 240-49022-A-1 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	0.44 U	9.52	95	68-121	
1,1,2,2-Tetrachloroethane	10.0	0.22 U	9.34	93	63-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	0.45 U	9.50	95	70-152	
1,1-Dichloroethane	10.0	0.30 U	9.95	99	79-120	
1,1-Dichloroethene	10.0	0.45 U	9.80	98	74-135	
1,2,4-Trichlorobenzene	10.0	0.32 U	7.42	74	38-138	
1,2-Dibromo-3-Chloropropane	10.0	0.82 U	9.35	93	32-139	
1,2-Dichlorobenzene	10.0	0.25 U	8.31	83	75-120	
1,2-Dichloroethane	10.0	0.23 U	9.78	98	68-129	
1,2-Dichloropropane	10.0	0.25 U	9.42	94	78-120	
1,3-Dichlorobenzene	10.0	0.19 U	7.90	79	73-120	
1,4-Dichlorobenzene	10.0	0.27 U	7.99	80	75-120	
2-Hexanone	20.0	0.48 U	18.8	94	47-139	
Acetone	20.0	1.8 J	16.6	74	33-145	
Benzene	10.0	0.35 U	9.51	95	72-121	
Bromoform	10.0	0.56 U	8.57	86	32-128	
Bromomethane	10.0	0.44 U	8.15	82	10-186	
Carbon disulfide	10.0	0.38 U	9.72	97	57-147	
Carbon tetrachloride	10.0	0.43 U	9.81	98	59-129	
Chlorobenzene	10.0	0.25 U	8.56	86	80-120	
Chloroethane	10.0	0.32 U	8.31	83	21-165	
Chloroform	10.0	0.25 U	9.50	95	76-120	
Chloromethane	10.0	0.44 U	8.01	80	33-132	
cis-1,2-Dichloroethene	10.0	0.26 U	9.51	95	70-120	
cis-1,3-Dichloropropene	10.0	0.46 U	9.20	92	51-120	
Bromodichloromethane	10.0	0.29 U	9.04	90	67-120	
Dichlorodifluoromethane	10.0	0.32 U	6.26	63	17-128	
Ethylbenzene	10.0	0.25 U	8.69	87	75-120	
1,2-Dibromoethane	10.0	0.32 U	9.49	95	74-120	
m-Xylene & p-Xylene	10.0	0.24 U	8.48	85	75-120	
Isopropylbenzene	10.0	0.35 U	8.31	83	68-120	
2-Butanone (MEK)	20.0	0.53 U	18.6	93	54-129	
4-Methyl-2-pentanone (MIBK)	20.0	0.99 U	20.6	103	56-131	
Methyl tert-butyl ether	10.0	0.20 U	10.1	101	46-144	
Methylene Chloride	10.0	0.33 U	9.26	93	63-128	
o-Xylene	10.0	0.25 U	8.84	88	76-120	
Styrene	10.0	0.45 U	7.49	75	71-120	
Tetrachloroethene	10.0	0.31 U	8.67	87	70-120	
Toluene	10.0	0.23 U	9.03	90	78-120	
trans-1,2-Dichloroethene	10.0	0.30 U	9.38	94	80-120	
trans-1,3-Dichloropropene	10.0	0.56 U	9.63	96	46-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXM7106.D

Lab ID: 240-49022-A-1 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Trichloroethene	10.0	0.22 U	9.24	92	66-120	
Trichlorofluoromethane	10.0	0.49 U	8.96	90	46-157	
Vinyl chloride	10.0	0.29 U	8.04	80	49-130	
Xylenes, Total	20.0	0.52 U	17.3	87	76-120	
Dibromochloromethane	10.0	0.43 U	9.03	90	56-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXM7107.D

Lab ID: 240-49022-D-1 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	9.46	95	1	30	68-121	
1,1,2,2-Tetrachloroethane	10.0	9.21	92	1	30	63-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.3	103	8	30	70-152	
1,1-Dichloroethane	10.0	10.0	100	1	30	79-120	
1,1-Dichloroethene	10.0	9.82	98	0	30	74-135	
1,2,4-Trichlorobenzene	10.0	8.11	81	9	30	38-138	
1,2-Dibromo-3-Chloropropane	10.0	9.10	91	3	30	32-139	
1,2-Dichlorobenzene	10.0	8.43	84	2	30	75-120	
1,2-Dichloroethane	10.0	9.68	97	1	30	68-129	
1,2-Dichloropropane	10.0	9.38	94	0	30	78-120	
1,3-Dichlorobenzene	10.0	8.32	83	5	30	73-120	
1,4-Dichlorobenzene	10.0	8.34	83	4	30	75-120	
2-Hexanone	20.0	19.9	99	6	30	47-139	
Acetone	20.0	17.0	76	3	30	33-145	
Benzene	10.0	9.43	94	1	30	72-121	
Bromoform	10.0	8.66	87	1	30	32-128	
Bromomethane	10.0	9.27	93	13	30	10-186	
Carbon disulfide	10.0	10.1	101	4	30	57-147	
Carbon tetrachloride	10.0	10.1	101	3	30	59-129	
Chlorobenzene	10.0	8.68	87	1	30	80-120	
Chloroethane	10.0	8.58	86	3	30	21-165	
Chloroform	10.0	9.36	94	1	30	76-120	
Chloromethane	10.0	8.20	82	2	30	33-132	
cis-1,2-Dichloroethene	10.0	9.63	96	1	30	70-120	
cis-1,3-Dichloropropene	10.0	9.25	92	1	30	51-120	
Bromodichloromethane	10.0	9.20	92	2	30	67-120	
Dichlorodifluoromethane	10.0	6.65	67	6	30	17-128	
Ethylbenzene	10.0	8.98	90	3	30	75-120	
1,2-Dibromoethane	10.0	9.57	96	1	30	74-120	
m-Xylene & p-Xylene	10.0	8.80	88	4	30	75-120	
Isopropylbenzene	10.0	8.78	88	5	30	68-120	
2-Butanone (MEK)	20.0	18.7	93	0	30	54-129	
4-Methyl-2-pentanone (MIBK)	20.0	20.3	102	1	30	56-131	
Methyl tert-butyl ether	10.0	9.86	99	2	30	46-144	
Methylene Chloride	10.0	9.21	92	1	30	63-128	
o-Xylene	10.0	9.13	91	3	30	76-120	
Styrene	10.0	7.62	76	2	30	71-120	
Tetrachloroethene	10.0	8.92	89	3	30	70-120	
Toluene	10.0	9.17	92	1	30	78-120	
trans-1,2-Dichloroethene	10.0	9.71	97	3	30	80-120	
trans-1,3-Dichloropropene	10.0	9.77	98	1	30	46-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXM7107.D

Lab ID: 240-49022-D-1 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Trichloroethene	10.0	9.44	94	2	30	66-120	
Trichlorofluoromethane	10.0	9.75	97	8	30	46-157	
Vinyl chloride	10.0	7.97	80	1	30	49-130	
Xylenes, Total	20.0	17.9	90	3	30	76-120	
Dibromochloromethane	10.0	8.96	90	1	30	56-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab File ID: UXM7085.D Lab Sample ID: MB 240-175730/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX16 Date Analyzed: 04/09/2015 12:06

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-175730/4	UXM7083.D	04/09/2015 11:20
TB-040615	240-49010-2	UXM7102.D	04/09/2015 18:34
	240-49022-A-1 MS	UXM7106.D	04/09/2015 20:05
	240-49022-D-1 MSD	UXM7107.D	04/09/2015 20:28

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab File ID: BFB4271.D BFB Injection Date: 04/08/2015

Instrument ID: A3UX16 BFB Injection Time: 12:22

Analysis Batch No.: 175603

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.2	
75	30.0 - 60.0 % of mass 95	43.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.6	(0.7)1
174	50.0 - 120.00 % of mass 95	89.8	
175	5.0 - 9.0 % of mass 174	5.9	(6.6)1
176	95.0 - 101.0 % of mass 174	87.4	(97.3)1
177	5.0 - 9.0 % of mass 176	5.5	(6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-175603/2	UXM7066.D	04/08/2015	12:59
	STD8260 240-175603/3	UXM7067.D	04/08/2015	13:22
	STD8260 240-175603/4	UXM7068.D	04/08/2015	13:44
	STD8260 240-175603/5	UXM7069.D	04/08/2015	14:07
	STD8260 240-175603/6	UXM7070.D	04/08/2015	14:30
	STD8260 240-175603/7	UXM7071.D	04/08/2015	14:53
	ICV 240-175603/8	UXM7072.D	04/08/2015	15:15
	STDA9 240-175603/9	UXM7073.D	04/08/2015	15:38
	STDA9 240-175603/10	UXM7074.D	04/08/2015	16:01
	STDA9 240-175603/11	UXM7075.D	04/08/2015	16:24
	STDA9 240-175603/12	UXM7076.D	04/08/2015	16:46
	STDA9 240-175603/13	UXM7077.D	04/08/2015	17:09
	STDA9 240-175603/14	UXM7078.D	04/08/2015	17:32
	ICV 240-175603/15	UXM7079.D	04/08/2015	17:55

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab File ID: BFB4272.D BFB Injection Date: 04/09/2015

Instrument ID: A3UX16 BFB Injection Time: 09:53

Analysis Batch No.: 175730

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.6	
75	30.0 - 60.0 % of mass 95	44.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	0.7	(0.7)1
174	50.0 - 120.00 % of mass 95	89.6	
175	5.0 - 9.0 % of mass 174	5.9	(6.6)1
176	95.0 - 101.0 % of mass 174	86.2	(96.2)1
177	5.0 - 9.0 % of mass 176	5.5	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-175730/2	UXM7081.D	04/09/2015	10:35
	CCV 240-175730/3	UXM7082.D	04/09/2015	10:57
	LCS 240-175730/4	UXM7083.D	04/09/2015	11:20
	MB 240-175730/6	UXM7085.D	04/09/2015	12:06
TB-040615	240-49010-2	UXM7102.D	04/09/2015	18:34
	240-49022-A-1 MS	UXM7106.D	04/09/2015	20:05
	240-49022-D-1 MSD	UXM7107.D	04/09/2015	20:28

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Sample No.: STD8260 240-175603/4 Date Analyzed: 04/08/2015 13:44

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM7068.D Heated Purge: (Y/N) N

Calibration ID: 27787

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1548065	5.59	1098353	8.28	639037	10.51
UPPER LIMIT		3096130	6.09	2196706	8.78	1278074	11.01
LOWER LIMIT		774033	5.09	549177	7.78	319519	10.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-175603/8		1626133	5.59	1148226	8.28	645335	10.51
ICV 240-175603/15		1567926	5.59	1133432	8.28	599695	10.51
CCVIS 240-175730/2		1619605	5.59	1165506	8.28	663916	10.51

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Sample No.: CCVIS 240-175730/2 Date Analyzed: 04/09/2015 10:35

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM7081.D Heated Purge: (Y/N) N

Calibration ID: 27790

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1619605	5.59	1165506	8.28	663916	10.51
UPPER LIMIT		3239210	6.09	2331012	8.78	1327832	11.01
LOWER LIMIT		809803	5.09	582753	7.78	331958	10.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-175730/3		1607368	5.59	1138317	8.28	629349	10.51
LCS 240-175730/4		1619676	5.59	1168877	8.28	648310	10.51
MB 240-175730/6		1561297	5.59	1133994	8.28	583466	10.51
240-49010-2	TB-040615	1505110	5.59	1081015	8.28	583866	10.51
240-49022-A-1 MS		1539715	5.59	1107286	8.28	617415	10.51
240-49022-D-1 MSD		1529772	5.59	1081252	8.28	612420	10.51

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: TB-040615 | Lab Sample ID: 240-49010-2

Matrix: Water | Lab File ID: UXM7102.D

Analysis Method: 8260B | Date Collected: 04/06/2015 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/09/2015 18:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 175730 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.28	U	1.0	0.28
71-55-6	1,1,1-Trichloroethane	0.44	U	1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.45	U	1.0	0.45
75-34-3	1,1-Dichloroethane	0.30	U	1.0	0.30
75-35-4	1,1-Dichloroethene	0.45	U	1.0	0.45
563-58-6	1,1-Dichloropropene	0.42	U	1.0	0.42
87-61-6	1,2,3-Trichlorobenzene	0.37	U	1.0	0.37
96-18-4	1,2,3-Trichloropropane	0.44	U	1.0	0.44
526-73-8	1,2,3-Trimethylbenzene	0.47	U	5.0	0.47
120-82-1	1,2,4-Trichlorobenzene	0.32	U	1.0	0.32
95-63-6	1,2,4-Trimethylbenzene	0.41	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	0.82	U	2.0	0.82
95-50-1	1,2-Dichlorobenzene	0.25	U	1.0	0.25
107-06-2	1,2-Dichloroethane	0.23	U	1.0	0.23
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25
541-73-1	1,3-Dichlorobenzene	0.19	U	1.0	0.19
142-28-9	1,3-Dichloropropane	0.19	U	1.0	0.19
106-46-7	1,4-Dichlorobenzene	0.27	U	1.0	0.27
594-20-7	2,2-Dichloropropane	0.26	U	1.0	0.26
110-75-8	2-Chloroethyl vinyl ether	0.59	U	10	0.59
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40
591-78-6	2-Hexanone	0.48	U	10	0.48
108-86-1	Bromobenzene	0.35	U	1.0	0.35
74-97-5	Bromochloromethane	0.50	U	1.0	0.50
106-43-4	4-Chlorotoluene	0.29	U	1.0	0.29
99-87-6	p-Isopropyltoluene	0.43	U	1.0	0.43
67-64-1	Acetone	0.94	U	10	0.94
71-43-2	Benzene	0.35	U	1.0	0.35
75-25-2	Bromoform	0.56	U	1.0	0.56
74-83-9	Bromomethane	0.44	U	1.0	0.44
75-15-0	Carbon disulfide	0.38	U	1.0	0.38
56-23-5	Carbon tetrachloride	0.43	U	1.0	0.43
108-90-7	Chlorobenzene	0.25	U	1.0	0.25
75-00-3	Chloroethane	0.32	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: TB-040615 | Lab Sample ID: 240-49010-2

Matrix: Water | Lab File ID: UXM7102.D

Analysis Method: 8260B | Date Collected: 04/06/2015 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/09/2015 18:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 175730 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.25	U	1.0	0.25
74-87-3	Chloromethane	0.44	U	1.0	0.44
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.46	U	1.0	0.46
87-68-3	Hexachlorobutadiene	0.35	U	1.0	0.35
74-95-3	Dibromomethane	0.42	U	1.0	0.42
75-27-4	Bromodichloromethane	0.29	U	1.0	0.29
75-71-8	Dichlorodifluoromethane	0.32	U	1.0	0.32
100-41-4	Ethylbenzene	0.25	U	1.0	0.25
106-93-4	1,2-Dibromoethane	0.32	U	1.0	0.32
108-20-3	Diisopropyl ether	0.50	U	10	0.50
91-20-3	Naphthalene	0.45	U	1.0	0.45
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
104-51-8	n-Butylbenzene	0.31	U	1.0	0.31
98-82-8	Isopropylbenzene	0.35	U	1.0	0.35
103-65-1	N-Propylbenzene	0.40	U	1.0	0.40
78-93-3	2-Butanone (MEK)	0.53	U	10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	10	0.99
135-98-8	sec-Butylbenzene	0.48	U	1.0	0.48
1634-04-4	Methyl tert-butyl ether	0.20	U	1.0	0.20
994-05-8	Tert-amyl methyl ether	0.30	U	5.0	0.30
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
95-47-6	o-Xylene	0.25	U	1.0	0.25
100-42-5	Styrene	0.45	U	1.0	0.45
637-92-3	Ethyl t-butyl ether	0.23	U	5.0	0.23
98-06-6	tert-Butylbenzene	0.41	U	1.0	0.41
127-18-4	Tetrachloroethene	0.31	U	1.0	0.31
108-88-3	Toluene	0.23	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	0.30	U	1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	0.56	U	1.0	0.56
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-69-4	Trichlorofluoromethane	0.49	U	1.0	0.49
108-05-4	Vinyl acetate	0.41	U	2.0	0.41
75-01-4	Vinyl chloride	0.29	U	1.0	0.29
75-65-0	tert-Butyl alcohol (TBA)	4.9	U	50	4.9
1330-20-7	Xylenes, Total	0.52	U	2.0	0.52

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: TB-040615 | Lab Sample ID: 240-49010-2

Matrix: Water | Lab File ID: UXM7102.D

Analysis Method: 8260B | Date Collected: 04/06/2015 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/09/2015 18:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 175730 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.43	U	1.0	0.43

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		63-129
460-00-4	4-Bromofluorobenzene (Surr)	100		66-120
2037-26-5	Toluene-d8 (Surr)	94		74-120
1868-53-7	Dibromofluoromethane (Surr)	92		75-121

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 175603

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2015 12:59 Calibration End Date: 04/08/2015 14:53 Calibration ID: 27787

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-175603/7	UXM7071.D
Level 2	STD8260 240-175603/6	UXM7070.D
Level 3	STD8260 240-175603/5	UXM7069.D
Level 4	STD8260 240-175603/4	UXM7068.D
Level 5	STD8260 240-175603/3	UXM7067.D
Level 6	STD8260 240-175603/2	UXM7066.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1833 0.2041	0.1781	0.1744	0.1568	0.2090	Ave		0.1843				10.6		15.0			
Chloromethane	0.2517 0.2544	0.2624	0.2546	0.2508	0.2480	Ave		0.2536			0.1000	1.9		15.0			
Vinyl chloride	0.2837 0.2921	0.2803	0.2773	0.2582	0.2802	Ave		0.2786				4.0		15.0			
Butadiene	0.2508 0.2658	0.2588	0.2486	0.2172	0.2639	Ave		0.2509				7.1		15.0			
Bromomethane	0.1508 0.1269	0.1380	0.1275	0.1338	0.1289	Ave		0.1343				6.8		15.0			
Chloroethane	0.1685 0.1630	0.1697	0.1592	0.1588	0.1615	Ave		0.1634				2.8		15.0			
Dichlorofluoromethane	0.3803 0.3626	0.3786	0.3496	0.3636	0.3596	Ave		0.3657				3.2		15.0			
Trichlorofluoromethane	0.2373 0.2626	0.2504	0.2297	0.2163	0.2607	Ave		0.2428				7.5		15.0			
Ethyl ether	0.1803 0.1824	0.1847	0.1741	0.1841	0.1760	Ave		0.1803				2.4		15.0			
Acrolein	0.0215 0.0247	0.0233	0.0240	0.0216	0.0247	Ave		0.0233				6.2		15.0			
1,1-Dichloroethene	0.2005 0.2123	0.1917	0.1993	0.2051	0.2048	Ave		0.2023				3.4		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1546 0.1634	0.1426	0.1497	0.1644	0.1685	Ave		0.1572				6.3		15.0			
Acetone	0.0710 0.0550	0.0645	0.0573	0.0573	0.0576	Ave		0.0604				10.1		15.0			
Iodomethane	0.3228 0.3200	0.3186	0.3109	0.3321	0.3049	Ave		0.3182				3.0		15.0			
Carbon disulfide	0.6144 0.6473	0.6200	0.6167	0.6180	0.6164	Ave		0.6221				2.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 175603

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2015 12:59 Calibration End Date: 04/08/2015 14:53 Calibration ID: 27787

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
3-Chloro-1-propene	0.1334 0.1427	0.1387	0.1342	0.1426	0.1349	Ave		0.1377				3.1		15.0			
Methyl acetate	0.1300 0.1383	0.1321	0.1294	0.1357	0.1337	Ave		0.1332				2.6		15.0			
Methylene Chloride	0.3536 0.2403	0.2921	0.2540	0.2585	0.2339	Lin1	0.1164	0.2357							0.9990		0.9900
tert-Butyl alcohol (TBA)	0.0132 0.0125	0.0133	0.0123	0.0127	0.0127	Ave		0.0128				3.0		15.0			
Acrylonitrile	0.0675 0.0726	0.0660	0.0653	0.0723	0.0711	Ave		0.0691				4.8		15.0			
trans-1,2-Dichloroethene	0.2473 0.2416	0.2540	0.2379	0.2443	0.2312	Ave		0.2427				3.2		15.0			
Methyl tert-butyl ether	0.5747 0.6168	0.5772	0.5867	0.6059	0.5892	Ave		0.5917				2.8		15.0			
Hexane	0.0550 0.0638	0.0504	0.0570	0.0601	0.0649	Ave		0.0585				9.4		15.0			
1,1-Dichloroethane	0.4018 0.4100	0.3831	0.3874	0.4100	0.3890	Ave		0.3969			0.1000	3.0		15.0			
Vinyl acetate	0.1646 0.1765	0.1621	0.1610	0.1725	0.1681	Ave		0.1675				3.6		15.0			
2-Butanone (MEK)	0.0747 0.0760	0.0750	0.0727	0.0760	0.0766	Ave		0.0752				1.9		15.0			
cis-1,2-Dichloroethene	0.2507 0.2661	0.2645	0.2547	0.2694	0.2488	Ave		0.2590				3.4		15.0			
2,2-Dichloropropane	0.2655 0.2497	0.2482	0.2589	0.2602	0.2434	Ave		0.2543				3.3		15.0			
Bromochloromethane	0.1265 0.1238	0.1168	0.1176	0.1275	0.1170	Ave		0.1215				4.1		15.0			
Tetrahydrofuran	0.0510 0.0477	0.0502	0.0452	0.0467	0.0464	Ave		0.0479				4.8		15.0			
Chloroform	0.3796 0.3964	0.3849	0.3953	0.4052	0.3705	Ave		0.3887				3.3		15.0			
1,1,1-Trichloroethane	0.2899 0.3024	0.2855	0.2972	0.3084	0.2910	Ave		0.2957				2.9		15.0			
Cyclohexane	0.3496 0.3871	0.3268	0.3615	0.3732	0.3956	Ave		0.3656				6.9		15.0			
1,1-Dichloropropene	0.2946 0.3099	0.3016	0.2962	0.2984	0.2972	Ave		0.2996				1.8		15.0			
Carbon tetrachloride	0.2280 0.2579	0.2402	0.2379	0.2447	0.2479	Ave		0.2428				4.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 175603

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2015 12:59 Calibration End Date: 04/08/2015 14:53 Calibration ID: 27787

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isobutyl alcohol	0.0045 0.0044	0.0046	0.0043	0.0044	0.0044	Ave		0.0044				2.4		15.0			
1,2-Dichloroethane	0.2488 0.2792	0.2747	0.2705	0.2842	0.2650	Ave		0.2704				4.6		15.0			
Benzene	0.9963 1.0421	0.9831	0.9902	1.0340	0.9655	Ave		1.0019				3.0		15.0			
n-Heptane	0.4108 0.1539	0.2574	0.1957	0.1662	0.1711	Lin1	0.2434	0.1498							0.9980		0.9900
Trichloroethene	0.2482 0.2624	0.2520	0.2554	0.2625	0.2472	Ave		0.2546				2.6		15.0			
Methylcyclohexane	0.3760 0.4084	0.3601	0.3743	0.3879	0.4198	Ave		0.3877				5.8		15.0			
1,2-Dichloropropane	0.2116 0.2377	0.2235	0.2308	0.2357	0.2207	Ave		0.2267				4.4		15.0			
Dibromomethane	0.1112 0.1252	0.1202	0.1186	0.1268	0.1197	Ave		0.1203				4.6		15.0			
1,4-Dioxane	0.0014 0.0017	0.0017	0.0017	0.0017	0.0017	Ave		0.0017				7.0		15.0			
Bromodichloromethane	0.2601 0.2993	0.2722	0.2736	0.2929	0.2728	Ave		0.2785				5.3		15.0			
2-Chloroethyl vinyl ether	0.1069 0.1290	0.1150	0.1168	0.1249	0.1236	Ave		0.1194				6.7		15.0			
cis-1,3-Dichloropropene	0.2996 0.3589	0.3198	0.3178	0.3421	0.3297	Ave		0.3280				6.3		15.0			
4-Methyl-2-pentanone (MIBK)	0.1423 0.1538	0.1486	0.1430	0.1525	0.1512	Ave		0.1486				3.3		15.0			
Toluene	1.4247 1.5718	1.4555	1.4684	1.5094	1.4540	Ave		1.4806				3.5		15.0			
trans-1,3-Dichloropropene	0.3439 0.4051	0.3727	0.3697	0.3854	0.3793	Ave		0.3760				5.4		15.0			
Ethyl methacrylate	0.2923 0.3233	0.2909	0.2973	0.3095	0.3102	Ave		0.3039				4.2		15.0			
1,1,2-Trichloroethane	0.2707 0.2654	0.2634	0.2612	0.2725	0.2605	Ave		0.2656				1.9		15.0			
1,3-Dichloropropane	0.4657 0.4872	0.4534	0.4672	0.4845	0.4670	Ave		0.4708				2.7		15.0			
Tetrachloroethene	0.2854 0.2886	0.2689	0.2748	0.2870	0.2778	Ave		0.2804				2.8		15.0			
2-Hexanone	0.1440 0.1445	0.1434	0.1447	0.1443	0.1474	Ave		0.1447				1.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 175603

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2015 12:59 Calibration End Date: 04/08/2015 14:53 Calibration ID: 27787

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dibromochloromethane	0.2611 0.3026	0.2588	0.2617	0.2728	0.2748	Ave		0.2720				6.0		15.0			
1,2-Dibromoethane	0.2394 0.2611	0.2528	0.2444	0.2649	0.2503	Ave		0.2521				3.8		15.0			
Chlorobenzene	0.9603 0.9689	0.9350	0.9438	0.9738	0.9128	Ave		0.9491			0.3000	2.4		15.0			
1,1,1,2-Tetrachloroethane	0.2861 0.3202	0.2998	0.2980	0.3138	0.2947	Ave		0.3021				4.2		15.0			
Ethylbenzene	0.4672 0.5352	0.5035	0.5112	0.5240	0.5046	Ave		0.5076				4.6		15.0			
m-Xylene & p-Xylene	0.5783 0.6653	0.6454	0.6325	0.6657	0.6261	Ave		0.6356				5.1		15.0			
o-Xylene	0.5843 0.6555	0.5765	0.6126	0.6501	0.6056	Ave		0.6141				5.3		15.0			
Styrene	0.9252 1.0625	0.9554	0.9576	1.0266	0.9787	Ave		0.9843				5.2		15.0			
Bromoform	0.1498 0.1896	0.1497	0.1590	0.1714	0.1748	Ave		0.1657			0.1000	9.5		15.0			
Isopropylbenzene	1.5435 1.7660	1.5369	1.5930	1.6826	1.6262	Ave		1.6247				5.4		15.0			
1,1,2,2-Tetrachloroethane	0.6061 0.5908	0.5888	0.5615	0.5956	0.5777	Ave		0.5868			0.3000	2.6		15.0			
Bromobenzene	0.7526 0.7383	0.7366	0.7011	0.7216	0.6869	Ave		0.7228				3.4		15.0			
1,2,3-Trichloropropane	0.1800 0.1810	0.1968	0.1757	0.1820	0.1785	Ave		0.1823				4.1		15.0			
trans-1,4-Dichloro-2-butene	0.1513 0.1508	0.1307	0.1391	0.1422	0.1464	Ave		0.1434				5.5		15.0			
N-Propylbenzene	0.7824 0.8278	0.7676	0.7975	0.7939	0.7805	Ave		0.7916				2.6		15.0			
2-Chlorotoluene	0.7373 0.6951	0.6650	0.6740	0.6840	0.6452	Ave		0.6834				4.6		15.0			
1,3,5-Trimethylbenzene	2.3143 2.5771	2.3696	2.3861	2.4000	2.3390	Ave		2.3977				3.9		15.0			
4-Chlorotoluene	0.7520 0.7364	0.7207	0.7475	0.7196	0.6860	Ave		0.7270				3.3		15.0			
tert-Butylbenzene	2.0967 2.2264	1.9952	2.0926	2.0850	2.0441	Ave		2.0900				3.7		15.0			
1,2,4-Trimethylbenzene	2.4434 2.6940	2.4789	2.4417	2.5599	2.4309	Ave		2.5081				4.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 175603

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2015 12:59 Calibration End Date: 04/08/2015 14:53 Calibration ID: 27787

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
sec-Butylbenzene	3.0228 3.2181	2.8658	2.9969	3.0086	2.9700	Ave		3.0137				3.8		15.0			
1,3-Dichlorobenzene	1.4178 1.4588	1.4468	1.4062	1.4177	1.3387	Ave		1.4143				3.0		15.0			
p-Isopropyltoluene	2.6290 2.8568	2.5110	2.5616	2.6250	2.5941	Ave		2.6296				4.6		15.0			
1,4-Dichlorobenzene	1.5483 1.4920	1.4035	1.4295	1.4519	1.3664	Ave		1.4486				4.5		15.0			
n-Butylbenzene	2.0632 2.3894	2.1608	2.1481	2.2375	2.1731	Ave		2.1953				5.0		15.0			
1,2-Dichlorobenzene	1.3829 1.3600	1.3509	1.3013	1.3534	1.2795	Ave		1.3380				2.9		15.0			
1,2-Dibromo-3-Chloropropane	0.0879 0.1062	0.0925	0.0937	0.1035	0.1059	Ave		0.0983				8.0		15.0			
1,2,4-Trichlorobenzene	0.8049 0.8643	0.8367	0.8059	0.8563	0.8197	Ave		0.8313				3.1		15.0			
Hexachlorobutadiene	0.3756 0.3321	0.3394	0.3346	0.3519	0.3344	Ave		0.3447				4.9		15.0			
Naphthalene	1.7275 1.8957	1.7546	1.7541	1.8123	1.8417	Ave		1.7977				3.6		15.0			
1,2,3-Trichlorobenzene	0.7772 0.7381	0.7117	0.7428	0.7603	0.7300	Ave		0.7434				3.1		15.0			
Dibromofluoromethane (Surr)	0.2071 0.2051	0.2005	0.1961	0.1941	0.1965	Ave		0.1999				2.6		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2362 0.2240	0.2190	0.2141	0.2115	0.2138	Ave		0.2198				4.2		15.0			
Toluene-d8 (Surr)	1.1963 1.2683	1.1869	1.1733	1.1439	1.1943	Ave		1.1938				3.5		15.0			
4-Bromofluorobenzene (Surr)	0.4380 0.4362	0.4242	0.4298	0.4207	0.4229	Ave		0.4286				1.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 175603

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2015 12:59 Calibration End Date: 04/08/2015 14:53 Calibration ID: 27787

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-175603/7	UXM7071.D
Level 2	STD8260 240-175603/6	UXM7070.D
Level 3	STD8260 240-175603/5	UXM7069.D
Level 4	STD8260 240-175603/4	UXM7068.D
Level 5	STD8260 240-175603/3	UXM7067.D
Level 6	STD8260 240-175603/2	UXM7066.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	28917 1337941	55676	140857	242698	654342	1.00 40.0	2.00	5.00	10.0	20.0
Chloromethane	FB	Ave	39695 1668028	82030	205715	388184	776582	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl chloride	FB	Ave	44743 1914766	87630	223994	399722	877355	1.00 40.0	2.00	5.00	10.0	20.0
Butadiene	FB	Ave	39558 1742621	80915	200871	336247	826213	1.00 40.0	2.00	5.00	10.0	20.0
Bromomethane	FB	Ave	23786 832148	43161	103009	207068	403753	1.00 40.0	2.00	5.00	10.0	20.0
Chloroethane	FB	Ave	26576 1068302	53063	128633	245799	505635	1.00 40.0	2.00	5.00	10.0	20.0
Dichlorofluoromethane	FB	Ave	59976 2377077	118360	282460	562834	1126131	1.00 40.0	2.00	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	37426 1721199	78305	185528	334848	816184	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl ether	FB	Ave	28439 1195543	57764	140678	285000	551195	1.00 40.0	2.00	5.00	10.0	20.0
Acrolein	FB	Ave	16994 810121	36457	96810	166842	387150	5.00 200	10.0	25.0	50.0	100
1,1-Dichloroethene	FB	Ave	31625 1391709	59936	161038	317431	641262	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	24378 1071088	44591	120932	254560	527554	1.00 40.0	2.00	5.00	10.0	20.0
Acetone	FB	Ave	22402 720650	40303	92528	177442	360826	2.00 80.0	4.00	10.0	20.0	40.0
Iodomethane	FB	Ave	50914 2097802	99607	251156	514079	954782	1.00 40.0	2.00	5.00	10.0	20.0
Carbon disulfide	FB	Ave	96908 4243718	193845	498244	956729	1930056	1.00 40.0	2.00	5.00	10.0	20.0
3-Chloro-1-propene	FB	Ave	21041 935602	43357	108379	220761	422434	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 175603

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2015 12:59 Calibration End Date: 04/08/2015 14:53 Calibration ID: 27787

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methyl acetate	FB	Ave	102515 4532585	206540	522740	1050530	2092779	5.00 200	10.0	25.0	50.0	100
Methylene Chloride	FB	Lin1	55764 1575545	91345	205234	400235	732381	1.00 40.0	2.00	5.00	10.0	20.0
tert-Butyl alcohol (TBA)	FB	Ave	20864 821282	41529	99599	196624	398073	10.0 400	20.0	50.0	100	200
Acrylonitrile	FB	Ave	106416 4762499	206234	527388	1119754	2227630	10.0 400	20.0	50.0	100	200
trans-1,2-Dichloroethene	FB	Ave	39000 1584112	79405	192169	378226	724105	1.00 40.0	2.00	5.00	10.0	20.0
Methyl tert-butyl ether	FB	Ave	90640 4043206	180473	473972	937984	1844898	1.00 40.0	2.00	5.00	10.0	20.0
Hexane	FB	Ave	8682 418195	15768	46020	93096	203111	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	63377 2687459	119780	312956	634661	1218029	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl acetate	FB	Ave	24926 1110740	48645	124883	256374	505225	0.960 38.4	1.92	4.80	9.60	19.2
2-Butanone (MEK)	FB	Ave	23553 995821	46903	117472	235342	479775	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	39548 1744211	82689	205785	417073	779088	1.00 40.0	2.00	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	41868 1637169	77591	209114	402860	762113	1.00 40.0	2.00	5.00	10.0	20.0
Bromochloromethane	FB	Ave	19945 811318	36532	95005	197438	366316	1.00 40.0	2.00	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	16100 625734	31410	73033	144627	290335	2.00 80.0	4.00	10.0	20.0	40.0
Chloroform	FB	Ave	59879 2598769	120340	319367	627339	1160076	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	45727 1982397	89274	240082	477408	911244	1.00 40.0	2.00	5.00	10.0	20.0
Cyclohexane	FB	Ave	55140 2537686	102189	292014	577795	1238714	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloropropene	FB	Ave	46457 2031242	94286	239308	461974	930586	1.00 40.0	2.00	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	35954 1690925	75098	192165	378785	776323	1.00 40.0	2.00	5.00	10.0	20.0
Isobutyl alcohol	FB	Ave	17879 728819	35877	86934	168927	345672	25.0 1000	50.0	125	250	500
1,2-Dichloroethane	FB	Ave	39243 1830226	85876	218533	439901	829916	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 175603

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2015 12:59 Calibration End Date: 04/08/2015 14:53 Calibration ID: 27787

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzene	FB	Ave	157136 6831596	307377	799946	1600731	3023331	1.00 40.0	2.00	5.00	10.0	20.0
n-Heptane	FB	Lin1	64799 1008824	80485	158070	257320	535664	1.00 40.0	2.00	5.00	10.0	20.0
Trichloroethene	FB	Ave	39145 1720443	78784	206338	406306	774022	1.00 40.0	2.00	5.00	10.0	20.0
Methylcyclohexane	FB	Ave	59299 2677033	112582	302407	600527	1314375	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	33374 1558233	69884	186424	364937	691031	1.00 40.0	2.00	5.00	10.0	20.0
Dibromomethane	FB	Ave	17545 820681	37594	95833	196259	374840	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dioxane	FB	Ave	4528 216590	10888	27293	53729	107755	20.0 800	40.0	100	200	400
Bromodichloromethane	FB	Ave	41017 1962005	85112	220994	453434	854238	1.00 40.0	2.00	5.00	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	33706 1691518	71924	188701	386667	774211	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	47246 2352543	99996	256701	529653	1032269	1.00 40.0	2.00	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	44881 2016114	92946	231016	472020	947026	2.00 80.0	4.00	10.0	20.0	40.0
Toluene	CBZ	Ave	158809 7321596	327977	836157	1657841	3233786	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Ave	38332 1886900	83980	210531	423296	843701	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl methacrylate	CBZ	Ave	32579 1506095	65551	169293	339950	689972	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloroethane	CBZ	Ave	30179 1236313	59363	148725	299335	579355	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichloropropane	CBZ	Ave	51904 2269203	102163	266053	532175	1038725	1.00 40.0	2.00	5.00	10.0	20.0
Tetrachloroethene	CBZ	Ave	31809 1344334	60595	156477	315179	617820	1.00 40.0	2.00	5.00	10.0	20.0
2-Hexanone	CBZ	Ave	32101 1345845	64637	164796	316954	655516	2.00 80.0	4.00	10.0	20.0	40.0
Dibromochloromethane	CBZ	Ave	29103 1409447	58315	149029	299624	611228	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromoethane	CBZ	Ave	26687 1216021	56955	139164	290915	556631	1.00 40.0	2.00	5.00	10.0	20.0
Chlorobenzene	CBZ	Ave	107038 4513086	210696	537400	1069581	2030052	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 175603

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2015 12:59 Calibration End Date: 04/08/2015 14:53 Calibration ID: 27787

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1,1,2-Tetrachloroethane	CBZ	Ave	31888 1491712	67561	169683	344706	655526	1.00 40.0	2.00	5.00	10.0	20.0
Ethylbenzene	CBZ	Ave	52078 2492722	113464	291113	575507	1122373	1.00 40.0	2.00	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	64465 3099024	145431	360143	731190	1392483	1.00 40.0	2.00	5.00	10.0	20.0
o-Xylene	CBZ	Ave	65124 3053079	129904	348841	714012	1346892	1.00 40.0	2.00	5.00	10.0	20.0
Styrene	CBZ	Ave	103130 4949000	215294	545252	1127566	2176702	1.00 40.0	2.00	5.00	10.0	20.0
Bromoform	CBZ	Ave	16692 882996	33744	90533	188261	388875	1.00 40.0	2.00	5.00	10.0	20.0
Isopropylbenzene	CBZ	Ave	172044 8225855	346325	907101	1848075	3616868	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	36065 1553377	71837	179157	380619	739115	1.00 40.0	2.00	5.00	10.0	20.0
Bromobenzene	DCB	Ave	44780 1941323	89860	223701	461127	878811	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	10712 476037	24014	56075	116273	228346	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	9003 396411	15946	44369	90862	187283	1.00 40.0	2.00	5.00	10.0	20.0
N-Propylbenzene	DCB	Ave	46555 2176692	93650	254462	507345	998554	1.00 40.0	2.00	5.00	10.0	20.0
2-Chlorotoluene	DCB	Ave	43871 1827779	81124	215043	437074	825480	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	137702 6776517	289090	761323	1533706	2992535	1.00 40.0	2.00	5.00	10.0	20.0
4-Chlorotoluene	DCB	Ave	44743 1936347	87928	238520	459872	877636	1.00 40.0	2.00	5.00	10.0	20.0
tert-Butylbenzene	DCB	Ave	124757 5854333	243411	667699	1332376	2615271	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	145383 7083933	302427	779068	1635840	3110140	1.00 40.0	2.00	5.00	10.0	20.0
sec-Butylbenzene	DCB	Ave	179857 8462061	349623	956212	1922604	3799898	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	84359 3835946	176506	448685	905984	1712753	1.00 40.0	2.00	5.00	10.0	20.0
p-Isopropyltoluene	DCB	Ave	156428 7511918	306339	817341	1677489	3318892	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	92128 3923201	171223	456122	927811	1748229	1.00 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 175603

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2015 12:59 Calibration End Date: 04/08/2015 14:53 Calibration ID: 27787

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
n-Butylbenzene	DCB	Ave	122761 6282819	263622	685404	1429823	2780296	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	82283 3576090	164804	415221	864865	1637059	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	5233 279200	11289	29908	66116	135520	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	47895 2272778	102074	257150	547207	1048708	1.00 40.0	2.00	5.00	10.0	20.0
Hexachlorobutadiene	DCB	Ave	22350 873236	41409	106764	224846	427869	1.00 40.0	2.00	5.00	10.0	20.0
Naphthalene	DCB	Ave	102789 4984706	214063	559666	1158120	2356360	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	46243 1940882	86828	237020	485845	933941	1.00 40.0	2.00	5.00	10.0	20.0
Dibromofluoromethane (Surr)	FB	Ave	32663 1344293	62674	158433	300503	615314	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	37257 1468188	68480	172978	327407	669473	1.00 40.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	133342 5907752	267445	668083	1256422	2656188	1.00 40.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	48826 2031763	95592	244718	462107	940483	1.00 40.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 175603

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2015 15:38 Calibration End Date: 04/08/2015 17:32 Calibration ID: 27790

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-175603/14	UXM7078.D
Level 2	STDA9 240-175603/13	UXM7077.D
Level 3	STDA9 240-175603/12	UXM7076.D
Level 4	STDA9 240-175603/11	UXM7075.D
Level 5	STDA9 240-175603/10	UXM7074.D
Level 6	STDA9 240-175603/9	UXM7073.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	0.0201 0.0202	0.0206	0.0213	0.0192	0.0208	Ave		0.0204				3.6		15.0			
Diisopropyl ether	0.2070 0.2135	0.2081	0.2062	0.2076	0.2129	Ave		0.2092				1.5		15.0			
2-Chloro-1,3-butadiene	0.3249 0.3458	0.3198	0.3356	0.3307	0.3541	Ave		0.3352				3.8		15.0			
Ethyl t-butyl ether	0.6375 0.6867	0.6252	0.6588	0.6611	0.6812	Ave		0.6584				3.6		15.0			
Propionitrile	0.0225 0.0248	0.0230	0.0242	0.0244	0.0244	Ave		0.0239				3.9		15.0			
Ethyl acetate	0.0379 0.0349	0.0359	0.0347	0.0360	0.0339	Ave		0.0356				3.9		15.0			
Methacrylonitrile	0.1003 0.1146	0.1059	0.1089	0.1094	0.1118	Ave		0.1085				4.6		15.0			
Tert-amyl methyl ether	0.5768 0.6345	0.5743	0.6007	0.6004	0.6276	Ave		0.6024				4.1		15.0			
n-Butanol	0.0034 0.0036	0.0036	0.0034	0.0037	0.0037	Ave		0.0036				3.9		15.0			
Ethyl acrylate	0.1909 0.2007	0.1960	0.2030	0.1974	0.1923	Ave		0.1967				2.4		15.0			
Methyl methacrylate	0.1250 0.1436	0.1315	0.1382	0.1422	0.1389	Ave		0.1366				5.2		15.0			
2-Nitropropane	0.0340 0.0352	0.0329	0.0331	0.0323	0.0333	Ave		0.0335				3.0		15.0			
n-Butyl acetate	0.0799 0.0697	0.0726	0.0725	0.0708	0.0684	Ave		0.0723				5.6		15.0			
1-Chlorohexane	0.4038 0.4002	0.3988	0.3908	0.3894	0.4260	Ave		0.4015				3.3		15.0			
Cyclohexanone	0.0116 0.0113	0.0101	0.0116	0.0110	0.0112	Ave		0.0111				5.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 175603

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2015 15:38 Calibration End Date: 04/08/2015 17:32 Calibration ID: 27790

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Pentachloroethane	0.0723 +++++	0.1519	0.1793	0.1681	0.1579	Lin1	-0.125	0.1691							0.9920		0.9900
1,2,3-Trimethylbenzene	2.3318 2.5694	2.3251	2.3451	2.3936	2.5896	Ave		2.4258				5.0		15.0			
Benzyl chloride	0.1301 0.2048	0.1395	0.1455	0.1590	0.1847	Lin1	-0.114	0.1961							0.9920		0.9900
1,3,5-Trichlorobenzene	0.9395 0.9590	0.9539	0.9519	0.9302	1.0065	Ave		0.9568				2.8		15.0			
2-Methylnaphthalene	0.7465 1.0413	0.8751	0.9278	0.9442	1.0796	Ave		0.9358				12.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 175603

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2015 15:38 Calibration End Date: 04/08/2015 17:32 Calibration ID: 27790

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-175603/14	UXM7078.D
Level 2	STDA9 240-175603/13	UXM7077.D
Level 3	STDA9 240-175603/12	UXM7076.D
Level 4	STDA9 240-175603/11	UXM7075.D
Level 5	STDA9 240-175603/10	UXM7074.D
Level 6	STDA9 240-175603/9	UXM7073.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetonitrile	FB	Ave	31329 1294437	63371	162888	298995	652804	10.0 400	20.0	50.0	100	200
Diisopropyl ether	FB	Ave	32317 1369357	63881	157639	323560	667241	1.00 40.0	2.00	5.00	10.0	20.0
2-Chloro-1,3-butadiene	FB	Ave	50735 2217558	98161	256551	515421	1109809	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl t-butyl ether	FB	Ave	99536 4404282	191887	503531	1030325	2135024	1.00 40.0	2.00	5.00	10.0	20.0
Propionitrile	FB	Ave	35090 1588548	70589	185269	380909	764544	10.0 400	20.0	50.0	100	200
Ethyl acetate	FB	Ave	11840 448178	22023	53078	112265	212735	2.00 80.0	4.00	10.0	20.0	40.0
Methacrylonitrile	FB	Ave	156628 7351496	325013	832510	1704360	3503202	10.0 400	20.0	50.0	100	200
Tert-amyl methyl ether	FB	Ave	90060 4069339	176260	459181	935660	1966775	1.00 40.0	2.00	5.00	10.0	20.0
n-Butanol	FB	Ave	13220 582085	27394	65229	143800	291344	25.0 1000	50.0	125	250	500
Ethyl acrylate	FB	Ave	29811 1286845	60147	155171	307621	602720	1.00 40.0	2.00	5.00	10.0	20.0
Methyl methacrylate	FB	Ave	39033 1842391	80696	211284	443334	870343	2.00 80.0	4.00	10.0	20.0	40.0
2-Nitropropane	FB	Ave	10602 451111	20214	50586	100635	208843	2.00 80.0	4.00	10.0	20.0	40.0
n-Butyl acetate	FB	Ave	12475 446986	22294	55387	110386	214210	1.00 40.0	2.00	5.00	10.0	20.0
1-Chlorohexane	CBZ	Ave	45448 1852425	87190	215498	440633	938391	1.00 40.0	2.00	5.00	10.0	20.0
Cyclohexanone	DCB	Ave	6736 281653	11853	34666	65966	137173	10.0 400	20.0	50.0	100	200
Pentachloroethane	CBZ	Lin1	16273 +++++	66422	197797	380443	695761	2.00 +++++	4.00	10.0	20.0	40.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 175603

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/08/2015 15:38 Calibration End Date: 04/08/2015 17:32 Calibration ID: 27790

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2,3-Trimethylbenzene	DCB	Ave	135829 6395259	273876	702961	1431403	3163670	1.00 40.0	2.00	5.00	10.0	20.0
Benzyl chloride	DCB	Lin1	7576 509662	16429	43617	95070	225686	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trichlorobenzene	DCB	Ave	54726 2386927	112358	285343	556287	1229612	1.00 40.0	2.00	5.00	10.0	20.0
2-Methylnaphthalene	DCB	Ave	86971 5183589	206168	556244	1129317	2637867	2.00 80.0	4.00	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICV 240-175603/8 Calibration Date: 04/08/2015 15:15

Instrument ID: A3UX16 Calib Start Date: 04/08/2015 12:59

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/08/2015 14:53

Lab File ID: UXM7072.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1843	0.1350		0.00732	0.0100	-26.8	50.0
Chloromethane	Ave	0.2536	0.2176	0.1000	0.00858	0.0100	-14.2	50.0
Vinyl chloride	Ave	0.2786	0.2390		0.00858	0.0100	-14.2	20.0
Butadiene	Ave	0.2509	0.2177		0.00868	0.0100	-13.2	50.0
Bromomethane	Ave	0.1343	0.1103		0.00821	0.0100	-17.9	50.0
Chloroethane	Ave	0.1634	0.1452		0.00888	0.0100	-11.2	50.0
Dichlorofluoromethane	Ave	0.3657	0.3367		0.00921	0.0100	-7.9	50.0
Trichlorofluoromethane	Ave	0.2428	0.2383		0.00981	0.0100	-1.9	50.0
Ethyl ether	Ave	0.1803	0.1843		0.0102	0.0100	2.2	50.0
Acrolein	Ave	0.0233	0.0234		0.0502	0.0500	0.4	50.0
1,1-Dichloroethene	Ave	0.2023	0.2097		0.0104	0.0100	3.7	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.1572	0.1622		0.0103	0.0100	3.2	50.0
Acetone	Ave	0.0604	0.0585		0.0194	0.0200	-3.2	50.0
Iodomethane	Ave	0.3182	0.3423		0.0108	0.0100	7.6	50.0
Carbon disulfide	Ave	0.6221	0.6706		0.0108	0.0100	7.8	50.0
3-Chloro-1-propene	Ave	0.1377	0.1290		0.00937	0.0100	-6.3	50.0
Methyl acetate	Ave	0.1332	0.1374		0.0516	0.0500	3.2	50.0
Methylene Chloride	Lin1		0.2585		0.0105	0.0100	4.7	50.0
tert-Butyl alcohol (TBA)	Ave	0.0128	0.0123		0.0964	0.100	-3.6	50.0
Acrylonitrile	Ave	0.0691	0.0686		0.0993	0.100	-0.7	50.0
Methyl tert-butyl ether	Ave	0.5917	0.6062		0.0102	0.0100	2.4	50.0
trans-1,2-Dichloroethene	Ave	0.2427	0.2420		0.00997	0.0100	-0.3	50.0
Hexane	Ave	0.0585	0.0671		0.0115	0.0100	14.6	20.0
1,1-Dichloroethane	Ave	0.3969	0.4158	0.1000	0.0105	0.0100	4.8	50.0
Vinyl acetate	Ave	0.1675	0.1183		0.00706	0.0100	-29.4	50.0
2-Butanone (MEK)	Ave	0.0752	0.0759		0.0202	0.0200	0.9	50.0
cis-1,2-Dichloroethene	Ave	0.2590	0.2616		0.0101	0.0100	1.0	50.0
2,2-Dichloropropane	Ave	0.2543	0.2481		0.00976	0.0100	-2.4	50.0
Bromochloromethane	Ave	0.1215	0.1212		0.00998	0.0100	-0.2	50.0
Tetrahydrofuran	Ave	0.0479	0.0448		0.0187	0.0200	-6.5	50.0
Chloroform	Ave	0.3887	0.3881		0.00999	0.0100	-0.1	20.0
1,1,1-Trichloroethane	Ave	0.2957	0.3004		0.0102	0.0100	1.6	50.0
Cyclohexane	Ave	0.3656	0.3762		0.0103	0.0100	2.9	50.0
1,1-Dichloropropene	Ave	0.2996	0.3204		0.0107	0.0100	6.9	50.0
Carbon tetrachloride	Ave	0.2428	0.2510		0.0103	0.0100	3.4	50.0
Isobutyl alcohol	Ave	0.0044	0.0040		0.223	0.250	-10.9	50.0
1,2-Dichloroethane	Ave	0.2704	0.2706		0.0100	0.0100	0.0	50.0
Benzene	Ave	1.002	0.9932		0.00991	0.0100	-0.9	50.0
n-Heptane	Lin1		0.1733		0.00994	0.0100	-0.6	50.0
Trichloroethene	Ave	0.2546	0.2585		0.0102	0.0100	1.5	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICV 240-175603/8 Calibration Date: 04/08/2015 15:15

Instrument ID: A3UX16 Calib Start Date: 04/08/2015 12:59

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/08/2015 14:53

Lab File ID: UXM7072.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3877	0.3879		0.0100	0.0100	0.0	50.0
1,2-Dichloropropane	Ave	0.2267	0.2249		0.00992	0.0100	-0.8	20.0
Dibromomethane	Ave	0.1203	0.1212		0.0101	0.0100	0.7	50.0
1,4-Dioxane	Ave	0.0017	0.0016		0.193	0.200	-3.3	50.0
Bromodichloromethane	Ave	0.2785	0.2746		0.00986	0.0100	-1.4	50.0
2-Chloroethyl vinyl ether	Ave	0.1194	0.1182		0.0119	0.0120	-1.0	50.0
cis-1,3-Dichloropropene	Ave	0.3280	0.3388		0.0103	0.0100	3.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1486	0.1470		0.0198	0.0200	-1.0	50.0
Toluene	Ave	1.481	1.477		0.00998	0.0100	-0.2	20.0
trans-1,3-Dichloropropene	Ave	0.3760	0.4124		0.0110	0.0100	9.7	50.0
Ethyl methacrylate	Ave	0.3039	0.3135		0.0103	0.0100	3.1	50.0
1,1,2-Trichloroethane	Ave	0.2656	0.2559		0.00964	0.0100	-3.6	50.0
1,3-Dichloropropane	Ave	0.4708	0.4586		0.00974	0.0100	-2.6	50.0
Tetrachloroethene	Ave	0.2804	0.2884		0.0103	0.0100	2.8	50.0
2-Hexanone	Ave	0.1447	0.1415		0.0196	0.0200	-2.2	50.0
Dibromochloromethane	Ave	0.2720	0.2725		0.0100	0.0100	0.2	50.0
1,2-Dibromoethane	Ave	0.2521	0.2526		0.0100	0.0100	0.2	50.0
Chlorobenzene	Ave	0.9491	0.9260	0.3000	0.00976	0.0100	-2.4	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3021	0.2978		0.00986	0.0100	-1.4	50.0
Ethylbenzene	Ave	0.5076	0.5078		0.0100	0.0100	0.0	20.0
m-Xylene & p-Xylene	Ave	0.6356	0.6337		0.00997	0.0100	-0.3	50.0
o-Xylene	Ave	0.6141	0.6176		0.0101	0.0100	0.6	50.0
Styrene	Ave	0.9843	0.9112		0.00926	0.0100	-7.4	50.0
Bromoform	Ave	0.1657	0.1625	0.1000	0.00980	0.0100	-2.0	50.0
Isopropylbenzene	Ave	1.625	1.596		0.00982	0.0100	-1.8	50.0
1,1,2,2-Tetrachloroethane	Ave	0.5868	0.5613	0.3000	0.00957	0.0100	-4.3	50.0
Bromobenzene	Ave	0.7228	0.7188		0.00994	0.0100	-0.6	50.0
1,2,3-Trichloropropane	Ave	0.1823	0.1767		0.00969	0.0100	-3.1	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1434	0.1424		0.00993	0.0100	-0.7	50.0
N-Propylbenzene	Ave	0.7916	0.7835		0.00990	0.0100	-1.0	50.0
2-Chlorotoluene	Ave	0.6834	0.6608		0.00967	0.0100	-3.3	50.0
1,3,5-Trimethylbenzene	Ave	2.398	2.370		0.00988	0.0100	-1.2	50.0
4-Chlorotoluene	Ave	0.7270	0.7015		0.00965	0.0100	-3.5	50.0
tert-Butylbenzene	Ave	2.090	2.047		0.00979	0.0100	-2.1	50.0
1,2,4-Trimethylbenzene	Ave	2.508	2.394		0.00955	0.0100	-4.5	50.0
sec-Butylbenzene	Ave	3.014	2.877		0.00955	0.0100	-4.5	50.0
1,3-Dichlorobenzene	Ave	1.414	1.377		0.00973	0.0100	-2.7	50.0
p-Isopropyltoluene	Ave	2.630	2.507		0.00953	0.0100	-4.7	50.0
1,4-Dichlorobenzene	Ave	1.449	1.383		0.00955	0.0100	-4.5	50.0
n-Butylbenzene	Ave	2.195	2.110		0.00961	0.0100	-3.9	50.0
1,2-Dichlorobenzene	Ave	1.338	1.298		0.00970	0.0100	-3.0	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICV 240-175603/8 Calibration Date: 04/08/2015 15:15

Instrument ID: A3UX16 Calib Start Date: 04/08/2015 12:59

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/08/2015 14:53

Lab File ID: UXM7072.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0983	0.0971		0.00988	0.0100	-1.2	50.0
1,2,4-Trichlorobenzene	Ave	0.8313	0.7795		0.00938	0.0100	-6.2	50.0
Hexachlorobutadiene	Ave	0.3447	0.3112		0.00903	0.0100	-9.7	50.0
Naphthalene	Ave	1.798	1.712		0.00952	0.0100	-4.8	50.0
1,2,3-Trichlorobenzene	Ave	0.7434	0.6967		0.00937	0.0100	-6.3	50.0
Dibromofluoromethane (Surr)	Ave	0.1999	0.1881		0.0107	0.0114	-5.9	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2198	0.2021		0.0105	0.0114	-8.0	50.0
Toluene-d8 (Surr)	Ave	1.194	1.143		0.0109	0.0114	-4.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4286	0.4226		0.0112	0.0114	-1.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICV 240-175603/15 Calibration Date: 04/08/2015 17:55

Instrument ID: A3UX16 Calib Start Date: 04/08/2015 15:38

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/08/2015 17:32

Lab File ID: UXM7079.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0204	0.0215		0.106	0.100	5.6	50.0
Diisopropyl ether	Ave	0.2092	0.2219		0.0106	0.0100	6.1	50.0
2-Chloro-1,3-butadiene	Ave	0.3352	0.3507		0.0105	0.0100	4.6	50.0
Ethyl t-butyl ether	Ave	0.6584	0.6808		0.0103	0.0100	3.4	50.0
Propionitrile	Ave	0.0239	0.0258		0.108	0.100	8.0	50.0
Ethyl acetate	Ave	0.0356	0.0814		0.0458	0.0200	128.9*	50.0
Methacrylonitrile	Ave	0.1085	0.1159		0.107	0.100	6.8	50.0
Tert-amyl methyl ether	Ave	0.6024	0.6284		0.0104	0.0100	4.3	50.0
n-Butanol	Ave	0.0036	0.0040		0.282	0.250	12.7	50.0
Ethyl acrylate	Ave	0.1967	0.2111		0.0107	0.0100	7.3	50.0
Methyl methacrylate	Ave	0.1366	0.1463		0.0214	0.0200	7.1	50.0
2-Nitropropane	Ave	0.0335	0.0326		0.0195	0.0200	-2.6	50.0
n-Butyl acetate	Ave	0.0723	0.1294		1.00	0.0100	78.9*	50.0
1-Chlorohexane	Ave	0.4015	0.4114		0.0102	0.0100	2.5	50.0
Cyclohexanone	Ave	0.0111	0.0116		0.104	0.100	4.3	50.0
Pentachloroethane	Lin1		0.0721		0.00927	0.0200	-53.7*	50.0
1,2,3-Trimethylbenzene	Ave	2.426	2.501		0.0103	0.0100	3.1	50.0
Benzyl chloride	Lin1		0.1514		0.00830	0.0100	-17.0	50.0
1,3,5-Trichlorobenzene	Ave	0.9568	0.9508		0.00994	0.0100	-0.6	50.0
2-Methylnaphthalene	Ave	0.9358	0.9242		0.0198	0.0200	-1.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCVIS 240-175730/2 Calibration Date: 04/09/2015 10:35

Instrument ID: A3UX16 Calib Start Date: 04/08/2015 12:59

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/08/2015 14:53

Lab File ID: UXM7081.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1843	0.2112		0.0115	0.0100	14.6	50.0
Chloromethane	Ave	0.2536	0.2626	0.1000	0.0104	0.0100	3.5	50.0
Vinyl chloride	Ave	0.2786	0.2895		0.0104	0.0100	3.9	20.0
Butadiene	Ave	0.2509	0.2678		0.0107	0.0100	6.7	50.0
Bromomethane	Ave	0.1343	0.1424		0.0106	0.0100	6.0	50.0
Chloroethane	Ave	0.1634	0.1715		0.0105	0.0100	4.9	50.0
Dichlorofluoromethane	Ave	0.3657	0.3834		0.0105	0.0100	4.8	50.0
Trichlorofluoromethane	Ave	0.2428	0.2797		0.0115	0.0100	15.2	50.0
Ethyl ether	Ave	0.1803	0.1805		0.0100	0.0100	0.1	50.0
Acrolein	Ave	0.0233	0.0230		0.0492	0.0500	-1.5	50.0
1,1-Dichloroethene	Ave	0.2023	0.2099		0.0104	0.0100	3.8	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.1572	0.1775		0.0113	0.0100	12.9	50.0
Acetone	Ave	0.0604	0.0567		0.0188	0.0200	-6.1	50.0
Iodomethane	Ave	0.3182	0.3232		0.0102	0.0100	1.6	50.0
Carbon disulfide	Ave	0.6221	0.6142		0.00987	0.0100	-1.3	50.0
3-Chloro-1-propene	Ave	0.1377	0.1413		0.0103	0.0100	2.6	50.0
Methyl acetate	Ave	0.1332	0.1352		0.0508	0.0500	1.5	50.0
Methylene Chloride	Lin1		0.2525		0.0102	0.0100	2.2	50.0
tert-Butyl alcohol (TBA)	Ave	0.0128	0.0134		0.105	0.100	4.5	50.0
Acrylonitrile	Ave	0.0691	0.0699		0.101	0.100	1.1	50.0
Methyl tert-butyl ether	Ave	0.5917	0.6070		0.0103	0.0100	2.6	50.0
trans-1,2-Dichloroethene	Ave	0.2427	0.2441		0.0101	0.0100	0.6	50.0
Hexane	Ave	0.0585	0.0639		0.0109	0.0100	9.1	20.0
1,1-Dichloroethane	Ave	0.3969	0.4110	0.1000	0.0104	0.0100	3.5	50.0
Vinyl acetate	Ave	0.1675	0.1633		0.00936	0.00960	-2.5	50.0
2,2-Dichloropropane	Ave	0.2543	0.2688		0.0106	0.0100	5.7	50.0
2-Butanone (MEK)	Ave	0.0752	0.0742		0.0197	0.0200	-1.3	50.0
cis-1,2-Dichloroethene	Ave	0.2590	0.2641		0.0102	0.0100	2.0	50.0
Bromochloromethane	Ave	0.1215	0.1239		0.0102	0.0100	2.0	50.0
Tetrahydrofuran	Ave	0.0479	0.0472		0.0197	0.0200	-1.3	50.0
Chloroform	Ave	0.3887	0.3974		0.0102	0.0100	2.2	20.0
1,1,1-Trichloroethane	Ave	0.2957	0.3095		0.0105	0.0100	4.6	50.0
Cyclohexane	Ave	0.3656	0.3956		0.0108	0.0100	8.2	50.0
1,1-Dichloropropene	Ave	0.2996	0.3171		0.0106	0.0100	5.8	50.0
Carbon tetrachloride	Ave	0.2428	0.2629		0.0108	0.0100	8.3	50.0
Isobutyl alcohol	Ave	0.0044	0.0042		0.237	0.250	-5.0	50.0
1,2-Dichloroethane	Ave	0.2704	0.2764		0.0102	0.0100	2.2	50.0
Benzene	Ave	1.002	0.997		0.00995	0.0100	-0.5	50.0
n-Heptane	Lin1		0.1782		0.0103	0.0100	2.7	50.0
Trichloroethene	Ave	0.2546	0.2663		0.0105	0.0100	4.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCVIS 240-175730/2 Calibration Date: 04/09/2015 10:35

Instrument ID: A3UX16 Calib Start Date: 04/08/2015 12:59

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/08/2015 14:53

Lab File ID: UXM7081.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3877	0.4096		0.0106	0.0100	5.6	50.0
1,2-Dichloropropane	Ave	0.2267	0.2312		0.0102	0.0100	2.0	20.0
Dibromomethane	Ave	0.1203	0.1227		0.0102	0.0100	2.0	50.0
1,4-Dioxane	Ave	0.0017	0.0017		0.206	0.200	3.0	50.0
Bromodichloromethane	Ave	0.2785	0.2888		0.0104	0.0100	3.7	50.0
2-Chloroethyl vinyl ether	Ave	0.1194	0.1225		0.0205	0.0200	2.6	50.0
cis-1,3-Dichloropropene	Ave	0.3280	0.3398		0.0104	0.0100	3.6	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1486	0.1553		0.0209	0.0200	4.5	50.0
Toluene	Ave	1.481	1.495		0.0101	0.0100	1.0	20.0
trans-1,3-Dichloropropene	Ave	0.3760	0.3855		0.0103	0.0100	2.5	50.0
Ethyl methacrylate	Ave	0.3039	0.3097		0.0102	0.0100	1.9	50.0
1,1,2-Trichloroethane	Ave	0.2656	0.2650		0.00997	0.0100	-0.3	50.0
1,3-Dichloropropane	Ave	0.4708	0.4686		0.00995	0.0100	-0.5	50.0
Tetrachloroethene	Ave	0.2804	0.3012		0.0107	0.0100	7.4	50.0
2-Hexanone	Ave	0.1447	0.1442		0.0199	0.0200	-0.4	50.0
Dibromochloromethane	Ave	0.2720	0.2814		0.0103	0.0100	3.5	50.0
1,2-Dibromoethane	Ave	0.2521	0.2574		0.0102	0.0100	2.1	50.0
Chlorobenzene	Ave	0.9491	0.9572	0.3000	0.0101	0.0100	0.9	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3021	0.3137		0.0104	0.0100	3.8	50.0
Ethylbenzene	Ave	0.5076	0.5328		0.0105	0.0100	5.0	20.0
m-Xylene & p-Xylene	Ave	0.6356	0.6420		0.0101	0.0100	1.0	50.0
o-Xylene	Ave	0.6141	0.6456		0.0105	0.0100	5.1	50.0
Styrene	Ave	0.9843	1.002		0.0102	0.0100	1.8	50.0
Bromoform	Ave	0.1657	0.1715	0.1000	0.0103	0.0100	3.5	50.0
Isopropylbenzene	Ave	1.625	1.660		0.0102	0.0100	2.2	50.0
1,1,2,2-Tetrachloroethane	Ave	0.5868	0.5612	0.3000	0.00956	0.0100	-4.4	50.0
Bromobenzene	Ave	0.7228	0.7150		0.00989	0.0100	-1.1	50.0
1,2,3-Trichloropropane	Ave	0.1823	0.1821		0.00999	0.0100	-0.1	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1434	0.1426		0.00995	0.0100	-0.5	50.0
N-Propylbenzene	Ave	0.7916	0.8255		0.0104	0.0100	4.3	50.0
2-Chlorotoluene	Ave	0.6834	0.6865		0.0100	0.0100	0.4	50.0
1,3,5-Trimethylbenzene	Ave	2.398	2.433		0.0101	0.0100	1.5	50.0
4-Chlorotoluene	Ave	0.7270	0.7362		0.0101	0.0100	1.3	50.0
tert-Butylbenzene	Ave	2.090	2.147		0.0103	0.0100	2.7	50.0
1,2,4-Trimethylbenzene	Ave	2.508	2.522		0.0101	0.0100	0.6	50.0
sec-Butylbenzene	Ave	3.014	3.042		0.0101	0.0100	0.9	50.0
1,3-Dichlorobenzene	Ave	1.414	1.410		0.00997	0.0100	-0.3	50.0
p-Isopropyltoluene	Ave	2.630	2.678		0.0102	0.0100	1.8	50.0
1,4-Dichlorobenzene	Ave	1.449	1.436		0.00992	0.0100	-0.8	50.0
n-Butylbenzene	Ave	2.195	2.231		0.0102	0.0100	1.6	50.0
1,2-Dichlorobenzene	Ave	1.338	1.329		0.00993	0.0100	-0.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCVIS 240-175730/2 Calibration Date: 04/09/2015 10:35

Instrument ID: A3UX16 Calib Start Date: 04/08/2015 12:59

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/08/2015 14:53

Lab File ID: UXM7081.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0983	0.1020		0.0104	0.0100	3.8	50.0
1,2,4-Trichlorobenzene	Ave	0.8313	0.8303		0.00999	0.0100	-0.1	50.0
Hexachlorobutadiene	Ave	0.3447	0.3461		0.0100	0.0100	0.4	50.0
Naphthalene	Ave	1.798	1.737		0.00966	0.0100	-3.4	50.0
1,2,3-Trichlorobenzene	Ave	0.7434	0.7265		0.00977	0.0100	-2.3	50.0
Dibromofluoromethane (Surr)	Ave	0.1999	0.1914		0.0109	0.0114	-4.3	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2198	0.2072		0.0107	0.0114	-5.7	50.0
Toluene-d8 (Surr)	Ave	1.194	1.151		0.0110	0.0114	-3.6	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4286	0.4295		0.0114	0.0114	0.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175730/3 Calibration Date: 04/09/2015 10:57

Instrument ID: A3UX16 Calib Start Date: 04/08/2015 15:38

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/08/2015 17:32

Lab File ID: UXM7082.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0204	0.0198		0.0974	0.100	-2.6	50.0
Diisopropyl ether	Ave	0.2092	0.2109		0.0101	0.0100	0.8	50.0
2-Chloro-1,3-butadiene	Ave	0.3352	0.3545		0.0106	0.0100	5.8	50.0
Ethyl t-butyl ether	Ave	0.6584	0.6717		0.0102	0.0100	2.0	50.0
Propionitrile	Ave	0.0239	0.0246		0.103	0.100	3.0	50.0
Ethyl acetate	Ave	0.0356	0.0357		0.0201	0.0200	0.3	50.0
Methacrylonitrile	Ave	0.1085	0.1098		0.101	0.100	1.2	50.0
Tert-amyl methyl ether	Ave	0.6024	0.6211		0.0103	0.0100	3.1	50.0
n-Butanol	Ave	0.0036	0.0035		0.246	0.250	-1.7	50.0
Ethyl acrylate	Ave	0.1967	0.1895		0.00963	0.0100	-3.7	50.0
Methyl methacrylate	Ave	0.1366	0.1416		0.0207	0.0200	3.7	50.0
2-Nitropropane	Ave	0.0335	0.0325		0.0194	0.0200	-2.9	50.0
n-Butyl acetate	Ave	0.0723	0.0702		1.00	0.0100	-2.9	50.0
1-Chlorohexane	Ave	0.4015	0.4288		0.0107	0.0100	6.8	50.0
Cyclohexanone	Ave	0.0111	0.0104		0.0936	0.100	-6.4	50.0
Pentachloroethane	Lin1		0.2066		0.0252	0.0200	25.9	50.0
1,2,3-Trimethylbenzene	Ave	2.426	2.464		0.0102	0.0100	1.6	50.0
Benzyl chloride	Lin1		0.1803		0.00977	0.0100	-2.3	50.0
1,3,5-Trichlorobenzene	Ave	0.9568	0.9569		0.0100	0.0100	0.0	50.0
2-Methylnaphthalene	Ave	0.9358	0.8195		0.0175	0.0200	-12.4	50.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-175730/6

Matrix: Water | Lab File ID: UXM7085.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/09/2015 12:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 175730 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.28	U	1.0	0.28
71-55-6	1,1,1-Trichloroethane	0.44	U	1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.45	U	1.0	0.45
75-34-3	1,1-Dichloroethane	0.30	U	1.0	0.30
75-35-4	1,1-Dichloroethene	0.45	U	1.0	0.45
563-58-6	1,1-Dichloropropene	0.42	U	1.0	0.42
87-61-6	1,2,3-Trichlorobenzene	0.37	U	1.0	0.37
96-18-4	1,2,3-Trichloropropane	0.44	U	1.0	0.44
526-73-8	1,2,3-Trimethylbenzene	0.47	U	5.0	0.47
120-82-1	1,2,4-Trichlorobenzene	0.32	U	1.0	0.32
95-63-6	1,2,4-Trimethylbenzene	0.41	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	0.82	U	2.0	0.82
95-50-1	1,2-Dichlorobenzene	0.25	U	1.0	0.25
107-06-2	1,2-Dichloroethane	0.23	U	1.0	0.23
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25
541-73-1	1,3-Dichlorobenzene	0.19	U	1.0	0.19
142-28-9	1,3-Dichloropropane	0.19	U	1.0	0.19
106-46-7	1,4-Dichlorobenzene	0.27	U	1.0	0.27
594-20-7	2,2-Dichloropropane	0.26	U	1.0	0.26
110-75-8	2-Chloroethyl vinyl ether	0.59	U	10	0.59
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40
591-78-6	2-Hexanone	0.48	U	10	0.48
108-86-1	Bromobenzene	0.35	U	1.0	0.35
74-97-5	Bromochloromethane	0.50	U	1.0	0.50
106-43-4	4-Chlorotoluene	0.29	U	1.0	0.29
99-87-6	p-Isopropyltoluene	0.43	U	1.0	0.43
67-64-1	Acetone	1.64	J	10	0.94
71-43-2	Benzene	0.35	U	1.0	0.35
75-25-2	Bromoform	0.56	U	1.0	0.56
74-83-9	Bromomethane	0.44	U	1.0	0.44
75-15-0	Carbon disulfide	0.38	U	1.0	0.38
56-23-5	Carbon tetrachloride	0.43	U	1.0	0.43
108-90-7	Chlorobenzene	0.25	U	1.0	0.25
75-00-3	Chloroethane	0.32	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-175730/6

Matrix: Water | Lab File ID: UXM7085.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/09/2015 12:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 175730 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.25	U	1.0	0.25
74-87-3	Chloromethane	0.44	U	1.0	0.44
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.46	U	1.0	0.46
87-68-3	Hexachlorobutadiene	0.35	U	1.0	0.35
74-95-3	Dibromomethane	0.42	U	1.0	0.42
75-27-4	Bromodichloromethane	0.29	U	1.0	0.29
75-71-8	Dichlorodifluoromethane	0.32	U	1.0	0.32
100-41-4	Ethylbenzene	0.25	U	1.0	0.25
106-93-4	1,2-Dibromoethane	0.32	U	1.0	0.32
108-20-3	Diisopropyl ether	0.50	U	10	0.50
91-20-3	Naphthalene	0.45	U	1.0	0.45
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
104-51-8	n-Butylbenzene	0.31	U	1.0	0.31
98-82-8	Isopropylbenzene	0.35	U	1.0	0.35
103-65-1	N-Propylbenzene	0.40	U	1.0	0.40
78-93-3	2-Butanone (MEK)	0.53	U	10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	10	0.99
135-98-8	sec-Butylbenzene	0.48	U	1.0	0.48
1634-04-4	Methyl tert-butyl ether	0.20	U	1.0	0.20
994-05-8	Tert-amyl methyl ether	0.30	U	5.0	0.30
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
95-47-6	o-Xylene	0.25	U	1.0	0.25
100-42-5	Styrene	0.45	U	1.0	0.45
637-92-3	Ethyl t-butyl ether	0.23	U	5.0	0.23
98-06-6	tert-Butylbenzene	0.41	U	1.0	0.41
127-18-4	Tetrachloroethene	0.31	U	1.0	0.31
108-88-3	Toluene	0.23	U	1.0	0.23
156-60-5	trans-1,2-Dichloroethene	0.30	U	1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	0.56	U	1.0	0.56
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-69-4	Trichlorofluoromethane	0.49	U	1.0	0.49
108-05-4	Vinyl acetate	0.41	U	2.0	0.41
75-01-4	Vinyl chloride	0.29	U	1.0	0.29
75-65-0	tert-Butyl alcohol (TBA)	4.9	U	50	4.9
1330-20-7	Xylenes, Total	0.52	U	2.0	0.52

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-175730/6

Matrix: Water Lab File ID: UXM7085.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/09/2015 12:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 175730 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.43	U	1.0	0.43

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		63-129
460-00-4	4-Bromofluorobenzene (Surr)	98		66-120
2037-26-5	Toluene-d8 (Surr)	96		74-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-121

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-175730/4

Matrix: Water Lab File ID: UXM7083.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/09/2015 11:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 175730 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	10.1		1.0	0.28
71-55-6	1,1,1-Trichloroethane	10.4		1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	9.71		1.0	0.22
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11.0		1.0	0.45
75-34-3	1,1-Dichloroethane	10.5		1.0	0.30
75-35-4	1,1-Dichloroethene	10.7		1.0	0.45
563-58-6	1,1-Dichloropropene	10.8		1.0	0.42
87-61-6	1,2,3-Trichlorobenzene	9.59		1.0	0.37
96-18-4	1,2,3-Trichloropropane	10.2		1.0	0.44
120-82-1	1,2,4-Trichlorobenzene	9.73		1.0	0.32
95-63-6	1,2,4-Trimethylbenzene	9.75		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	10.2		2.0	0.82
95-50-1	1,2-Dichlorobenzene	9.77		1.0	0.25
107-06-2	1,2-Dichloroethane	10.4		1.0	0.23
78-87-5	1,2-Dichloropropane	10.1		1.0	0.25
541-73-1	1,3-Dichlorobenzene	9.82		1.0	0.19
142-28-9	1,3-Dichloropropane	9.62		1.0	0.19
106-46-7	1,4-Dichlorobenzene	9.90		1.0	0.27
594-20-7	2,2-Dichloropropane	10.2		1.0	0.26
110-75-8	2-Chloroethyl vinyl ether	12.4		10	0.59
95-49-8	2-Chlorotoluene	10.1		1.0	0.40
591-78-6	2-Hexanone	19.2		10	0.48
108-86-1	Bromobenzene	10.1		1.0	0.35
74-97-5	Bromochloromethane	9.90		1.0	0.50
106-43-4	4-Chlorotoluene	9.62		1.0	0.29
99-87-6	p-Isopropyltoluene	9.88		1.0	0.43
67-64-1	Acetone	17.4		10	0.94
71-43-2	Benzene	10.1		1.0	0.35
75-25-2	Bromoform	9.74		1.0	0.56
74-83-9	Bromomethane	8.58		1.0	0.44
75-15-0	Carbon disulfide	10.9		1.0	0.38
56-23-5	Carbon tetrachloride	10.8		1.0	0.43
108-90-7	Chlorobenzene	9.79		1.0	0.25
75-00-3	Chloroethane	8.70		1.0	0.32
67-66-3	Chloroform	10.1		1.0	0.25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-175730/4

Matrix: Water | Lab File ID: UXM7083.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/09/2015 11:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 175730 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	8.18		1.0	0.44
156-59-2	cis-1,2-Dichloroethene	10.1		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	10.5		1.0	0.46
87-68-3	Hexachlorobutadiene	9.48		1.0	0.35
74-95-3	Dibromomethane	10.2		1.0	0.42
75-27-4	Bromodichloromethane	9.81		1.0	0.29
75-71-8	Dichlorodifluoromethane	7.10		1.0	0.32
100-41-4	Ethylbenzene	10.1		1.0	0.25
106-93-4	1,2-Dibromoethane	10.0		1.0	0.32
91-20-3	Naphthalene	9.44		1.0	0.45
179601-23-1	m-Xylene & p-Xylene	9.83		2.0	0.24
104-51-8	n-Butylbenzene	9.90		1.0	0.31
98-82-8	Isopropylbenzene	9.91		1.0	0.35
103-65-1	N-Propylbenzene	10.3		1.0	0.40
78-93-3	2-Butanone (MEK)	19.9		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	20.1		10	0.99
135-98-8	sec-Butylbenzene	9.99		1.0	0.48
1634-04-4	Methyl tert-butyl ether	10.3		1.0	0.20
75-09-2	Methylene Chloride	10.5		1.0	0.33
95-47-6	o-Xylene	10.1		1.0	0.25
100-42-5	Styrene	9.36		1.0	0.45
98-06-6	tert-Butylbenzene	10.1		1.0	0.41
127-18-4	Tetrachloroethene	10.1		1.0	0.31
108-88-3	Toluene	10.0		1.0	0.23
156-60-5	trans-1,2-Dichloroethene	10.6		1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	10.8		1.0	0.56
79-01-6	Trichloroethene	10.4		1.0	0.22
75-69-4	Trichlorofluoromethane	10.0		1.0	0.49
108-05-4	Vinyl acetate	7.85		2.0	0.41
75-01-4	Vinyl chloride	8.68		1.0	0.29
75-65-0	tert-Butyl alcohol (TBA)	95.3		50	4.9
1330-20-7	Xylenes, Total	19.9		2.0	0.52
124-48-1	Dibromochloromethane	10.0		1.0	0.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-175730/4

Matrix: Water Lab File ID: UXM7083.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/09/2015 11:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 175730 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		63-129
460-00-4	4-Bromofluorobenzene (Surr)	98		66-120
2037-26-5	Toluene-d8 (Surr)	96		74-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-121

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: 240-49022-A-1 MS

Matrix: Water | Lab File ID: UXM7106.D

Analysis Method: 8260B | Date Collected: 04/06/2015 12:30

Sample wt/vol: 5(mL) | Date Analyzed: 04/09/2015 20:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 175730 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	9.52		1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	9.34		1.0	0.22
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	9.50		1.0	0.45
75-34-3	1,1-Dichloroethane	9.95		1.0	0.30
75-35-4	1,1-Dichloroethene	9.80		1.0	0.45
120-82-1	1,2,4-Trichlorobenzene	7.42		1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	9.35		2.0	0.82
95-50-1	1,2-Dichlorobenzene	8.31		1.0	0.25
107-06-2	1,2-Dichloroethane	9.78		1.0	0.23
78-87-5	1,2-Dichloropropane	9.42		1.0	0.25
541-73-1	1,3-Dichlorobenzene	7.90		1.0	0.19
106-46-7	1,4-Dichlorobenzene	7.99		1.0	0.27
591-78-6	2-Hexanone	18.8		10	0.48
67-64-1	Acetone	16.6		10	0.94
71-43-2	Benzene	9.51		1.0	0.35
75-25-2	Bromoform	8.57		1.0	0.56
74-83-9	Bromomethane	8.15		1.0	0.44
75-15-0	Carbon disulfide	9.72		1.0	0.38
56-23-5	Carbon tetrachloride	9.81		1.0	0.43
108-90-7	Chlorobenzene	8.56		1.0	0.25
75-00-3	Chloroethane	8.31		1.0	0.32
67-66-3	Chloroform	9.50		1.0	0.25
74-87-3	Chloromethane	8.01		1.0	0.44
156-59-2	cis-1,2-Dichloroethene	9.51		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	9.20		1.0	0.46
75-27-4	Bromodichloromethane	9.04		1.0	0.29
75-71-8	Dichlorodifluoromethane	6.26		1.0	0.32
100-41-4	Ethylbenzene	8.69		1.0	0.25
106-93-4	1,2-Dibromoethane	9.49		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	8.48		2.0	0.24
98-82-8	Isopropylbenzene	8.31		1.0	0.35
78-93-3	2-Butanone (MEK)	18.6		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	20.6		10	0.99
1634-04-4	Methyl tert-butyl ether	10.1		1.0	0.20
75-09-2	Methylene Chloride	9.26		1.0	0.33

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: 240-49022-A-1 MS

Matrix: Water | Lab File ID: UXM7106.D

Analysis Method: 8260B | Date Collected: 04/06/2015 12:30

Sample wt/vol: 5(mL) | Date Analyzed: 04/09/2015 20:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 175730 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-47-6	o-Xylene	8.84		1.0	0.25
100-42-5	Styrene	7.49		1.0	0.45
127-18-4	Tetrachloroethene	8.67		1.0	0.31
108-88-3	Toluene	9.03		1.0	0.23
156-60-5	trans-1,2-Dichloroethene	9.38		1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	9.63		1.0	0.56
79-01-6	Trichloroethene	9.24		1.0	0.22
75-69-4	Trichlorofluoromethane	8.96		1.0	0.49
75-01-4	Vinyl chloride	8.04		1.0	0.29
1330-20-7	Xylenes, Total	17.3		2.0	0.52
124-48-1	Dibromochloromethane	9.03		1.0	0.43

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		63-129
460-00-4	4-Bromofluorobenzene (Surr)	99		66-120
2037-26-5	Toluene-d8 (Surr)	95		74-120
1868-53-7	Dibromofluoromethane (Surr)	92		75-121

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: 240-49022-D-1 MSD

Matrix: Water | Lab File ID: UXM7107.D

Analysis Method: 8260B | Date Collected: 04/06/2015 12:30

Sample wt/vol: 5(mL) | Date Analyzed: 04/09/2015 20:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 175730 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	9.46		1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	9.21		1.0	0.22
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10.3		1.0	0.45
75-34-3	1,1-Dichloroethane	10.0		1.0	0.30
75-35-4	1,1-Dichloroethene	9.82		1.0	0.45
120-82-1	1,2,4-Trichlorobenzene	8.11		1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	9.10		2.0	0.82
95-50-1	1,2-Dichlorobenzene	8.43		1.0	0.25
107-06-2	1,2-Dichloroethane	9.68		1.0	0.23
78-87-5	1,2-Dichloropropane	9.38		1.0	0.25
541-73-1	1,3-Dichlorobenzene	8.32		1.0	0.19
106-46-7	1,4-Dichlorobenzene	8.34		1.0	0.27
591-78-6	2-Hexanone	19.9		10	0.48
67-64-1	Acetone	17.0		10	0.94
71-43-2	Benzene	9.43		1.0	0.35
75-25-2	Bromoform	8.66		1.0	0.56
74-83-9	Bromomethane	9.27		1.0	0.44
75-15-0	Carbon disulfide	10.1		1.0	0.38
56-23-5	Carbon tetrachloride	10.1		1.0	0.43
108-90-7	Chlorobenzene	8.68		1.0	0.25
75-00-3	Chloroethane	8.58		1.0	0.32
67-66-3	Chloroform	9.36		1.0	0.25
74-87-3	Chloromethane	8.20		1.0	0.44
156-59-2	cis-1,2-Dichloroethene	9.63		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	9.25		1.0	0.46
75-27-4	Bromodichloromethane	9.20		1.0	0.29
75-71-8	Dichlorodifluoromethane	6.65		1.0	0.32
100-41-4	Ethylbenzene	8.98		1.0	0.25
106-93-4	1,2-Dibromoethane	9.57		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	8.80		2.0	0.24
98-82-8	Isopropylbenzene	8.78		1.0	0.35
78-93-3	2-Butanone (MEK)	18.7		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	20.3		10	0.99
1634-04-4	Methyl tert-butyl ether	9.86		1.0	0.20
75-09-2	Methylene Chloride	9.21		1.0	0.33

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: 240-49022-D-1 MSD

Matrix: Water | Lab File ID: UXM7107.D

Analysis Method: 8260B | Date Collected: 04/06/2015 12:30

Sample wt/vol: 5(mL) | Date Analyzed: 04/09/2015 20:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 175730 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-47-6	o-Xylene	9.13		1.0	0.25
100-42-5	Styrene	7.62		1.0	0.45
127-18-4	Tetrachloroethene	8.92		1.0	0.31
108-88-3	Toluene	9.17		1.0	0.23
156-60-5	trans-1,2-Dichloroethene	9.71		1.0	0.30
10061-02-6	trans-1,3-Dichloropropene	9.77		1.0	0.56
79-01-6	Trichloroethene	9.44		1.0	0.22
75-69-4	Trichlorofluoromethane	9.75		1.0	0.49
75-01-4	Vinyl chloride	7.97		1.0	0.29
1330-20-7	Xylenes, Total	17.9		2.0	0.52
124-48-1	Dibromochloromethane	8.96		1.0	0.43

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		63-129
460-00-4	4-Bromofluorobenzene (Surr)	101		66-120
2037-26-5	Toluene-d8 (Surr)	97		74-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-121

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A3UX16 Start Date: 04/08/2015 12:22

Analysis Batch Number: 175603 End Date: 04/08/2015 17:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-175603/1		04/08/2015 12:22	1	BFB4271.D	DB-624 0.18(mm)
STD8260 240-175603/2 IC		04/08/2015 12:59	1	UXM7066.D	DB-624 0.18(mm)
STD8260 240-175603/3 IC		04/08/2015 13:22	1	UXM7067.D	DB-624 0.18(mm)
STD8260 240-175603/4 ICIS		04/08/2015 13:44	1	UXM7068.D	DB-624 0.18(mm)
STD8260 240-175603/5 IC		04/08/2015 14:07	1	UXM7069.D	DB-624 0.18(mm)
STD8260 240-175603/6 IC		04/08/2015 14:30	1	UXM7070.D	DB-624 0.18(mm)
STD8260 240-175603/7 IC		04/08/2015 14:53	1	UXM7071.D	DB-624 0.18(mm)
ICV 240-175603/8		04/08/2015 15:15	1	UXM7072.D	DB-624 0.18(mm)
STDA9 240-175603/9 IC		04/08/2015 15:38	1	UXM7073.D	DB-624 0.18(mm)
STDA9 240-175603/10 IC		04/08/2015 16:01	1	UXM7074.D	DB-624 0.18(mm)
STDA9 240-175603/11 IC		04/08/2015 16:24	1	UXM7075.D	DB-624 0.18(mm)
STDA9 240-175603/12 IC		04/08/2015 16:46	1	UXM7076.D	DB-624 0.18(mm)
STDA9 240-175603/13 IC		04/08/2015 17:09	1	UXM7077.D	DB-624 0.18(mm)
STDA9 240-175603/14 IC		04/08/2015 17:32	1	UXM7078.D	DB-624 0.18(mm)
ICV 240-175603/15		04/08/2015 17:55	1	UXM7079.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A3UX16 Start Date: 04/09/2015 09:53

Analysis Batch Number: 175730 End Date: 04/09/2015 21:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-175730/1		04/09/2015 09:53	1	BFB4272.D	DB-624 0.18(mm)
CCVIS 240-175730/2		04/09/2015 10:35	1	UXM7081.D	DB-624 0.18(mm)
CCV 240-175730/3		04/09/2015 10:57	1	UXM7082.D	DB-624 0.18(mm)
LCS 240-175730/4		04/09/2015 11:20	1	UXM7083.D	DB-624 0.18(mm)
ZZZZZ		04/09/2015 11:43	1		DB-624 0.18(mm)
MB 240-175730/6		04/09/2015 12:06	1	UXM7085.D	DB-624 0.18(mm)
ZZZZZ		04/09/2015 16:17	1		DB-624 0.18(mm)
ZZZZZ		04/09/2015 16:40	1		DB-624 0.18(mm)
ZZZZZ		04/09/2015 17:02	1		DB-624 0.18(mm)
ZZZZZ		04/09/2015 17:25	1		DB-624 0.18(mm)
ZZZZZ		04/09/2015 17:48	1		DB-624 0.18(mm)
ZZZZZ		04/09/2015 18:11	1		DB-624 0.18(mm)
240-49010-2	TB-040615	04/09/2015 18:34	1	UXM7102.D	DB-624 0.18(mm)
ZZZZZ		04/09/2015 18:57	1		DB-624 0.18(mm)
ZZZZZ		04/09/2015 19:19	1		DB-624 0.18(mm)
ZZZZZ		04/09/2015 19:42	1		DB-624 0.18(mm)
240-49022-A-1 MS		04/09/2015 20:05	1	UXM7106.D	DB-624 0.18(mm)
240-49022-D-1 MSD		04/09/2015 20:28	1	UXM7107.D	DB-624 0.18(mm)
ZZZZZ		04/09/2015 20:51	1		DB-624 0.18(mm)
ZZZZZ		04/09/2015 21:13	1		DB-624 0.18(mm)

Method 8260C

Volatile Organic Compounds (GC/MS) by Method 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
FILL-001	240-49010-1	89	82	98	88
	MB 240-175483/8	94	91	98	90
	LCS 240-175483/6	97	90	100	97
FILL-001 MS	240-49010-1 MS	97	88	106	98
FILL-001 MSD	240-49010-1 MSD	93	86	98	91

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	37-132
DCA = 1,2-Dichloroethane-d4 (Surr)	58-123
TOL = Toluene-d8 (Surr)	67-125
BFB = 4-Bromofluorobenzene (Surr)	52-136

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX86842.D

Lab ID: LCS 240-175483/6 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	50.0	51.1	102	80-120	
1,1,1-Trichloroethane	50.0	47.9	96	77-126	
1,1,2,2-Tetrachloroethane	50.0	53.4	107	77-123	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.0	96	80-138	
1,1-Dichloroethane	50.0	47.0	94	76-120	
1,1-Dichloroethene	50.0	46.9	94	75-135	
1,1-Dichloropropene	50.0	52.6	105	80-120	
1,2,3-Trichlorobenzene	50.0	43.9	88	61-121	
1,2,3-Trichloropropane	50.0	55.7	111	80-126	
1,2,4-Trichlorobenzene	50.0	47.3	95	64-124	
1,2,4-Trimethylbenzene	50.0	50.9	102	80-129	
1,2-Dibromo-3-Chloropropane	50.0	58.8	118	61-132	
1,2-Dichlorobenzene	50.0	47.5	95	76-120	
1,2-Dichloroethane	50.0	44.7	89	72-120	
1,2-Dichloropropane	50.0	47.8	96	80-120	
1,3-Dichlorobenzene	50.0	48.1	96	78-120	
1,3-Dichloropropane	50.0	49.9	100	80-120	
1,4-Dichlorobenzene	50.0	46.4	93	75-120	
2,2-Dichloropropane	50.0	44.0	88	69-135	
2-Chloroethyl vinyl ether	60.0	79.2	132	28-173	
2-Chlorotoluene	50.0	51.1	102	78-120	
2-Hexanone	100	114	114	64-136	
Bromobenzene	50.0	50.3	101	80-120	
Bromochloromethane	50.0	48.7	97	79-120	
4-Chlorotoluene	50.0	50.8	102	79-120	
p-Isopropyltoluene	50.0	51.8	104	77-131	
Acetone	100	104	104	41-137	
Benzene	50.0	47.9	96	79-120	
Bromoform	50.0	49.5	99	62-133	
Bromomethane	50.0	50.1	100	42-136	
Carbon disulfide	50.0	51.2	102	62-146	
Carbon tetrachloride	50.0	49.9	100	71-129	
Chlorobenzene	50.0	47.4	95	78-120	
Chloroethane	50.0	48.0	96	58-120	
Chloroform	50.0	46.3	93	77-120	
Chloromethane	50.0	37.9	76	50-120	
cis-1,2-Dichloroethene	50.0	50.0	100	76-120	
cis-1,3-Dichloropropene	50.0	54.0	108	74-128	
Hexachlorobutadiene	50.0	45.0	90	54-131	
Dibromomethane	50.0	49.6	99	80-120	
Bromodichloromethane	50.0	51.3	103	80-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX86842.D

Lab ID: LCS 240-175483/6 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	50.0	31.9	64	26-120	
Ethylbenzene	50.0	49.2	98	79-120	
1,2-Dibromoethane	50.0	53.3	107	80-120	
Naphthalene	50.0	52.1	104	65-123	
m-Xylene & p-Xylene	50.0	50.8	102	80-120	
n-Butylbenzene	50.0	51.8	104	68-135	
Isopropylbenzene	50.0	52.6	105	76-122	
N-Propylbenzene	50.0	54.6	109	80-129	
2-Butanone (MEK)	100	101	101	52-131	
4-Methyl-2-pentanone (MIBK)	100	114	114	67-135	
sec-Butylbenzene	50.0	52.5	105	74-129	
Methyl tert-butyl ether	50.0	49.5	99	49-165	
Methylene Chloride	50.0	50.2	100	75-120	
o-Xylene	50.0	51.6	103	80-120	
Styrene	50.0	51.2	102	80-120	
tert-Butylbenzene	50.0	58.2	116	76-126	
Tetrachloroethene	50.0	47.1	94	79-120	
Toluene	50.0	47.8	96	75-120	
trans-1,2-Dichloroethene	50.0	50.5	101	78-120	
trans-1,3-Dichloropropene	50.0	56.2	112	73-131	
Trichloroethene	50.0	49.9	100	79-120	
Trichlorofluoromethane	50.0	46.8	94	57-146	
Vinyl acetate	50.0	36.8	74	70-130	
Vinyl chloride	50.0	41.4	83	57-120	
tert-Butyl alcohol (TBA)	500	571	114	60-125	
Xylenes, Total	100	102	102	80-120	
Dibromochloromethane	50.0	53.7	107	72-127	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX86866.D

Lab ID: 240-49010-1 MS Client ID: FILL-001 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	26.6	0.65 U	24.9	94	34-135	
1,1,1-Trichloroethane	26.6	0.59 U	22.7	85	51-128	
1,1,2,2-Tetrachloroethane	26.6	0.36 U	24.5	92	16-179	
1,1,2-Trichloro-1,2,2-trifluoroethane	26.6	1.4 U	22.5	85	50-147	
1,1-Dichloroethane	26.6	0.38 U	23.7	89	54-122	
1,1-Dichloroethene	26.6	0.55 U	23.2	87	49-157	
1,1-Dichloropropene	26.6	0.32 U	24.6	92	50-122	
1,2,3-Trichlorobenzene	26.6	0.40 U	16.8	63	10-120	
1,2,3-Trichloropropane	26.6	0.95 U	25.4	95	32-174	
1,2,4-Trichlorobenzene	26.6	0.28 U	18.6	70	10-120	
1,2,4-Trimethylbenzene	26.6	0.68 U	23.0	86	10-173	
1,2-Dibromo-3-Chloropropane	26.6	1.4 U	23.6	89	10-153	
1,2-Dichlorobenzene	26.6	0.38 U	22.0	83	17-122	
1,2-Dichloroethane	26.6	0.36 U	21.6	81	49-123	
1,2-Dichloropropane	26.6	0.72 U	23.4	88	61-120	
1,3-Dichlorobenzene	26.6	0.37 U	21.7	82	16-126	
1,3-Dichloropropane	26.6	0.36 U	24.3	91	54-128	
1,4-Dichlorobenzene	26.6	0.69 U	21.0	79	15-121	
2,2-Dichloropropane	26.6	0.99 U	21.4	81	49-132	
2-Chloroethyl vinyl ether	31.9	1.5 U	44.8 J	140	10-162	
2-Chlorotoluene	26.6	0.42 U	24.6	93	11-162	
2-Hexanone	53.1	0.66 U	44.9	84	37-147	
Bromobenzene	26.6	0.35 U	24.7	93	24-144	
Bromochloromethane	26.6	0.75 U	24.0	90	53-120	
4-Chlorotoluene	26.6	0.43 U	23.7	89	15-149	
p-Isopropyltoluene	26.6	0.22 U	22.2	84	10-165	
Acetone	53.1	6.6 U	37.8	71	24-140	
Benzene	26.6	0.24 U	23.6	89	53-120	
Bromoform	26.6	0.35 U	20.4	77	18-129	
Bromomethane	26.6	0.57 U	24.6	93	33-130	
Carbon disulfide	26.6	0.46 U	23.4	88	20-151	
Carbon tetrachloride	26.6	0.39 U	22.3	84	32-137	
Chlorobenzene	26.6	0.35 U	23.7	89	37-120	
Chloroethane	26.6	0.90 U	23.3	88	45-120	
Chloroform	26.6	0.30 U	23.5	88	53-120	
Chloromethane	26.6	0.43 U	19.4	73	34-120	
cis-1,2-Dichloroethene	26.6	0.38 U	25.1	95	50-120	
cis-1,3-Dichloropropene	26.6	0.36 U	24.5	92	27-133	
Hexachlorobutadiene	26.6	1.3 U	17.1	64	10-131	
Dibromomethane	26.6	0.66 U	24.5	92	52-123	
Bromodichloromethane	26.6	0.29 U	23.7	89	35-132	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX86866.D

Lab ID: 240-49010-1 MS Client ID: FILL-001 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	26.6	0.53 U	14.7	55	17-120	
Ethylbenzene	26.6	0.27 U	23.6	89	30-131	
1,2-Dibromoethane	26.6	0.53 U	25.8	97	45-127	
Naphthalene	26.6	0.20 U	20.8	78	10-124	
m-Xylene & p-Xylene	26.6	1.3 U	23.9	90	29-131	
n-Butylbenzene	26.6	0.24 U	20.9	79	10-148	
Isopropylbenzene	26.6	0.17 U	24.6	93	21-134	
N-Propylbenzene	26.6	0.42 U	24.7	93	10-178	
2-Butanone (MEK)	53.1	1.5 U	44.2	83	30-143	
4-Methyl-2-pentanone (MIBK)	53.1	0.57 U	47.2	89	43-147	
sec-Butylbenzene	26.6	0.19 U	23.6	89	10-172	
Methyl tert-butyl ether	26.6	0.45 U	24.0	90	51-157	
Methylene Chloride	26.6	0.70 U	26.4	99	54-120	
o-Xylene	26.6	0.37 U	25.7	97	29-134	
Styrene	26.6	0.16 U	24.0	90	27-127	
tert-Butylbenzene	26.6	0.30 U	27.5	104	10-163	
Tetrachloroethene	26.6	0.55 U	22.9	86	31-135	
Toluene	26.6	0.28 U	24.2	91	39-129	
trans-1,2-Dichloroethene	26.6	0.43 U	24.4	92	50-123	
trans-1,3-Dichloropropene	26.6	0.57 U	24.4	92	28-137	
Trichloroethene	26.6	0.44 U	24.0	90	10-177	
Trichlorofluoromethane	26.6	0.36 U	22.4	84	36-142	
Vinyl acetate	26.6	0.26 U	0.970 J	4	70-130	F1
Vinyl chloride	26.6	0.41 U	20.6	77	42-120	
tert-Butyl alcohol (TBA)	266	8.0 U	228	86	60-125	
Xylenes, Total	53.1	0.37 U	49.6	93	30-131	
Dibromochloromethane	26.6	0.58 U	24.9	94	29-135	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX86867.D

Lab ID: 240-49010-1 MSD Client ID: FILL-001 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	25.9	22.1	85	12	30	34-135	
1,1,1-Trichloroethane	25.9	20.8	80	9	30	51-128	
1,1,2,2-Tetrachloroethane	25.9	22.1	85	10	30	16-179	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.9	20.8	80	8	30	50-147	
1,1-Dichloroethane	25.9	21.3	82	10	30	54-122	
1,1-Dichloroethene	25.9	21.2	82	9	30	49-157	
1,1-Dichloropropene	25.9	22.5	87	9	30	50-122	
1,2,3-Trichlorobenzene	25.9	14.2	55	16	30	10-120	
1,2,3-Trichloropropane	25.9	23.7	91	7	30	32-174	
1,2,4-Trichlorobenzene	25.9	15.6	60	18	30	10-120	
1,2,4-Trimethylbenzene	25.9	19.4	75	17	30	10-173	
1,2-Dibromo-3-Chloropropane	25.9	21.5	83	9	30	10-153	
1,2-Dichlorobenzene	25.9	19.0	73	15	30	17-122	
1,2-Dichloroethane	25.9	20.1	78	7	30	49-123	
1,2-Dichloropropane	25.9	21.2	82	10	30	61-120	
1,3-Dichlorobenzene	25.9	19.1	74	13	30	16-126	
1,3-Dichloropropane	25.9	22.4	86	8	30	54-128	
1,4-Dichlorobenzene	25.9	18.3	70	14	30	15-121	
2,2-Dichloropropane	25.9	17.9	69	18	30	49-132	
2-Chloroethyl vinyl ether	31.1	41.8 J	135	7	30	10-162	
2-Chlorotoluene	25.9	21.4	83	14	30	11-162	
2-Hexanone	51.8	43.3	83	4	30	37-147	
Bromobenzene	25.9	21.0	81	16	30	24-144	
Bromochloromethane	25.9	22.4	86	7	30	53-120	
4-Chlorotoluene	25.9	20.9	81	12	30	15-149	
p-Isopropyltoluene	25.9	18.7	72	17	30	10-165	
Acetone	51.8	39.3	76	4	30	24-140	
Benzene	25.9	21.4	83	9	30	53-120	
Bromoform	25.9	18.3	70	11	30	18-129	
Bromomethane	25.9	20.3	78	19	30	33-130	
Carbon disulfide	25.9	21.5	83	8	30	20-151	
Carbon tetrachloride	25.9	20.8	80	7	30	32-137	
Chlorobenzene	25.9	21.1	82	11	30	37-120	
Chloroethane	25.9	19.4	75	18	30	45-120	
Chloroform	25.9	20.9	80	12	30	53-120	
Chloromethane	25.9	16.7	64	15	30	34-120	
cis-1,2-Dichloroethene	25.9	22.3	86	12	30	50-120	
cis-1,3-Dichloropropene	25.9	21.9	85	11	30	27-133	
Hexachlorobutadiene	25.9	13.2	51	26	30	10-131	
Dibromomethane	25.9	21.8	84	12	30	52-123	
Bromodichloromethane	25.9	21.9	85	8	30	35-132	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX86867.D

Lab ID: 240-49010-1 MSD Client ID: FILL-001 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dichlorodifluoromethane	25.9	12.8	49	14	30	17-120	
Ethylbenzene	25.9	20.9	81	12	30	30-131	
1,2-Dibromoethane	25.9	23.6	91	9	30	45-127	
Naphthalene	25.9	18.8	73	10	30	10-124	
m-Xylene & p-Xylene	25.9	21.3	82	11	30	29-131	
n-Butylbenzene	25.9	16.8	65	22	30	10-148	
Isopropylbenzene	25.9	21.4	83	14	30	21-134	
N-Propylbenzene	25.9	21.4	82	14	30	10-178	
2-Butanone (MEK)	51.8	42.7	82	4	30	30-143	
4-Methyl-2-pentanone (MIBK)	51.8	45.8	88	3	30	43-147	
sec-Butylbenzene	25.9	19.6	76	18	30	10-172	
Methyl tert-butyl ether	25.9	21.8	84	10	30	51-157	
Methylene Chloride	25.9	23.0	89	14	30	54-120	
o-Xylene	25.9	21.7	84	17	30	29-134	
Styrene	25.9	20.8	80	14	30	27-127	
tert-Butylbenzene	25.9	21.1	82	26	30	10-163	
Tetrachloroethene	25.9	19.6	76	15	30	31-135	
Toluene	25.9	21.4	83	12	30	39-129	
trans-1,2-Dichloroethene	25.9	22.4	87	8	30	50-123	
trans-1,3-Dichloropropene	25.9	21.9	85	11	30	28-137	
Trichloroethene	25.9	21.9	85	9	30	10-177	
Trichlorofluoromethane	25.9	19.6	76	13	30	36-142	
Vinyl acetate	25.9	0.300 J	1	106	30	70-130	F1 F2
Vinyl chloride	25.9	18.3	71	12	30	42-120	
tert-Butyl alcohol (TBA)	259	233	90	2	30	60-125	
Xylenes, Total	51.8	43.0	83	14	30	30-131	
Dibromochloromethane	25.9	21.2	82	16	30	29-135	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab File ID: UX86844.D Lab Sample ID: MB 240-175483/8

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX8 Date Analyzed: 04/08/2015 03:14

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-175483/6	UX86842.D	04/08/2015 02:31
FILL-001	240-49010-1	UX86865.D	04/08/2015 11:06
FILL-001 MS	240-49010-1 MS	UX86866.D	04/08/2015 11:27
FILL-001 MSD	240-49010-1 MSD	UX86867.D	04/08/2015 11:48

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab File ID: BFB8726.D BFB Injection Date: 01/20/2015

Instrument ID: A3UX8 BFB Injection Time: 02:25

Analysis Batch No.: 164619

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.4	
75	30.0 - 60.0 % of mass 95	48.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	83.8	
175	5.0 - 9.0 % of mass 174	6.2	(7.4)1
176	95.0 - 101.0 % of mass 174	81.5	(97.3)1
177	5.0 - 9.0 % of mass 176	5.3	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STDA9 240-164619/5	UX85491.D	01/20/2015	03:27
	STDA9 240-164619/6	UX85492.D	01/20/2015	04:21
	STDA9 240-164619/7	UX85493.D	01/20/2015	04:49
	STDA9 240-164619/8	UX85494.D	01/20/2015	05:10
	STDA9 240-164619/9	UX85495.D	01/20/2015	05:32
	STDA9 240-164619/10	UX85496.D	01/20/2015	05:53

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab File ID: BFB8752.D BFB Injection Date: 03/02/2015

Instrument ID: A3UX8 BFB Injection Time: 23:39

Analysis Batch No.: 170352

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.3	
75	30.0 - 60.0 % of mass 95	46.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.3	(0.3)1
174	50.0 - 120.00 % of mass 95	86.6	
175	5.0 - 9.0 % of mass 174	6.1	(7.0)1
176	95.0 - 101.0 % of mass 174	83.8	(96.8)1
177	5.0 - 9.0 % of mass 176	5.6	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-170352/3	UX86154.D	03/03/2015	00:12
	STD8260 240-170352/4	UX86155.D	03/03/2015	00:34
	STD8260 240-170352/5	UX86156.D	03/03/2015	00:55
	ICIS 240-170352/6	UX86157.D	03/03/2015	01:34
	STD8260 240-170352/7	UX86158.D	03/03/2015	01:56
	STD8260 240-170352/8	UX86159.D	03/03/2015	02:17
	STD8260 240-170352/9	UX86160.D	03/03/2015	02:38
	STD8260 240-170352/10	UX86161.D	03/03/2015	03:00
	ICV 240-170352/11	UX86162.D	03/03/2015	03:21

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab File ID: BFB8781.D BFB Injection Date: 04/08/2015

Instrument ID: A3UX8 BFB Injection Time: 01:17

Analysis Batch No.: 175483

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.6	
75	30.0 - 60.0 % of mass 95	42.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.6	(0.7)1
174	50.0 - 120.00 % of mass 95	87.4	
175	5.0 - 9.0 % of mass 174	6.5	(7.5)1
176	95.0 - 101.0 % of mass 174	86.4	(98.9)1
177	5.0 - 9.0 % of mass 176	5.9	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-175483/4	UX86840.D	04/08/2015	01:48
	CCV 240-175483/5	UX86841.D	04/08/2015	02:10
	LCS 240-175483/6	UX86842.D	04/08/2015	02:31
	MB 240-175483/8	UX86844.D	04/08/2015	03:14
FILL-001	240-49010-1	UX86865.D	04/08/2015	11:06
FILL-001 MS	240-49010-1 MS	UX86866.D	04/08/2015	11:27
FILL-001 MSD	240-49010-1 MSD	UX86867.D	04/08/2015	11:48

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Sample No.: ICIS 240-170352/6 Date Analyzed: 03/03/2015 01:34

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX86157.D Heated Purge: (Y/N) Y

Calibration ID: 27146

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1259665	5.16	916655	7.69	494963	9.88
UPPER LIMIT		2519330	5.66	1833310	8.19	989926	10.38
LOWER LIMIT		629833	4.66	458328	7.19	247482	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-170352/11		1272907	5.16	926219	7.69	502598	9.88
CCVIS 240-175483/4		1394117	5.16	1014357	7.68	515237	9.88

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Sample No.: CCVIS 240-175483/4 Date Analyzed: 04/08/2015 01:48

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX86840.D Heated Purge: (Y/N) Y

Calibration ID: 27146

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1394117	5.16	1014357	7.68	515237	9.88
UPPER LIMIT		2788234	5.66	2028714	8.18	1030474	10.38
LOWER LIMIT		697059	4.66	507179	7.18	257619	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-175483/5		1320869	5.16	999503	7.69	501009	9.88
LCS 240-175483/6		1292574	5.16	984859	7.69	512963	9.88
MB 240-175483/8		1203955	5.16	908134	7.68	465584	9.88
240-49010-1	FILL-001	1298003	5.16	961950	7.68	486415	9.88
240-49010-1 MS	FILL-001 MS	1319810	5.16	966647	7.69	497060	9.88
240-49010-1 MSD	FILL-001 MSD	1273194	5.16	947007	7.69	492979	9.88

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 | Lab Sample ID: 240-49010-1

Matrix: Solid | Lab File ID: UX86865.D

Analysis Method: 8260C | Date Collected: 04/06/2015 15:00

Sample wt/vol: 5.14(g) | Date Analyzed: 04/08/2015 11:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 7.4 | Level: (low/med) Low

Analysis Batch No.: 175483 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.65	U	5.3	0.65
71-55-6	1,1,1-Trichloroethane	0.59	U	5.3	0.59
79-34-5	1,1,2,2-Tetrachloroethane	0.36	U	5.3	0.36
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	5.3	1.4
75-34-3	1,1-Dichloroethane	0.38	U	5.3	0.38
75-35-4	1,1-Dichloroethene	0.55	U	5.3	0.55
563-58-6	1,1-Dichloropropene	0.32	U	5.3	0.32
87-61-6	1,2,3-Trichlorobenzene	0.40	U	5.3	0.40
96-18-4	1,2,3-Trichloropropane	0.95	U	5.3	0.95
526-73-8	1,2,3-Trimethylbenzene	0.18	U	5.3	0.18
120-82-1	1,2,4-Trichlorobenzene	0.28	U	5.3	0.28
95-63-6	1,2,4-Trimethylbenzene	0.68	U	5.3	0.68
96-12-8	1,2-Dibromo-3-Chloropropane	1.4	U	11	1.4
95-50-1	1,2-Dichlorobenzene	0.38	U	5.3	0.38
107-06-2	1,2-Dichloroethane	0.36	U	5.3	0.36
78-87-5	1,2-Dichloropropane	0.72	U	5.3	0.72
541-73-1	1,3-Dichlorobenzene	0.37	U	5.3	0.37
142-28-9	1,3-Dichloropropane	0.36	U	5.3	0.36
106-46-7	1,4-Dichlorobenzene	0.69	U	5.3	0.69
594-20-7	2,2-Dichloropropane	0.99	U	5.3	0.99
110-75-8	2-Chloroethyl vinyl ether	1.5	U	53	1.5
95-49-8	2-Chlorotoluene	0.42	U	5.3	0.42
591-78-6	2-Hexanone	0.66	U	21	0.66
108-86-1	Bromobenzene	0.35	U	5.3	0.35
74-97-5	Bromochloromethane	0.75	U	5.3	0.75
106-43-4	4-Chlorotoluene	0.43	U	5.3	0.43
99-87-6	p-Isopropyltoluene	0.22	U	5.3	0.22
67-64-1	Acetone	6.6	U	21	6.6
71-43-2	Benzene	0.24	U	5.3	0.24
75-25-2	Bromoform	0.35	U	5.3	0.35
74-83-9	Bromomethane	0.57	U	5.3	0.57
75-15-0	Carbon disulfide	0.46	U	5.3	0.46
56-23-5	Carbon tetrachloride	0.39	U	5.3	0.39
108-90-7	Chlorobenzene	0.35	U	5.3	0.35
75-00-3	Chloroethane	0.90	U	5.3	0.90

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 | Lab Sample ID: 240-49010-1

Matrix: Solid | Lab File ID: UX86865.D

Analysis Method: 8260C | Date Collected: 04/06/2015 15:00

Sample wt/vol: 5.14(g) | Date Analyzed: 04/08/2015 11:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 7.4 | Level: (low/med) Low

Analysis Batch No.: 175483 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.30	U	5.3	0.30
74-87-3	Chloromethane	0.43	U	5.3	0.43
156-59-2	cis-1,2-Dichloroethene	0.38	U	5.3	0.38
10061-01-5	cis-1,3-Dichloropropene	0.36	U	5.3	0.36
87-68-3	Hexachlorobutadiene	1.3	U	5.3	1.3
74-95-3	Dibromomethane	0.66	U	5.3	0.66
75-27-4	Bromodichloromethane	0.29	U	5.3	0.29
75-71-8	Dichlorodifluoromethane	0.53	U	5.3	0.53
100-41-4	Ethylbenzene	0.27	U	5.3	0.27
106-93-4	1,2-Dibromoethane	0.53	U	5.3	0.53
108-20-3	Diisopropyl ether	1.6	U	11	1.6
91-20-3	Naphthalene	0.20	U	5.3	0.20
179601-23-1	m-Xylene & p-Xylene	1.3	U	11	1.3
104-51-8	n-Butylbenzene	0.24	U	5.3	0.24
98-82-8	Isopropylbenzene	0.17	U	5.3	0.17
103-65-1	N-Propylbenzene	0.42	U	5.3	0.42
78-93-3	2-Butanone (MEK)	1.5	U	21	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	0.57	U	21	0.57
135-98-8	sec-Butylbenzene	0.19	U	5.3	0.19
1634-04-4	Methyl tert-butyl ether	0.45	U	5.3	0.45
994-05-8	Tert-amyl methyl ether	0.39	U	5.3	0.39
75-09-2	Methylene Chloride	0.70	U	5.3	0.70
95-47-6	o-Xylene	0.37	U	5.3	0.37
100-42-5	Styrene	0.16	U	5.3	0.16
637-92-3	Ethyl-t-butyl ether (ETBE)	0.23	U	5.3	0.23
98-06-6	tert-Butylbenzene	0.30	U	5.3	0.30
127-18-4	Tetrachloroethene	0.55	U	5.3	0.55
108-88-3	Toluene	0.28	U	5.3	0.28
156-60-5	trans-1,2-Dichloroethene	0.43	U	5.3	0.43
10061-02-6	trans-1,3-Dichloropropene	0.57	U	5.3	0.57
79-01-6	Trichloroethene	0.44	U	5.3	0.44
75-69-4	Trichlorofluoromethane	0.36	U	5.3	0.36
108-05-4	Vinyl acetate	0.26	U F1 F2	11	0.26
75-01-4	Vinyl chloride	0.41	U	5.3	0.41
75-65-0	tert-Butyl alcohol (TBA)	8.0	U	210	8.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 Lab Sample ID: 240-49010-1

Matrix: Solid Lab File ID: UX86865.D

Analysis Method: 8260C Date Collected: 04/06/2015 15:00

Sample wt/vol: 5.14(g) Date Analyzed: 04/08/2015 11:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 7.4 Level: (low/med) Low

Analysis Batch No.: 175483 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	0.37	U	11	0.37
124-48-1	Dibromochloromethane	0.58	U	5.3	0.58

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		58-123
460-00-4	4-Bromofluorobenzene (Surr)	88		52-136
2037-26-5	Toluene-d8 (Surr)	98		67-125
1868-53-7	Dibromofluoromethane (Surr)	89		37-132

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 164619

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 01/20/2015 03:27 Calibration End Date: 01/20/2015 05:53 Calibration ID: 26299

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-164619/10	UX85496.D
Level 2	STDA9 240-164619/9	UX85495.D
Level 3	STDA9 240-164619/8	UX85494.D
Level 4	STDA9 240-164619/7	UX85493.D
Level 5	STDA9 240-164619/6	UX85492.D
Level 6	STDA9 240-164619/5	UX85491.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	0.0445 0.0382	0.0435	0.0384	0.0498	0.0402	Ave		0.0424				11.0		15.0			
Diisopropyl ether	0.1962 0.1982	0.1983	0.1929	0.1976	0.2006	Ave		0.1973				1.3		15.0			
2-Chloro-1,3-butadiene	0.3347 0.3779	0.3434	0.3276	0.3267	0.3982	Ave		0.3514				8.5		15.0			
Ethyl-t-butyl ether (ETBE)	0.7031 0.7391	0.7020	0.6803	0.7375	0.7299	Ave		0.7153				3.3		15.0			
Ethyl acetate	0.0857 0.0758	0.0860	0.0880	0.0937	0.0833	Ave		0.0854				6.9		15.0			
Propionitrile	0.0465 0.0394	0.0442	0.0430	0.0516	0.0429	Ave		0.0446				9.3		15.0			
Methacrylonitrile	0.1872 0.1719	0.1838	0.1864	0.2056	0.1821	Ave		0.1862				5.9		15.0			
Tert-amyl methyl ether	0.5793 0.6073	0.6098	0.5853	0.6358	0.5992	Ave		0.6028				3.3		15.0			
n-Butanol	0.0104 0.0079	0.0097	0.0093	0.0109	0.0092	Ave		0.0096				11.0		15.0			
Ethyl acrylate	0.2697 0.2685	0.2746	0.3025	0.3165	0.2938	Ave		0.2876				6.9		15.0			
Methyl methacrylate	0.2331 0.2114	0.2160	0.2400	0.2491	0.2283	Ave		0.2297				6.2		15.0			
2-Nitropropane	0.0393 0.0575	0.0397	0.0471	0.0595	0.0591	Lin1	-0.270	0.0590							0.9980		0.9900
1-Chlorohexane	0.3015 0.3452	0.3019	0.3127	0.2801	0.3826	Ave		0.3206				12.0		15.0			
Cyclohexanone	0.0166 0.0118	0.0153	0.0137	0.0157	0.0141	Ave		0.0145				12.0		15.0			
1,2,3-Trimethylbenzene	2.3887 2.3514	2.4070	2.3363	2.2081	2.4505	Ave		2.3570				3.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 164619

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 01/20/2015 03:27 Calibration End Date: 01/20/2015 05:53 Calibration ID: 26299

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trichlorobenzene	1.0897 0.9404	1.0188	0.9529	0.8801	1.0387	Ave		0.9868				7.7		15.0			
2-Methylnaphthalene	1.4411 +++++	1.6564	1.6821	1.6906	1.5173	Ave		1.5975				7.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 164619

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 01/20/2015 03:27 Calibration End Date: 01/20/2015 05:53 Calibration ID: 26299

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-164619/10	UX85496.D
Level 2	STDA9 240-164619/9	UX85495.D
Level 3	STDA9 240-164619/8	UX85494.D
Level 4	STDA9 240-164619/7	UX85493.D
Level 5	STDA9 240-164619/6	UX85492.D
Level 6	STDA9 240-164619/5	UX85491.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetonitrile	FB	Ave	58774 2192485	113045	218282	628675	1157500	50.0 2000	100	200	500	1000
Diisopropyl ether	FB	Ave	25882 1137618	51556	109591	249256	578323	5.00 200	10.0	20.0	50.0	100
2-Chloro-1,3-butadiene	FB	Ave	44159 2169223	89287	186130	412010	1147963	5.00 200	10.0	20.0	50.0	100
Ethyl-t-butyl ether (ETBE)	FB	Ave	92769 4243098	182537	386528	930109	2104258	5.00 200	10.0	20.0	50.0	100
Ethyl acetate	FB	Ave	22603 870817	44719	99997	236306	480365	10.0 400	20.0	40.0	100	200
Propionitrile	FB	Ave	61354 2261333	115036	244581	651222	1236047	50.0 2000	100	200	500	1000
Methacrylonitrile	FB	Ave	247046 9866507	478011	1058808	2593148	5250813	50.0 2000	100	200	500	1000
Tert-amyl methyl ether	FB	Ave	76433 3486226	158569	332516	801841	1727490	5.00 200	10.0	20.0	50.0	100
n-Butanol	FB	Ave	34195 1133332	63302	131707	344469	660771	125 5000	250	500	1250	2500
Ethyl acrylate	FB	Ave	35580 1541429	71416	171874	399212	846936	5.00 200	10.0	20.0	50.0	100
Methyl methacrylate	FB	Ave	61502 2427195	112341	272744	628403	1316510	10.0 400	20.0	40.0	100	200
2-Nitropropane	FB	Lin1	10370 659846	20665	53519	149962	340915	10.0 400	20.0	40.0	100	200
1-Chlorohexane	CBZ	Ave	29209 1447995	57996	134742	265880	805604	5.00 200	10.0	20.0	50.0	100
Cyclohexanone	CBZ	Ave	16055 494045	29360	59067	149319	296624	50.0 2000	100	200	500	1000
1,2,3-Trimethylbenzene	DCB	Ave	123283 5456187	250592	525878	1139830	2843845	5.00 200	10.0	20.0	50.0	100
1,3,5-Trichlorobenzene	DCB	Ave	56241 2182004	106067	214482	454324	1205423	5.00 200	10.0	20.0	50.0	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 164619

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 01/20/2015 03:27 Calibration End Date: 01/20/2015 05:53 Calibration ID: 26299

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Methylnaphthalene	DCB	Ave	148754 +++++	344886	757263	1745361	3521753	10.0 +++++	20.0	40.0	100	200

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 170352

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/03/2015 00:12 Calibration End Date: 03/03/2015 03:00 Calibration ID: 27146

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-170352/10	UX86161.D
Level 2	STD8260 240-170352/9	UX86160.D
Level 3	STD8260 240-170352/8	UX86159.D
Level 4	STD8260 240-170352/7	UX86158.D
Level 5	ICIS 240-170352/6	UX86157.D
Level 6	STD8260 240-170352/5	UX86156.D
Level 7	STD8260 240-170352/4	UX86155.D
Level 8	STD8260 240-170352/3	UX86154.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1564 0.1887	0.1715 0.1985	0.1946 0.1840	0.2066	0.1844	Ave		0.1856			0.1000	8.5		15.0			
Chloromethane	0.2048 0.2108	0.2277 0.2314	0.2332 0.2083	0.2289	0.2224	Ave		0.2209			0.1000	5.1		15.0			
Vinyl chloride	0.1478 0.1529	0.1775 0.1608	0.1676 0.1598	0.1858	0.1579	Ave		0.1638			0.1000	7.7		15.0			
Bromomethane	0.1071 0.0870	0.1172 0.0823	0.1087 0.0632	0.1164	0.1042	Qua	0.0723	0.0985	-0.000178		0.0500				0.9990		0.9900
Chloroethane	0.0677 0.0859	0.1085 0.0784	0.0892 0.0635	0.1049	0.0947	Qua	0.0366	0.0931	-0.000149						1.0000		0.9900
Dichlorofluoromethane	0.2675 0.2181	0.2484 0.2099	0.2416 0.1876	0.2554	0.2243	Ave		0.2316				11.0		15.0			
Trichlorofluoromethane	0.2037 0.2306	0.2326 0.2296	0.2172 0.2186	0.2673	0.2282	Ave		0.2285			0.1000	8.1		15.0			
Ethyl ether	0.1660 0.1384	0.1777 0.1319	0.1977 +++++	0.1719	0.1542	Ave		0.1626				14.0		15.0			
Acrolein	0.0213 0.0206	0.0151 0.0140	0.0232 +++++	0.0183	0.0235	Qua	-0.142	0.0274	-0.000026						0.9980		0.9900
1,1-Dichloroethene	0.2008 0.1872	0.2042 0.1866	0.1934 0.1887	0.2099	0.1852	Ave		0.1945			0.1000	4.8		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1515 0.1533	0.1628 0.1608	0.1474 0.1591	0.1717	0.1560	Ave		0.1578			0.0500	4.8		15.0			
Acetone	+++++ 0.1117	+++++ 0.1056	0.2169 0.1031	0.1870	0.1504	Lin1	1.4323	0.0998			0.0500				0.9960		0.9900
Iodomethane	0.3112 0.2885	0.3326 0.2930	0.3051 0.2905	0.3366	0.3051	Ave		0.3078				6.0		15.0			
Carbon disulfide	0.4014 0.4962	0.4691 0.4971	0.4438 0.5321	0.5063	0.4630	Ave		0.4761			0.1000	8.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 170352

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/03/2015 00:12 Calibration End Date: 03/03/2015 03:00 Calibration ID: 27146

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
3-Chloro-1-propene	0.0859 0.1143	0.0895 0.1221	0.1120 0.1204	0.1260	0.1087	Ave		0.1099				13.0		15.0			
Methyl acetate	0.2446 0.2166	0.2639 0.2196	0.2292 0.2261	0.2710	0.2518	Ave		0.2404			0.1000	8.6		15.0			
Methylene Chloride	+++++ 0.2450	+++++ 0.2289	0.4507 0.2254	0.3697	0.2764	Lin1	1.2590	0.2186			0.1000				0.9990		0.9900
tert-Butyl alcohol (TBA)	0.0285 0.0267	0.0281 0.0266	0.0250 0.0225	0.0338	0.0317	Ave		0.0279				13.0		15.0			
Acrylonitrile	0.1012 0.0969	0.1135 0.0993	0.1008 0.1003	0.1193	0.1142	Ave		0.1057				8.1		15.0			
trans-1,2-Dichloroethene	0.2147 0.2207	0.2330 0.2250	0.2405 0.2218	0.2511	0.2239	Ave		0.2288			0.1000	5.2		15.0			
Methyl tert-butyl ether	0.6090 0.6371	0.6468 0.6656	0.6354 0.6511	0.7315	0.6943	Ave		0.6588			0.1000	5.8		15.0			
Hexane	+++++ 0.0614	0.0794 0.0634	0.0619 0.0638	0.0736	0.0616	Ave		0.0664				11.0		15.0			
1,1-Dichloroethane	0.4224 0.3785	0.4175 0.3912	0.4092 0.3924	0.4268	0.3936	Ave		0.4039			0.1000	4.3		15.0			
Vinyl acetate	0.1670 0.2195	0.2206 0.2393	0.2019 0.2328	0.2502	0.1999	Ave		0.2164				12.0		15.0			
2-Butanone (MEK)	0.1518 0.1445	0.1768 0.1439	0.1565 0.1456	0.1728	0.1660	Ave		0.1572			0.0500	8.4		15.0			
cis-1,2-Dichloroethene	0.2505 0.2426	0.2480 0.2522	0.2567 0.2488	0.2701	0.2482	Ave		0.2521			0.1000	3.3		15.0			
2,2-Dichloropropane	0.1554 0.1793	0.1789 0.1767	0.1701 0.1769	0.2059	0.1842	Ave		0.1784				7.9		15.0			
Bromochloromethane	0.1366 0.1248	0.1300 0.1264	0.1287 0.1235	0.1390	0.1297	Ave		0.1298				4.2		15.0			
Tetrahydrofuran	0.0816 0.0826	0.0850 0.0863	0.0810 0.0874	0.1003	0.0954	Ave		0.0875				7.9		15.0			
Chloroform	0.4094 0.3690	0.4017 0.3769	0.3941 0.3749	0.4321	0.3758	Ave		0.3917				5.6		15.0			
1,1,1-Trichloroethane	0.2959 0.2905	0.2873 0.2980	0.2658 0.3051	0.3166	0.2863	Ave		0.2932			0.1000	5.1		15.0			
Cyclohexane	0.3382 0.3707	0.3551 0.3851	0.3558 0.3847	0.4097	0.3533	Ave		0.3691			0.1000	6.3		15.0			
1,1-Dichloropropene	0.2465 0.2685	0.2764 0.2786	0.2655 0.2814	0.3186	0.2646	Ave		0.2750				7.5		15.0			
Carbon tetrachloride	0.2529 0.2573	0.2426 0.2725	0.2477 0.2777	0.2759	0.2408	Ave		0.2584			0.1000	5.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 170352

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/03/2015 00:12 Calibration End Date: 03/03/2015 03:00 Calibration ID: 27146

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Isobutyl alcohol	0.0093 0.0105	0.0112 0.0105	0.0097 0.0095	0.0131	0.0125	Ave		0.0108				13.0		15.0			
1,2-Dichloroethane	0.3413 0.2892	0.3330 0.2958	0.3000 0.2915	0.3319	0.3090	Ave		0.3115			0.1000	6.7		15.0			
Benzene	1.0042 0.8984	1.0032 0.9154	0.9905 0.9081	1.0272	0.9139	Ave		0.9576			0.5000	5.6		15.0			
n-Heptane	+++++ 0.0743	+++++ 0.0751	0.0621 0.0737	0.0809	0.0653	Ave		0.0719				9.6		15.0			
Trichloroethene	0.2681 0.2394	0.2722 0.2475	0.2549 0.2488	0.2651	0.2436	Ave		0.2549			0.2000	4.8		15.0			
Methylcyclohexane	0.3826 0.3806	0.3958 0.4000	0.3591 0.3963	0.4190	0.3572	Ave		0.3863			0.1000	5.4		15.0			
1,2-Dichloropropane	0.2552 0.2259	0.2388 0.2293	0.2398 0.2232	0.2595	0.2265	Ave		0.2373			0.1000	5.8		15.0			
Dibromomethane	0.1129 0.1303	0.1394 0.1332	0.1280 0.1304	0.1392	0.1366	Ave		0.1313				6.5		15.0			
1,4-Dioxane	0.0022 0.0027	0.0024 0.0027	0.0027 0.0023	0.0031	0.0026	Ave		0.0026				12.0		15.0			
Bromodichloromethane	0.2118 0.2683	0.2067 0.2871	0.2387 0.2911	0.2752	0.2615	Ave		0.2550			0.1000	13.0		15.0			
2-Chloroethyl vinyl ether	+++++ 0.0627	0.0453 0.0687	0.0519 0.0720	0.0630	0.0582	Ave		0.0602				15.0		15.0			
cis-1,3-Dichloropropene	0.2725 0.3244	0.2489 0.3408	0.2812 0.3442	0.3185	0.2979	Ave		0.3036			0.1500	11.0		15.0			
4-Methyl-2-pentanone (MIBK)	0.2116 0.2763	0.2360 0.2727	0.2505 0.2660	0.3110	0.2950	Ave		0.2649			0.0500	12.0		15.0			
Toluene	1.5016 1.3090	1.3867 1.3149	1.3331 1.3637	1.4933	1.2962	Ave		1.3748			0.4000	5.9		15.0			
trans-1,3-Dichloropropene	+++++ 0.3745	+++++ 0.3889	0.2799 0.4051	0.3532	0.3449	Ave		0.3577			0.1000	12.0		15.0			
Ethyl methacrylate	+++++ 0.3622	+++++ 0.3569	0.2914 0.3580	0.3688	0.3393	Ave		0.3461				8.2		15.0			
1,1,2-Trichloroethane	0.3165 0.2733	0.2634 0.2727	0.2937 0.2737	0.3218	0.2861	Ave		0.2876			0.1000	7.5		15.0			
1,3-Dichloropropane	0.4280 0.4647	0.4777 0.4619	0.4706 0.4652	0.5353	0.4831	Ave		0.4733				6.3		15.0			
Tetrachloroethene	0.3196 0.2649	0.2761 0.2667	0.2789 0.2676	0.3047	0.2514	Ave		0.2787			0.2000	8.1		15.0			
2-Hexanone	0.2071 0.2821	0.2420 0.2674	0.2326 0.2623	0.3130	0.3017	Ave		0.2635			0.0500	14.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 170352

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/03/2015 00:12 Calibration End Date: 03/03/2015 03:00 Calibration ID: 27146

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dibromochloromethane	+++++ 0.2826	0.2036 0.2943	0.2150 0.3076	0.2825	0.2662	Ave		0.2645				15.0		15.0			
1,2-Dibromoethane	0.1884 0.2744	0.2663 0.2766	0.2766 0.2800	0.3094	0.2845	Ave		0.2695				13.0		15.0			
Chlorobenzene	1.0023 0.8672	1.0131 0.8677	0.9540 0.8681	1.0006	0.8633	Ave		0.9295			0.3000	7.5		15.0			
1,1,1,2-Tetrachloroethane	0.2505 0.2923	0.2554 0.2984	0.2586 0.2987	0.3077	0.2886	Ave		0.2813				8.1		15.0			
Ethylbenzene	0.4861 0.4758	0.4876 0.4697	0.4995 0.4743	0.5263	0.4493	Ave		0.4836				4.7		15.0			
m-Xylene & p-Xylene	0.5350 0.5855	0.5527 0.5688	0.5611 0.5772	0.6437	0.5453	Ave		0.5712				5.9		15.0			
o-Xylene	0.4441 0.5555	0.5400 0.5551	0.5386 0.5392	0.6420	0.5451	Ave		0.5449				9.8		15.0			
Styrene	0.6563 0.8992	0.7699 0.8849	0.7727 0.8775	0.9203	0.8455	Ave		0.8283			0.3000	11.0		15.0			
Bromoform	0.0978 0.1834	0.1087 0.1955	0.1259 0.2033	0.1815	0.1651	Lin1	-0.171	0.1980			0.1000				0.9970		0.9900
Isopropylbenzene	1.1423 1.4570	1.2214 1.4715	1.3005 1.4586	1.5782	1.3734	Ave		1.3754			0.1000	11.0		15.0			
1,1,2,2-Tetrachloroethane	0.6849 0.6624	0.6570 0.6478	0.6045 0.6699	0.7985	0.6677	Ave		0.6741			0.3000	8.2		15.0			
Bromobenzene	0.7446 0.7282	0.7583 0.7219	0.7710 0.7557	0.8237	0.7144	Ave		0.7522				4.6		15.0			
1,2,3-Trichloropropane	0.2166 0.2311	0.2015 0.2201	0.2340 0.2294	0.2953	0.2506	Ave		0.2348				12.0		15.0			
trans-1,4-Dichloro-2-butene	+++++ 0.1980	0.1779 0.1957	0.1692 0.2079	0.2194	0.1827	Ave		0.1930				9.1		15.0			
N-Propylbenzene	0.5689 0.7854	0.6155 0.7815	0.7408 0.8242	0.8723	0.7534	Ave		0.7428				14.0		15.0			
2-Chlorotoluene	0.5605 0.6624	0.5827 0.6594	0.6479 0.6853	0.7511	0.6358	Ave		0.6481				9.1		15.0			
1,3,5-Trimethylbenzene	1.7342 2.3076	1.8431 2.3386	2.1033 2.3921	2.5729	2.2024	Ave		2.1868				13.0		15.0			
4-Chlorotoluene	0.6127 0.6995	0.5976 0.6874	0.7120 0.7121	0.8098	0.6558	Ave		0.6858				9.7		15.0			
tert-Butylbenzene	1.4839 2.1301	1.5955 2.1216	1.8968 2.1512	2.2751	1.9777	Ave		1.9540				14.0		15.0			
1,2,4-Trimethylbenzene	1.6814 2.4192	1.9856 2.4299	2.2754 2.4626	2.7038	2.3309	Ave		2.2861				14.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 170352

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/03/2015 00:12 Calibration End Date: 03/03/2015 03:00 Calibration ID: 27146

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
sec-Butylbenzene	2.1401 2.9860	2.4933 3.0191	2.7669 3.0336	3.2898	2.7551	Ave		2.8105				13.0		15.0			
1,3-Dichlorobenzene	1.4762 1.3178	1.4205 1.3120	1.4191 1.3227	1.5883	1.3029	Ave		1.3950			0.6000	7.3		15.0			
p-Isopropyltoluene	+++++ 2.5570	1.9978 2.6136	2.3109 2.5603	2.8183	2.4325	Ave		2.4701				11.0		15.0			
1,4-Dichlorobenzene	1.7621 1.3405	1.4395 1.3468	1.4811 1.3356	1.6724	1.3655	Ave		1.4679			0.5000	11.0		15.0			
n-Butylbenzene	1.6923 2.1625	1.8200 2.2637	1.9844 2.1701	2.3153	2.0127	Ave		2.0526				11.0		15.0			
1,2-Dichlorobenzene	1.3078 1.2586	1.3936 1.2752	1.3975 1.2501	1.5545	1.3505	Ave		1.3485			0.4000	7.5		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1225	0.1046 0.1324	0.0995 0.1435	0.1349	0.1290	Ave		0.1238			0.0500	13.0		15.0			
1,2,4-Trichlorobenzene	0.8421 0.8460	0.8580 0.9119	0.8112 0.9023	0.9203	0.8693	Ave		0.8701			0.2000	4.4		15.0			
Hexachlorobutadiene	0.5622 0.4780	0.5048 0.4922	0.5020 0.4698	0.5370	0.4832	Ave		0.5037				6.2		15.0			
Naphthalene	1.7179 2.2787	1.7202 2.4240	1.7775 2.2957	2.2933	2.4185	Ave		2.1157				15.0		15.0			
1,2,3-Trichlorobenzene	0.9801 0.8666	0.8402 0.8988	0.8278 0.8671	0.9583	0.9289	Ave		0.8960				6.2		15.0			
Dibromofluoromethane (Surr)	+++++ 0.2035	0.4464 0.2004	0.3310 0.2063	0.2530	0.2172	Qua	0.6302	0.1857	0.0000869						1.0000		0.9900
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2225	0.5122 0.2286	0.3979 0.2346	0.3140	0.2615	Qua	0.8698	0.2061	0.0001210						1.0000		0.9900
Toluene-d8 (Surr)	+++++ 1.1257	2.3212 1.0783	1.7853 1.1326	1.4062	1.1310	Qua	3.5028	0.9923	0.0006103						1.0000		0.9900
4-Bromofluorobenzene (Surr)	+++++ 0.3991	0.8616 0.3791	0.7120 0.3856	0.5259	0.4489	Qua	1.5846	0.3557	0.0001081						1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 170352

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/03/2015 00:12 Calibration End Date: 03/03/2015 03:00 Calibration ID: 27146

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-170352/10	UX86161.D
Level 2	STD8260 240-170352/9	UX86160.D
Level 3	STD8260 240-170352/8	UX86159.D
Level 4	STD8260 240-170352/7	UX86158.D
Level 5	ICIS 240-170352/6	UX86157.D
Level 6	STD8260 240-170352/5	UX86156.D
Level 7	STD8260 240-170352/4	UX86155.D
Level 8	STD8260 240-170352/3	UX86154.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	3746 251176	8380 517858	24299 1020234	53676	92925	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chloromethane	FB	Ave	4906 280520	11129 603678	29111 1154899	59456	112051	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Vinyl chloride	FB	Ave	3539 203524	8672 419593	20932 885989	48274	79560	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromomethane	FB	Qua	2565 115756	5728 214835	13568 350225	30236	52522	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chloroethane	FB	Qua	1622 114370	5300 204568	11139 352207	27259	47704	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Dichlorofluoromethane	FB	Ave	6406 290246	12140 547578	30165 1040128	66340	113019	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Trichlorofluoromethane	FB	Ave	4878 306873	11366 598951	27122 1211923	69444	114969	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethyl ether	FB	Ave	3977 184187	8685 344253	24685 +++++	44665	77718	1.00 50.0	2.00 100	5.00 +++++	10.0	20.0
Acrolein	FB	Qua	2547 136786	3701 182187	14486 +++++	23740	59121	5.00 250	10.0 500	25.0 +++++	50.0	100
1,1-Dichloroethene	FB	Ave	4809 249125	9981 486715	24153 1046029	54544	93300	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	3629 204040	7958 419537	18407 882110	44606	78620	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Acetone	FB	Lin1	+++++ 297225	+++++ 551021	54156 1143323	97186	151525	+++++ 100	+++++ 200	10.0 400	20.0	40.0
Iodomethane	FB	Ave	7454 383908	16254 764539	38096 1610175	87446	153743	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Carbon disulfide	FB	Ave	9614 660358	22924 1296823	55412 2949804	131522	233266	1.00 50.0	2.00 100	5.00 200	10.0	20.0
3-Chloro-1-propene	FB	Ave	2058 152087	4374 318618	13990 667293	32727	54777	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 170352

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/03/2015 00:12 Calibration End Date: 03/03/2015 03:00 Calibration ID: 27146

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Methyl acetate	FB	Ave	29290 1441376	64483 2864669	143103 6267592	351963	634426	5.00 250	10.0 500	25.0 1000	50.0	100
Methylene Chloride	FB	Lin1	+++++ 326073	+++++ 597190	56270 1249548	96035	139281	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
tert-Butyl alcohol (TBA)	FB	Ave	6829 354737	13746 693436	31227 1249970	87810	159599	10.0 500	20.0 1000	50.0 2000	100	200
Acrylonitrile	FB	Ave	24230 1290141	55473 2590093	125851 5558383	309930	575627	10.0 500	20.0 1000	50.0 2000	100	200
trans-1,2-Dichloroethene	FB	Ave	5142 293680	11386 587054	30023 1229351	65242	112801	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Methyl tert-butyl ether	FB	Ave	14586 847838	31610 1736457	79334 3609743	190039	349825	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Hexane	FB	Ave	+++++ 81731	3878 165346	7730 353867	19127	31019	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,1-Dichloroethane	FB	Ave	10117 503677	20404 1020526	51089 2175083	110888	198329	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Vinyl acetate	FB	Ave	3840 280423	10348 599318	24206 1238845	62399	96712	0.960 48.0	1.92 96.0	4.80 192	9.60	19.2
2-Butanone (MEK)	FB	Ave	7271 384576	17279 751029	39075 1614052	89778	167280	2.00 100	4.00 200	10.0 400	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	6001 322878	12117 658097	32045 1379260	70161	125068	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3723 238612	8742 461098	21235 980520	53498	92793	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromochloromethane	FB	Ave	3273 166100	6354 329901	16071 684756	36102	65334	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tetrahydrofuran	FB	Ave	3911 219923	8304 450196	20234 968949	52097	96186	2.00 100	4.00 200	10.0 400	20.0	40.0
Chloroform	FB	Ave	9806 491055	19629 983425	49212 2078203	112262	189353	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	7087 386625	14040 777558	33182 1691624	82250	144266	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Cyclohexane	FB	Ave	8101 493376	17352 1004781	44419 2132781	106448	177991	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1-Dichloropropene	FB	Ave	5904 357342	13507 726728	33148 1559996	82766	133306	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Carbon tetrachloride	FB	Ave	6057 342366	11856 711068	30921 1539751	71679	121316	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Isobutyl alcohol	FB	Ave	5552 349039	13740 686607	30197 1315780	85297	157253	25.0 1250	50.0 2500	125 5000	250	500
1,2-Dichloroethane	FB	Ave	8174 384931	16273 771811	37460 1615877	86219	155694	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 170352

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/03/2015 00:12 Calibration End Date: 03/03/2015 03:00 Calibration ID: 27146

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	24052 1195591	49022 2388128	123667 5034065	266853	460470	1.00 50.0	2.00 100	5.00 200	10.0	20.0
n-Heptane	FB	Ave	+++++ 98860	+++++ 195852	7757 408337	21007	32908	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Trichloroethene	FB	Ave	6422 318617	13302 645797	31821 1379289	68861	122742	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Methylcyclohexane	FB	Ave	9163 506560	19343 1043572	44839 2197216	108864	179971	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichloropropane	FB	Ave	6113 300609	11668 598258	29941 1237377	67411	114127	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Dibromomethane	FB	Ave	2704 173472	6813 347497	15977 722879	36171	68832	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,4-Dioxane	FB	Ave	1039 71356	2366 138705	6709 249826	16226	25764	20.0 1000	40.0 2000	100 4000	200	400
Bromodichloromethane	FB	Ave	5074 357066	10100 749091	29804 1613750	71483	131750	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 166921	4424 358320	12955 798679	32721	58651	+++++ 100	4.00 200	10.0 400	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	6528 431708	12162 889075	35106 1908395	82755	150110	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	10136 735321	23065 1423106	62565 2949618	161600	297246	2.00 100	4.00 200	10.0 400	20.0	40.0
Toluene	CBZ	Ave	27355 1308073	49880 2576332	127552 5486100	285792	475267	1.00 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Ave	+++++ 374192	+++++ 761895	26778 1629786	67587	126474	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Ethyl methacrylate	CBZ	Ave	+++++ 361900	+++++ 699196	27885 1440405	70584	124396	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,1,2-Trichloroethane	CBZ	Ave	5765 273156	9473 534345	28098 1101257	61579	104901	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3-Dichloropropane	CBZ	Ave	7797 464404	17184 905097	45024 1871486	102438	177129	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tetrachloroethene	CBZ	Ave	5823 264679	9932 522567	26683 1076734	58307	92185	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Hexanone	CBZ	Ave	7544 563853	17412 1047707	44518 2110114	119786	221209	2.00 100	4.00 200	10.0 400	20.0	40.0
Dibromochloromethane	CBZ	Ave	+++++ 282358	7324 576635	20567 1237345	54058	97600	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dibromoethane	CBZ	Ave	3432 274176	9579 541854	26465 1126380	59216	104303	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chlorobenzene	CBZ	Ave	18260 866581	36441 1700017	91278 3492453	191499	316530	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 170352

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/03/2015 00:12 Calibration End Date: 03/03/2015 03:00 Calibration ID: 27146

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,1,1,2-Tetrachloroethane	CBZ	Ave	4564 292141	9186 584652	24739 1201872	58895	105818	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethylbenzene	CBZ	Ave	8855 475437	17538 920210	47792 1908298	100716	164729	1.00 50.0	2.00 100	5.00 200	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	9747 585132	19881 1114505	53687 2322017	123182	199947	1.00 50.0	2.00 100	5.00 200	10.0	20.0
o-Xylene	CBZ	Ave	8090 555144	19423 1087583	51532 2169346	122871	199864	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Styrene	CBZ	Ave	11956 898542	27695 1733825	73930 3530126	176122	310009	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromoform	CBZ	Lin1	1782 183227	3909 383004	12042 817999	34743	60546	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Isopropylbenzene	CBZ	Ave	20810 1455954	43935 2883103	124437 5868112	302032	503589	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,2,2-Tetrachloroethane	DCB	Ave	6343 349496	12906 669844	30022 1292627	79455	132203	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromobenzene	DCB	Ave	6896 384175	14897 746407	38290 1458021	81970	141435	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	2006 121923	3959 227615	11621 442560	29387	49607	1.00 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 104469	3495 202370	8402 401124	21836	36170	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
N-Propylbenzene	DCB	Ave	5269 414360	12091 808016	36791 1590300	86803	149165	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chlorotoluene	DCB	Ave	5191 349499	11448 681848	32177 1322168	74740	125870	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	16061 1217483	36207 2418136	104451 4615532	256025	436033	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Chlorotoluene	DCB	Ave	5674 369059	11739 710767	35359 1373931	80579	129830	1.00 50.0	2.00 100	5.00 200	10.0	20.0
tert-Butylbenzene	DCB	Ave	13743 1123842	31344 2193722	94194 4150735	226398	391546	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	15572 1276363	39008 2512530	112999 4751419	269052	461481	1.00 50.0	2.00 100	5.00 200	10.0	20.0
sec-Butylbenzene	DCB	Ave	19820 1575428	48980 3121718	137408 5853186	327363	545467	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	13671 695292	27906 1356626	70475 2552180	158051	257960	1.00 50.0	2.00 100	5.00 200	10.0	20.0
p-Isopropyltoluene	DCB	Ave	+++++ 1349059	39247 2702403	114762 4939926	280450	481597	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	16319 707247	28279 1392577	73552 2576899	166416	270341	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 170352

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 03/03/2015 00:12 Calibration End Date: 03/03/2015 03:00 Calibration ID: 27146

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
n-Butylbenzene	DCB	Ave	15673 1140954	35753 2340628	98548 4187048	230396	398476	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	12112 664029	27378 1318513	69400 2411969	154686	267385	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 64629	2055 136941	4939 276967	13425	25539	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	7799 446327	16856 942856	40283 1740875	91574	172104	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Hexachlorobutadiene	DCB	Ave	5207 252184	9916 508970	24928 906512	53441	95659	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Naphthalene	DCB	Ave	15910 1202261	33793 2506363	88270 4429380	228207	478826	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	9077 457239	16505 929396	41110 1672935	95362	183899	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Dibromofluoromethane (Surr)	FB	Qua	+++++ 270863	21813 522896	41323 1143596	65724	109442	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Qua	+++++ 296150	25032 596321	49683 1300516	81568	131736	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Toluene-d8 (Surr)	CBZ	Qua	+++++ 1124932	83495 2112751	170823 4556666	269121	414688	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
4-Bromofluorobenzene (Surr)	CBZ	Qua	+++++ 398794	30993 742681	68128 1551254	100638	164587	+++++ 50.0	2.00 100	5.00 200	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICV 240-170352/11 Calibration Date: 03/03/2015 03:21

Instrument ID: A3UX8 Calib Start Date: 03/03/2015 00:12

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 03/03/2015 03:00

Lab File ID: UX86162.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1856	0.2072	0.1000	0.0279	0.0250	11.7	20.0
Chloromethane	Ave	0.2209	0.2193	0.1000	0.0248	0.0250	-0.7	20.0
Vinyl chloride	Ave	0.1638	0.1679	0.1000	0.0256	0.0250	2.5	20.0
Bromomethane	Qua		0.1008	0.0500	0.0261	0.0250	4.3	20.0
Chloroethane	Qua		0.0953	0.0500	0.0263	0.0250	5.3	20.0
Dichlorofluoromethane	Ave	0.2316	0.2353		0.0254	0.0250	1.6	20.0
Trichlorofluoromethane	Ave	0.2285	0.2412	0.1000	0.0264	0.0250	5.6	20.0
Ethyl ether	Ave	0.1626	0.1622		0.0249	0.0250	-0.3	20.0
Acrolein	Qua		0.0167		0.0886	0.125	-29.1*	20.0
1,1-Dichloroethene	Ave	0.1945	0.1861	0.1000	0.0239	0.0250	-4.3	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.1578	0.1608	0.0500	0.0255	0.0250	1.9	20.0
Acetone	Lin1	0.1458	0.1130	0.0500	0.0423	0.0500	-15.5	20.0
Iodomethane	Ave	0.3078	0.3406		0.0277	0.0250	10.6	20.0
Carbon disulfide	Ave	0.4761	0.5415	0.1000	0.0284	0.0250	13.7	20.0
3-Chloro-1-propene	Ave	0.1099	0.1141		0.0260	0.0250	3.8	20.0
Methyl acetate	Ave	0.2404	0.2314	0.1000	0.120	0.125	-3.7	20.0
Methylene Chloride	Lin1	0.2993	0.2795	0.1000	0.0262	0.0250	4.8	20.0
tert-Butyl alcohol (TBA)	Ave	0.0279	0.0277		0.248	0.250	-0.7	20.0
Acrylonitrile	Ave	0.1057	0.1076		0.255	0.250	1.8	20.0
Methyl tert-butyl ether	Ave	0.6588	0.6725	0.1000	0.0255	0.0250	2.1	20.0
trans-1,2-Dichloroethene	Ave	0.2288	0.2391	0.1000	0.0261	0.0250	4.5	20.0
Hexane	Ave	0.0664	0.0669		0.0252	0.0250	0.6	20.0
1,1-Dichloroethane	Ave	0.4039	0.4126	0.1000	0.0255	0.0250	2.1	20.0
Vinyl acetate	Ave	0.2164	0.3626		0.0419	0.0250	67.5*	20.0
2-Butanone (MEK)	Ave	0.1572	0.1462	0.0500	0.0465	0.0500	-7.0	20.0
2,2-Dichloropropane	Ave	0.1784	0.1859		0.0261	0.0250	4.2	20.0
cis-1,2-Dichloroethene	Ave	0.2521	0.2621	0.1000	0.0260	0.0250	4.0	20.0
Bromochloromethane	Ave	0.1298	0.1325		0.0255	0.0250	2.0	20.0
Tetrahydrofuran	Ave	0.0875	0.0890		0.0509	0.0500	1.7	20.0
Chloroform	Ave	0.3917	0.3916	0.2000	0.0250	0.0250	-0.0	20.0
1,1,1-Trichloroethane	Ave	0.2932	0.3042	0.1000	0.0259	0.0250	3.8	20.0
Cyclohexane	Ave	0.3691	0.3878	0.1000	0.0263	0.0250	5.1	20.0
1,1-Dichloropropene	Ave	0.2750	0.2997		0.0272	0.0250	9.0	20.0
Carbon tetrachloride	Ave	0.2584	0.2681	0.1000	0.0259	0.0250	3.8	20.0
Isobutyl alcohol	Ave	0.0108	0.0112		0.649	0.625	3.8	20.0
1,2-Dichloroethane	Ave	0.3115	0.3129	0.1000	0.0251	0.0250	0.5	20.0
Benzene	Ave	0.9576	0.9522	0.5000	0.0249	0.0250	-0.6	20.0
n-Heptane	Ave	0.0719	0.0717		0.0249	0.0250	-0.2	20.0
Trichloroethene	Ave	0.2549	0.2501	0.2000	0.0245	0.0250	-1.9	20.0
1,2-Dichloropropane	Ave	0.2373	0.2421	0.1000	0.0255	0.0250	2.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICV 240-170352/11 Calibration Date: 03/03/2015 03:21

Instrument ID: A3UX8 Calib Start Date: 03/03/2015 00:12

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 03/03/2015 03:00

Lab File ID: UX86162.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3863	0.3877	0.1000	0.0251	0.0250	0.3	20.0
1,4-Dioxane	Ave	0.0026	0.0027		0.528	0.500	5.5	20.0
Dibromomethane	Ave	0.1313	0.1373		0.0261	0.0250	4.6	20.0
Bromodichloromethane	Ave	0.2550	0.2727	0.1000	0.0267	0.0250	6.9	20.0
2-Chloroethyl vinyl ether	Ave	0.0602	0.0595		0.0296	0.0300	-1.2	20.0
cis-1,3-Dichloropropene	Ave	0.3036	0.3344	0.1500	0.0275	0.0250	10.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2649	0.2868	0.0500	0.0541	0.0500	8.3	20.0
Toluene	Ave	1.375	1.408	0.4000	0.0256	0.0250	2.4	20.0
trans-1,3-Dichloropropene	Ave	0.3577	0.4100	0.1000	0.0287	0.0250	14.6	20.0
Ethyl methacrylate	Ave	0.3461	0.4060		0.0293	0.0250	17.3	20.0
1,1,2-Trichloroethane	Ave	0.2876	0.2998	0.1000	0.0261	0.0250	4.2	20.0
1,3-Dichloropropane	Ave	0.4733	0.4994		0.0264	0.0250	5.5	20.0
Tetrachloroethene	Ave	0.2787	0.2715	0.2000	0.0244	0.0250	-2.6	20.0
2-Hexanone	Ave	0.2635	0.2678	0.0500	0.0508	0.0500	1.6	20.0
Dibromochloromethane	Ave	0.2645	0.2919		0.0276	0.0250	10.3	20.0
1,2-Dibromoethane	Ave	0.2695	0.2939		0.0273	0.0250	9.1	20.0
Chlorobenzene	Ave	0.9295	0.9385	0.3000	0.0252	0.0250	1.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2813	0.3071		0.0273	0.0250	9.2	20.0
Ethylbenzene	Ave	0.4836	0.5001		0.0259	0.0250	3.4	20.0
m-Xylene & p-Xylene	Ave	0.5712	0.6002		0.0263	0.0250	5.1	20.0
o-Xylene	Ave	0.5449	0.5927		0.0272	0.0250	8.8	20.0
Styrene	Ave	0.8283	0.9497	0.3000	0.0287	0.0250	14.7	20.0
Bromoform	Lin1		0.1822	0.1000	0.0239	0.0250	-4.5	20.0
Isopropylbenzene	Ave	1.375	1.498	0.1000	0.0272	0.0250	8.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6741	0.6990	0.3000	0.0259	0.0250	3.7	20.0
Bromobenzene	Ave	0.7522	0.7540		0.0251	0.0250	0.2	20.0
1,2,3-Trichloropropane	Ave	0.2348	0.2548		0.0271	0.0250	8.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1930	0.2048		0.0265	0.0250	6.1	20.0
N-Propylbenzene	Ave	0.7428	0.7761		0.0261	0.0250	4.5	20.0
2-Chlorotoluene	Ave	0.6481	0.6750		0.0260	0.0250	4.1	20.0
1,3,5-Trimethylbenzene	Ave	2.187	2.288		0.0262	0.0250	4.6	20.0
4-Chlorotoluene	Ave	0.6858	0.7109		0.0259	0.0250	3.7	20.0
tert-Butylbenzene	Ave	1.954	2.037		0.0261	0.0250	4.3	20.0
1,2,4-Trimethylbenzene	Ave	2.286	2.319		0.0254	0.0250	1.4	20.0
sec-Butylbenzene	Ave	2.810	2.884		0.0257	0.0250	2.6	20.0
1,3-Dichlorobenzene	Ave	1.395	1.365	0.6000	0.0245	0.0250	-2.1	20.0
p-Isopropyltoluene	Ave	2.470	2.461		0.0249	0.0250	-0.3	20.0
1,4-Dichlorobenzene	Ave	1.468	1.385	0.5000	0.0236	0.0250	-5.7	20.0
n-Butylbenzene	Ave	2.053	2.041		0.0249	0.0250	-0.6	20.0
1,2-Dichlorobenzene	Ave	1.348	1.335	0.4000	0.0247	0.0250	-1.0	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1238	0.1184	0.0500	0.0239	0.0250	-4.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICV 240-170352/11 Calibration Date: 03/03/2015 03:21

Instrument ID: A3UX8 Calib Start Date: 03/03/2015 00:12

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 03/03/2015 03:00

Lab File ID: UX86162.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	0.8701	0.7720	0.2000	0.0222	0.0250	-11.3	20.0
Hexachlorobutadiene	Ave	0.5037	0.4355		0.0216	0.0250	-13.5	20.0
Naphthalene	Ave	2.116	1.933		0.0228	0.0250	-8.6	20.0
1,2,3-Trichlorobenzene	Ave	0.8960	0.7646		0.0213	0.0250	-14.7	20.0
Dibromofluoromethane (Surr)	Qua	0.2654	0.2135		0.0528	0.0500	5.6	20.0
1,2-Dichloroethane-d4 (Surr)	Qua	0.3102	0.2338		0.0510	0.0500	1.9	20.0
Toluene-d8 (Surr)	Qua	1.426	1.185		0.0544	0.0500	8.8	20.0
4-Bromofluorobenzene (Surr)	Qua	0.5303	0.4019		0.0512	0.0500	2.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCVIS 240-175483/4 Calibration Date: 04/08/2015 01:48

Instrument ID: A3UX8 Calib Start Date: 03/03/2015 00:12

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 03/03/2015 03:00

Lab File ID: UX86840.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1856	0.1672	0.1000	0.0180	0.0200	-9.9	20.0
Chloromethane	Ave	0.2209	0.1989	0.1000	0.0180	0.0200	-10.0	20.0
Vinyl chloride	Ave	0.1638	0.1610	0.1000	0.0197	0.0200	-1.7	20.0
Bromomethane	Qua		0.1063	0.0500	0.0217	0.0200	8.4	20.0
Chloroethane	Qua		0.0887	0.0500	0.0193	0.0200	-3.7	20.0
Dichlorofluoromethane	Ave	0.2316	0.2226		0.0192	0.0200	-3.9	20.0
Trichlorofluoromethane	Ave	0.2285	0.2274	0.1000	0.0199	0.0200	-0.5	20.0
Ethyl ether	Ave	0.1626	0.1550		0.0191	0.0200	-4.7	20.0
Acrolein	Qua		0.0350		0.156	0.100	56.0*	20.0
1,1-Dichloroethene	Ave	0.1945	0.1832	0.1000	0.0188	0.0200	-5.8	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.1578	0.1461	0.0500	0.0185	0.0200	-7.5	20.0
Acetone	Lin1	0.1458	0.1264	0.0500	0.0363	0.0400	-9.2	20.0
Iodomethane	Ave	0.3078	0.2796		0.0182	0.0200	-9.2	20.0
Carbon disulfide	Ave	0.4761	0.4429	0.1000	0.0186	0.0200	-7.0	20.0
3-Chloro-1-propene	Ave	0.1099	0.1120		0.0204	0.0200	2.0	20.0
Methyl acetate	Ave	0.2404	0.2283	0.1000	0.0950	0.100	-5.0	20.0
Methylene Chloride	Lin1	0.2993	0.2752	0.1000	0.0194	0.0200	-2.9	20.0
tert-Butyl alcohol (TBA)	Ave	0.0279	0.0299		0.214	0.200	7.2	20.0
Acrylonitrile	Ave	0.1057	0.1065		0.202	0.200	0.8	20.0
Methyl tert-butyl ether	Ave	0.6588	0.6267	0.1000	0.0190	0.0200	-4.9	20.0
trans-1,2-Dichloroethene	Ave	0.2288	0.2284	0.1000	0.0200	0.0200	-0.2	20.0
Hexane	Ave	0.0664	0.0632		0.0190	0.0200	-4.8	20.0
1,1-Dichloroethane	Ave	0.4039	0.3732	0.1000	0.0185	0.0200	-7.6	20.0
Vinyl acetate	Ave	0.2164	0.2271		0.0201	0.0192	4.9	20.0
2-Butanone (MEK)	Ave	0.1572	0.1548	0.0500	0.0394	0.0400	-1.5	20.0
cis-1,2-Dichloroethene	Ave	0.2521	0.2590	0.1000	0.0205	0.0200	2.7	20.0
2,2-Dichloropropane	Ave	0.1784	0.1716		0.0192	0.0200	-3.8	20.0
Bromochloromethane	Ave	0.1298	0.1327		0.0204	0.0200	2.2	20.0
Tetrahydrofuran	Ave	0.0875	0.0893		0.0408	0.0400	2.0	20.0
Chloroform	Ave	0.3917	0.3723	0.2000	0.0190	0.0200	-5.0	20.0
1,1,1-Trichloroethane	Ave	0.2932	0.2769	0.1000	0.0189	0.0200	-5.6	20.0
Cyclohexane	Ave	0.3691	0.3504	0.1000	0.0190	0.0200	-5.1	20.0
1,1-Dichloropropene	Ave	0.2750	0.2715		0.0197	0.0200	-1.3	20.0
Carbon tetrachloride	Ave	0.2584	0.2410	0.1000	0.0186	0.0200	-6.8	20.0
Isobutyl alcohol	Ave	0.0108	0.0112		0.521	0.500	4.1	20.0
1,2-Dichloroethane	Ave	0.3115	0.2774	0.1000	0.0178	0.0200	-10.9	20.0
Benzene	Ave	0.9576	0.9351	0.5000	0.0195	0.0200	-2.3	20.0
n-Heptane	Ave	0.0719	0.0728		0.0202	0.0200	1.2	20.0
Trichloroethene	Ave	0.2549	0.2514	0.2000	0.0197	0.0200	-1.4	20.0
Methylcyclohexane	Ave	0.3863	0.3813	0.1000	0.0197	0.0200	-1.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCVIS 240-175483/4 Calibration Date: 04/08/2015 01:48

Instrument ID: A3UX8 Calib Start Date: 03/03/2015 00:12

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 03/03/2015 03:00

Lab File ID: UX86840.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.2373	0.2225	0.1000	0.0188	0.0200	-6.2	20.0
1,4-Dioxane	Ave	0.0026	0.0030		0.474	0.400	18.4	20.0
Dibromomethane	Ave	0.1313	0.1310		0.0200	0.0200	-0.2	20.0
Bromodichloromethane	Ave	0.2550	0.2587	0.1000	0.0203	0.0200	1.4	20.0
2-Chloroethyl vinyl ether	Ave	0.0602	0.0695		0.0461	0.0400	15.3	20.0
cis-1,3-Dichloropropene	Ave	0.3036	0.3036	0.1500	0.0200	0.0200	0.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2649	0.2813	0.0500	0.0425	0.0400	6.2	20.0
Toluene	Ave	1.375	1.386	0.4000	0.0202	0.0200	0.8	20.0
trans-1,3-Dichloropropene	Ave	0.3577	0.3552	0.1000	0.0199	0.0200	-0.7	20.0
Ethyl methacrylate	Ave	0.3461	0.3669		0.0212	0.0200	6.0	20.0
1,1,2-Trichloroethane	Ave	0.2876	0.2894	0.1000	0.0201	0.0200	0.6	20.0
1,3-Dichloropropane	Ave	0.4733	0.4741		0.0200	0.0200	0.2	20.0
Tetrachloroethene	Ave	0.2787	0.2794	0.2000	0.0200	0.0200	0.2	20.0
2-Hexanone	Ave	0.2635	0.2906	0.0500	0.0441	0.0400	10.3	20.0
Dibromochloromethane	Ave	0.2645	0.2688		0.0203	0.0200	1.6	20.0
1,2-Dibromoethane	Ave	0.2695	0.2883		0.0214	0.0200	7.0	20.0
Chlorobenzene	Ave	0.9295	0.9244	0.3000	0.0199	0.0200	-0.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2813	0.2879		0.0205	0.0200	2.4	20.0
Ethylbenzene	Ave	0.4836	0.5008		0.0207	0.0200	3.6	20.0
m-Xylene & p-Xylene	Ave	0.5712	0.6012		0.0211	0.0200	5.3	20.0
o-Xylene	Ave	0.5449	0.5807		0.0213	0.0200	6.6	20.0
Styrene	Ave	0.8283	0.9111	0.3000	0.0220	0.0200	10.0	20.0
Bromoform	Lin1		0.1774	0.1000	0.0188	0.0200	-6.1	20.0
Isopropylbenzene	Ave	1.375	1.473	0.1000	0.0214	0.0200	7.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6741	0.7327	0.3000	0.0217	0.0200	8.7	20.0
Bromobenzene	Ave	0.7522	0.7920		0.0211	0.0200	5.3	20.0
1,2,3-Trichloropropane	Ave	0.2348	0.2646		0.0225	0.0200	12.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1930	0.1857		0.0192	0.0200	-3.8	20.0
N-Propylbenzene	Ave	0.7428	0.8527		0.0230	0.0200	14.8	20.0
2-Chlorotoluene	Ave	0.6481	0.7024		0.0217	0.0200	8.4	20.0
1,3,5-Trimethylbenzene	Ave	2.187	2.385		0.0218	0.0200	9.0	20.0
4-Chlorotoluene	Ave	0.6858	0.7503		0.0219	0.0200	9.4	20.0
tert-Butylbenzene	Ave	1.954	2.198		0.0225	0.0200	12.5	20.0
1,2,4-Trimethylbenzene	Ave	2.286	2.475		0.0217	0.0200	8.3	20.0
sec-Butylbenzene	Ave	2.810	3.097		0.0220	0.0200	10.2	20.0
1,3-Dichlorobenzene	Ave	1.395	1.425	0.6000	0.0204	0.0200	2.1	20.0
p-Isopropyltoluene	Ave	2.470	2.664		0.0216	0.0200	7.9	20.0
1,4-Dichlorobenzene	Ave	1.468	1.435	0.5000	0.0195	0.0200	-2.3	20.0
n-Butylbenzene	Ave	2.053	2.236		0.0218	0.0200	8.9	20.0
1,2-Dichlorobenzene	Ave	1.348	1.358	0.4000	0.0201	0.0200	0.7	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1238	0.1159	0.0500	0.0187	0.0200	-6.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCVIS 240-175483/4 Calibration Date: 04/08/2015 01:48

Instrument ID: A3UX8 Calib Start Date: 03/03/2015 00:12

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 03/03/2015 03:00

Lab File ID: UX86840.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	0.8701	0.8211	0.2000	0.0189	0.0200	-5.6	20.0
Hexachlorobutadiene	Ave	0.5037	0.4710		0.0187	0.0200	-6.5	20.0
Naphthalene	Ave	2.116	2.003		0.0189	0.0200	-5.3	20.0
1,2,3-Trichlorobenzene	Ave	0.8960	0.7876		0.0176	0.0200	-12.1	20.0
Dibromofluoromethane (Surr)	Qua	0.2654	0.1778		0.0436	0.0500	-12.8	20.0
1,2-Dichloroethane-d4 (Surr)	Qua	0.3102	0.1858		0.0399	0.0500	-20.2*	20.0
Toluene-d8 (Surr)	Qua	1.426	1.025		0.0468	0.0500	-6.5	20.0
4-Bromofluorobenzene (Surr)	Qua	0.5303	0.3369		0.0424	0.0500	-15.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175483/5 Calibration Date: 04/08/2015 02:10

Instrument ID: A3UX8 Calib Start Date: 01/20/2015 03:27

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/20/2015 05:53

Lab File ID: UX86841.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0424	0.0380		0.179	0.200	-10.4	20.0
Diisopropyl ether	Ave	0.1973	0.2057		0.0209	0.0200	4.3	20.0
2-Chloro-1,3-butadiene	Ave	0.3514	0.3273		0.0186	0.0200	-6.8	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7153	0.6672		0.0187	0.0200	-6.7	20.0
Ethyl acetate	Ave	0.0854	0.0704		0.0330	0.0400	-17.5	20.0
Propionitrile	Ave	0.0446	0.0431		0.193	0.200	-3.3	20.0
Methacrylonitrile	Ave	0.1862	0.1799		0.193	0.200	-3.4	20.0
Tert-amyl methyl ether	Ave	0.6028	0.6130		0.0203	0.0200	1.7	20.0
n-Butanol	Ave	0.0096	0.0088		0.457	0.500	-8.5	20.0
Ethyl acrylate	Ave	0.2876	0.3327		0.0231	0.0200	15.7	20.0
Methyl methacrylate	Ave	0.2297	0.2375		0.0414	0.0400	3.4	20.0
2-Nitropropane	Lin1		0.0425		0.0334	0.0400	-16.6	20.0
1-Chlorohexane	Ave	0.3206	0.3871		0.0241	0.0200	20.7*	20.0
Cyclohexanone	Ave	0.0145	0.0117		0.161	0.200	-19.6	20.0
1,2,3-Trimethylbenzene	Ave	2.357	2.507		0.0213	0.0200	6.4	20.0
1,3,5-Trichlorobenzene	Ave	0.9868	1.010		0.0205	0.0200	2.4	20.0
2-Methylnaphthalene	Ave	1.598	1.004		0.0251	0.0400	-37.2*	20.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-175483/8

Matrix: Solid Lab File ID: UX86844.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/08/2015 03:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 175483 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.62	U	5.0	0.62
71-55-6	1,1,1-Trichloroethane	0.56	U	5.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	0.34	U	5.0	0.34
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.3	U	5.0	1.3
75-34-3	1,1-Dichloroethane	0.36	U	5.0	0.36
75-35-4	1,1-Dichloroethene	0.52	U	5.0	0.52
563-58-6	1,1-Dichloropropene	0.30	U	5.0	0.30
87-61-6	1,2,3-Trichlorobenzene	0.38	U	5.0	0.38
96-18-4	1,2,3-Trichloropropane	0.90	U	5.0	0.90
526-73-8	1,2,3-Trimethylbenzene	0.17	U	5.0	0.17
120-82-1	1,2,4-Trichlorobenzene	0.27	U	5.0	0.27
95-63-6	1,2,4-Trimethylbenzene	0.65	U	5.0	0.65
96-12-8	1,2-Dibromo-3-Chloropropane	1.3	U	10	1.3
95-50-1	1,2-Dichlorobenzene	0.36	U	5.0	0.36
107-06-2	1,2-Dichloroethane	0.34	U	5.0	0.34
78-87-5	1,2-Dichloropropane	0.69	U	5.0	0.69
541-73-1	1,3-Dichlorobenzene	0.35	U	5.0	0.35
142-28-9	1,3-Dichloropropane	0.34	U	5.0	0.34
106-46-7	1,4-Dichlorobenzene	0.66	U	5.0	0.66
594-20-7	2,2-Dichloropropane	0.94	U	5.0	0.94
110-75-8	2-Chloroethyl vinyl ether	1.4	U	50	1.4
95-49-8	2-Chlorotoluene	0.40	U	5.0	0.40
591-78-6	2-Hexanone	0.63	U	20	0.63
108-86-1	Bromobenzene	0.33	U	5.0	0.33
74-97-5	Bromochloromethane	0.71	U	5.0	0.71
106-43-4	4-Chlorotoluene	0.41	U	5.0	0.41
99-87-6	p-Isopropyltoluene	0.21	U	5.0	0.21
67-64-1	Acetone	6.3	U	20	6.3
71-43-2	Benzene	0.23	U	5.0	0.23
75-25-2	Bromoform	0.33	U	5.0	0.33
74-83-9	Bromomethane	0.54	U	5.0	0.54
75-15-0	Carbon disulfide	0.44	U	5.0	0.44
56-23-5	Carbon tetrachloride	0.37	U	5.0	0.37
108-90-7	Chlorobenzene	0.33	U	5.0	0.33
75-00-3	Chloroethane	0.86	U	5.0	0.86

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-175483/8

Matrix: Solid | Lab File ID: UX86844.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/08/2015 03:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 175483 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.29	U	5.0	0.29
74-87-3	Chloromethane	0.41	U	5.0	0.41
156-59-2	cis-1,2-Dichloroethene	0.36	U	5.0	0.36
10061-01-5	cis-1,3-Dichloropropene	0.34	U	5.0	0.34
87-68-3	Hexachlorobutadiene	1.2	U	5.0	1.2
74-95-3	Dibromomethane	0.63	U	5.0	0.63
75-27-4	Bromodichloromethane	0.28	U	5.0	0.28
75-71-8	Dichlorodifluoromethane	0.50	U	5.0	0.50
100-41-4	Ethylbenzene	0.26	U	5.0	0.26
106-93-4	1,2-Dibromoethane	0.50	U	5.0	0.50
108-20-3	Diisopropyl ether	1.5	U	10	1.5
91-20-3	Naphthalene	0.412	J	5.0	0.19
179601-23-1	m-Xylene & p-Xylene	1.2	U	10	1.2
104-51-8	n-Butylbenzene	0.23	U	5.0	0.23
98-82-8	Isopropylbenzene	0.16	U	5.0	0.16
103-65-1	N-Propylbenzene	0.40	U	5.0	0.40
78-93-3	2-Butanone (MEK)	1.4	U	20	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	0.54	U	20	0.54
135-98-8	sec-Butylbenzene	0.18	U	5.0	0.18
1634-04-4	Methyl tert-butyl ether	0.43	U	5.0	0.43
994-05-8	Tert-amyl methyl ether	0.37	U	5.0	0.37
75-09-2	Methylene Chloride	0.696	J	5.0	0.67
95-47-6	o-Xylene	0.35	U	5.0	0.35
100-42-5	Styrene	0.15	U	5.0	0.15
637-92-3	Ethyl-t-butyl ether (ETBE)	0.22	U	5.0	0.22
98-06-6	tert-Butylbenzene	0.29	U	5.0	0.29
127-18-4	Tetrachloroethene	0.52	U	5.0	0.52
108-88-3	Toluene	0.27	U	5.0	0.27
156-60-5	trans-1,2-Dichloroethene	0.41	U	5.0	0.41
10061-02-6	trans-1,3-Dichloropropene	0.54	U	5.0	0.54
79-01-6	Trichloroethene	0.42	U	5.0	0.42
75-69-4	Trichlorofluoromethane	0.34	U	5.0	0.34
108-05-4	Vinyl acetate	0.25	U	10	0.25
75-01-4	Vinyl chloride	0.39	U	5.0	0.39
75-65-0	tert-Butyl alcohol (TBA)	7.6	U	200	7.6
1330-20-7	Xylenes, Total	0.35	U	10	0.35

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-175483/8

Matrix: Solid | Lab File ID: UX86844.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/08/2015 03:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 175483 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.55	U	5.0	0.55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		58-123
460-00-4	4-Bromofluorobenzene (Surr)	90		52-136
2037-26-5	Toluene-d8 (Surr)	98		67-125
1868-53-7	Dibromofluoromethane (Surr)	94		37-132

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-175483/6

Matrix: Solid Lab File ID: UX86842.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/08/2015 02:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 175483 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	51.1		5.0	0.62
71-55-6	1,1,1-Trichloroethane	47.9		5.0	0.56
79-34-5	1,1,2,2-Tetrachloroethane	53.4		5.0	0.34
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	48.0		5.0	1.3
75-34-3	1,1-Dichloroethane	47.0		5.0	0.36
75-35-4	1,1-Dichloroethene	46.9		5.0	0.52
563-58-6	1,1-Dichloropropene	52.6		5.0	0.30
87-61-6	1,2,3-Trichlorobenzene	43.9		5.0	0.38
96-18-4	1,2,3-Trichloropropane	55.7		5.0	0.90
120-82-1	1,2,4-Trichlorobenzene	47.3		5.0	0.27
95-63-6	1,2,4-Trimethylbenzene	50.9		5.0	0.65
96-12-8	1,2-Dibromo-3-Chloropropane	58.8		10	1.3
95-50-1	1,2-Dichlorobenzene	47.5		5.0	0.36
107-06-2	1,2-Dichloroethane	44.7		5.0	0.34
78-87-5	1,2-Dichloropropane	47.8		5.0	0.69
541-73-1	1,3-Dichlorobenzene	48.1		5.0	0.35
142-28-9	1,3-Dichloropropane	49.9		5.0	0.34
106-46-7	1,4-Dichlorobenzene	46.4		5.0	0.66
594-20-7	2,2-Dichloropropane	44.0		5.0	0.94
110-75-8	2-Chloroethyl vinyl ether	79.2		50	1.4
95-49-8	2-Chlorotoluene	51.1		5.0	0.40
591-78-6	2-Hexanone	114		20	0.63
108-86-1	Bromobenzene	50.3		5.0	0.33
74-97-5	Bromochloromethane	48.7		5.0	0.71
106-43-4	4-Chlorotoluene	50.8		5.0	0.41
99-87-6	p-Isopropyltoluene	51.8		5.0	0.21
67-64-1	Acetone	104		20	6.3
71-43-2	Benzene	47.9		5.0	0.23
75-25-2	Bromoform	49.5		5.0	0.33
74-83-9	Bromomethane	50.1		5.0	0.54
75-15-0	Carbon disulfide	51.2		5.0	0.44
56-23-5	Carbon tetrachloride	49.9		5.0	0.37
108-90-7	Chlorobenzene	47.4		5.0	0.33
75-00-3	Chloroethane	48.0		5.0	0.86
67-66-3	Chloroform	46.3		5.0	0.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-175483/6

Matrix: Solid | Lab File ID: UX86842.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/08/2015 02:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 175483 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	37.9		5.0	0.41
156-59-2	cis-1,2-Dichloroethene	50.0		5.0	0.36
10061-01-5	cis-1,3-Dichloropropene	54.0		5.0	0.34
87-68-3	Hexachlorobutadiene	45.0		5.0	1.2
74-95-3	Dibromomethane	49.6		5.0	0.63
75-27-4	Bromodichloromethane	51.3		5.0	0.28
75-71-8	Dichlorodifluoromethane	31.9		5.0	0.50
100-41-4	Ethylbenzene	49.2		5.0	0.26
106-93-4	1,2-Dibromoethane	53.3		5.0	0.50
91-20-3	Naphthalene	52.1		5.0	0.19
179601-23-1	m-Xylene & p-Xylene	50.8		10	1.2
104-51-8	n-Butylbenzene	51.8		5.0	0.23
98-82-8	Isopropylbenzene	52.6		5.0	0.16
103-65-1	N-Propylbenzene	54.6		5.0	0.40
78-93-3	2-Butanone (MEK)	101		20	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	114		20	0.54
135-98-8	sec-Butylbenzene	52.5		5.0	0.18
1634-04-4	Methyl tert-butyl ether	49.5		5.0	0.43
75-09-2	Methylene Chloride	50.2		5.0	0.67
95-47-6	o-Xylene	51.6		5.0	0.35
100-42-5	Styrene	51.2		5.0	0.15
98-06-6	tert-Butylbenzene	58.2		5.0	0.29
127-18-4	Tetrachloroethene	47.1		5.0	0.52
108-88-3	Toluene	47.8		5.0	0.27
156-60-5	trans-1,2-Dichloroethene	50.5		5.0	0.41
10061-02-6	trans-1,3-Dichloropropene	56.2		5.0	0.54
79-01-6	Trichloroethene	49.9		5.0	0.42
75-69-4	Trichlorofluoromethane	46.8		5.0	0.34
108-05-4	Vinyl acetate	36.8		10	0.25
75-01-4	Vinyl chloride	41.4		5.0	0.39
75-65-0	tert-Butyl alcohol (TBA)	571		200	7.6
1330-20-7	Xylenes, Total	102		10	0.35
124-48-1	Dibromochloromethane	53.7		5.0	0.55

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-175483/6

Matrix: Solid Lab File ID: UX86842.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/08/2015 02:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 175483 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		58-123
460-00-4	4-Bromofluorobenzene (Surr)	97		52-136
2037-26-5	Toluene-d8 (Surr)	100		67-125
1868-53-7	Dibromofluoromethane (Surr)	97		37-132

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 MS | Lab Sample ID: 240-49010-1 MS

Matrix: Solid | Lab File ID: UX86866.D

Analysis Method: 8260C | Date Collected: 04/06/2015 15:00

Sample wt/vol: 5.08(g) | Date Analyzed: 04/08/2015 11:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 7.4 | Level: (low/med) Low

Analysis Batch No.: 175483 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	24.9		5.3	0.66
71-55-6	1,1,1-Trichloroethane	22.7		5.3	0.60
79-34-5	1,1,2,2-Tetrachloroethane	24.5		5.3	0.36
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.5		5.3	1.4
75-34-3	1,1-Dichloroethane	23.7		5.3	0.38
75-35-4	1,1-Dichloroethene	23.2		5.3	0.55
563-58-6	1,1-Dichloropropene	24.6		5.3	0.32
87-61-6	1,2,3-Trichlorobenzene	16.8		5.3	0.40
96-18-4	1,2,3-Trichloropropane	25.4		5.3	0.96
526-73-8	1,2,3-Trimethylbenzene	0.18	U	5.3	0.18
120-82-1	1,2,4-Trichlorobenzene	18.6		5.3	0.29
95-63-6	1,2,4-Trimethylbenzene	23.0		5.3	0.69
96-12-8	1,2-Dibromo-3-Chloropropane	23.6		11	1.4
95-50-1	1,2-Dichlorobenzene	22.0		5.3	0.38
107-06-2	1,2-Dichloroethane	21.6		5.3	0.36
78-87-5	1,2-Dichloropropane	23.4		5.3	0.73
541-73-1	1,3-Dichlorobenzene	21.7		5.3	0.37
142-28-9	1,3-Dichloropropane	24.3		5.3	0.36
106-46-7	1,4-Dichlorobenzene	21.0		5.3	0.70
594-20-7	2,2-Dichloropropane	21.4		5.3	1.0
110-75-8	2-Chloroethyl vinyl ether	44.8	J	53	1.5
95-49-8	2-Chlorotoluene	24.6		5.3	0.43
591-78-6	2-Hexanone	44.9		21	0.67
108-86-1	Bromobenzene	24.7		5.3	0.35
74-97-5	Bromochloromethane	24.0		5.3	0.75
106-43-4	4-Chlorotoluene	23.7		5.3	0.44
99-87-6	p-Isopropyltoluene	22.2		5.3	0.22
67-64-1	Acetone	37.8		21	6.7
71-43-2	Benzene	23.6		5.3	0.24
75-25-2	Bromoform	20.4		5.3	0.35
74-83-9	Bromomethane	24.6		5.3	0.57
75-15-0	Carbon disulfide	23.4		5.3	0.47
56-23-5	Carbon tetrachloride	22.3		5.3	0.39
108-90-7	Chlorobenzene	23.7		5.3	0.35
75-00-3	Chloroethane	23.3		5.3	0.91

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 MS | Lab Sample ID: 240-49010-1 MS

Matrix: Solid | Lab File ID: UX86866.D

Analysis Method: 8260C | Date Collected: 04/06/2015 15:00

Sample wt/vol: 5.08(g) | Date Analyzed: 04/08/2015 11:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 7.4 | Level: (low/med) Low

Analysis Batch No.: 175483 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	23.5		5.3	0.31
74-87-3	Chloromethane	19.4		5.3	0.44
156-59-2	cis-1,2-Dichloroethene	25.1		5.3	0.38
10061-01-5	cis-1,3-Dichloropropene	24.5		5.3	0.36
87-68-3	Hexachlorobutadiene	17.1		5.3	1.3
74-95-3	Dibromomethane	24.5		5.3	0.67
75-27-4	Bromodichloromethane	23.7		5.3	0.30
75-71-8	Dichlorodifluoromethane	14.7		5.3	0.53
100-41-4	Ethylbenzene	23.6		5.3	0.28
106-93-4	1,2-Dibromoethane	25.8		5.3	0.53
108-20-3	Diisopropyl ether	1.6	U	11	1.6
91-20-3	Naphthalene	20.8		5.3	0.20
179601-23-1	m-Xylene & p-Xylene	23.9		11	1.3
104-51-8	n-Butylbenzene	20.9		5.3	0.24
98-82-8	Isopropylbenzene	24.6		5.3	0.17
103-65-1	N-Propylbenzene	24.7		5.3	0.43
78-93-3	2-Butanone (MEK)	44.2		21	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	47.2		21	0.57
135-98-8	sec-Butylbenzene	23.6		5.3	0.19
1634-04-4	Methyl tert-butyl ether	24.0		5.3	0.46
994-05-8	Tert-amyl methyl ether	0.39	U	5.3	0.39
75-09-2	Methylene Chloride	26.4		5.3	0.71
95-47-6	o-Xylene	25.7		5.3	0.37
100-42-5	Styrene	24.0		5.3	0.16
637-92-3	Ethyl-t-butyl ether (ETBE)	0.23	U	5.3	0.23
98-06-6	tert-Butylbenzene	27.5		5.3	0.31
127-18-4	Tetrachloroethene	22.9		5.3	0.55
108-88-3	Toluene	24.2		5.3	0.29
156-60-5	trans-1,2-Dichloroethene	24.4		5.3	0.44
10061-02-6	trans-1,3-Dichloropropene	24.4		5.3	0.57
79-01-6	Trichloroethene	24.0		5.3	0.45
75-69-4	Trichlorofluoromethane	22.4		5.3	0.36
108-05-4	Vinyl acetate	0.970	J	11	0.27
75-01-4	Vinyl chloride	20.6		5.3	0.41
75-65-0	tert-Butyl alcohol (TBA)	228		210	8.1
1330-20-7	Xylenes, Total	49.6		11	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 MS Lab Sample ID: 240-49010-1 MS

Matrix: Solid Lab File ID: UX86866.D

Analysis Method: 8260C Date Collected: 04/06/2015 15:00

Sample wt/vol: 5.08(g) Date Analyzed: 04/08/2015 11:27

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 7.4 Level: (low/med) Low

Analysis Batch No.: 175483 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	24.9		5.3	0.58

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		58-123
460-00-4	4-Bromofluorobenzene (Surr)	98		52-136
2037-26-5	Toluene-d8 (Surr)	106		67-125
1868-53-7	Dibromofluoromethane (Surr)	97		37-132

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 MSD | Lab Sample ID: 240-49010-1 MSD

Matrix: Solid | Lab File ID: UX86867.D

Analysis Method: 8260C | Date Collected: 04/06/2015 15:00

Sample wt/vol: 5.21(g) | Date Analyzed: 04/08/2015 11:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 7.4 | Level: (low/med) Low

Analysis Batch No.: 175483 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	22.1		5.2	0.64
71-55-6	1,1,1-Trichloroethane	20.8		5.2	0.58
79-34-5	1,1,2,2-Tetrachloroethane	22.1		5.2	0.35
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20.8		5.2	1.3
75-34-3	1,1-Dichloroethane	21.3		5.2	0.37
75-35-4	1,1-Dichloroethene	21.2		5.2	0.54
563-58-6	1,1-Dichloropropene	22.5		5.2	0.31
87-61-6	1,2,3-Trichlorobenzene	14.2		5.2	0.39
96-18-4	1,2,3-Trichloropropane	23.7		5.2	0.93
526-73-8	1,2,3-Trimethylbenzene	0.18	U	5.2	0.18
120-82-1	1,2,4-Trichlorobenzene	15.6		5.2	0.28
95-63-6	1,2,4-Trimethylbenzene	19.4		5.2	0.67
96-12-8	1,2-Dibromo-3-Chloropropane	21.5		10	1.3
95-50-1	1,2-Dichlorobenzene	19.0		5.2	0.37
107-06-2	1,2-Dichloroethane	20.1		5.2	0.35
78-87-5	1,2-Dichloropropane	21.2		5.2	0.72
541-73-1	1,3-Dichlorobenzene	19.1		5.2	0.36
142-28-9	1,3-Dichloropropane	22.4		5.2	0.35
106-46-7	1,4-Dichlorobenzene	18.3		5.2	0.68
594-20-7	2,2-Dichloropropane	17.9		5.2	0.97
110-75-8	2-Chloroethyl vinyl ether	41.8	J	52	1.5
95-49-8	2-Chlorotoluene	21.4		5.2	0.41
591-78-6	2-Hexanone	43.3		21	0.65
108-86-1	Bromobenzene	21.0		5.2	0.34
74-97-5	Bromochloromethane	22.4		5.2	0.74
106-43-4	4-Chlorotoluene	20.9		5.2	0.42
99-87-6	p-Isopropyltoluene	18.7		5.2	0.22
67-64-1	Acetone	39.3		21	6.5
71-43-2	Benzene	21.4		5.2	0.24
75-25-2	Bromoform	18.3		5.2	0.34
74-83-9	Bromomethane	20.3		5.2	0.56
75-15-0	Carbon disulfide	21.5		5.2	0.46
56-23-5	Carbon tetrachloride	20.8		5.2	0.38
108-90-7	Chlorobenzene	21.1		5.2	0.34
75-00-3	Chloroethane	19.4		5.2	0.89

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 MSD | Lab Sample ID: 240-49010-1 MSD

Matrix: Solid | Lab File ID: UX86867.D

Analysis Method: 8260C | Date Collected: 04/06/2015 15:00

Sample wt/vol: 5.21(g) | Date Analyzed: 04/08/2015 11:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 7.4 | Level: (low/med) Low

Analysis Batch No.: 175483 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	20.9		5.2	0.30
74-87-3	Chloromethane	16.7		5.2	0.42
156-59-2	cis-1,2-Dichloroethene	22.3		5.2	0.37
10061-01-5	cis-1,3-Dichloropropene	21.9		5.2	0.35
87-68-3	Hexachlorobutadiene	13.2		5.2	1.2
74-95-3	Dibromomethane	21.8		5.2	0.65
75-27-4	Bromodichloromethane	21.9		5.2	0.29
75-71-8	Dichlorodifluoromethane	12.8		5.2	0.52
100-41-4	Ethylbenzene	20.9		5.2	0.27
106-93-4	1,2-Dibromoethane	23.6		5.2	0.52
108-20-3	Diisopropyl ether	1.6	U	10	1.6
91-20-3	Naphthalene	18.8		5.2	0.20
179601-23-1	m-Xylene & p-Xylene	21.3		10	1.2
104-51-8	n-Butylbenzene	16.8		5.2	0.24
98-82-8	Isopropylbenzene	21.4		5.2	0.17
103-65-1	N-Propylbenzene	21.4		5.2	0.41
78-93-3	2-Butanone (MEK)	42.7		21	1.5
108-10-1	4-Methyl-2-pentanone (MIBK)	45.8		21	0.56
135-98-8	sec-Butylbenzene	19.6		5.2	0.19
1634-04-4	Methyl tert-butyl ether	21.8		5.2	0.45
994-05-8	Tert-amyl methyl ether	0.38	U	5.2	0.38
75-09-2	Methylene Chloride	23.0		5.2	0.69
95-47-6	o-Xylene	21.7		5.2	0.36
100-42-5	Styrene	20.8		5.2	0.16
637-92-3	Ethyl-t-butyl ether (ETBE)	0.23	U	5.2	0.23
98-06-6	tert-Butylbenzene	21.1		5.2	0.30
127-18-4	Tetrachloroethene	19.6		5.2	0.54
108-88-3	Toluene	21.4		5.2	0.28
156-60-5	trans-1,2-Dichloroethene	22.4		5.2	0.42
10061-02-6	trans-1,3-Dichloropropene	21.9		5.2	0.56
79-01-6	Trichloroethene	21.9		5.2	0.44
75-69-4	Trichlorofluoromethane	19.6		5.2	0.35
108-05-4	Vinyl acetate	0.300	J	10	0.26
75-01-4	Vinyl chloride	18.3		5.2	0.40
75-65-0	tert-Butyl alcohol (TBA)	233		210	7.9
1330-20-7	Xylenes, Total	43.0		10	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 MSD Lab Sample ID: 240-49010-1 MSD

Matrix: Solid Lab File ID: UX86867.D

Analysis Method: 8260C Date Collected: 04/06/2015 15:00

Sample wt/vol: 5.21(g) Date Analyzed: 04/08/2015 11:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: 7.4 Level: (low/med) Low

Analysis Batch No.: 175483 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	21.2		5.2	0.57

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		58-123
460-00-4	4-Bromofluorobenzene (Surr)	91		52-136
2037-26-5	Toluene-d8 (Surr)	98		67-125
1868-53-7	Dibromofluoromethane (Surr)	93		37-132

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A3UX8 Start Date: 01/20/2015 02:25

Analysis Batch Number: 164619 End Date: 01/20/2015 06:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-164619/1		01/20/2015 02:25	1	BFB8726.D	DB-624 0.18(mm)
STDA9 240-164619/5 IC		01/20/2015 03:27	1	UX85491.D	DB-624 0.18(mm)
STDA9 240-164619/6 IC		01/20/2015 04:21	1	UX85492.D	DB-624 0.18(mm)
STDA9 240-164619/7 IC		01/20/2015 04:49	1	UX85493.D	DB-624 0.18(mm)
STDA9 240-164619/8 IC		01/20/2015 05:10	1	UX85494.D	DB-624 0.18(mm)
STDA9 240-164619/9 IC		01/20/2015 05:32	1	UX85495.D	DB-624 0.18(mm)
STDA9 240-164619/10 IC		01/20/2015 05:53	1	UX85496.D	DB-624 0.18(mm)
ICV 240-164619/11		01/20/2015 06:14	1		DB-624 0.18(mm)
ZZZZZ		01/20/2015 06:36	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A3UX8 Start Date: 03/02/2015 23:39

Analysis Batch Number: 170352 End Date: 03/03/2015 04:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-170352/1		03/02/2015 23:39	1	BFB8752.D	DB-624 0.18(mm)
STD8260 240-170352/3 IC		03/03/2015 00:12	1	UX86154.D	DB-624 0.18(mm)
STD8260 240-170352/4 IC		03/03/2015 00:34	1	UX86155.D	DB-624 0.18(mm)
STD8260 240-170352/5 IC		03/03/2015 00:55	1	UX86156.D	DB-624 0.18(mm)
ICIS 240-170352/6		03/03/2015 01:34	1	UX86157.D	DB-624 0.18(mm)
STD8260 240-170352/7 IC		03/03/2015 01:56	1	UX86158.D	DB-624 0.18(mm)
STD8260 240-170352/8 IC		03/03/2015 02:17	1	UX86159.D	DB-624 0.18(mm)
STD8260 240-170352/9 IC		03/03/2015 02:38	1	UX86160.D	DB-624 0.18(mm)
STD8260 240-170352/10 IC		03/03/2015 03:00	1	UX86161.D	DB-624 0.18(mm)
ICV 240-170352/11		03/03/2015 03:21	1	UX86162.D	DB-624 0.18(mm)
ZZZZZ		03/03/2015 03:43	1		DB-624 0.18(mm)
ZZZZZ		03/03/2015 04:04	1		DB-624 0.18(mm)
ZZZZZ		03/03/2015 04:25	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A3UX8 Start Date: 04/08/2015 01:17

Analysis Batch Number: 175483 End Date: 04/08/2015 11:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-175483/1		04/08/2015 01:17	1	BFB8781.D	DB-624 0.18(mm)
CCVIS 240-175483/4		04/08/2015 01:48	1	UX86840.D	DB-624 0.18(mm)
CCV 240-175483/5		04/08/2015 02:10	1	UX86841.D	DB-624 0.18(mm)
LCS 240-175483/6		04/08/2015 02:31	1	UX86842.D	DB-624 0.18(mm)
ZZZZZ		04/08/2015 02:52	1		DB-624 0.18(mm)
MB 240-175483/8		04/08/2015 03:14	1	UX86844.D	DB-624 0.18(mm)
ZZZZZ		04/08/2015 03:35	1		DB-624 0.18(mm)
ZZZZZ		04/08/2015 03:56	1		DB-624 0.18(mm)
ZZZZZ		04/08/2015 05:02	4		DB-624 0.18(mm)
ZZZZZ		04/08/2015 05:23	4		DB-624 0.18(mm)
ZZZZZ		04/08/2015 05:45	4		DB-624 0.18(mm)
240-49010-1	FILL-001	04/08/2015 11:06	1	UX86865.D	DB-624 0.18(mm)
240-49010-1 MS	FILL-001 MS	04/08/2015 11:27	1	UX86866.D	DB-624 0.18(mm)
240-49010-1 MSD	FILL-001 MSD	04/08/2015 11:48	1	UX86867.D	DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Batch Number: 175488 Batch Start Date: 04/08/15 05:23 Batch Analyst: Lata, Todd

Batch Method: 5030C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
240-49010-B-1	FILL-001	5030C, 8260C	T	5.14 g	5 mL				
240-49010-B-1 MS	FILL-001	5030C, 8260C	T	5.08 g	5 mL				
240-49010-B-1 MSD	FILL-001	5030C, 8260C	T	5.21 g	5 mL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8270D

Semivolatile Organic Compounds (GC/MS) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5SILMS ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
FILL-001	240-49010-1	66	73	63	77	36	77
	MB 240-175545/18-A	77	81	75	82	42	78
	LCS 240-175545/19-A	83	85	83	82	72	76

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	24-110
PHL = Phenol-d5 (Surr)	26-110
NBZ = Nitrobenzene-d5 (Surr)	20-110
FBP = 2-Fluorobiphenyl (Surr)	24-110
TBP = 2,4,6-Tribromophenol (Surr)	10-110
TPH = Terphenyl-d14 (Surr)	36-110

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 50410006.D

Lab ID: LCS 240-175545/19-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	667	532	80	35-110	
1,4-Dioxane	667	336	50	10-110	
2,4,6-Trichlorophenol	667	491	74	12-110	
2,4,5-Trichlorophenol	667	479	72	25-110	
2,4-Dichlorophenol	667	557	83	39-110	
2,4-Dimethylphenol	667	427	64	29-110	
2,4-Dinitrophenol	1330	577	43	10-110	
2,4-Dinitrotoluene	667	584	88	48-110	
2-Chloronaphthalene	667	551	83	32-110	
2-Chlorophenol	667	546	82	37-110	
2-Methylnaphthalene	667	539	81	36-110	
2-Methylphenol	667	515	77	41-110	
2-Nitroaniline	667	560	84	45-110	
2-Nitrophenol	667	570	85	34-110	
3 & 4 Methylphenol	667	544	82	40-110	
3,3'-Dichlorobenzidine	1330	1040	78	28-110	
3-Nitroaniline	667	563	84	44-110	
4,6-Dinitro-2-methylphenol	1330	811	61	10-110	
4-Bromophenyl phenyl ether	667	566	85	39-110	
4-Chloro-3-methylphenol	667	552	83	48-110	
4-Chloroaniline	667	489	73	30-110	
4-Chlorophenyl phenyl ether	667	541	81	40-110	
4-Nitroaniline	667	560	84	48-110	
Acenaphthene	667	529	79	38-110	
Acenaphthylene	667	509	76	40-110	
Acetophenone	667	545	82	40-110	
Anthracene	667	525	79	48-110	
Atrazine	1330	1060	80	66-127	
Benzaldehyde	1330	1290	97	32-110	
Benzo[a]anthracene	667	527	79	50-110	
Benzo[a]pyrene	667	533	80	44-110	
Benzo[b]fluoranthene	667	521	78	43-110	
Benzo[g,h,i]perylene	667	625	94	51-110	
Benzo[k]fluoranthene	667	573	86	38-105	
Bis(2-chloroethoxy)methane	667	557	83	32-110	
Bis(2-chloroethyl)ether	667	540	81	34-110	
Bis(2-ethylhexyl) phthalate	667	576	86	50-110	
Butyl benzyl phthalate	667	524	79	51-110	
Caprolactam	1330	1230	92	44-114	
Carbazole	667	549	82	50-110	
Chrysene	667	568	85	50-110	
Di-n-butyl phthalate	667	584	88	51-110	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 50410006.D

Lab ID: LCS 240-175545/19-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Di-n-octyl phthalate	667	524	79	48-110	
Dibenz(a,h)anthracene	667	593	89	51-110	
Dibenzofuran	667	540	81	43-110	
Diethyl phthalate	667	543	81	52-110	
Dimethyl phthalate	667	557	84	50-110	
Fluoranthene	667	561	84	51-110	
Fluorene	667	512	77	46-110	
Hexachlorobenzene	667	535	80	43-110	
Hexachlorobutadiene	667	580	87	29-110	
Hexachlorocyclopentadiene	667	379	57	12-110	
Hexachloroethane	667	533	80	30-110	
Indeno[1,2,3-cd]pyrene	667	602	90	50-110	
Isophorone	667	545	82	36-110	
N-Nitrosodi-n-propylamine	667	563	84	38-110	
N-Nitrosodimethylamine	667	536	80	31-110	
N-Nitrosodiphenylamine	1330	1000	75	46-110	
Naphthalene	667	527	79	36-110	
Nitrobenzene	667	560	84	32-110	
Pentachlorophenol	1330	755	57	10-110	
Phenanthrene	667	522	78	49-110	
Phenol	667	559	84	38-110	
Pyrene	667	549	82	49-110	
2,2'-oxybis[1-chloropropane]	667	491	74	29-110	
2,6-Dinitrotoluene	667	584	88	45-110	
4-Nitrophenol	1330	1140	86	28-110	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab File ID: 50410005.D Lab Sample ID: MB 240-175545/18-A

Matrix: Solid Date Extracted: 04/08/2015 09:16

Instrument ID: A4HP9 Date Analyzed: 04/10/2015 09:27

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-175545/19-A	50410006.D	04/10/2015 09:52
FILL-001	240-49010-1	50410023.D	04/10/2015 16:57

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab File ID: 50325001.D DFTPP Injection Date: 03/25/2015

Instrument ID: A4HP9 DFTPP Injection Time: 09:02

Analysis Batch No.: 173591

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	45.9	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	70.0	
70	Less than 2.0% of mass 69	0.3	(0.4)1
127	25.0 - 75.0% of mass 198	54.7	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.1	
275	10.0- 30.0% of mass 198	21.6	
365	Greater than 0.75% of mass 198	2.5	
441	Present, but less than mass 443	8.9	
442	40.0 - 110.0% of mass 198	54.8	
443	15.0 - 24.0% of mass 442	10.1	(18.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 240-173591/2	50325002.D	03/25/2015	09:23
	STD4 240-173591/3	50325003.D	03/25/2015	09:48
	STD3 240-173591/4	50325004.D	03/25/2015	10:13
	STD2 240-173591/5	50325005.D	03/25/2015	10:38
	STD1 240-173591/6	50325006.D	03/25/2015	11:04
	STD9 240-173591/7	50325007.D	03/25/2015	11:29
	STD8 240-173591/8	50325008.D	03/25/2015	11:54
	STD7 240-173591/9	50325009.D	03/25/2015	12:20
	STD6 240-173591/10	50325010.D	03/25/2015	12:45
	ICV 240-173591/11	50325011.D	03/25/2015	14:02

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab File ID: 50410001.D DFTPP Injection Date: 04/10/2015

Instrument ID: A4HP9 DFTPP Injection Time: 07:50

Analysis Batch No.: 175891

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	42.1	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	65.3	
70	Less than 2.0% of mass 69	0.3	(0.4)1
127	25.0 - 75.0% of mass 198	51.0	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.5	
275	10.0- 30.0% of mass 198	22.4	
365	Greater than 0.75% of mass 198	2.9	
441	Present, but less than mass 443	8.8	
442	40.0 - 110.0% of mass 198	53.0	
443	15.0 - 24.0% of mass 442	9.8	(18.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-175891/2	50410002.D	04/10/2015	08:11
	MB 240-175545/18-A	50410005.D	04/10/2015	09:27
	LCS 240-175545/19-A	50410006.D	04/10/2015	09:52
FILL-001	240-49010-1	50410023.D	04/10/2015	16:57

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Sample No.: STD6 240-173591/10 Date Analyzed: 03/25/2015 12:45

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 50325010.D Heated Purge: (Y/N) N

Calibration ID: 27496

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		214653	6.48	812085	7.60	471347	9.10
UPPER LIMIT		429306	6.98	1624170	8.10	942694	9.60
LOWER LIMIT		107327	5.98	406043	7.10	235674	8.60
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-173591/11		173392	6.48	640286	7.60	379871	9.10
CCV 240-175891/2 CCVIS		150990	6.37	572668	7.49	345984	8.99

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Sample No.: STD6 240-173591/10 Date Analyzed: 03/25/2015 12:45

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 50325010.D Heated Purge: (Y/N) N

Calibration ID: 27496

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		753131	10.38	942919	12.71	762370	14.58
UPPER LIMIT		1506262	10.88	1885838	13.21	1524740	15.08
LOWER LIMIT		376566	9.88	471460	12.21	381185	14.08
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-173591/11		604730	10.38	738629	12.71	615553	14.58
CCV 240-175891/2 CCVIS		623411	10.25	732503	12.53	640863	14.30

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Sample No.: CCV 240-175891/2 Date Analyzed: 04/10/2015 08:11

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 50410002.D Heated Purge: (Y/N) N

Calibration ID: 27562

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		150990	6.37	572668	7.49	345984	8.99
UPPER LIMIT		301980	6.87	1145336	7.99	691968	9.49
LOWER LIMIT		75495	5.87	286334	6.99	172992	8.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 240-175545/18-A		123307	6.37	484945	7.48	294731	8.98
LCS 240-175545/19-A		124540	6.37	486138	7.48	291523	8.99
240-49010-1	FILL-001	132995	6.37	497933	7.48	299404	8.98

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Sample No.: CCV 240-175891/2 Date Analyzed: 04/10/2015 08:11

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm)

Lab File ID (Standard): 50410002.D Heated Purge: (Y/N) N

Calibration ID: 27562

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		623411	10.25	732503	12.53	640863	14.30
UPPER LIMIT		1246822	10.75	1465006	13.03	1281726	14.80
LOWER LIMIT		311706	9.75	366252	12.03	320432	13.80
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 240-175545/18-A		554973	10.25	658933	12.53	544686	14.30
LCS 240-175545/19-A		546035	10.25	644599	12.53	565614	14.30
240-49010-1	FILL-001	561591	10.25	668046	12.53	555550	14.29

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 | Lab Sample ID: 240-49010-1

Matrix: Solid | Lab File ID: 50410023.D

Analysis Method: 8270D | Date Collected: 04/06/2015 15:00

Extract. Method: 3540C | Date Extracted: 04/08/2015 09:16

Sample wt/vol: 29.69(g) | Date Analyzed: 04/10/2015 16:57

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175891 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	3.8	U	55	3.8
123-91-1	1,4-Dioxane	24	U	110	24
88-06-2	2,4,6-Trichlorophenol	9.7	U	160	9.7
95-95-4	2,4,5-Trichlorophenol	27	U	160	27
120-83-2	2,4-Dichlorophenol	22	U	160	22
105-67-9	2,4-Dimethylphenol	22	U	160	22
51-28-5	2,4-Dinitrophenol	23	U	360	23
121-14-2	2,4-Dinitrotoluene	19	U	220	19
91-58-7	2-Chloronaphthalene	0.49	U	55	0.49
95-57-8	2-Chlorophenol	8.9	U	55	8.9
91-57-6	2-Methylnaphthalene	0.55	U	7.3	0.55
95-48-7	2-Methylphenol	12	U	220	12
88-74-4	2-Nitroaniline	9.9	U	220	9.9
88-75-5	2-Nitrophenol	9.1	U	55	9.1
15831-10-4	3 & 4 Methylphenol	22	U	440	22
91-94-1	3,3'-Dichlorobenzidine	20	U	110	20
99-09-2	3-Nitroaniline	17	U	220	17
534-52-1	4,6-Dinitro-2-methylphenol	10	U	160	10
101-55-3	4-Bromophenyl phenyl ether	14	U	55	14
59-50-7	4-Chloro-3-methylphenol	23	U	160	23
106-47-8	4-Chloroaniline	19	U	160	19
7005-72-3	4-Chlorophenyl phenyl ether	14	U	55	14
100-01-6	4-Nitroaniline	28	U	220	28
83-32-9	Acenaphthene	0.83	U	7.3	0.83
208-96-8	Acenaphthylene	0.38	U	7.3	0.38
98-86-2	Acetophenone	10	U	110	10
120-12-7	Anthracene	3.9	J	7.3	0.85
1912-24-9	Atrazine	9.9	U	220	9.9
100-52-7	Benzaldehyde	13	U	110	13
56-55-3	Benzo[a]anthracene	8.0		7.3	0.69
50-32-8	Benzo[a]pyrene	7.7		7.3	0.70
205-99-2	Benzo[b]fluoranthene	8.9		7.3	0.64
191-24-2	Benzo[g,h,i]perylene	0.38	U	7.3	0.38
207-08-9	Benzo[k]fluoranthene	4.2	J	7.3	0.74

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 | Lab Sample ID: 240-49010-1

Matrix: Solid | Lab File ID: 50410023.D

Analysis Method: 8270D | Date Collected: 04/06/2015 15:00

Extract. Method: 3540C | Date Extracted: 04/08/2015 09:16

Sample wt/vol: 29.69(g) | Date Analyzed: 04/10/2015 16:57

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175891 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
111-91-1	Bis(2-chloroethoxy)methane	24	U	110	24
111-44-4	Bis(2-chloroethyl)ether	2.2	U	110	2.2
117-81-7	Bis(2-ethylhexyl) phthalate	24	J B	76	21
85-68-7	Butyl benzyl phthalate	11	U	76	11
105-60-2	Caprolactam	40	U	360	40
86-74-8	Carbazole	29	U	55	29
218-01-9	Chrysene	9.3		7.3	1.2
84-74-2	Di-n-butyl phthalate	16	U	76	16
117-84-0	Di-n-octyl phthalate	8.6	U	76	8.6
53-70-3	Dibenz(a,h)anthracene	0.72	U	7.3	0.72
132-64-9	Dibenzofuran	0.72	U	55	0.72
84-66-2	Diethyl phthalate	17	U	76	17
131-11-3	Dimethyl phthalate	19	U	76	19
206-44-0	Fluoranthene	16		7.3	0.60
86-73-7	Fluorene	0.58	U	7.3	0.58
118-74-1	Hexachlorobenzene	2.3	U	7.3	2.3
87-68-3	Hexachlorobutadiene	6.1	U	55	6.1
77-47-4	Hexachlorocyclopentadiene	8.8	U	360	8.8
67-72-1	Hexachloroethane	9.8	U	55	9.8
193-39-5	Indeno[1,2,3-cd]pyrene	0.38	U	7.3	0.38
78-59-1	Isophorone	14	U	55	14
621-64-7	N-Nitrosodi-n-propylamine	6.9	U	55	6.9
62-75-9	N-Nitrosodimethylamine	17	U	110	17
86-30-6	N-Nitrosodiphenylamine	23	U	55	23
91-20-3	Naphthalene	0.89	U	7.3	0.89
98-95-3	Nitrobenzene	2.4	U	110	2.4
87-86-5	Pentachlorophenol	9.9	U	160	9.9
85-01-8	Phenanthrene	11		7.3	0.80
108-95-2	Phenol	8.0	U	55	8.0
129-00-0	Pyrene	15		7.3	0.48
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	110	10
606-20-2	2,6-Dinitrotoluene	23	U	220	23
100-02-7	4-Nitrophenol	19	U	360	19

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 | Lab Sample ID: 240-49010-1

Matrix: Solid | Lab File ID: 50410023.D

Analysis Method: 8270D | Date Collected: 04/06/2015 15:00

Extract. Method: 3540C | Date Extracted: 04/08/2015 09:16

Sample wt/vol: 29.69(g) | Date Analyzed: 04/10/2015 16:57

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175891 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	77		36-110
4165-62-2	Phenol-d5 (Surr)	73		26-110
4165-60-0	Nitrobenzene-d5 (Surr)	63		20-110
367-12-4	2-Fluorophenol (Surr)	66		24-110
321-60-8	2-Fluorobiphenyl (Surr)	77		24-110
118-79-6	2,4,6-Tribromophenol (Surr)	36		10-110

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 173591

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2015 09:23 Calibration End Date: 03/25/2015 12:45 Calibration ID: 27496

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-173591/6	50325006.D
Level 2	STD2 240-173591/5	50325005.D
Level 3	STD3 240-173591/4	50325004.D
Level 4	STD4 240-173591/3	50325003.D
Level 5	STD5 240-173591/2	50325002.D
Level 6	STD6 240-173591/10	50325010.D
Level 7	STD7 240-173591/9	50325009.D
Level 8	STD8 240-173591/8	50325008.D
Level 9	STD9 240-173591/7	50325007.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.7805	0.6294 0.8001	0.7589 0.7987	0.7869 0.8453	0.8329	Ave		0.7791				8.5		20.0			
N-Nitrosodimethylamine	1.3439	1.3034 1.3956	1.3219 1.3941	1.3416 1.4398	1.4638	Ave		1.3755				4.2		20.0			
Pyridine	2.2675	2.0308 2.3390	2.0098 2.2991	2.0028 2.3548	2.2331	Ave		2.1921				6.9		20.0			
Benzaldehyde	1.4007	1.7348 1.6062	1.8516 1.5025	1.7824 1.4172	1.7220	Ave		1.6272			0.0100	10.6		20.0			
Phenol	2.3776	2.5038 2.4406	2.5241 2.4239	2.4379 2.4089	2.5132	Ave		2.4538			0.8000	2.2		20.0			
Aniline	2.9590	2.9553 3.0367	3.0996 3.0210	2.9196 3.0266	3.0466	Ave		3.0080				2.0		20.0			
Bis(2-chloroethyl)ether	2.0543	1.9710 2.0471	2.0882 2.0361	2.0202 2.0442	2.0901	Ave		2.0439			0.7000	1.9		20.0			
2-Chlorophenol	1.3709	1.3176 1.3879	1.4011 1.3957	1.3547 1.4028	1.4086	Ave		1.3799			0.8000	2.2		20.0			
n-Decane	1.8424	1.8138 1.8600	1.8510 1.8425	1.8204 1.8567	1.9218	Ave		1.8511				1.8		20.0			
1,3-Dichlorobenzene	1.4810	1.4773 1.4839	1.5487 1.4882	1.4895 1.4927	1.4969	Ave		1.4948				1.5		20.0			
1,4-Dichlorobenzene	1.5024	1.6042 1.5292	1.5803 1.5178	1.4972 1.5101	1.5249	Ave		1.5333				2.5		20.0			
Benzyl alcohol	1.1126	1.1537 1.1564	1.1265 1.1366	1.1182 1.1549	1.1526	Ave		1.1389				1.6		20.0			
1,2-Dichlorobenzene	1.4199	1.4578 1.4383	1.4475 1.4405	1.4475 1.4374	1.4335	Ave		1.4403				0.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 173591

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2015 09:23 Calibration End Date: 03/25/2015 12:45 Calibration ID: 27496

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Methylphenol	1.5800	1.7296 1.6157	1.6763 1.6136	1.6254 1.6129	1.6415	Ave		1.6369			0.7000	2.8		20.0			
2,2'-oxybis[1-chloropropane]	1.7134	1.7861 1.7674	1.8110 1.7558	1.7744 1.7682	1.7888	Ave		1.7706				1.6		20.0			
Indene	2.8219	2.9147 2.8375	2.9763 2.7425	2.8318 2.6784	2.9697	Ave		2.8466				3.7		20.0			
3 & 4 Methylphenol	1.6573	1.6346 1.7185	1.7268 1.6889	1.7230 1.7085	1.7058	Ave		1.6954				2.0		20.0			
N-Nitrosodi-n-propylamine	1.6844	1.7217 1.7656	1.8290 1.7285	1.7039 1.7252	1.8174	Ave		1.7469			0.5000	3.0		20.0			
Acetophenone	2.4163	2.6693 2.4746	2.5953 2.4462	2.4614 2.4569	2.4655	Ave		2.4982			0.0100	3.5		20.0			
Hexachloroethane	0.7374	0.7846 0.7474	0.7616 0.7411	0.7141 0.7461	0.7629	Ave		0.7494			0.3000	2.8		20.0			
Nitrobenzene	0.6344	0.6627 0.6560	0.7068 0.6387	0.6191 0.6442	0.6813	Ave		0.6554			0.2000	4.3		20.0			
Isophorone	1.1237	1.1222 1.1533	1.1937 1.1121	1.0834 1.1051	1.2021	Ave		1.1370			0.4000	3.7		20.0			
2-Nitrophenol	0.1799	0.1534 0.1808	0.1773 0.1792	0.1703 0.1797	0.1817	Ave		0.1753			0.1000	5.4		20.0			
2,4-Dimethylphenol	0.4718	0.5016 0.4793	0.5263 0.4634	0.4869 0.4614	0.5160	Ave		0.4883			0.2000	4.9		20.0			
Benzoic acid	0.1873	+++++ 0.2092	0.0836 0.2125	0.1136 0.2158	0.1630	Lin1	-0.348	0.2179							0.9970		0.9900
Bis(2-chloroethoxy)methane	0.5737	0.6218 0.5934	0.6142 0.5797	0.5811 0.5790	0.6108	Ave		0.5942			0.3000	3.2		20.0			
2,4-Dichlorophenol	0.2812	0.2827 0.2952	0.2902 0.2886	0.2756 0.2846	0.2956	Ave		0.2867			0.2000	2.4		20.0			
1,2,4-Trichlorobenzene	0.3031	0.3302 0.3126	0.3152 0.3023	0.3052 0.3104	0.3073	Ave		0.3108				2.9		20.0			
Naphthalene	1.1045 1.0381	1.1417 1.0815	1.1219 1.0221	1.0393 1.0129	1.0903	Ave		1.0725			0.7000	4.3		20.0			
4-Chloroaniline	0.4595	0.4833 0.4985	0.4946 0.4787	0.4399 0.4639	0.4780	Ave		0.4745			0.0100	4.1		20.0			
2,6-Dichlorophenol	0.2764	0.2810 0.2881	0.2957 0.2793	0.2815 0.2817	0.2894	Ave		0.2841				2.2		20.0			
Hexachlorobutadiene	0.1992	0.2171 0.2053	0.2168 0.1951	0.1986 0.1992	0.2103	Ave		0.2052			0.0100	4.2		20.0			
Caprolactam	0.1261	0.1148 0.1327	0.1316 0.1295	0.1220 0.1266	0.1235	Ave		0.1258			0.0100	4.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 173591

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2015 09:23 Calibration End Date: 03/25/2015 12:45 Calibration ID: 27496

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.4088	0.4144 0.4266	0.4347 0.4115	0.3999 0.4151	0.4331	Ave		0.4180			0.2000	2.9		20.0			
2-Methylnaphthalene	0.7215 0.6534	0.6850 0.6766	0.6982 0.6604	0.6448 0.6671	0.6648	Ave		0.6746			0.4000	3.5		20.0			
1-Methylnaphthalene	0.6040 0.5666	0.6166 0.5884	0.5927 0.5748	0.5603 0.5840	0.5918	Ave		0.5866				3.0		20.0			
Hexachlorocyclopentadiene	0.3345	0.2905 0.3498	0.3400 0.3606	0.3033 0.3689	0.3550	Ave		0.3378			0.0500	8.2		20.0			
1,2,4,5-Tetrachlorobenzene	0.5400	0.5734 0.5405	0.6059 0.5314	0.5246 0.5402	0.5633	Ave		0.5524			0.0100	4.9		20.0			
2,4,6-Trichlorophenol	0.3659	0.3810 0.3749	0.3732 0.3679	0.3686 0.3754	0.3500	Ave		0.3696			0.2000	2.5		20.0			
2,4,5-Trichlorophenol	0.3849	0.3770 0.3789	0.4194 0.3830	0.3792 0.3825	0.3800	Ave		0.3856			0.2000	3.6		20.0			
1,1'-Biphenyl	1.5057 1.3654	1.4208 1.3589	1.4463 1.3420	1.3367 1.3720	1.3613	Ave		1.3899			0.0100	4.1		20.0			
2-Chloronaphthalene	1.1730 1.0665	1.0915 1.0686	1.1210 1.0737	1.0538 1.0766	1.0678	Ave		1.0880			0.8000	3.4		20.0			
2-Nitroaniline	0.5781	0.5716 0.5739	0.5644 0.5765	0.5608 0.5804	0.6212	Ave		0.5784			0.0100	3.2		20.0			
Dimethyl phthalate	1.2330	1.3456 1.1993	1.3187 1.1780	1.2122 1.1904	1.2491	Ave		1.2408			0.0100	4.9		20.0			
1,3-Dinitrobenzene	0.2021	0.1612 0.2004	0.1863 0.2021	0.1891 0.2075	0.2103	Ave		0.1949				8.2		20.0			
2,6-Dinitrotoluene	0.2886	0.2387 0.2819	0.2990 0.2733	0.2777 0.2797	0.2918	Ave		0.2788				6.5		20.0			
Acenaphthylene	1.7423 1.7175	1.7738 1.7320	1.8142 1.7247	1.6815 1.7196	1.7220	Ave		1.7364			0.9000	2.2		20.0			
3-Nitroaniline	0.2845	0.2970 0.2927	0.3018 0.2975	0.3054 0.3011	0.3126	Ave		0.2991			0.0100	2.8		20.0			
2,4-Dinitrophenol	0.1405	+++++ 0.1645	0.0628 0.1786	0.0838 0.1859	0.1395	Lin1	-0.321	0.1813			0.0100				0.9930		0.9900
Acenaphthene	1.2875 1.0727	1.1517 1.0619	1.2026 1.0744	1.0628 1.0760	1.1036	Ave		1.1215			0.9000	7.0		20.0			
4-Nitrophenol	0.2625	0.2314 0.2654	0.2412 0.2622	0.2316 0.2590	0.2618	Ave		0.2519				5.8		20.0			
2,4-Dinitrotoluene	0.3706	0.3467 0.3822	0.3914 0.3917	0.3480 0.3935	0.3831	Ave		0.3759			0.2000	5.1		20.0			
Dibenzofuran	1.6451 1.4924	1.5271 1.5036	1.6204 1.4999	1.4625 1.4807	1.5291	Ave		1.5290			0.8000	4.1		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 173591

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2015 09:23 Calibration End Date: 03/25/2015 12:45 Calibration ID: 27496

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,3,4,6-Tetrachlorophenol	0.3036	0.2726 0.2974	0.2942 0.3053	0.2950 0.3083	0.3094	Ave		0.2982			0.0100	4.0		20.0			
Hexadecane	0.9446	1.0619 0.9432	1.0501 0.9135	0.9692 0.9015	1.0239	Ave		0.9760				6.3		20.0			
Diethyl phthalate	1.1119	1.4219 1.1477	1.3690 1.1823	1.2620 1.2079	1.2303	Ave		1.2416			0.0100	8.6		20.0			
4-Chlorophenyl phenyl ether	0.6220	0.6678 0.6158	0.6648 0.6111	0.6223 0.6033	0.6354	Ave		0.6303			0.4000	3.8		20.0			
4-Nitroaniline	0.3078	0.3021 0.3109	0.3165 0.2972	0.2524 0.2949	0.2668	Ave		0.2936			0.0100	7.6		20.0			
Fluorene	1.2920 1.2542	1.4036 1.2420	1.3739 1.2367	1.2716 1.2143	1.2800	Ave		1.2854			0.9000	4.9		20.0			
4,6-Dinitro-2-methylphenol	0.1312	+++++ 0.1387	0.0763 0.1329	0.0757 0.1343	0.1207	Lin1	-0.164	0.1387			0.0100				0.9980		0.9900
N-Nitrosodiphenylamine	0.5551	0.5365 0.5227	0.6119 0.5074	0.5348 0.5030	0.6198	Ave		0.5489			0.0100	8.1		20.0			
1,2-Diphenylhydrazine(as Azobenzene)	1.3371	1.1963 1.2380	1.2442 1.1024	1.1401 1.0599	1.4318	Ave		1.2181				10.1		20.0			
Azobenzene	1.3357	1.1983 1.2380	1.2374 1.1023	1.1413 1.0597	1.4318	Ave		1.2181				10.1		20.0			
4-Bromophenyl phenyl ether	0.2099	0.1953 0.1895	0.2235 0.1762	0.1839 0.1761	0.2146	Ave		0.1961			0.1000	9.2		20.0			
Atrazine	0.2105	0.2161 0.1956	0.2032 0.1910	0.1856 0.1902	0.2282	Ave		0.2026			0.0100	7.3		20.0			
Hexachlorobenzene	0.2053 0.1884	0.1878 0.1779	0.1926 0.1694	0.1746 0.1680	0.1981	Ave		0.1847			0.1000	7.0		20.0			
n-Octadecane	0.5572	0.5797 0.5119	0.5944 0.4629	0.5358 0.4476	0.6588	Ave		0.5436				12.8		20.0			
Pentachlorophenol	0.1304	0.0830 0.1380	0.0976 0.1319	0.1023 0.1306	0.1269	Ave		0.1176			0.0500	17.2		20.0			
Phenanthrene	1.1900 1.0388	1.0771 1.0411	1.0986 1.0034	0.9831 0.9981	1.0454	Ave		1.0528			0.7000	6.0		20.0			
Anthracene	1.2224 1.0494	1.0566 1.0680	1.1180 1.0297	0.9905 1.0208	1.0802	Ave		1.0706			0.7000	6.3		20.0			
Carbazole	1.0362	0.9995 0.9730	0.9420 0.8938	0.8433 0.8774	0.9437	Ave		0.9386			0.0100	6.9		20.0			
Di-n-butyl phthalate	1.2681	1.0246 1.2254	1.0082 1.1624	0.9763 1.1315	1.2701	Ave		1.1333			0.0100	10.5		20.0			
Fluoranthene	1.3222 1.2807	1.1568 1.2300	1.0583 1.1557	0.9906 1.1257	1.1983	Ave		1.1687			0.6000	8.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 173591

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2015 09:23 Calibration End Date: 03/25/2015 12:45 Calibration ID: 27496

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.5409	0.3084 0.6022	0.4344 0.5758	0.3739 0.5633	0.5008	Lin1	-0.364	0.5775							0.9970		0.9900
Pyrene	1.2363 1.0607	1.0684 1.0603	0.9828 1.0731	0.9649 1.0779	0.9924	Ave		1.0574			0.6000	7.6		20.0			
Butyl benzyl phthalate	0.4891	0.5133 0.5006	0.5209 0.4999	0.4911 0.5078	0.4592	Ave		0.4977			0.0100	3.8		20.0			
Bis(2-ethylhexyl) phthalate	0.6722	0.6862 0.6732	0.7174 0.6752	0.6735 0.6754	0.7161	Ave		0.6862			0.0100	2.8		20.0			
3,3'-Dichlorobenzidine	0.3360	0.3143 0.3531	0.3540 0.3548	0.3176 0.3563	0.3525	Ave		0.3423			0.0100	5.1		20.0			
Benzo[a]anthracene	1.3161 1.0674	1.0833 1.0853	1.1325 1.0916	1.0241 1.0824	1.1052	Ave		1.1098			0.8000	7.4		20.0			
Chrysene	1.1606 1.0078	1.0111 1.0048	1.0303 0.9987	0.9478 1.0061	1.0145	Ave		1.0202			0.7000	5.6		20.0			
Di-n-octyl phthalate	1.4554	1.2160 1.4975	1.4784 1.4537	1.4434 1.4961	1.4530	Ave		1.4367			0.0100	6.4		20.0			
Benzo[b]fluoranthene	1.2945 1.1603	1.0734 1.2071	1.1573 1.2178	1.0933 1.1884	1.1742	Ave		1.1740			0.7000	5.6		20.0			
Benzo[k]fluoranthene	1.2491 1.2357	1.2284 1.2477	1.2293 1.1697	1.1563 1.2858	1.1543	Ave		1.2174			0.7000	3.8		20.0			
Benzo[a]pyrene	1.2007 1.1408	1.0756 1.1803	1.1035 1.1398	1.0604 1.1751	1.1401	Ave		1.1351			0.7000	4.2		20.0			
Indeno[1,2,3-cd]pyrene	0.9678 1.0562	0.9557 1.0488	1.0322 1.0249	1.0265 1.0351	1.0540	Ave		1.0224			0.5000	3.6		20.0			
Dibenz(a,h)anthracene	0.8425 0.8750	0.7726 0.8750	0.8246 0.8442	0.8036 0.8612	0.8414	Ave		0.8378			0.4000	4.0		20.0			
Benzo[g,h,i]perylene	0.8549 0.8452	0.8266 0.8158	0.8609 0.7978	0.8728 0.7990	0.8442	Ave		0.8352			0.5000	3.2		20.0			
2-Fluorophenol (Surr)	1.5377	1.5976 1.5438	1.5570 1.5531	1.4857 1.5729	1.5534	Ave		1.5502				2.1		20.0			
Phenol-d5 (Surr)	2.1673	2.1559 2.2351	2.3028 2.2101	2.0965 2.2101	2.2920	Ave		2.2087				3.1		20.0			
Nitrobenzene-d5 (Surr)	0.8063 0.6914	0.6859 0.7119	0.7197 0.6858	0.6679 0.6945	0.7537	Ave		0.7130				6.0		20.0			
2-Fluorobiphenyl (Surr)	1.5041 1.2837	1.3070 1.2887	1.4180 1.2798	1.2512 1.2763	1.2917	Ave		1.3223				6.3		20.0			
2,4,6-Tribromophenol (Surr)	0.1327	0.1302 0.1342	0.1549 0.1423	0.1303 0.1439	0.1356	Ave		0.1380				6.2		20.0			
Terphenyl-d14 (Surr)	1.0120 0.7699	0.7733 0.7785	0.8082 0.7849	0.7685 0.7922	0.7229	Ave		0.8012				10.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 173591

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2015 09:23 Calibration End Date: 03/25/2015 12:45 Calibration ID: 27496

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-173591/6	50325006.D
Level 2	STD2 240-173591/5	50325005.D
Level 3	STD3 240-173591/4	50325004.D
Level 4	STD4 240-173591/3	50325003.D
Level 5	STD5 240-173591/2	50325002.D
Level 6	STD6 240-173591/10	50325010.D
Level 7	STD7 240-173591/9	50325009.D
Level 8	STD8 240-173591/8	50325008.D
Level 9	STD9 240-173591/7	50325007.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	418824	14747 640794	33723 853106	62426 1071216	147431	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCB	Ave	721156	30538 1117831	58740 1489104	106440 1824745	259107	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCB	Ave	1216826	47581 1873385	89308 2455735	158891 2984242	395275	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzaldehyde	DCB	Ave	1503322	81291 2573008	164554 3209630	282820 3592104	609614	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenol	DCB	Ave	1275905	58664 1954769	112159 2589003	193413 3052838	444861	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCB	Ave	1587871	69242 2432181	137732 3226757	231629 3835744	539268	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCB	Ave	1102407	46181 1639639	92788 2174802	160274 2590656	369970	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCB	Ave	735657	30871 1111642	62260 1490797	107479 1777808	249330	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
n-Decane	DCB	Ave	988665	42496 1489781	82251 1968001	144425 2353015	340178	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCB	Ave	794771	34612 1188516	68816 1589560	118172 1891797	264971	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,4-Dichlorobenzene	DCB	Ave	806252	37586 1224833	70222 1621202	118782 1913803	269915	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzyl alcohol	DCB	Ave	597050	27032 926181	50055 1213992	88709 1463611	204021	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dichlorobenzene	DCB	Ave	761944	34156 1151993	64318 1538649	114838 1821706	253747	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCB	Ave	847888	40525 1294070	74488 1723492	128948 2044006	290556	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 173591

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2015 09:23 Calibration End Date: 03/25/2015 12:45 Calibration ID: 27496

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,2'-oxybis[1-chloropropane]	DCB	Ave	919455	41849 1415613	80472 1875443	140770 2240843	316638	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indene	DCB	Ave	3028677	136583 4545396	264507 5858582	449319 6788708	1051322	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
3 & 4 Methylphenol	DCB	Ave	889352	38299 1376412	76732 1803911	136697 2165230	301946	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodi-n-propylamine	DCB	Ave	903905	40339 1414106	81272 1846232	135177 2186362	321697	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acetophenone	DCB	Ave	1296653	62542 1981970	115323 2612875	195279 3113638	436416	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachloroethane	DCB	Ave	395723	18382 598584	33842 791597	56656 945581	135045	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene	NPT	Ave	1287917	58385 1996604	117600 2644634	191109 3147448	450352	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Isophorone	NPT	Ave	2281437	98865 3510341	198624 4605211	334417 5399478	794654	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitrophenol	NPT	Ave	365297	13512 550276	29499 742073	52574 877990	120132	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dimethylphenol	NPT	Ave	957779	44192 1458742	87573 1919028	150296 2254526	341091	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzoic acid	NPT	Lin1	760391	+++++ 1273201	27824 1759597	70119 2108821	215508	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	1164695	54779 1806164	102193 2400643	179371 2829071	403794	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dichlorophenol	NPT	Ave	570976	24903 898631	48286 1195145	85086 1390764	195415	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	615410	29086 951440	52439 1251750	94221 1516469	203120	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Naphthalene	NPT	Ave	19717 2107585	100577 3291872	186662 4232597	320807 4949248	720724	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloroaniline	NPT	Ave	932817	42580 1517270	82292 1982125	135798 2266506	315982	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dichlorophenol	NPT	Ave	561247	24759 876818	49204 1156556	86880 1376346	191308	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobutadiene	NPT	Ave	404500	19124 624754	36065 807762	61317 973383	139014	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Caprolactam	NPT	Ave	512132	20222 807781	43779 1072275	75329 1237244	163251	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
4-Chloro-3-methylphenol	NPT	Ave	829926	36508 1298350	72328 1704008	123428 2028301	286288	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylnaphthalene	NPT	Ave	12880 1326539	60345 2059372	116166 2734651	199029 3259681	439474	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 173591

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2015 09:23 Calibration End Date: 03/25/2015 12:45 Calibration ID: 27496

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1-Methylnaphthalene	NPT	Ave	10783 1150306	54317 1791014	98621 2380263	172962 2853448	391189	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	 394191	14853 642030	32995 882202	54350 1063952	138635	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	 636365	29318 991961	58800 1300105	94014 1558023	220001	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	 431209	19479 688156	36214 900045	66049 1082604	136687	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,5-Trichlorophenol	ANT	Ave	 453519	19275 695467	40699 937076	67964 1103049	148392	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	15417 1608905	72647 2494139	140354 3283358	239539 3957105	531623	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	12010 1256724	55808 1961177	108779 2626903	188848 3105106	416984	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Ave	 681193	29224 1053324	54767 1410534	100496 1674021	242594	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	 1452881	68801 2201166	127969 2881970	217239 3433309	487812	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dinitrobenzene	ANT	Ave	 238175	8243 367810	18082 494497	33888 598460	82135	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Ave	 340027	12206 517459	29011 668719	49757 806648	113945	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	17839 2023808	90696 3178757	176052 4219484	301330 4959532	672483	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Nitroaniline	ANT	Ave	 335286	15188 537200	29287 727912	54733 868377	122067	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrophenol	ANT	Lin1	 331046	+++++ 603959	12183 874141	30051 1072248	108944	 20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
Acenaphthene	ANT	Ave	13183 1264080	58887 1948990	116703 2628589	190462 3103296	430966	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitrophenol	ANT	Ave	 618749	23663 974301	46808 1283077	83019 1493766	204470	 20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
2,4-Dinitrotoluene	ANT	Ave	 436677	17725 701434	37982 958274	62362 1134806	149592	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenzofuran	ANT	Ave	16844 1758613	78081 2759685	157245 3669697	262085 4270503	597159	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	 357723	13939 545856	28546 746918	52862 889273	120825	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexadecane	ANT	Ave	 1113097	54293 1731128	101899 2234817	173687 2600074	399866	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Diethyl phthalate	ANT	Ave	 1310191	72701 2106396	132851 2892647	226164 3483688	480462	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 173591

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2015 09:23 Calibration End Date: 03/25/2015 12:45 Calibration ID: 27496

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chlorophenyl phenyl ether	ANT	Ave	732971	34147 1130205	64517 1495024	111522 1739925	248128	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitroaniline	ANT	Ave	362733	15447 570601	30715 727143	45239 850612	104190	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluorene	ANT	Ave	13229 1477952	71766 2279491	133320 3025598	227886 3502165	499889	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,6-Dinitro-2-methylphenol	PHN	Lin1	494016	+++++ 846043	26878 1143975	49750 1385681	148558	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
N-Nitrosodiphenylamine	PHN	Ave	2090270	101458 3187599	215572 4366843	351267 5188286	763042	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
1,2-Diphenylhydrazine(as Azobenzene)	PHN	Ave	2517457	113109 3774907	219164 4744020	374451 5466241	881361	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Azobenzene	PHN	Ave	2514941	113303 3775040	217961 4743833	374838 5464979	881361	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	395180	18463 577878	39363 758384	60407 907940	132091	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Atrazine	PHN	Ave	792659	40870 1193007	71587 1644212	121944 1961579	280937	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Hexachlorobenzene	PHN	Ave	3769 354770	17753 542471	33922 728922	57343 866567	121972	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
n-Octadecane	PHN	Ave	1049169	54812 1561041	104703 1992182	175994 2308533	405542	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pentachlorophenol	PHN	Ave	491190	15692 841813	34394 1135147	67228 1346584	156292	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenanthrene	PHN	Ave	21846 1955838	101846 3174700	193517 4318113	322892 5147388	643515	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Anthracene	PHN	Ave	22442 1975840	99901 3256432	196940 4431385	325318 5264157	664972	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Carbazole	PHN	Ave	1951048	94505 2966866	165926 3846373	276985 4524774	580926	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-butyl phthalate	PHN	Ave	2387585	96877 3736564	177591 5002493	320654 5835264	781837	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluoranthene	PHN	Ave	24273 2411424	109382 3750644	186413 4973492	325358 5805154	737650	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzidine	CRY	Lin1	2549984	62984 4447865	170591 5641293	266175 6425819	793768	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Pyrene	CRY	Ave	24371 2500434	109099 3916018	192969 5256740	343439 6147965	786493	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Butyl benzyl phthalate	CRY	Ave	1152886	52413 1848920	102274 2449007	174789 2896417	363889	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	1584665	70077 2486497	140858 3307750	239696 3852294	567470	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 173591

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/25/2015 09:23 Calibration End Date: 03/25/2015 12:45 Calibration ID: 27496

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3,3'-Dichlorobenzidine	CRY	Ave	1584006	64183 2607968	139026 3476315	226102 4064997	558667	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Benzo[a]anthracene	CRY	Ave	25944 2516204	110629 4008361	222344 5347276	364506 6173682	875899	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Chrysene	CRY	Ave	22879 2375668	103249 3711169	202284 4892331	337327 5738911	803981	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-octyl phthalate	PRY	Ave	2773878	103525 4371636	232035 5807438	416978 6822185	974419	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[b]fluoranthene	PRY	Ave	21775 2211382	91386 3523718	181643 4865188	315841 5419384	787474	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[k]fluoranthene	PRY	Ave	21011 2355240	104581 3642356	192933 4673075	334051 5863314	774146	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]pyrene	PRY	Ave	20197 2174194	91574 3445498	173192 4553736	306330 5358483	764608	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	16280 2013031	81365 3061634	161999 4094446	296546 4720195	706871	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenz(a,h)anthracene	PRY	Ave	14171 1667623	65772 2554252	129416 3372548	232161 3927015	564286	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[g,h,i]perylene	PRY	Ave	14381 1610927	70371 2381457	135121 3187411	252141 3643427	566130	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorophenol (Surr)	DCB	Ave	825182	37432 1236514	69187 1658914	117867 1993326	274968	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol-d5 (Surr)	DCB	Ave	1163020	50512 1790202	102326 2360672	166329 2800864	405709	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene-d5 (Surr)	NPT	Ave	14394 1403750	60427 2166780	119748 2839846	206156 3393569	498205	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorobiphenyl (Surr)	ANT	Ave	15400 1512696	66829 2365186	137600 3131020	224222 3680934	504429	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	156373	6655 246374	15027 348168	23355 415080	52973	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Terphenyl-d14 (Surr)	CRY	Ave	19950 1814990	78971 2875308	158687 3844858	273509 4518791	572890	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID (1): CCV 240-175891/2 CCVIS Instrument ID (1): A4HP9

GC Column (1): RXI-5SILMS ID: 0.45(mm) Date Analyzed (1): 04/10/2015 08:11

ANALYTE	RT	RESOLUTION (%)
1,4-Dioxane	2.66	100.0
N-Nitrosodimethylamine	3.30	100.0
2-Fluorophenol (Surr)	5.12	100.0
Benzaldehyde	5.97	100.0
Phenol-d5 (Surr)	6.00	100.0
Phenol	6.02	100.0
Bis(2-chloroethyl)ether	6.10	100.0
2-Chlorophenol	6.18	100.0
2-Methylphenol	6.56	100.0
2,2'-oxybis[1-chloropropane]	6.59	100.0
3 & 4 Methylphenol	6.69	100.0
N-Nitrosodi-n-propylamine	6.70	100.0
Acetophenone	6.71	100.0
Hexachloroethane	6.83	100.0
Nitrobenzene-d5 (Surr)	6.85	100.0
Nitrobenzene	6.86	100.0
Isophorone	7.06	100.0
2-Nitrophenol	7.14	100.0
2,4-Dimethylphenol	7.15	100.0
Bis(2-chloroethoxy)methane	7.23	100.0
2,4-Dichlorophenol	7.35	100.0
Naphthalene	7.50	100.0
4-Chloroaniline	7.52	100.0
Hexachlorobutadiene	7.61	100.0
Caprolactam	7.81	100.0
4-Chloro-3-methylphenol	7.92	100.0
2-Methylnaphthalene	8.09	100.0
Hexachlorocyclopentadiene	8.23	100.0
2,4,6-Trichlorophenol	8.32	100.0
2,4,5-Trichlorophenol	8.36	100.0
2-Fluorobiphenyl (Surr)	8.38	100.0
1,1'-Biphenyl	8.48	100.0
2-Chloronaphthalene	8.51	100.0
2-Nitroaniline	8.57	100.0
Dimethyl phthalate	8.70	100.0
2,6-Dinitrotoluene	8.76	100.0
Acenaphthylene	8.87	100.0
3-Nitroaniline	8.91	100.0
2,4-Dinitrophenol	9.00	100.0
Acenaphthene	9.01	100.0
4-Nitrophenol	9.03	100.0
2,4-Dinitrotoluene	9.11	100.0
Dibenzofuran	9.16	100.0
Diethyl phthalate	9.29	100.0
4-Chlorophenyl phenyl ether	9.42	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID (1): CCV 240-175891/2 CCVIS Instrument ID (1): A4HP9

GC Column (1): RXI-5SILMS ID: 0.45(mm) Date Analyzed (1): 04/10/2015 08:11

ANALYTE	RT	RESOLUTION (%)
4-Nitroaniline	9.43	100.0
Fluorene	9.45	100.0
4,6-Dinitro-2-methylphenol	9.46	100.0
N-Nitrosodiphenylamine	9.51	100.0
2,4,6-Tribromophenol (Surr)	9.65	100.0
4-Bromophenyl phenyl ether	9.84	100.0
Hexachlorobenzene	9.93	100.0
Atrazine	9.94	100.0
Pentachlorophenol	10.08	100.0
Phenanthrene	10.27	100.0
Anthracene	10.32	100.0
Carbazole	10.43	100.0
Di-n-butyl phthalate	10.66	100.0
Fluoranthene	11.29	100.0
Pyrene	11.49	100.0
Terphenyl-d14 (Surr)	11.57	100.0
Butyl benzyl phthalate	11.94	100.0
Bis(2-ethylhexyl) phthalate	12.42	100.0
3,3'-Dichlorobenzidine	12.46	100.0
Benzo[a]anthracene	12.53	100.0
Chrysene	12.56	100.0
Di-n-octyl phthalate	13.07	100.0
Benzo[b]fluoranthene	13.75	34.90
Benzo[k]fluoranthene	13.78	100.0
Benzo[a]pyrene	14.22	100.0
Indeno[1,2,3-cd]pyrene	16.23	100.0
Dibenz(a,h)anthracene	16.24	100.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICV 240-173591/11 Calibration Date: 03/25/2015 14:02

Instrument ID: A4HP9 Calib Start Date: 03/25/2015 09:23

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 03/25/2015 12:45

Lab File ID: 50325011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7791	0.7815		10.0	10.0	0.3	30.0
N-Nitrosodimethylamine	Ave	1.376	1.156		8.40	10.0	-16.0	30.0
Pyridine	Ave	2.192	2.189		9.99	10.0	-0.1	30.0
Benzaldehyde	Ave	1.627	1.538	0.0100	18.9	20.0	-5.5	30.0
Phenol	Ave	2.454	2.376	0.8000	9.68	10.0	-3.2	30.0
Aniline	Ave	3.008	2.825		9.39	10.0	-6.1	30.0
Bis(2-chloroethyl)ether	Ave	2.044	1.993	0.7000	9.75	10.0	-2.5	30.0
2-Chlorophenol	Ave	1.380	1.327	0.8000	9.62	10.0	-3.8	30.0
n-Decane	Ave	1.851	1.807		9.76	10.0	-2.4	30.0
1,3-Dichlorobenzene	Ave	1.495	1.445		9.66	10.0	-3.4	30.0
1,4-Dichlorobenzene	Ave	1.533	1.475		9.62	10.0	-3.8	30.0
Benzyl alcohol	Ave	1.139	1.074		9.43	10.0	-5.7	30.0
1,2-Dichlorobenzene	Ave	1.440	1.389		9.65	10.0	-3.5	30.0
2-Methylphenol	Ave	1.637	1.577	0.7000	9.63	10.0	-3.7	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.771	1.642		9.27	10.0	-7.3	30.0
Indene	Ave	2.847	2.677		18.8	20.0	-5.9	30.0
3 & 4 Methylphenol	Ave	1.695	1.613		9.52	10.0	-4.8	30.0
N-Nitrosodi-n-propylamine	Ave	1.747	1.635	0.5000	9.36	10.0	-6.4	30.0
Acetophenone	Ave	2.498	2.347	0.0100	9.39	10.0	-6.1	30.0
Hexachloroethane	Ave	0.7494	0.7227	0.3000	9.64	10.0	-3.6	30.0
Nitrobenzene	Ave	0.6554	0.6358	0.2000	9.70	10.0	-3.0	30.0
Isophorone	Ave	1.137	1.134	0.4000	9.97	10.0	-0.3	30.0
2,4-Dimethylphenol	Ave	0.4883	0.4635	0.2000	9.49	10.0	-5.1	30.0
2-Nitrophenol	Ave	0.1753	0.1767	0.1000	10.1	10.0	0.8	30.0
Benzoic acid	Lin1		0.1698		17.2	20.0	-14.1	30.0
Bis(2-chloroethoxy)methane	Ave	0.5942	0.5837	0.3000	9.82	10.0	-1.8	30.0
2,4-Dichlorophenol	Ave	0.2867	0.2852	0.2000	9.95	10.0	-0.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3108	0.3065		9.86	10.0	-1.4	30.0
Naphthalene	Ave	1.072	1.058	0.7000	9.87	10.0	-1.3	30.0
4-Chloroaniline	Ave	0.4745	0.4582	0.0100	9.66	10.0	-3.4	30.0
2,6-Dichlorophenol	Ave	0.2841	0.2813		9.90	10.0	-1.0	30.0
Hexachlorobutadiene	Ave	0.2052	0.1995	0.0100	9.72	10.0	-2.8	30.0
Caprolactam	Ave	0.1258	0.1253	0.0100	19.9	20.0	-0.4	30.0
4-Chloro-3-methylphenol	Ave	0.4180	0.4112	0.2000	9.84	10.0	-1.6	30.0
2-Methylnaphthalene	Ave	0.6746	0.6292	0.4000	9.33	10.0	-6.7	30.0
1-Methylnaphthalene	Ave	0.5866	0.5984		10.2	10.0	2.0	30.0
Hexachlorocyclopentadiene	Ave	0.3378	0.3266	0.0500	9.67	10.0	-3.3	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5524	0.5441	0.0100	9.85	10.0	-1.5	30.0
2,4,6-Trichlorophenol	Ave	0.3696	0.3678	0.2000	9.95	10.0	-0.5	30.0
2,4,5-Trichlorophenol	Ave	0.3856	0.3906	0.2000	10.1	10.0	1.3	30.0
1,1'-Biphenyl	Ave	1.390	1.332	0.0100	9.58	10.0	-4.2	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICV 240-173591/11 Calibration Date: 03/25/2015 14:02

Instrument ID: A4HP9 Calib Start Date: 03/25/2015 09:23

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 03/25/2015 12:45

Lab File ID: 50325011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.088	1.048	0.8000	9.63	10.0	-3.7	30.0
2-Nitroaniline	Ave	0.5784	0.5758	0.0100	9.96	10.0	-0.4	30.0
Dimethyl phthalate	Ave	1.241	1.215	0.0100	9.79	10.0	-2.1	30.0
1,3-Dinitrobenzene	Ave	0.1949	0.1975		10.1	10.0	1.4	30.0
2,6-Dinitrotoluene	Ave	0.2788	0.2822		10.1	10.0	1.2	30.0
Acenaphthylene	Ave	1.736	1.653	0.9000	9.52	10.0	-4.8	30.0
3-Nitroaniline	Ave	0.2991	0.2809	0.0100	9.39	10.0	-6.1	30.0
2,4-Dinitrophenol	Lin1		0.1299	0.0100	16.1	20.0	-19.5	30.0
Acenaphthene	Ave	1.121	1.057	0.9000	9.43	10.0	-5.7	30.0
4-Nitrophenol	Ave	0.2519	0.2538		20.1	20.0	0.7	30.0
2,4-Dinitrotoluene	Ave	0.3759	0.3587	0.2000	9.54	10.0	-4.6	30.0
Dibenzofuran	Ave	1.529	1.449	0.8000	9.48	10.0	-5.2	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.2982	0.3102	0.0100	10.4	10.0	4.0	30.0
Diethyl phthalate	Ave	1.242	1.101	0.0100	8.87	10.0	-11.3	30.0
Hexadecane	Ave	0.9760	0.9552		9.79	10.0	-2.1	30.0
4-Chlorophenyl phenyl ether	Ave	0.6303	0.6048	0.4000	9.59	10.0	-4.1	30.0
4-Nitroaniline	Ave	0.2936	0.2878	0.0100	9.80	10.0	-2.0	30.0
Fluorene	Ave	1.285	1.233	0.9000	9.59	10.0	-4.1	30.0
4,6-Dinitro-2-methylphenol	Lin1		0.1233	0.0100	19.0	20.0	-5.1	30.0
N-Nitrosodiphenylamine	Ave	0.5489	0.5659	0.0100	20.6	20.0	3.1	30.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.219	1.384		11.4	10.0	13.5	30.0
Azobenzene	Ave	1.218	1.384		11.4	10.0	13.6	30.0
4-Bromophenyl phenyl ether	Ave	0.1961	0.2162	0.1000	11.0	10.0	10.2	30.0
Atrazine	Ave	0.2026	0.2105	0.0100	20.8	20.0	3.9	30.0
Hexachlorobenzene	Ave	0.1847	0.1936	0.1000	10.5	10.0	4.8	30.0
n-Octadecane	Ave	0.5436	0.5550		10.2	10.0	2.1	30.0
Pentachlorophenol	Ave	0.1176	0.1329	0.0500	22.6	20.0	13.0	30.0
Phenanthrene	Ave	1.053	1.009	0.7000	9.59	10.0	-4.1	30.0
Anthracene	Ave	1.071	1.043	0.7000	9.74	10.0	-2.6	30.0
Carbazole	Ave	0.9386	0.9925	0.0100	10.6	10.0	5.7	30.0
Di-n-butyl phthalate	Ave	1.133	1.322	0.0100	11.7	10.0	16.7	30.0
Fluoranthene	Ave	1.169	1.280	0.6000	10.9	10.0	9.5	30.0
Benzidine	Lin1		0.5487		19.6	20.0	-1.8	30.0
Pyrene	Ave	1.057	1.070	0.6000	10.1	10.0	1.2	30.0
Butyl benzyl phthalate	Ave	0.4977	0.5158	0.0100	10.4	10.0	3.6	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.6862	0.6766	0.0100	9.86	10.0	-1.4	30.0
3,3'-Dichlorobenzidine	Ave	0.3423	0.3509	0.0100	20.5	20.0	2.5	30.0
Benzo[a]anthracene	Ave	1.110	1.103	0.8000	9.94	10.0	-0.6	30.0
Chrysene	Ave	1.020	1.041	0.7000	10.2	10.0	2.0	30.0
Di-n-octyl phthalate	Ave	1.437	1.442	0.0100	10.0	10.0	0.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICV 240-173591/11 Calibration Date: 03/25/2015 14:02

Instrument ID: A4HP9 Calib Start Date: 03/25/2015 09:23

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 03/25/2015 12:45

Lab File ID: 50325011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[b]fluoranthene	Ave	1.174	1.144	0.7000	9.74	10.0	-2.6	30.0
Benzo[k]fluoranthene	Ave	1.217	1.222	0.7000	10.0	10.0	0.4	30.0
Benzo[a]pyrene	Ave	1.135	1.095	0.7000	9.65	10.0	-3.5	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.022	1.023	0.5000	10.0	10.0	0.0	30.0
Dibenz(a,h)anthracene	Ave	0.8378	0.8516	0.4000	10.2	10.0	1.7	30.0
Benzo[g,h,i]perylene	Ave	0.8352	0.8350	0.5000	10.0	10.0	-0.0	30.0
2-Fluorophenol (Surr)	Ave	1.550	1.648		10.6	10.0	6.3	30.0
Phenol-d5 (Surr)	Ave	2.209	2.326		10.5	10.0	5.3	30.0
Nitrobenzene-d5 (Surr)	Ave	0.7130	0.7421		10.4	10.0	4.1	30.0
2-Fluorobiphenyl (Surr)	Ave	1.322	1.381		10.4	10.0	4.4	30.0
2,4,6-Tribromophenol (Surr)	Ave	0.1380	0.1467		10.6	10.0	6.3	30.0
Terphenyl-d14 (Surr)	Ave	0.8012	0.8337		10.4	10.0	4.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175891/2 Calibration Date: 04/10/2015 08:11

Instrument ID: A4HP9 Calib Start Date: 03/25/2015 09:23

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 03/25/2015 12:45

Lab File ID: 50410002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7791	0.8179		10.5	10.0	5.0	20.0
N-Nitrosodimethylamine	Ave	1.376	1.359		9.88	10.0	-1.2	20.0
Pyridine	Ave	2.192	2.267		10.3	10.0	3.4	20.0
Benzaldehyde	Ave	1.627	1.421	0.0100	17.5	20.0	-12.7	20.0
Phenol	Ave	2.454	2.399	0.8000	9.78	10.0	-2.2	20.0
Aniline	Ave	3.008	2.947		9.80	10.0	-2.0	20.0
Bis(2-chloroethyl)ether	Ave	2.044	2.104	0.7000	10.3	10.0	2.9	20.0
2-Chlorophenol	Ave	1.380	1.405	0.8000	10.2	10.0	1.8	20.0
n-Decane	Ave	1.851	1.765		9.54	10.0	-4.6	20.0
1,3-Dichlorobenzene	Ave	1.495	1.523		10.2	10.0	1.9	20.0
1,4-Dichlorobenzene	Ave	1.533	1.525		9.95	10.0	-0.5	20.0
Benzyl alcohol	Ave	1.139	1.070		9.39	10.0	-6.1	20.0
1,2-Dichlorobenzene	Ave	1.440	1.446		10.0	10.0	0.4	20.0
2-Methylphenol	Ave	1.637	1.587	0.7000	9.69	10.0	-3.1	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.771	1.481		8.36	10.0	-16.4	20.0
Indene	Ave	2.847	2.792		19.6	20.0	-1.9	20.0
3 & 4 Methylphenol	Ave	1.695	1.636		9.65	10.0	-3.5	20.0
N-Nitrosodi-n-propylamine	Ave	1.747	1.723	0.5000	9.86	10.0	-1.4	20.0
Acetophenone	Ave	2.498	2.437	0.0100	9.76	10.0	-2.4	20.0
Hexachloroethane	Ave	0.7494	0.7630	0.3000	10.2	10.0	1.8	20.0
Nitrobenzene	Ave	0.6554	0.6609	0.2000	10.1	10.0	0.8	20.0
Isophorone	Ave	1.137	1.120	0.4000	9.85	10.0	-1.5	20.0
2-Nitrophenol	Ave	0.1753	0.1790	0.1000	10.2	10.0	2.1	20.0
2,4-Dimethylphenol	Ave	0.4883	0.5014	0.2000	10.3	10.0	2.7	20.0
Benzoic acid	Lin1		0.1837		18.5	20.0	-7.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.5942	0.5710	0.3000	9.61	10.0	-3.9	20.0
2,4-Dichlorophenol	Ave	0.2867	0.2937	0.2000	10.2	10.0	2.4	20.0
1,2,4-Trichlorobenzene	Ave	0.3108	0.3189		10.3	10.0	2.6	20.0
Naphthalene	Ave	1.072	1.034	0.7000	9.64	10.0	-3.6	20.0
4-Chloroaniline	Ave	0.4745	0.4686	0.0100	9.87	10.0	-1.3	20.0
2,6-Dichlorophenol	Ave	0.2841	0.2882		10.1	10.0	1.4	20.0
Hexachlorobutadiene	Ave	0.2052	0.2150	0.0100	10.5	10.0	4.8	20.0
Caprolactam	Ave	0.1258	0.1287	0.0100	20.5	20.0	2.3	20.0
4-Chloro-3-methylphenol	Ave	0.4180	0.4197	0.2000	10.0	10.0	0.4	20.0
2-Methylnaphthalene	Ave	0.6746	0.6499	0.4000	9.63	10.0	-3.7	20.0
1-Methylnaphthalene	Ave	0.5866	0.5647		9.63	10.0	-3.7	20.0
Hexachlorocyclopentadiene	Ave	0.3378	0.3390	0.0500	10.0	10.0	0.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5524	0.5419	0.0100	9.81	10.0	-1.9	20.0
2,4,6-Trichlorophenol	Ave	0.3696	0.3732	0.2000	10.1	10.0	1.0	20.0
2,4,5-Trichlorophenol	Ave	0.3856	0.3797	0.2000	9.85	10.0	-1.5	20.0
1,1'-Biphenyl	Ave	1.390	1.302	0.0100	9.37	10.0	-6.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175891/2 Calibration Date: 04/10/2015 08:11

Instrument ID: A4HP9 Calib Start Date: 03/25/2015 09:23

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 03/25/2015 12:45

Lab File ID: 50410002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.088	1.049	0.8000	9.64	10.0	-3.6	20.0
2-Nitroaniline	Ave	0.5784	0.5649	0.0100	9.77	10.0	-2.3	20.0
Dimethyl phthalate	Ave	1.241	1.188	0.0100	9.57	10.0	-4.3	20.0
1,3-Dinitrobenzene	Ave	0.1949	0.2069		10.6	10.0	6.2	20.0
2,6-Dinitrotoluene	Ave	0.2788	0.2797		10.0	10.0	0.3	20.0
Acenaphthylene	Ave	1.736	1.649	0.9000	9.50	10.0	-5.0	20.0
3-Nitroaniline	Ave	0.2991	0.2979	0.0100	9.96	10.0	-0.4	20.0
2,4-Dinitrophenol	Lin1		0.1549	0.0100	18.9	20.0	-5.7	20.0
Acenaphthene	Ave	1.121	1.039	0.9000	9.26	10.0	-7.4	20.0
4-Nitrophenol	Ave	0.2519	0.2766		22.0	20.0	9.8	20.0
2,4-Dinitrotoluene	Ave	0.3759	0.3856	0.2000	10.3	10.0	2.6	20.0
Dibenzofuran	Ave	1.529	1.424	0.8000	9.31	10.0	-6.9	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2982	0.3162	0.0100	10.6	10.0	6.0	20.0
Diethyl phthalate	Ave	1.242	1.159	0.0100	9.33	10.0	-6.7	20.0
Hexadecane	Ave	0.9760	0.8376		8.58	10.0	-14.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.6303	0.6148	0.4000	9.75	10.0	-2.5	20.0
4-Nitroaniline	Ave	0.2936	0.3114	0.0100	10.6	10.0	6.0	20.0
Fluorene	Ave	1.285	1.177	0.9000	9.16	10.0	-8.4	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1209	0.0100	18.6	20.0	-6.9	20.0
N-Nitrosodiphenylamine	Ave	0.5489	0.5099	0.0100	18.6	20.0	-7.1	20.0
1,2-Diphenylhydrazine(as Azobenzene)	Ave	1.219	1.110		9.11	10.0	-8.9	20.0
Azobenzene	Ave	1.218	1.110		9.11	10.0	-8.9	20.0
4-Bromophenyl phenyl ether	Ave	0.1961	0.1954	0.1000	9.97	10.0	-0.3	20.0
Hexachlorobenzene	Ave	0.1847	0.1750	0.1000	9.48	10.0	-5.2	20.0
Atrazine	Ave	0.2026	0.2103	0.0100	20.8	20.0	3.8	20.0
n-Octadecane	Ave	0.5436	0.5075		9.34	10.0	-6.6	20.0
Pentachlorophenol	Ave	0.1176	0.1179	0.0500	20.0	20.0	0.2	20.0
Phenanthrene	Ave	1.053	1.017	0.7000	9.66	10.0	-3.4	20.0
Anthracene	Ave	1.071	1.031	0.7000	9.63	10.0	-3.7	20.0
Carbazole	Ave	0.9386	0.9263	0.0100	9.87	10.0	-1.3	20.0
Di-n-butyl phthalate	Ave	1.133	1.196	0.0100	10.6	10.0	5.5	20.0
Fluoranthene	Ave	1.169	1.199	0.6000	10.3	10.0	2.6	20.0
Benzidine	Lin1		0.5370		19.2	20.0	-3.9	20.0
Pyrene	Ave	1.057	1.063	0.6000	10.1	10.0	0.5	20.0
Butyl benzyl phthalate	Ave	0.4977	0.4927	0.0100	9.90	10.0	-1.0	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6862	0.6923	0.0100	10.1	10.0	0.9	20.0
3,3'-Dichlorobenzidine	Ave	0.3423	0.3638	0.0100	21.3	20.0	6.3	20.0
Benzo[a]anthracene	Ave	1.110	1.089	0.8000	9.81	10.0	-1.9	20.0
Chrysene	Ave	1.020	1.021	0.7000	10.0	10.0	0.1	20.0
Di-n-octyl phthalate	Ave	1.437	1.396	0.0100	9.71	10.0	-2.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175891/2 Calibration Date: 04/10/2015 08:11

Instrument ID: A4HP9 Calib Start Date: 03/25/2015 09:23

GC Column: RXI-5SILMS ID: 0.45(mm) Calib End Date: 03/25/2015 12:45

Lab File ID: 50410002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[b]fluoranthene	Ave	1.174	1.160	0.7000	9.88	10.0	-1.2	20.0
Benzo[k]fluoranthene	Ave	1.217	1.211	0.7000	9.95	10.0	-0.5	20.0
Benzo[a]pyrene	Ave	1.135	1.138	0.7000	10.0	10.0	0.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.022	1.149	0.5000	11.2	10.0	12.4	20.0
Dibenz(a,h)anthracene	Ave	0.8378	0.9493	0.4000	11.3	10.0	13.3	20.0
Benzo[g,h,i]perylene	Ave	0.8352	0.9698	0.5000	11.6	10.0	16.1	20.0
2-Fluorophenol (Surr)	Ave	1.550	1.559		10.1	10.0	0.6	20.0
Phenol-d5 (Surr)	Ave	2.209	2.203		9.97	10.0	-0.3	20.0
Nitrobenzene-d5 (Surr)	Ave	0.7130	0.6987		9.80	10.0	-2.0	20.0
2-Fluorobiphenyl (Surr)	Ave	1.322	1.254		9.48	10.0	-5.2	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1380	0.1486		10.8	10.0	7.7	20.0
Terphenyl-d14 (Surr)	Ave	0.8012	0.7662		9.56	10.0	-4.4	20.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-175545/18-A

Matrix: Solid | Lab File ID: 50410005.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/08/2015 09:16

Sample wt/vol: 30(g) | Date Analyzed: 04/10/2015 09:27

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175891 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	3.5	U	50	3.5
123-91-1	1,4-Dioxane	22	U	100	22
88-06-2	2,4,6-Trichlorophenol	8.9	U	150	8.9
95-95-4	2,4,5-Trichlorophenol	25	U	150	25
120-83-2	2,4-Dichlorophenol	20	U	150	20
105-67-9	2,4-Dimethylphenol	20	U	150	20
51-28-5	2,4-Dinitrophenol	21	U	330	21
121-14-2	2,4-Dinitrotoluene	17	U	200	17
91-58-7	2-Chloronaphthalene	0.45	U	50	0.45
95-57-8	2-Chlorophenol	8.2	U	50	8.2
91-57-6	2-Methylnaphthalene	0.50	U	6.7	0.50
95-48-7	2-Methylphenol	11	U	200	11
88-74-4	2-Nitroaniline	9.1	U	200	9.1
88-75-5	2-Nitrophenol	8.3	U	50	8.3
15831-10-4	3 & 4 Methylphenol	20	U	400	20
91-94-1	3,3'-Dichlorobenzidine	18	U	100	18
99-09-2	3-Nitroaniline	16	U	200	16
534-52-1	4,6-Dinitro-2-methylphenol	9.2	U	150	9.2
101-55-3	4-Bromophenyl phenyl ether	13	U	50	13
59-50-7	4-Chloro-3-methylphenol	21	U	150	21
106-47-8	4-Chloroaniline	17	U	150	17
7005-72-3	4-Chlorophenyl phenyl ether	13	U	50	13
100-01-6	4-Nitroaniline	26	U	200	26
83-32-9	Acenaphthene	0.76	U	6.7	0.76
208-96-8	Acenaphthylene	0.35	U	6.7	0.35
98-86-2	Acetophenone	9.2	U	100	9.2
120-12-7	Anthracene	0.78	U	6.7	0.78
1912-24-9	Atrazine	9.1	U	200	9.1
100-52-7	Benzaldehyde	12	U	100	12
56-55-3	Benzo[a]anthracene	0.63	U	6.7	0.63
50-32-8	Benzo[a]pyrene	0.64	U	6.7	0.64
205-99-2	Benzo[b]fluoranthene	0.59	U	6.7	0.59
191-24-2	Benzo[g,h,i]perylene	0.35	U	6.7	0.35
207-08-9	Benzo[k]fluoranthene	0.68	U	6.7	0.68

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-175545/18-A

Matrix: Solid | Lab File ID: 50410005.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/08/2015 09:16

Sample wt/vol: 30(g) | Date Analyzed: 04/10/2015 09:27

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175891 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
111-91-1	Bis(2-chloroethoxy)methane	22	U	100	22
111-44-4	Bis(2-chloroethyl)ether	2.0	U	100	2.0
117-81-7	Bis(2-ethylhexyl) phthalate	91.6		70	19
85-68-7	Butyl benzyl phthalate	10	U	70	10
105-60-2	Caprolactam	37	U	330	37
86-74-8	Carbazole	27	U	50	27
218-01-9	Chrysene	1.1	U	6.7	1.1
84-74-2	Di-n-butyl phthalate	15	U	70	15
117-84-0	Di-n-octyl phthalate	7.9	U	70	7.9
53-70-3	Dibenz(a,h)anthracene	0.66	U	6.7	0.66
132-64-9	Dibenzofuran	0.66	U	50	0.66
84-66-2	Diethyl phthalate	16	U	70	16
131-11-3	Dimethyl phthalate	17	U	70	17
206-44-0	Fluoranthene	0.55	U	6.7	0.55
86-73-7	Fluorene	0.53	U	6.7	0.53
118-74-1	Hexachlorobenzene	2.1	U	6.7	2.1
87-68-3	Hexachlorobutadiene	5.6	U	50	5.6
77-47-4	Hexachlorocyclopentadiene	8.1	U	330	8.1
67-72-1	Hexachloroethane	9.0	U	50	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	0.35	U	6.7	0.35
78-59-1	Isophorone	13	U	50	13
621-64-7	N-Nitrosodi-n-propylamine	6.3	U	50	6.3
62-75-9	N-Nitrosodimethylamine	16	U	100	16
86-30-6	N-Nitrosodiphenylamine	21	U	50	21
91-20-3	Naphthalene	0.82	U	6.7	0.82
98-95-3	Nitrobenzene	2.2	U	100	2.2
87-86-5	Pentachlorophenol	9.1	U	150	9.1
85-01-8	Phenanthrene	0.73	U	6.7	0.73
108-95-2	Phenol	7.3	U	50	7.3
129-00-0	Pyrene	0.44	U	6.7	0.44
108-60-1	2,2'-oxybis[1-chloropropane]	9.5	U	100	9.5
606-20-2	2,6-Dinitrotoluene	21	U	200	21
100-02-7	4-Nitrophenol	17	U	330	17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-175545/18-A

Matrix: Solid | Lab File ID: 50410005.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/08/2015 09:16

Sample wt/vol: 30(g) | Date Analyzed: 04/10/2015 09:27

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175891 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	78		36-110
4165-62-2	Phenol-d5 (Surr)	81		26-110
4165-60-0	Nitrobenzene-d5 (Surr)	75		20-110
367-12-4	2-Fluorophenol (Surr)	77		24-110
321-60-8	2-Fluorobiphenyl (Surr)	82		24-110
118-79-6	2,4,6-Tribromophenol (Surr)	42		10-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-175545/19-A

Matrix: Solid | Lab File ID: 50410006.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/08/2015 09:16

Sample wt/vol: 30(g) | Date Analyzed: 04/10/2015 09:52

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175891 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	532		50	3.5
123-91-1	1,4-Dioxane	336		100	22
88-06-2	2,4,6-Trichlorophenol	491		150	8.9
95-95-4	2,4,5-Trichlorophenol	479		150	25
120-83-2	2,4-Dichlorophenol	557		150	20
105-67-9	2,4-Dimethylphenol	427		150	20
51-28-5	2,4-Dinitrophenol	577		330	21
121-14-2	2,4-Dinitrotoluene	584		200	17
91-58-7	2-Chloronaphthalene	551		50	0.45
95-57-8	2-Chlorophenol	546		50	8.2
91-57-6	2-Methylnaphthalene	539		6.7	0.50
95-48-7	2-Methylphenol	515		200	11
88-74-4	2-Nitroaniline	560		200	9.1
88-75-5	2-Nitrophenol	570		50	8.3
15831-10-4	3 & 4 Methylphenol	544		400	20
91-94-1	3,3'-Dichlorobenzidine	1040		100	18
99-09-2	3-Nitroaniline	563		200	16
534-52-1	4,6-Dinitro-2-methylphenol	811		150	9.2
101-55-3	4-Bromophenyl phenyl ether	566		50	13
59-50-7	4-Chloro-3-methylphenol	552		150	21
106-47-8	4-Chloroaniline	489		150	17
7005-72-3	4-Chlorophenyl phenyl ether	541		50	13
100-01-6	4-Nitroaniline	560		200	26
83-32-9	Acenaphthene	529		6.7	0.76
208-96-8	Acenaphthylene	509		6.7	0.35
98-86-2	Acetophenone	545		100	9.2
120-12-7	Anthracene	525		6.7	0.78
1912-24-9	Atrazine	1060		200	9.1
100-52-7	Benzaldehyde	1290		100	12
56-55-3	Benzo[a]anthracene	527		6.7	0.63
50-32-8	Benzo[a]pyrene	533		6.7	0.64
205-99-2	Benzo[b]fluoranthene	521		6.7	0.59
191-24-2	Benzo[g,h,i]perylene	625		6.7	0.35
207-08-9	Benzo[k]fluoranthene	573		6.7	0.68

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-175545/19-A

Matrix: Solid | Lab File ID: 50410006.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/08/2015 09:16

Sample wt/vol: 30(g) | Date Analyzed: 04/10/2015 09:52

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175891 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
111-91-1	Bis(2-chloroethoxy)methane	557		100	22
111-44-4	Bis(2-chloroethyl)ether	540		100	2.0
117-81-7	Bis(2-ethylhexyl) phthalate	576		70	19
85-68-7	Butyl benzyl phthalate	524		70	10
105-60-2	Caprolactam	1230		330	37
86-74-8	Carbazole	549		50	27
218-01-9	Chrysene	568		6.7	1.1
84-74-2	Di-n-butyl phthalate	584		70	15
117-84-0	Di-n-octyl phthalate	524		70	7.9
53-70-3	Dibenz(a,h)anthracene	593		6.7	0.66
132-64-9	Dibenzofuran	540		50	0.66
84-66-2	Diethyl phthalate	543		70	16
131-11-3	Dimethyl phthalate	557		70	17
206-44-0	Fluoranthene	561		6.7	0.55
86-73-7	Fluorene	512		6.7	0.53
118-74-1	Hexachlorobenzene	535		6.7	2.1
87-68-3	Hexachlorobutadiene	580		50	5.6
77-47-4	Hexachlorocyclopentadiene	379		330	8.1
67-72-1	Hexachloroethane	533		50	9.0
193-39-5	Indeno[1,2,3-cd]pyrene	602		6.7	0.35
78-59-1	Isophorone	545		50	13
621-64-7	N-Nitrosodi-n-propylamine	563		50	6.3
62-75-9	N-Nitrosodimethylamine	536		100	16
86-30-6	N-Nitrosodiphenylamine	1000		50	21
91-20-3	Naphthalene	527		6.7	0.82
98-95-3	Nitrobenzene	560		100	2.2
87-86-5	Pentachlorophenol	755		150	9.1
85-01-8	Phenanthrene	522		6.7	0.73
108-95-2	Phenol	559		50	7.3
129-00-0	Pyrene	549		6.7	0.44
108-60-1	2,2'-oxybis[1-chloropropane]	491		100	9.5
606-20-2	2,6-Dinitrotoluene	584		200	21
100-02-7	4-Nitrophenol	1140		330	17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-175545/19-A

Matrix: Solid | Lab File ID: 50410006.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3540C | Date Extracted: 04/08/2015 09:16

Sample wt/vol: 30(g) | Date Analyzed: 04/10/2015 09:52

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175891 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	76		36-110
4165-62-2	Phenol-d5 (Surr)	85		26-110
4165-60-0	Nitrobenzene-d5 (Surr)	83		20-110
367-12-4	2-Fluorophenol (Surr)	83		24-110
321-60-8	2-Fluorobiphenyl (Surr)	82		24-110
118-79-6	2,4,6-Tribromophenol (Surr)	72		10-110

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A4HP9 Start Date: 03/25/2015 09:02

Analysis Batch Number: 173591 End Date: 03/25/2015 18:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-173591/1		03/25/2015 09:02	1	50325001.D	RXI-5SILMS 0.45(mm)
STD5 240-173591/2 IC		03/25/2015 09:23	1	50325002.D	RXI-5SILMS 0.45(mm)
STD4 240-173591/3 IC		03/25/2015 09:48	1	50325003.D	RXI-5SILMS 0.45(mm)
STD3 240-173591/4 IC		03/25/2015 10:13	1	50325004.D	RXI-5SILMS 0.45(mm)
STD2 240-173591/5 IC		03/25/2015 10:38	1	50325005.D	RXI-5SILMS 0.45(mm)
STD1 240-173591/6 IC		03/25/2015 11:04	1	50325006.D	RXI-5SILMS 0.45(mm)
STD9 240-173591/7 IC		03/25/2015 11:29	1	50325007.D	RXI-5SILMS 0.45(mm)
STD8 240-173591/8 IC		03/25/2015 11:54	1	50325008.D	RXI-5SILMS 0.45(mm)
STD7 240-173591/9 IC		03/25/2015 12:20	1	50325009.D	RXI-5SILMS 0.45(mm)
STD6 240-173591/10 ICIS		03/25/2015 12:45	1	50325010.D	RXI-5SILMS 0.45(mm)
ICV 240-173591/11		03/25/2015 14:02	1	50325011.D	RXI-5SILMS 0.45(mm)
STD5 240-173591/12 IC		03/25/2015 14:53	1		RXI-5SILMS 0.45(mm)
STD4 240-173591/13 IC		03/25/2015 15:18	1		RXI-5SILMS 0.45(mm)
STD3 240-173591/14 IC		03/25/2015 15:43	1		RXI-5SILMS 0.45(mm)
STD2 240-173591/15 IC		03/25/2015 16:08	1		RXI-5SILMS 0.45(mm)
STD6 240-173591/16 IC		03/25/2015 16:33	1		RXI-5SILMS 0.45(mm)
STD7 240-173591/17 IC		03/25/2015 16:58	1		RXI-5SILMS 0.45(mm)
STD8 240-173591/18 IC		03/25/2015 17:24	1		RXI-5SILMS 0.45(mm)
STD9 240-173591/19 IC		03/25/2015 17:50	1		RXI-5SILMS 0.45(mm)
ICV 240-173591/20		03/25/2015 18:15	1		RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A4HP9 Start Date: 04/10/2015 07:50

Analysis Batch Number: 175891 End Date: 04/10/2015 16:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-175891/1		04/10/2015 07:50	1	50410001.D	RXI-5SILMS 0.45(mm)
CCV 240-175891/2 CCVIS		04/10/2015 08:11	1	50410002.D	RXI-5SILMS 0.45(mm)
MB 240-175545/18-A		04/10/2015 09:27	1	50410005.D	RXI-5SILMS 0.45(mm)
LCS 240-175545/19-A		04/10/2015 09:52	1	50410006.D	RXI-5SILMS 0.45(mm)
240-49010-1	FILL-001	04/10/2015 16:57	1	50410023.D	RXI-5SILMS 0.45(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Batch Number: 175545 Batch Start Date: 04/08/15 11:15 Batch Analyst: Earle, Steve

Batch Method: 3540C Batch End Date: 04/09/15 03:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXBenzaldehyd 00019	EXBNASPIKE 00038	EXBNASURR W 00021	
240-49010-E-1	FILL-001	3540C, 8270D	T	29.69 g	2 mL			1 mL	
MB 240-175545/18		3540C, 8270D		30 g	2 mL			1 mL	
LCS 240-175545/19		3540C, 8270D		30 g	2 mL	1 mL	1 mL	1 mL	

Batch Notes	
Balance ID	b037
Na2SO4 Lot Number	1942694
Prep Solvent Lot #	1937120

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8015C - GRO

Nonhalogenated Organics using GC/FID - Modified (Gasoline Range Organics) by Method 8015C

FORM II
GC VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RTX-VRX ID: 0.45 (mm)

Client Sample ID	Lab Sample ID	TFT1 #
FILL-001	240-49010-1	86
	MB 240-175570/1-A	81
	LCS 240-175570/2-A	100
	180-42592-G-10-C MS	81
	180-42592-G-10-D MSD	90

	QC LIMITS
TFT = Trifluorotoluene (Surr)	40-139

Column to be used to flag recovery values

FORM II 8015C

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Y0040826.D

Lab ID: LCS 240-175570/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Gasoline Range Organics [C6 - C10]	800	769	96	74-120	

Column to be used to flag recovery and RPD values

FORM III 8015C

FORM III
GC VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Y0040828.D

Lab ID: 180-42592-G-10-C MS Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Gasoline Range Organics [C6 - C10]	928	54 U	587	63	10-136	

Column to be used to flag recovery and RPD values

FORM III 8015C

FORM III
GC VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Y0040829.D

Lab ID: 180-42592-G-10-D MSD Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Gasoline Range Organics [C6 - C10]	930	624	67	6	40	10-136	

Column to be used to flag recovery and RPD values

FORM III 8015C

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: MB 240-175570/1-A

Matrix: Solid Date Extracted: 04/08/2015 11:04

Lab File ID:(1) Y0040825.D Lab File ID:(2)

Date Analyzed:(1) 04/09/2015 01:56 Date Analyzed:(2)

Instrument ID:(1) YPID Instrument ID:(2)

GC Column:(1) RTX-VRX ID: 0.45(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 240-175570/2-A	04/09/2015 02:31	
	180-42592-G-10-C MS	04/09/2015 03:40	
	180-42592-G-10-D MSD	04/09/2015 04:14	
FILL-001	240-49010-1	04/09/2015 06:34	

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Sample No.: CCVRT 240-175575/4 Date Analyzed: 04/08/2015 13:42

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm)

Lab File ID (Standard): Y0040804.D Heated Purge: (Y/N) N

Calibration ID: 27484

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TFT		
				RT #		
CONTINUING CALIBRATION SURROGATE				9.70		
UPPER LIMIT				9.80		
LOWER LIMIT				9.60		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 240-175575/4		04/08/2015 13:42	Y0040804.D	9.70		
CCV 240-175575/16		04/08/2015 20:42	Y0040816.D	9.70		
CCV 240-175575/19		04/08/2015 22:27	Y0040819.D	9.70		
CCV 240-175575/24		04/09/2015 01:22	Y0040824.D	9.70		
MB 240-175570/1-A		04/09/2015 01:56	Y0040825.D	9.70		
LCS 240-175570/2-A		04/09/2015 02:31	Y0040826.D	9.70		
180-42592-G-10-C MS		04/09/2015 03:40	Y0040828.D	9.70		
180-42592-G-10-D MSD		04/09/2015 04:14	Y0040829.D	9.70		
240-49010-1	FILL-001	04/09/2015 06:34	Y0040833.D	9.69		
CCV 240-175575/34		04/09/2015 07:10	Y0040834.D	9.70		

TFT = Trifluorotoluene (Surr)

TFT RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015C

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 Lab Sample ID: 240-49010-1

Matrix: Solid Lab File ID: Y0040833.D

Analysis Method: 8015C Date Collected: 04/06/2015 15:00

Sample wt/vol: 5.01(g) Date Analyzed: 04/09/2015 06:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: 7.4 Level: (low/med) Low

Analysis Batch No.: 175575 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics [C6 - C10]	50	U	110	50

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	86		40-139

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 173250

SDG No.:

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2015 18:47 Calibration End Date: 03/23/2015 21:37 Calibration ID: 27484

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-173250/10	Y0032310.D
Level 2	STD2 240-173250/11	Y0032311.D
Level 3	STD3 240-173250/12	Y0032312.D
Level 4	STD4 240-173250/13	Y0032313.D
Level 5	STD5 240-173250/14	Y0032314.D
Level 6	STD6 240-173250/15	Y0032315.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Gasoline Range Organics [C6 - C10]	11.827	11.827	11.827	11.827	11.827	11.827					4.796 - 18.770	11.827
C6-C12	13.373	13.373	13.373	13.373	13.373	13.373					4.796 - 21.951	13.373
Trifluorotoluene (Surr)	9.684	9.683	9.683	9.684	9.686	9.686					9.428 - 9.928	9.684

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 173250

SDG No.:

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2015 18:47 Calibration End Date: 03/23/2015 21:37 Calibration ID: 27484

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-173250/10	Y0032310.D
Level 2	STD2 240-173250/11	Y0032311.D
Level 3	STD3 240-173250/12	Y0032312.D
Level 4	STD4 240-173250/13	Y0032313.D
Level 5	STD5 240-173250/14	Y0032314.D
Level 6	STD6 240-173250/15	Y0032315.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Gasoline Range Organics [C6 - C10]	203039 175002	170499 172061	173004	178192	Ave		178632.950				6.9		20.0			
C6-C12	236409 188809	184468 185735	185973	192735	Ave		195688.116				10.3		20.0			
Trifluorotoluene (Surr)	259469 156749	179692 154231	159082	155856	Lin	59087.1617	153009.625							1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 173250

SDG No.:

Instrument ID: YPID GC Column: RTX-VRX ID: 0.45(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/23/2015 18:47 Calibration End Date: 03/23/2015 21:37 Calibration ID: 27484

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-173250/10	Y0032310.D
Level 2	STD2 240-173250/11	Y0032311.D
Level 3	STD3 240-173250/12	Y0032312.D
Level 4	STD4 240-173250/13	Y0032313.D
Level 5	STD5 240-173250/14	Y0032314.D
Level 6	STD6 240-173250/15	Y0032315.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Gasoline Range Organics [C6 - C10]	Ave	20303903 275298222	34099766	69201482	142553985	210002721	100 1600	200	400	800	1200
C6-C12	Ave	23640917 297175327	36893595	74389047	154188281	226570801	100 1600	200	400	800	1200
Trifluorotoluene (Surr)	Lin	259469 7711566	359383	795412	1558556	3134984	1.00 50.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average
Lin = Linear

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICV 240-173250/16 Calibration Date: 03/23/2015 22:10

Instrument ID: YPID Calib Start Date: 03/23/2015 18:47

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 03/23/2015 21:37

Lab File ID: Y0032316.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics [C6 - C10]	Ave	178633	152372		682	800	-14.7	20.0
C6-C12	Ave	195688	166099		679	800	-15.1	20.0
Trifluorotoluene (Surr)	Lin		160783		10.1	10.0	1.2	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICV 240-173250/16 Calibration Date: 03/23/2015 22:10

Instrument ID: YPID Calib Start Date: 03/23/2015 18:47

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 03/23/2015 21:37

Lab File ID: Y0032316.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Gasoline Range Organics [C6 - C10]	12.03	4.80	18.77
C6-C12	13.62	4.80	21.95
Trifluorotoluene (Surr)	9.69	9.43	9.93

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCVRT 240-175575/4 Calibration Date: 04/08/2015 13:42

Instrument ID: YPID Calib Start Date: 03/23/2015 18:47

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 03/23/2015 21:37

Lab File ID: Y0040804.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics [C6 - C10]	Ave	178633	175185		843	800	-1.9	20.0
C6-C12	Ave	195688	192193		838	800	-1.8	20.0
Trifluorotoluene (Surr)	Lin		152845		9.60	10.0	-4.0	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCVRT 240-175575/4 Calibration Date: 04/08/2015 13:42

Instrument ID: YPID Calib Start Date: 03/23/2015 18:47

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 03/23/2015 21:37

Lab File ID: Y0040804.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Gasoline Range Organics [C6 - C10]	11.80	4.82	18.77
C6-C12	13.39	4.82	21.96
Trifluorotoluene (Surr)	9.70	9.45	9.95

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175575/16 Calibration Date: 04/08/2015 20:42

Instrument ID: YPID Calib Start Date: 03/23/2015 18:47

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 03/23/2015 21:37

Lab File ID: Y0040816.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics [C6 - C10]	Ave	178633	172144		829	800	-3.6	20.0
C6-C12	Ave	195688	189985		828	800	-2.9	20.0
Trifluorotoluene (Surr)	Lin		153146		9.62	10.0	-3.8	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175575/16 Calibration Date: 04/08/2015 20:42

Instrument ID: YPID Calib Start Date: 03/23/2015 18:47

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 03/23/2015 21:37

Lab File ID: Y0040816.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Gasoline Range Organics [C6 - C10]	11.80	4.82	18.77
C6-C12	13.39	4.82	21.96
Trifluorotoluene (Surr)	9.70	9.45	9.95

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175575/19 Calibration Date: 04/08/2015 22:27

Instrument ID: YPID Calib Start Date: 03/23/2015 18:47

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 03/23/2015 21:37

Lab File ID: Y0040819.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics [C6 - C10]	Ave	178633	175830		846	800	-1.6	20.0
C6-C12	Ave	195688	191517		835	800	-2.1	20.0
Trifluorotoluene (Surr)	Lin		144947		9.09	10.0	-9.1	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175575/19 Calibration Date: 04/08/2015 22:27

Instrument ID: YPID Calib Start Date: 03/23/2015 18:47

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 03/23/2015 21:37

Lab File ID: Y0040819.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Gasoline Range Organics [C6 - C10]	11.80	4.82	18.77
C6-C12	13.39	4.82	21.96
Trifluorotoluene (Surr)	9.70	9.45	9.95

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175575/24 Calibration Date: 04/09/2015 01:22

Instrument ID: YPID Calib Start Date: 03/23/2015 18:47

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 03/23/2015 21:37

Lab File ID: Y0040824.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics [C6 - C10]	Ave	178633	165050		795	800	-7.6	20.0
C6-C12	Ave	195688	185942		810	800	-5.0	20.0
Trifluorotoluene (Surr)	Lin		139018		8.70	10.0	-13.0	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175575/24 Calibration Date: 04/09/2015 01:22

Instrument ID: YPID Calib Start Date: 03/23/2015 18:47

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 03/23/2015 21:37

Lab File ID: Y0040824.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Gasoline Range Organics [C6 - C10]	11.80	4.82	18.77
C6-C12	13.39	4.82	21.96
Trifluorotoluene (Surr)	9.70	9.45	9.95

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175575/34 Calibration Date: 04/09/2015 07:10

Instrument ID: YPID Calib Start Date: 03/23/2015 18:47

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 03/23/2015 21:37

Lab File ID: Y0040834.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics [C6 - C10]	Ave	178633	168193		810	800	-5.8	20.0
C6-C12	Ave	195688	189132		824	800	-3.4	20.0
Trifluorotoluene (Surr)	Lin		146192		9.17	10.0	-8.3	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175575/34 Calibration Date: 04/09/2015 07:10

Instrument ID: YPID Calib Start Date: 03/23/2015 18:47

GC Column: RTX-VRX ID: 0.45(mm) Calib End Date: 03/23/2015 21:37

Lab File ID: Y0040834.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Gasoline Range Organics [C6 - C10]	11.80	4.82	18.77
C6-C12	13.39	4.82	21.96
Trifluorotoluene (Surr)	9.70	9.45	9.95

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-175570/1-A

Matrix: Solid Lab File ID: Y0040825.D

Analysis Method: 8015C Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/09/2015 01:56

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 175575 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics [C6 - C10]	46	U	100	46

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	81		40-139

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-175570/2-A

Matrix: Solid Lab File ID: Y0040826.D

Analysis Method: 8015C Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/09/2015 02:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 175575 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics [C6 - C10]	769		100	46

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	100		40-139

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: Lab Sample ID: 180-42592-G-10-C MS

Matrix: Solid Lab File ID: Y0040828.D

Analysis Method: 8015C Date Collected: 03/31/2015 10:25

Sample wt/vol: 5.05(g) Date Analyzed: 04/09/2015 03:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: 14.6 Level: (low/med) Low

Analysis Batch No.: 175575 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics [C6 - C10]	587		120	53

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	81		40-139

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: Lab Sample ID: 180-42592-G-10-D MSD

Matrix: Solid Lab File ID: Y0040829.D

Analysis Method: 8015C Date Collected: 03/31/2015 10:25

Sample wt/vol: 5.04(g) Date Analyzed: 04/09/2015 04:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VRX ID: 0.45(mm)

% Moisture: 14.6 Level: (low/med) Low

Analysis Batch No.: 175575 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
8006-61-9	Gasoline Range Organics [C6 - C10]	624		120	53

CAS NO.	SURROGATE	%REC	Q	LIMITS
98-08-8	Trifluorotoluene (Surr)	90		40-139

GC VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: YPID Start Date: 03/23/2015 13:44

Analysis Batch Number: 173250 End Date: 03/23/2015 22:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-173250/1 IC		03/23/2015 13:44	1		RTX-VRX 0.45(mm)
STD2 240-173250/2 IC		03/23/2015 14:18	1		RTX-VRX 0.45(mm)
STD3 240-173250/3 IC		03/23/2015 14:52	1		RTX-VRX 0.45(mm)
STD4 240-173250/4 ICRT		03/23/2015 15:25	1		RTX-VRX 0.45(mm)
STD5 240-173250/5 IC		03/23/2015 15:58	1		RTX-VRX 0.45(mm)
STD6 240-173250/6 IC		03/23/2015 16:32	1		RTX-VRX 0.45(mm)
STD1 240-173250/10 IC		03/23/2015 18:47	1	Y0032310.D	RTX-VRX 0.45(mm)
STD2 240-173250/11 IC		03/23/2015 19:21	1	Y0032311.D	RTX-VRX 0.45(mm)
STD3 240-173250/12 IC		03/23/2015 19:54	1	Y0032312.D	RTX-VRX 0.45(mm)
STD4 240-173250/13 IC		03/23/2015 20:28	1	Y0032313.D	RTX-VRX 0.45(mm)
STD5 240-173250/14 IC		03/23/2015 21:01	1	Y0032314.D	RTX-VRX 0.45(mm)
STD6 240-173250/15 IC		03/23/2015 21:37	1	Y0032315.D	RTX-VRX 0.45(mm)
ICV 240-173250/16		03/23/2015 22:10	1	Y0032316.D	RTX-VRX 0.45(mm)

GC VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: YPID Start Date: 04/08/2015 13:42

Analysis Batch Number: 175575 End Date: 04/09/2015 07:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 240-175575/4		04/08/2015 13:42	1	Y0040804.D	RTX-VRX 0.45(mm)
ZZZZZ		04/08/2015 14:18	1		RTX-VRX 0.45(mm)
ZZZZZ		04/08/2015 14:52	1		RTX-VRX 0.45(mm)
ZZZZZ		04/08/2015 16:39	1		RTX-VRX 0.45(mm)
CCV 240-175575/16		04/08/2015 20:42	1	Y0040816.D	RTX-VRX 0.45(mm)
CCV 240-175575/19		04/08/2015 22:27	1	Y0040819.D	RTX-VRX 0.45(mm)
CCV 240-175575/24		04/09/2015 01:22	1	Y0040824.D	RTX-VRX 0.45(mm)
MB 240-175570/1-A		04/09/2015 01:56	1	Y0040825.D	RTX-VRX 0.45(mm)
LCS 240-175570/2-A		04/09/2015 02:31	1	Y0040826.D	RTX-VRX 0.45(mm)
ZZZZZ		04/09/2015 03:05	1		RTX-VRX 0.45(mm)
180-42592-G-10-C MS		04/09/2015 03:40	1	Y0040828.D	RTX-VRX 0.45(mm)
180-42592-G-10-D MSD		04/09/2015 04:14	1	Y0040829.D	RTX-VRX 0.45(mm)
240-49010-1	FILL-001	04/09/2015 06:34	1	Y0040833.D	RTX-VRX 0.45(mm)
CCV 240-175575/34		04/09/2015 07:10	1	Y0040834.D	RTX-VRX 0.45(mm)

GC VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Batch Number: 175570 Batch Start Date: 04/08/15 11:04 Batch Analyst: Reed, Rachel T

Batch Method: 5030A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 240-175570/1		5030A, 8015C		5 g	5 mL				
LCS 240-175570/2		5030A, 8015C		5 g	5 mL				
180-42592-G-10 MS		5030A, 8015C	T	5.05 g	5 mL				
180-42592-G-10 MSD		5030A, 8015C	T	5.04 g	5 mL				
240-49010-C-1	FILL-001	5030A, 8015C	T	5.01 g	5 mL				

Batch Notes	
Balance ID	B045
Blank Soil Lot Number	1757979

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8015C - DRO

Nonhalogenated Organics using GC/FID - Modified (Diesel Range Organics) by Method 8015C

FORM II
DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ID:

Client Sample ID	Lab Sample ID	OTPH1 #
FILL-001	240-49010-1	100
	MB 240-175550/7-A	92
	LCS 240-175550/8-A	87
FILL-001 MS	240-49010-1 MS	93
FILL-001 MSD	240-49010-1 MSD	87

	QC LIMITS
OTPH = o-Terphenyl (Surr)	40-160

Column to be used to flag recovery values

FORM II 8015C

FORM III
DIESEL RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P5F40917.D

Lab ID: LCS 240-175550/8-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Diesel	83.3	70.4	85	52-120	

Column to be used to flag recovery and RPD values

FORM III 8015C

FORM III
DIESEL RANGE ORGANICS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P5F40921.D

Lab ID: 240-49010-1 MS Client ID: FILL-001 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Diesel	88.9	9.1 J	74.4	73	10-124	

Column to be used to flag recovery and RPD values

FORM III 8015C

FORM III
DIESEL RANGE ORGANICS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P5F40922.D

Lab ID: 240-49010-1 MSD Client ID: FILL-001 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Diesel	89.1	68.3	66	9	40	10-124	

Column to be used to flag recovery and RPD values

FORM III 8015C

FORM IV
DIESEL RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: MB 240-175550/7-A

Matrix: Solid Date Extracted: 04/08/2015 09:35

Lab File ID:(1) P5F40916.D Lab File ID:(2)

Date Analyzed:(1) 04/09/2015 22:23 Date Analyzed:(2)

Instrument ID:(1) A2HP5F Instrument ID:(2)

GC Column:(1) ID: GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 240-175550/8-A	04/09/2015 22:53	
FILL-001	240-49010-1	04/10/2015 00:24	
FILL-001 MS	240-49010-1 MS	04/10/2015 00:55	
FILL-001 MSD	240-49010-1 MSD	04/10/2015 01:25	

FORM VIII
DIESEL RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Sample No.: STD3 240-172821/9 Date Analyzed: 03/19/2015 16:13

Instrument ID: A2HP5F GC Column: ID: ()

Lab File ID (Standard): P5F31909.D Heated Purge: (Y/N) N

Calibration ID: 27446

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				OTPH		
				RT #		
INITIAL CALIBRATION SURROGATE				9.63		
UPPER LIMIT				9.73		
LOWER LIMIT				9.53		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD3 240-172821/9 ICRT		03/19/2015 16:13	P5F31909.D	9.63		

Column used to flag values outside QC limits

FORM VIII
DIESEL RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Sample No.: CCV 240-175823/7 Date Analyzed: 04/09/2015 17:50

Instrument ID: A2HP5F GC Column: ID: ()

Lab File ID (Standard): P5F40907.D Heated Purge: (Y/N) N

Calibration ID: 27446

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				OTPH		
				RT #		
CONTINUING CALIBRATION SURROGATE				9.63		
UPPER LIMIT				9.73		
LOWER LIMIT				9.53		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-175823/7 CCVRT		04/09/2015 17:50	P5F40907.D	9.63		
CCV 240-175823/15		04/09/2015 21:53	P5F40915.D	9.63		
MB 240-175550/7-A		04/09/2015 22:23	P5F40916.D	9.63		
LCS 240-175550/8-A		04/09/2015 22:53	P5F40917.D	9.63		
240-49010-1	FILL-001	04/10/2015 00:24	P5F40920.D	9.63		
240-49010-1 MS	FILL-001 MS	04/10/2015 00:55	P5F40921.D	9.63		
240-49010-1 MSD	FILL-001 MSD	04/10/2015 01:25	P5F40922.D	9.63		
CCV 240-175823/24		04/10/2015 02:25	P5F40924.D	9.63		

OTPH = o-Terphenyl

OTPH RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015C

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 | Lab Sample ID: 240-49010-1

Matrix: Solid | Lab File ID: P5F40920.D

Analysis Method: 8015C | Date Collected: 04/06/2015 15:00

Extraction Method: 3540C | Date Extracted: 04/08/2015 09:35

Sample wt/vol: 30.15(g) | Date Analyzed: 04/10/2015 00:24

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 7.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175823 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00141	Total Petroleum Hydrocarbons (C10-C32)	18		18	4.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl (Surr)	100		40-160

FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 172821

SDG No.:

Instrument ID: A2HP5F GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2015 15:12 Calibration End Date: 03/19/2015 17:14 Calibration ID: 27446

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-172821/7	P5F31907.D
Level 2	STD2 240-172821/8	P5F31908.D
Level 3	STD3 240-172821/9	P5F31909.D
Level 4	STD4 240-172821/10	P5F31910.D
Level 5	STD5 240-172821/11	P5F31911.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Diesel Range Organics [C10 - C28]	9.083	9.083	9.083	9.083	9.083						4.821 - 13.346	9.083
o-Terphenyl (Surr)	9.628	9.627	9.629	9.629	9.632						9.528 - 9.728	9.629

FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 172821

SDG No.:

Instrument ID: A2HP5F GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2015 15:12 Calibration End Date: 03/19/2015 17:14 Calibration ID: 27446

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-172821/7	P5F31907.D
Level 2	STD2 240-172821/8	P5F31908.D
Level 3	STD3 240-172821/9	P5F31909.D
Level 4	STD4 240-172821/10	P5F31910.D
Level 5	STD5 240-172821/11	P5F31911.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Diesel Range Organics [C10 - C28]	200489 180936	168876	178835	174683	Ave		180763.985				6.6		20.0			
o-Terphenyl (Surr)	209643 203361	196532	195628	193881	Ave		199808.935				3.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 172821

SDG No.:

Instrument ID: A2HP5F GC Column: ID: Heated Purge: (Y/N) N

Calibration Start Date: 03/19/2015 15:12 Calibration End Date: 03/19/2015 17:14 Calibration ID: 27446

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-172821/7	P5F31907.D
Level 2	STD2 240-172821/8	P5F31908.D
Level 3	STD3 240-172821/9	P5F31909.D
Level 4	STD4 240-172821/10	P5F31910.D
Level 5	STD5 240-172821/11	P5F31911.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Diesel Range Organics [C10 - C28]	Ave	20053866	33783672	89439711	174726263	361962738	100	200	500	1000	2000
o-Terphenyl (Surr)	Ave	1677144	3144512	7825122	15510468	32537724	8.00	16.0	40.0	80.0	160

Curve Type Legend:
Ave = Average

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICV 240-172821/12 Calibration Date: 03/19/2015 17:44

Instrument ID: A2HP5F Calib Start Date: 03/19/2015 15:12

GC Column: ID: Calib End Date: 03/19/2015 17:14

Lab File ID: P5F31912.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	180764	190352		528	501	5.3	20.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICV 240-172821/12 Calibration Date: 03/19/2015 17:44

Instrument ID: A2HP5F Calib Start Date: 03/19/2015 15:12

GC Column: ID: Calib End Date: 03/19/2015 17:14

Lab File ID: P5F31912.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.08	4.82	13.35

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175823/7 Calibration Date: 04/09/2015 17:50

Instrument ID: A2HP5F Calib Start Date: 03/19/2015 15:12

GC Column: ID: Calib End Date: 03/19/2015 17:14

Lab File ID: P5F40907.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	180764	186581		516	500	3.2	20.0
o-Terphenyl (Surr)	Ave	199809	235931		47.2	40.0	18.1	20.0

FORM VII

DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175823/7 Calibration Date: 04/09/2015 17:50

Instrument ID: A2HP5F Calib Start Date: 03/19/2015 15:12

GC Column: ID: Calib End Date: 03/19/2015 17:14

Lab File ID: P5F40907.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.83	13.35
o-Terphenyl (Surr)	9.63	9.53	9.73

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175823/15 Calibration Date: 04/09/2015 21:53

Instrument ID: A2HP5F Calib Start Date: 03/19/2015 15:12

GC Column: ID: Calib End Date: 03/19/2015 17:14

Lab File ID: P5F40915.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	180764	205783		569	500	13.8	20.0
o-Terphenyl (Surr)	Ave	199809	260828		52.2	40.0	30.5*	20.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175823/15 Calibration Date: 04/09/2015 21:53

Instrument ID: A2HP5F Calib Start Date: 03/19/2015 15:12

GC Column: ID: Calib End Date: 03/19/2015 17:14

Lab File ID: P5F40915.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.83	13.35
o-Terphenyl (Surr)	9.63	9.53	9.73

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175823/24 Calibration Date: 04/10/2015 02:25

Instrument ID: A2HP5F Calib Start Date: 03/19/2015 15:12

GC Column: ID: Calib End Date: 03/19/2015 17:14

Lab File ID: P5F40924.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	180764	196664		544	500	8.8	20.0
o-Terphenyl (Surr)	Ave	199809	255621		51.2	40.0	27.9*	20.0

FORM VII

DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175823/24 Calibration Date: 04/10/2015 02:25

Instrument ID: A2HP5F Calib Start Date: 03/19/2015 15:12

GC Column: ID: Calib End Date: 03/19/2015 17:14

Lab File ID: P5F40924.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.83	13.35
o-Terphenyl (Surr)	9.63	9.53	9.73

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-175550/7-A

Matrix: Solid | Lab File ID: P5F40916.D

Analysis Method: 8015C | Date Collected:

Extraction Method: 3540C | Date Extracted: 04/08/2015 09:35

Sample wt/vol: 30(g) | Date Analyzed: 04/09/2015 22:23

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175823 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00141	Total Petroleum Hydrocarbons (C10-C32)	4.1	U	17	4.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl (Surr)	92		40-160

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-175550/8-A

Matrix: Solid Lab File ID: P5F40917.D

Analysis Method: 8015C Date Collected:

Extraction Method: 3540C Date Extracted: 04/08/2015 09:35

Sample wt/vol: 30(g) Date Analyzed: 04/09/2015 22:53

Con. Extract Vol.: 5(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 175823 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl (Surr)	87		40-160

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 MS | Lab Sample ID: 240-49010-1 MS

Matrix: Solid | Lab File ID: P5F40921.D

Analysis Method: 8015C | Date Collected: 04/06/2015 15:00

Extraction Method: 3540C | Date Extracted: 04/08/2015 09:35

Sample wt/vol: 30.38(g) | Date Analyzed: 04/10/2015 00:55

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 7.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175823 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00141	Total Petroleum Hydrocarbons (C10-C32)	77.9		18	4.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl (Surr)	93		40-160

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 MSD | Lab Sample ID: 240-49010-1 MSD

Matrix: Solid | Lab File ID: P5F40922.D

Analysis Method: 8015C | Date Collected: 04/06/2015 15:00

Extraction Method: 3540C | Date Extracted: 04/08/2015 09:35

Sample wt/vol: 30.29(g) | Date Analyzed: 04/10/2015 01:25

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: | ID:

% Moisture: 7.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 175823 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00141	Total Petroleum Hydrocarbons (C10-C32)	71.5		18	4.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl (Surr)	87		40-160

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A2HP5F Start Date: 03/19/2015 15:12

Analysis Batch Number: 172821 End Date: 03/20/2015 12:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-172821/7 IC		03/19/2015 15:12	1	P5F31907.D	
STD2 240-172821/8 IC		03/19/2015 15:43	1	P5F31908.D	
STD3 240-172821/9 ICRT		03/19/2015 16:13	1	P5F31909.D	
STD4 240-172821/10 IC		03/19/2015 16:44	1	P5F31910.D	
STD5 240-172821/11 IC		03/19/2015 17:14	1	P5F31911.D	
ICV 240-172821/12		03/19/2015 17:44	1	P5F31912.D	
ZZZZZ		03/19/2015 18:15	1		
ZZZZZ		03/19/2015 18:45	1		
ZZZZZ		03/19/2015 19:16	1		
CCV 240-172821/16		03/19/2015 19:46	1		
ZZZZZ		03/19/2015 20:16	1		
ZZZZZ		03/19/2015 20:47	1		
ZZZZZ		03/19/2015 21:17	1		
ZZZZZ		03/19/2015 21:47	5		
ZZZZZ		03/19/2015 22:17	5		
ZZZZZ		03/19/2015 22:48	5		
ZZZZZ		03/19/2015 23:18	5		
ZZZZZ		03/19/2015 23:48	5		
ZZZZZ		03/20/2015 00:18	5		
ZZZZZ		03/20/2015 00:49	5		
CCV 240-172821/27		03/20/2015 01:19	1		
ZZZZZ		03/20/2015 01:49	5		
ZZZZZ		03/20/2015 02:19	5		
ZZZZZ		03/20/2015 02:49	5		
CCV 240-172821/31		03/20/2015 03:19	1		
ZZZZZ		03/20/2015 03:49	1		
ZZZZZ		03/20/2015 04:19	1		
ZZZZZ		03/20/2015 04:49	1		
CCV 240-172821/35		03/20/2015 05:18	1		
CCV 240-172821/37		03/20/2015 11:27	1		
ZZZZZ		03/20/2015 11:57	10		
CCV 240-172821/39		03/20/2015 12:27	1		

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A2HP5F Start Date: 04/09/2015 17:50

Analysis Batch Number: 175823 End Date: 04/10/2015 02:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-175823/7 CCVRT		04/09/2015 17:50	1	P5F40907.D	
ZZZZZ		04/09/2015 18:21	1		
ZZZZZ		04/09/2015 18:51	1		
ZZZZZ		04/09/2015 19:21	1		
ZZZZZ		04/09/2015 19:52	1		
ZZZZZ		04/09/2015 20:22	1		
CCV 240-175823/15		04/09/2015 21:53	1	P5F40915.D	
MB 240-175550/7-A		04/09/2015 22:23	1	P5F40916.D	
LCS 240-175550/8-A		04/09/2015 22:53	1	P5F40917.D	
240-49010-1	FILL-001	04/10/2015 00:24	1	P5F40920.D	
240-49010-1 MS	FILL-001 MS	04/10/2015 00:55	1	P5F40921.D	
240-49010-1 MSD	FILL-001 MSD	04/10/2015 01:25	1	P5F40922.D	
CCV 240-175823/24		04/10/2015 02:25	1	P5F40924.D	

DIESEL RANGE ORGANICS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Batch Number: 175550 Batch Start Date: 04/08/15 12:45 Batch Analyst: Earle, Steve

Batch Method: 3540C Batch End Date: 04/09/15 04:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EXDIESELSPKW 00062	EXOTPSURRW 00001		
240-49010-E-1	FILL-001	3540C, 8015C	T	30.15 g	5 mL		1 mL		
240-49010-E-1 MS	FILL-001	3540C, 8015C	T	30.38 g	5 mL	1 mL	1 mL		
240-49010-E-1 MSD	FILL-001	3540C, 8015C	T	30.29 g	5 mL	1 mL	1 mL		
MB 240-175550/7		3540C, 8015C		30 g	5 mL		1 mL		
LCS 240-175550/8		3540C, 8015C		30 g	5 mL	1 mL	1 mL		

Batch Notes	
Balance ID	b037
Na2SO4 Lot Number	1942694
Prep Solvent Lot #	1937120

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8082A

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	DCB1 #
FILL-001	240-49010-1	88	104
	MB 240-175553/17-A	61	95
	LCS 240-175553/18-A	64	101

	QC LIMITS
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P4000009.D

Lab ID: LCS 240-175553/18-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	333	252	76	62-120	
Aroclor-1260	333	311	93	56-122	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: MB 240-175553/17-A

Matrix: Solid Date Extracted: 04/08/2015 09:49

Lab File ID:(1) P4000008.D Lab File ID:(2)

Date Analyzed:(1) 04/10/2015 12:19 Date Analyzed:(2)

Instrument ID:(1) A2HP4 Instrument ID:(2)

GC Column:(1) CLP-2 ID: 0.53(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 240-175553/18-A	04/10/2015 12:35	
FILL-001	240-49010-1	04/10/2015 15:27	

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Sample No.: STD05 240-174472/31 Date Analyzed: 04/01/2015 01:09

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P4000031.D Heated Purge: (Y/N) N

Calibration ID: 27599

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				1.74	7.96	
UPPER LIMIT				1.84	8.06	
LOWER LIMIT				1.64	7.86	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD05 240-174472/31 ICRT		04/01/2015 01:09	P4000031.D	1.74	7.96	

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Sample No.: CCV 240-175923/3 Date Analyzed: 04/10/2015 11:01

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): P4000003.D Heated Purge: (Y/N) N

Calibration ID: 27599

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.75	7.97	
UPPER LIMIT				1.85	8.07	
LOWER LIMIT				1.65	7.87	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-175923/3 CCVRT		04/10/2015 11:01	P4000003.D	1.75	7.97	
MB 240-175553/17-A		04/10/2015 12:19	P4000008.D	1.75	7.97	
LCS 240-175553/18-A		04/10/2015 12:35	P4000009.D	1.75	7.97	
CCV 240-175923/10		04/10/2015 12:50	P4000010.D	1.75	7.97	
240-49010-1	FILL-001	04/10/2015 15:27	P4000020.D	1.75	7.97	
CCV 240-175923/25		04/10/2015 16:46	P4000025.D	1.75	7.97	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0 minutes of surrogate RT
DCB RT Limit = ± 0 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-175553/18-A

Instrument ID (1): A2HP4 Instrument ID (2):

Date Analyzed (1): 04/10/2015 12:35 Date Analyzed (2):

GC Column (1): CLP-2 ID: 0.53(mm) GC Column (2): ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
Aroclor-1016	2	1	2.22	2.12	2.32	207	252	
		2	2.62	2.52	2.72	242		
		3	3.08	2.98	3.18	281		
		4	3.22	3.12	3.32	260		
		5	3.71	3.61	3.81	271		
Aroclor-1260	2	1	5.05	4.95	5.15	309	311	
		2	5.28	5.18	5.38	314		
		3	5.65	5.55	5.75	344		
		4	6.34	6.24	6.44	297		
		5	6.72	6.62	6.82	293		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: FILL-001 Lab Sample ID: 240-49010-1

Matrix: Solid Lab File ID: P4000020.D

Analysis Method: 8082A Date Collected: 04/06/2015 15:00

Extraction Method: 3540C Date Extracted: 04/08/2015 09:49

Sample wt/vol: 30.00(g) Date Analyzed: 04/10/2015 15:27

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: 7.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 175923 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	13	U	36	13
11104-28-2	Aroclor-1221	17	U	36	17
11141-16-5	Aroclor-1232	22	U	36	22
53469-21-9	Aroclor-1242	12	U	36	12
12672-29-6	Aroclor-1248	8.6	U	36	8.6
11097-69-1	Aroclor-1254	15	U	36	15
11096-82-5	Aroclor-1260	9.7	U	36	9.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		29-151
2051-24-3	DCB Decachlorobiphenyl	104		14-163

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 174472

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2015 18:06 Calibration End Date: 03/31/2015 19:25 Calibration ID: 27605

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-174472/4	P4000004.D
Level 2	STD01 240-174472/5	P4000005.D
Level 3	STD02 240-174472/6	P4000006.D
Level 4	STD05 240-174472/7	P4000007.D
Level 5	STD1 240-174472/8	P4000008.D
Level 6	STD2 240-174472/9	P4000009.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1232 Peak 1	2.201	2.201	2.201	2.201	2.201	2.200					2.101 - 2.301	2.201
PCB-1232 Peak 2	2.602	2.602	2.603	2.603	2.603	2.603					2.502 - 2.702	2.603
PCB-1232 Peak 3	3.060	3.059	3.059	3.059	3.059	3.061					2.960 - 3.160	3.060
PCB-1232 Peak 4	3.199	3.199	3.200	3.199	3.200	3.200					3.099 - 3.299	3.200
PCB-1232 Peak 5	3.689	3.687	3.688	3.689	3.689	3.690					3.589 - 3.789	3.689
PCB-1262 Peak 1	5.259	5.261	5.260	5.260	5.261	5.261					5.159 - 5.359	5.260
PCB-1262 Peak 2	5.735	5.735	5.735	5.734	5.735	5.736					5.635 - 5.835	5.735
PCB-1262 Peak 3	6.045	6.045	6.045	6.045	6.045	6.046					5.945 - 6.145	6.045
PCB-1262 Peak 4	6.321	6.321	6.320	6.320	6.321	6.321					6.221 - 6.421	6.321
PCB-1262 Peak 5	6.704	6.704	6.704	6.704	6.704	6.704					6.604 - 6.804	6.704

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 174472

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2015 18:06 Calibration End Date: 03/31/2015 19:25 Calibration ID: 27605

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-174472/4	P4000004.D
Level 2	STD01 240-174472/5	P4000005.D
Level 3	STD02 240-174472/6	P4000006.D
Level 4	STD05 240-174472/7	P4000007.D
Level 5	STD1 240-174472/8	P4000008.D
Level 6	STD2 240-174472/9	P4000009.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1232 Peak 1	43380380 35151360	41844350 33384862	40540745	38193710	Ave		38749234.4				10.1		20.0			
PCB-1232 Peak 2	33261200 27959946	32644680 26701516	32061870	30336136	Ave		30494224.7				8.7		20.0			
PCB-1232 Peak 3	64580780 57679623	62615070 56876846	62527660	60965842	Ave		60874303.5				5.0		20.0			
PCB-1232 Peak 4	29245160 24934532	28564110 24398450	27931935	26784928	Ave		26976519.2				7.3		20.0			
PCB-1232 Peak 5	24455080 17664146	27521400 17124375	22493405	19781644	Ave		21506675.0				18.9		20.0			
PCB-1262 Peak 1	83662760 71272101	78062280 69780509	78398440	76151736	Ave		76221304.3				6.7		20.0			
PCB-1262 Peak 2	122504380 109333332	118144980 107434673	121152275	116811236	Ave		115896813				5.3		20.0			
PCB-1262 Peak 3	106772800 95793326	102569450 94354877	105158035	101969998	Ave		101103081				4.9		20.0			
PCB-1262 Peak 4	229863640 211079207	220883150 208817079	230463800	225234222	Ave		221056850				4.2		20.0			
PCB-1262 Peak 5	180347180 150692099	165826480 148913571	166940780	162081666	Ave		162466963				7.1		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 174472

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2015 18:06 Calibration End Date: 03/31/2015 19:25 Calibration ID: 27605

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-174472/4	P4000004.D
Level 2	STD01 240-174472/5	P4000005.D
Level 3	STD02 240-174472/6	P4000006.D
Level 4	STD05 240-174472/7	P4000007.D
Level 5	STD1 240-174472/8	P4000008.D
Level 6	STD2 240-174472/9	P4000009.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Ave	2169019 66769723	4184435	8108149	19096855	35151360	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	Ave	1663060 53403032	3264468	6412374	15168068	27959946	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	Ave	3229039 113753692	6261507	12505532	30482921	57679623	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	Ave	1462258 48796900	2856411	5586387	13392464	24934532	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	Ave	1222754 34248750	2752140	4498681	9890822	17664146	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 1	Ave	4183138 139561017	7806228	15679688	38075868	71272101	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 2	Ave	6125219 214869346	11814498	24230455	58405618	109333332	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 3	Ave	5338640 188709753	10256945	21031607	50984999	95793326	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 4	Ave	11493182 417634158	22088315	46092760	112617111	211079207	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 5	Ave	9017359 297827142	16582648	33388156	81040833	150692099	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 174472

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2015 19:40 Calibration End Date: 03/31/2015 20:59 Calibration ID: 27611

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-174472/10	P4000010.D
Level 2	STD01 240-174472/11	P4000011.D
Level 3	STD02 240-174472/12	P4000012.D
Level 4	STD05 240-174472/13	P4000013.D
Level 5	STD1 240-174472/14	P4000014.D
Level 6	STD2 240-174472/15	P4000015.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1242 Peak 1	2.201	2.200	2.200	2.200	2.201	2.201					2.101 - 2.301	2.201
PCB-1242 Peak 2	2.603	2.603	2.603	2.603	2.603	2.603					2.503 - 2.703	2.603
PCB-1242 Peak 3	3.059	3.059	3.059	3.060	3.059	3.059					2.959 - 3.159	3.059
PCB-1242 Peak 4	3.200	3.199	3.198	3.200	3.199	3.200					3.100 - 3.300	3.199
PCB-1242 Peak 5	3.688	3.689	3.688	3.690	3.690	3.689					3.588 - 3.788	3.689
PCB-1268 Peak 1	6.701	6.701	6.700	6.701	6.702	6.702					6.601 - 6.801	6.701
PCB-1268 Peak 2	6.749	6.748	6.748	6.749	6.751	6.750					6.649 - 6.849	6.749
PCB-1268 Peak 3	7.017	7.016	7.016	7.016	7.017	7.018					6.917 - 7.117	7.017
PCB-1268 Peak 4	7.330	7.331	7.330	7.330	7.332	7.331					7.230 - 7.430	7.331
PCB-1268 Peak 5	7.677	7.677	7.676	7.677	7.677	7.678					7.577 - 7.777	7.677

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 174472

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2015 19:40 Calibration End Date: 03/31/2015 20:59 Calibration ID: 27611

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-174472/10	P4000010.D
Level 2	STD01 240-174472/11	P4000011.D
Level 3	STD02 240-174472/12	P4000012.D
Level 4	STD05 240-174472/13	P4000013.D
Level 5	STD1 240-174472/14	P4000014.D
Level 6	STD2 240-174472/15	P4000015.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	29813000 25080677	29649120 23714609	26901110	25707498	Ave		26811002.4				9.3		20.0			
PCB-1242 Peak 2	57079820 46551817	55068850 43934565	49888210	47567308	Ave		50015094.9				10.2		20.0			
PCB-1242 Peak 3	110686480 105456485	113292690 101708158	105362160	104193458	Ave		106783239				4.1		20.0			
PCB-1242 Peak 4	48423760 44151488	50083980 42678918	45457805	44239662	Ave		45839268.8				6.2		20.0			
PCB-1242 Peak 5	47338760 34596615	42275720 33357424	37753180	34356500	Ave		38279699.8				14.4		20.0			
PCB-1268 Peak 1	280099920 255702882	277817060 249868245	261948510	253200146	Ave		263106127				4.9		20.0			
PCB-1268 Peak 2	262777580 247054322	267542770 243936822	250461935	247290068	Ave		253177249				3.8		20.0			
PCB-1268 Peak 3	223632860 212589065	228070630 208806571	214609095	211804524	Ave		216585457				3.5		20.0			
PCB-1268 Peak 4	98485040 91299092	100038360 89583483	93027920	90816940	Ave		93875139.1				4.6		20.0			
PCB-1268 Peak 5	687649680 660479471	706137900 658910316	667340850	657264604	Ave		672963804				2.9		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 174472

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2015 19:40 Calibration End Date: 03/31/2015 20:59 Calibration ID: 27611

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-174472/10	P4000010.D
Level 2	STD01 240-174472/11	P4000011.D
Level 3	STD02 240-174472/12	P4000012.D
Level 4	STD05 240-174472/13	P4000013.D
Level 5	STD1 240-174472/14	P4000014.D
Level 6	STD2 240-174472/15	P4000015.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Ave	1490650 47429219	2964912	5380222	12853749	25080677	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	Ave	2853991 87869129	5506885	9977642	23783654	46551817	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	Ave	5534324 203416316	11329269	21072432	52096729	105456485	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	Ave	2421188 85357836	5008398	9091561	22119831	44151488	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	Ave	2366938 66714848	4227572	7550636	17178250	34596615	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 1	Ave	14004996 499736490	27781706	52389702	126600073	255702882	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 2	Ave	13138879 487873643	26754277	50092387	123645034	247054322	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 3	Ave	11181643 417613141	22807063	42921819	105902262	212589065	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 4	Ave	4924252 179166965	10003836	18605584	45408470	91299092	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 5	Ave	34382484 1317820632	70613790	133468170	328632302	660479471	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

FORM VI

PCBS INITIAL CALIBRATION DATA

EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 174472

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2015 21:14 Calibration End Date: 03/31/2015 22:33 Calibration ID: 27617

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-174472/16	P4000016.D
Level 2	STD01 240-174472/17	P4000017.D
Level 3	STD02 240-174472/18	P4000018.D
Level 4	STD05 240-174472/19	P4000019.D
Level 5	STD1 240-174472/20	P4000020.D
Level 6	STD2 240-174472/21	P4000021.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1248 Peak 1	2.602	2.603	2.605	2.604	2.603	2.604					2.502 - 2.702	2.604
PCB-1248 Peak 2	3.058	3.058	3.061	3.061	3.059	3.060					2.958 - 3.158	3.060
PCB-1248 Peak 3	3.816	3.817	3.820	3.819	3.818	3.819					3.716 - 3.916	3.818
PCB-1248 Peak 4	4.135	4.136	4.140	4.138	4.138	4.138					4.035 - 4.235	4.138
PCB-1248 Peak 5	4.821	4.821	4.825	4.824	4.823	4.823					4.721 - 4.921	4.823

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 174472

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2015 21:14 Calibration End Date: 03/31/2015 22:33 Calibration ID: 27617

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-174472/16	P4000016.D
Level 2	STD01 240-174472/17	P4000017.D
Level 3	STD02 240-174472/18	P4000018.D
Level 4	STD05 240-174472/19	P4000019.D
Level 5	STD1 240-174472/20	P4000020.D
Level 6	STD2 240-174472/21	P4000021.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	29027440 23002247	27019020 22918197	25511780	23966254	Ave		25240822.9				9.6		20.0			
PCB-1248 Peak 2	75075400 66440096	71554730 68051867	68705920	66842322	Ave		69445055.8				4.8		20.0			
PCB-1248 Peak 3	68400400 61621973	67142230 63038338	64434280	62414332	Ave		64508592.2				4.2		20.0			
PCB-1248 Peak 4	80263940 71011760	76098710 72525884	73467500	71288652	Ave		74109407.6				4.8		20.0			
PCB-1248 Peak 5	41852980 36276840	40017940 37716350	38342755	36976724	Ave		38530598.1				5.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 174472

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2015 21:14 Calibration End Date: 03/31/2015 22:33 Calibration ID: 27617

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-174472/16	P4000016.D
Level 2	STD01 240-174472/17	P4000017.D
Level 3	STD02 240-174472/18	P4000018.D
Level 4	STD05 240-174472/19	P4000019.D
Level 5	STD1 240-174472/20	P4000020.D
Level 6	STD2 240-174472/21	P4000021.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	1451372 45836393	2701902	5102356	11983127	23002247	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	Ave	3753770 136103733	7155473	13741184	33421161	66440096	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	Ave	3420020 126076676	6714223	12886856	31207166	61621973	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	Ave	4013197 145051767	7609871	14693500	35644326	71011760	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	Ave	2092649 75432699	4001794	7668551	18488362	36276840	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 174472

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2015 22:48 Calibration End Date: 04/01/2015 00:07 Calibration ID: 27623

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-174472/22	P4000022.D
Level 2	STD01 240-174472/23	P4000023.D
Level 3	STD02 240-174472/24	P4000024.D
Level 4	STD05 240-174472/25	P4000025.D
Level 5	STD1 240-174472/26	P4000026.D
Level 6	STD2 240-174472/27	P4000027.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1221 Peak 1	2.014	2.014	2.014	2.013	2.014	2.014					1.914 - 2.114	2.014
PCB-1221 Peak 2	2.148	2.149	2.148	2.147	2.147	2.148					2.048 - 2.248	2.148
PCB-1221 Peak 3	2.205	2.205	2.206	2.205	2.204	2.205					2.105 - 2.305	2.205
PCB-1254 Peak 1	4.136	4.136	4.136	4.135	4.135	4.136					4.036 - 4.236	4.136
PCB-1254 Peak 2	4.345	4.346	4.346	4.344	4.344	4.345					4.245 - 4.445	4.345
PCB-1254 Peak 3	4.826	4.826	4.826	4.824	4.824	4.825					4.726 - 4.926	4.825
PCB-1254 Peak 4	5.070	5.070	5.071	5.069	5.069	5.070					4.970 - 5.170	5.070
PCB-1254 Peak 5	5.639	5.639	5.639	5.637	5.639	5.639					5.539 - 5.739	5.639

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton | Job No.: 240-49010-1 | Analy Batch No.: 174472

SDG No.:

Instrument ID: A2HP4 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2015 22:48 | Calibration End Date: 04/01/2015 00:07 | Calibration ID: 27623

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-174472/22	P4000022.D
Level 2	STD01 240-174472/23	P4000023.D
Level 3	STD02 240-174472/24	P4000024.D
Level 4	STD05 240-174472/25	P4000025.D
Level 5	STD1 240-174472/26	P4000026.D
Level 6	STD2 240-174472/27	P4000027.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1221 Peak 1	21439080 17781529	20492660 16987116	19040150	17866370	Ave		18934484.2				9.1		20.0			
PCB-1221 Peak 2	14277820 11725972	13632950 11052569	12956810	11929432	Ave		12595925.4				9.8		20.0			
PCB-1221 Peak 3	53158660 43490774	50669820 40886783	47318135	43997808	Ave		46586996.7				10.0		20.0			
PCB-1254 Peak 1	75112620 65526668	72270250 62729466	66963505	63877396	Ave		67746650.8				7.2		20.0			
PCB-1254 Peak 2	88085180 76746355	83898170 74354666	78396360	75491376	Ave		79495351.2				6.8		20.0			
PCB-1254 Peak 3	130998660 121040079	128404040 116575621	120396835	118502296	Ave		122652922				4.7		20.0			
PCB-1254 Peak 4	94680980 88943537	92653470 85135736	88039205	86174176	Ave		89271183.9				4.2		20.0			
PCB-1254 Peak 5	122953220 112252139	118356660 109244191	112076085	109859680	Ave		114123662				4.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 174472

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/31/2015 22:48 Calibration End Date: 04/01/2015 00:07 Calibration ID: 27623

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-174472/22	P4000022.D
Level 2	STD01 240-174472/23	P4000023.D
Level 3	STD02 240-174472/24	P4000024.D
Level 4	STD05 240-174472/25	P4000025.D
Level 5	STD1 240-174472/26	P4000026.D
Level 6	STD2 240-174472/27	P4000027.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Ave	1071954 33974232	2049266	3808030	8933185	17781529	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	Ave	713891 22105137	1363295	2591362	5964716	11725972	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	Ave	2657933 81773566	5066982	9463627	21998904	43490774	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	Ave	3755631 125458932	7227025	13392701	31938698	65526668	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	Ave	4404259 148709332	8389817	15679272	37745688	76746355	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	Ave	6549933 233151242	12840404	24079367	59251148	121040079	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	Ave	4734049 170271471	9265347	17607841	43087088	88943537	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	Ave	6147661 218488381	11835666	22415217	54929840	112252139	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Ave = Average

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 174472

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2015 00:22 Calibration End Date: 04/01/2015 01:41 Calibration ID: 27599

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-174472/28	P4000028.D
Level 2	STD01 240-174472/29	P4000029.D
Level 3	STD02 240-174472/30	P4000030.D
Level 4	STD05 240-174472/31	P4000031.D
Level 5	STD1 240-174472/32	P4000032.D
Level 6	STD2 240-174472/33	P4000033.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1016 Peak 1	2.206	2.206	2.210	2.210	2.209	2.210					2.110 - 2.310	2.209
PCB-1016 Peak 2	2.608	2.609	2.613	2.612	2.612	2.612					2.512 - 2.712	2.611
PCB-1016 Peak 3	3.065	3.065	3.070	3.070	3.069	3.069					2.970 - 3.170	3.068
PCB-1016 Peak 4	3.206	3.207	3.211	3.211	3.209	3.209					3.111 - 3.311	3.209
PCB-1016 Peak 5	3.694	3.696	3.700	3.700	3.699	3.699					3.600 - 3.800	3.698
PCB-1260 Peak 1	5.036	5.037	5.042	5.043	5.040	5.042					4.943 - 5.143	5.040
PCB-1260 Peak 2	5.266	5.268	5.273	5.272	5.271	5.272					5.172 - 5.372	5.270
PCB-1260 Peak 3	5.637	5.639	5.643	5.644	5.643	5.642					5.544 - 5.744	5.641
PCB-1260 Peak 4	6.326	6.327	6.333	6.332	6.331	6.332					6.232 - 6.432	6.330
PCB-1260 Peak 5	6.709	6.712	6.717	6.718	6.717	6.717					6.618 - 6.818	6.715
Tetrachloro-m-xylene	1.734	1.735	1.738	1.738	1.737	1.738					1.638 - 1.838	1.737
DCB Decachlorobiphenyl	7.957	7.958	7.962	7.962	7.962	7.962					7.862 - 8.062	7.961

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 174472

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2015 00:22 Calibration End Date: 04/01/2015 01:41 Calibration ID: 27599

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-174472/28	P4000028.D
Level 2	STD01 240-174472/29	P4000029.D
Level 3	STD02 240-174472/30	P4000030.D
Level 4	STD05 240-174472/31	P4000031.D
Level 5	STD1 240-174472/32	P4000032.D
Level 6	STD2 240-174472/33	P4000033.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	35421180 31235257	34666360 28323503	33854925	33628088	Ave		32854885.5				8.0		20.0			
PCB-1016 Peak 2	70323160 59520636	65805870 53773544	63179250	64162588	Ave		62794174.8				9.0		20.0			
PCB-1016 Peak 3	138077340 136384287	135688710 125976339	134589945	143657948	Ave		135729095				4.2		20.0			
PCB-1016 Peak 4	61208400 56209416	58663550 51999695	57267270	59556568	Ave		57484149.9				5.6		20.0			
PCB-1016 Peak 5	51386780 43893582	46388870 40724418	46511480	46360498	Ave		45877604.6				7.7		20.0			
PCB-1260 Peak 1	90567920 86247081	87877140 79932110	86295070	90935286	Ave		86975767.8				4.6		20.0			
PCB-1260 Peak 2	105145240 100218877	102213450 93356554	100448155	105438440	Ave		101136786				4.4		20.0			
PCB-1260 Peak 3	144890100 143257491	142107580 133722617	140608170	151007640	Ave		142598933				4.0		20.0			
PCB-1260 Peak 4	201167280 203868698	199849530 190851819	198687480	214831730	Ave		201542756				3.9		20.0			
PCB-1260 Peak 5	160877380 143860602	150986780 134829622	145915650	153652570	Ave		148353767				6.0		20.0			
Tetrachloro-m-xylene	1958117600 1889182800	1785868200 1787265840	1828172400	1971668360	Ave		1870045867				4.4		20.0			
DCB Decachlorobiphenyl	2100482400 1719277360	1843438400 1593262000	1798961800	1848207760	Ave		1817271620				9.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-49010-1 Analy Batch No.: 174472

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/01/2015 00:22 Calibration End Date: 04/01/2015 01:41 Calibration ID: 27599

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-174472/28	P4000028.D
Level 2	STD01 240-174472/29	P4000029.D
Level 3	STD02 240-174472/30	P4000030.D
Level 4	STD05 240-174472/31	P4000031.D
Level 5	STD1 240-174472/32	P4000032.D
Level 6	STD2 240-174472/33	P4000033.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	1771059 56647006	3466636	6770985	16814044	31235257	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	Ave	3516158 107547089	6580587	12635850	32081294	59520636	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	Ave	6903867 251952679	13568871	26917989	71828974	136384287	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	Ave	3060420 103999391	5866355	11453454	29778284	56209416	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	Ave	2569339 81448835	4638887	9302296	23180249	43893582	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	Ave	4528396 159864220	8787714	17259014	45467643	86247081	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	Ave	5257262 186713108	10221345	20089631	52719220	100218877	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	Ave	7244505 267445233	14210758	28121634	75503820	143257491	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	Ave	10058364 381703637	19984953	39737496	107415865	203868698	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	Ave	8043869 269659244	15098678	29183130	76826285	143860602	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	Ave	4895294 178726584	8929341	18281724	49291709	94459140	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	Ave	5251206 159326200	9217192	17989618	46205194	85963868	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:
Ave = Average

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICV 240-174472/39 Calibration Date: 04/01/2015 03:15

Instrument ID: A2HP4 Calib Start Date: 04/01/2015 00:22

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2015 01:41

Lab File ID: P4000039.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	32854886	36094632		1.10	1.00	9.9	20.0
PCB-1016 Peak 2	Ave	62794175	72267225		1.15	1.00	15.1	20.0
PCB-1016 Peak 3	Ave	135729095	165884789		1.22	1.00	22.2*	20.0
PCB-1016 Peak 4	Ave	57484150	67869746		1.18	1.00	18.1	20.0
PCB-1016 Peak 5	Ave	45877605	52198867		1.14	1.00	13.8	20.0
PCB-1260 Peak 1	Ave	86975768	103830113		1.19	1.00	19.4	20.0
PCB-1260 Peak 2	Ave	101136786	118931893		1.18	1.00	17.6	20.0
PCB-1260 Peak 3	Ave	142598933	182628853		1.28	1.00	28.1*	20.0
PCB-1260 Peak 4	Ave	201542756	218099239		1.08	1.00	8.2	20.0
PCB-1260 Peak 5	Ave	148353767	157187932		1.06	1.00	6.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICV 240-174472/39 Calibration Date: 04/01/2015 03:15

Instrument ID: A2HP4 Calib Start Date: 04/01/2015 00:22

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2015 01:41

Lab File ID: P4000039.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.21	2.11	2.31
PCB-1016 Peak 2	2.61	2.51	2.71
PCB-1016 Peak 3	3.07	2.97	3.17
PCB-1016 Peak 4	3.21	3.11	3.31
PCB-1016 Peak 5	3.70	3.60	3.80
PCB-1260 Peak 1	5.04	4.94	5.14
PCB-1260 Peak 2	5.27	5.17	5.37
PCB-1260 Peak 3	5.64	5.54	5.74
PCB-1260 Peak 4	6.33	6.23	6.43
PCB-1260 Peak 5	6.72	6.62	6.82

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175923/3 Calibration Date: 04/10/2015 11:01

Instrument ID: A2HP4 Calib Start Date: 04/01/2015 00:22

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2015 01:41

Lab File ID: P4000003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	32854886	32770980		0.499	0.500	-0.3	20.0
PCB-1016 Peak 2	Ave	62794175	63910250		0.509	0.500	1.8	20.0
PCB-1016 Peak 3	Ave	135729095	145899314		0.537	0.500	7.5	20.0
PCB-1016 Peak 4	Ave	57484150	59477782		0.517	0.500	3.5	20.0
PCB-1016 Peak 5	Ave	45877605	47615606		0.519	0.500	3.8	20.0
PCB-1260 Peak 1	Ave	86975768	94482754		0.543	0.500	8.6	20.0
PCB-1260 Peak 2	Ave	101136786	114170856		0.564	0.500	12.9	20.0
PCB-1260 Peak 3	Ave	142598933	161417882		0.566	0.500	13.2	20.0
PCB-1260 Peak 4	Ave	201542756	231291916		0.574	0.500	14.8	20.0
PCB-1260 Peak 5	Ave	148353767	166628826		0.562	0.500	12.3	20.0
Tetrachloro-m-xylene	Ave	1870045867	1981292440		0.0265	0.0250	5.9	20.0
DCB Decachlorobiphenyl	Ave	1817271620	1955294920		0.0269	0.0250	7.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175923/3 Calibration Date: 04/10/2015 11:01

Instrument ID: A2HP4 Calib Start Date: 04/01/2015 00:22

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2015 01:41

Lab File ID: P4000003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.22	2.12	2.32
PCB-1016 Peak 2	2.62	2.52	2.72
PCB-1016 Peak 3	3.08	2.98	3.18
PCB-1016 Peak 4	3.22	3.12	3.32
PCB-1016 Peak 5	3.71	3.61	3.81
PCB-1260 Peak 1	5.05	4.95	5.15
PCB-1260 Peak 2	5.28	5.18	5.38
PCB-1260 Peak 3	5.65	5.55	5.75
PCB-1260 Peak 4	6.34	6.24	6.44
PCB-1260 Peak 5	6.72	6.62	6.82
Tetrachloro-m-xylene	1.75	1.65	1.85
DCB Decachlorobiphenyl	7.97	7.87	8.07

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175923/10 Calibration Date: 04/10/2015 12:50

Instrument ID: A2HP4 Calib Start Date: 04/01/2015 00:22

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2015 01:41

Lab File ID: P4000010.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	32854886	31655632		0.482	0.500	-3.7	20.0
PCB-1016 Peak 2	Ave	62794175	62004530		0.494	0.500	-1.3	20.0
PCB-1016 Peak 3	Ave	135729095	142672772		0.526	0.500	5.1	20.0
PCB-1016 Peak 4	Ave	57484150	58174590		0.506	0.500	1.2	20.0
PCB-1016 Peak 5	Ave	45877605	46874734		0.511	0.500	2.2	20.0
PCB-1260 Peak 1	Ave	86975768	93292178		0.536	0.500	7.3	20.0
PCB-1260 Peak 2	Ave	101136786	112339922		0.555	0.500	11.1	20.0
PCB-1260 Peak 3	Ave	142598933	159807088		0.560	0.500	12.1	20.0
PCB-1260 Peak 4	Ave	201542756	230224992		0.571	0.500	14.2	20.0
PCB-1260 Peak 5	Ave	148353767	163554994		0.551	0.500	10.2	20.0
Tetrachloro-m-xylene	Ave	1870045867	1950748720		0.0261	0.0250	4.3	20.0
DCB Decachlorobiphenyl	Ave	1817271620	1973230440		0.0271	0.0250	8.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175923/10 Calibration Date: 04/10/2015 12:50

Instrument ID: A2HP4 Calib Start Date: 04/01/2015 00:22

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2015 01:41

Lab File ID: P4000010.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.22	2.12	2.32
PCB-1016 Peak 2	2.62	2.52	2.72
PCB-1016 Peak 3	3.08	2.98	3.18
PCB-1016 Peak 4	3.22	3.12	3.32
PCB-1016 Peak 5	3.71	3.61	3.81
PCB-1260 Peak 1	5.05	4.95	5.15
PCB-1260 Peak 2	5.28	5.18	5.38
PCB-1260 Peak 3	5.65	5.55	5.75
PCB-1260 Peak 4	6.34	6.24	6.44
PCB-1260 Peak 5	6.72	6.62	6.82
Tetrachloro-m-xylene	1.75	1.65	1.85
DCB Decachlorobiphenyl	7.97	7.87	8.07

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175923/25 Calibration Date: 04/10/2015 16:46

Instrument ID: A2HP4 Calib Start Date: 04/01/2015 00:22

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2015 01:41

Lab File ID: P4000025.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	32854886	32538350		0.495	0.500	-1.0	20.0
PCB-1016 Peak 2	Ave	62794175	63922576		0.509	0.500	1.8	20.0
PCB-1016 Peak 3	Ave	135729095	146889914		0.541	0.500	8.2	20.0
PCB-1016 Peak 4	Ave	57484150	59653310		0.519	0.500	3.8	20.0
PCB-1016 Peak 5	Ave	45877605	47552208		0.518	0.500	3.7	20.0
PCB-1260 Peak 1	Ave	86975768	95012988		0.546	0.500	9.2	20.0
PCB-1260 Peak 2	Ave	101136786	114820910		0.568	0.500	13.5	20.0
PCB-1260 Peak 3	Ave	142598933	163193226		0.572	0.500	14.4	20.0
PCB-1260 Peak 4	Ave	201542756	234538654		0.582	0.500	16.4	20.0
PCB-1260 Peak 5	Ave	148353767	169266862		0.570	0.500	14.1	20.0
Tetrachloro-m-xylene	Ave	1870045867	2017634760		0.0270	0.0250	7.9	20.0
DCB Decachlorobiphenyl	Ave	1817271620	2017487560		0.0278	0.0250	11.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: CCV 240-175923/25 Calibration Date: 04/10/2015 16:46

Instrument ID: A2HP4 Calib Start Date: 04/01/2015 00:22

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 04/01/2015 01:41

Lab File ID: P4000025.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.22	2.12	2.32
PCB-1016 Peak 2	2.62	2.52	2.72
PCB-1016 Peak 3	3.08	2.98	3.18
PCB-1016 Peak 4	3.22	3.12	3.32
PCB-1016 Peak 5	3.71	3.61	3.81
PCB-1260 Peak 1	5.05	4.95	5.15
PCB-1260 Peak 2	5.28	5.18	5.38
PCB-1260 Peak 3	5.65	5.55	5.75
PCB-1260 Peak 4	6.34	6.24	6.44
PCB-1260 Peak 5	6.72	6.62	6.82
Tetrachloro-m-xylene	1.75	1.65	1.85
DCB Decachlorobiphenyl	7.97	7.87	8.07

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-175553/17-A

Matrix: Solid Lab File ID: P4000008.D

Analysis Method: 8082A Date Collected:

Extraction Method: 3540C Date Extracted: 04/08/2015 09:49

Sample wt/vol: 30(g) Date Analyzed: 04/10/2015 12:19

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 175923 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	12	U	33	12
11104-28-2	Aroclor-1221	16	U	33	16
11141-16-5	Aroclor-1232	20	U	33	20
53469-21-9	Aroclor-1242	11	U	33	11
12672-29-6	Aroclor-1248	8.0	U	33	8.0
11097-69-1	Aroclor-1254	14	U	33	14
11096-82-5	Aroclor-1260	9.0	U	33	9.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	61		29-151
2051-24-3	DCB Decachlorobiphenyl	95		14-163

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 240-175553/18-A

Matrix: Solid Lab File ID: P4000009.D

Analysis Method: 8082A Date Collected:

Extraction Method: 3540C Date Extracted: 04/08/2015 09:49

Sample wt/vol: 30(g) Date Analyzed: 04/10/2015 12:35

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 175923 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	252		33	12
11096-82-5	Aroclor-1260	311		33	9.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	64		29-151
2051-24-3	DCB Decachlorobiphenyl	101		14-163

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A2HP4 Start Date: 03/31/2015 18:06

Analysis Batch Number: 174472 End Date: 04/01/2015 07:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-174472/4 IC		03/31/2015 18:06	1		CLP-1 0.53(mm)
STD005 240-174472/4 IC		03/31/2015 18:06	1	P4000004.D	CLP-2 0.53(mm)
STD01 240-174472/5 IC		03/31/2015 18:22	1		CLP-1 0.53(mm)
STD01 240-174472/5 IC		03/31/2015 18:22	1	P4000005.D	CLP-2 0.53(mm)
STD02 240-174472/6 IC		03/31/2015 18:38	1		CLP-1 0.53(mm)
STD02 240-174472/6 IC		03/31/2015 18:38	1	P4000006.D	CLP-2 0.53(mm)
STD05 240-174472/7 IC		03/31/2015 18:53	1		CLP-1 0.53(mm)
STD05 240-174472/7 IC		03/31/2015 18:53	1	P4000007.D	CLP-2 0.53(mm)
STD1 240-174472/8 IC		03/31/2015 19:09	1		CLP-1 0.53(mm)
STD1 240-174472/8 IC		03/31/2015 19:09	1	P4000008.D	CLP-2 0.53(mm)
STD2 240-174472/9 IC		03/31/2015 19:25	1		CLP-1 0.53(mm)
STD2 240-174472/9 IC		03/31/2015 19:25	1	P4000009.D	CLP-2 0.53(mm)
STD005 240-174472/10 IC		03/31/2015 19:40	1		CLP-1 0.53(mm)
STD005 240-174472/10 IC		03/31/2015 19:40	1	P4000010.D	CLP-2 0.53(mm)
STD01 240-174472/11 IC		03/31/2015 19:56	1		CLP-1 0.53(mm)
STD01 240-174472/11 IC		03/31/2015 19:56	1	P4000011.D	CLP-2 0.53(mm)
STD02 240-174472/12 IC		03/31/2015 20:12	1		CLP-1 0.53(mm)
STD02 240-174472/12 IC		03/31/2015 20:12	1	P4000012.D	CLP-2 0.53(mm)
STD05 240-174472/13 IC		03/31/2015 20:27	1		CLP-1 0.53(mm)
STD05 240-174472/13 IC		03/31/2015 20:27	1	P4000013.D	CLP-2 0.53(mm)
STD1 240-174472/14 IC		03/31/2015 20:43	1		CLP-1 0.53(mm)
STD1 240-174472/14 IC		03/31/2015 20:43	1	P4000014.D	CLP-2 0.53(mm)
STD2 240-174472/15 IC		03/31/2015 20:59	1		CLP-1 0.53(mm)
STD2 240-174472/15 IC		03/31/2015 20:59	1	P4000015.D	CLP-2 0.53(mm)
STD005 240-174472/16 IC		03/31/2015 21:14	1		CLP-1 0.53(mm)
STD005 240-174472/16 IC		03/31/2015 21:14	1	P4000016.D	CLP-2 0.53(mm)
STD01 240-174472/17 IC		03/31/2015 21:30	1		CLP-1 0.53(mm)
STD01 240-174472/17 IC		03/31/2015 21:30	1	P4000017.D	CLP-2 0.53(mm)
STD02 240-174472/18 IC		03/31/2015 21:46	1		CLP-1 0.53(mm)
STD02 240-174472/18 IC		03/31/2015 21:46	1	P4000018.D	CLP-2 0.53(mm)
STD05 240-174472/19 IC		03/31/2015 22:01	1		CLP-1 0.53(mm)
STD05 240-174472/19 IC		03/31/2015 22:01	1	P4000019.D	CLP-2 0.53(mm)
STD1 240-174472/20 IC		03/31/2015 22:17	1		CLP-1 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A2HP4 Start Date: 03/31/2015 18:06

Analysis Batch Number: 174472 End Date: 04/01/2015 07:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-174472/20 IC		03/31/2015 22:17	1	P4000020.D	CLP-2 0.53(mm)
STD2 240-174472/21 IC		03/31/2015 22:33	1		CLP-1 0.53(mm)
STD2 240-174472/21 IC		03/31/2015 22:33	1	P4000021.D	CLP-2 0.53(mm)
STD005 240-174472/22 IC		03/31/2015 22:48	1		CLP-1 0.53(mm)
STD005 240-174472/22 IC		03/31/2015 22:48	1	P4000022.D	CLP-2 0.53(mm)
STD01 240-174472/23 IC		03/31/2015 23:04	1		CLP-1 0.53(mm)
STD01 240-174472/23 IC		03/31/2015 23:04	1	P4000023.D	CLP-2 0.53(mm)
STD02 240-174472/24 IC		03/31/2015 23:20	1		CLP-1 0.53(mm)
STD02 240-174472/24 IC		03/31/2015 23:20	1	P4000024.D	CLP-2 0.53(mm)
STD05 240-174472/25 IC		03/31/2015 23:35	1		CLP-1 0.53(mm)
STD05 240-174472/25 IC		03/31/2015 23:35	1	P4000025.D	CLP-2 0.53(mm)
STD1 240-174472/26 IC		03/31/2015 23:51	1		CLP-1 0.53(mm)
STD1 240-174472/26 IC		03/31/2015 23:51	1	P4000026.D	CLP-2 0.53(mm)
STD2 240-174472/27 IC		04/01/2015 00:07	1		CLP-1 0.53(mm)
STD2 240-174472/27 IC		04/01/2015 00:07	1	P4000027.D	CLP-2 0.53(mm)
STD005 240-174472/28 IC		04/01/2015 00:22	1		CLP-1 0.53(mm)
STD005 240-174472/28 IC		04/01/2015 00:22	1	P4000028.D	CLP-2 0.53(mm)
STD01 240-174472/29 IC		04/01/2015 00:38	1		CLP-1 0.53(mm)
STD01 240-174472/29 IC		04/01/2015 00:38	1	P4000029.D	CLP-2 0.53(mm)
STD02 240-174472/30 IC		04/01/2015 00:54	1		CLP-1 0.53(mm)
STD02 240-174472/30 IC		04/01/2015 00:54	1	P4000030.D	CLP-2 0.53(mm)
STD05 240-174472/31 ICRT		04/01/2015 01:09	1		CLP-1 0.53(mm)
STD05 240-174472/31 ICRT		04/01/2015 01:09	1	P4000031.D	CLP-2 0.53(mm)
STD1 240-174472/32 IC		04/01/2015 01:25	1		CLP-1 0.53(mm)
STD1 240-174472/32 IC		04/01/2015 01:25	1	P4000032.D	CLP-2 0.53(mm)
STD2 240-174472/33 IC		04/01/2015 01:41	1		CLP-1 0.53(mm)
STD2 240-174472/33 IC		04/01/2015 01:41	1	P4000033.D	CLP-2 0.53(mm)
ICV 240-174472/34		04/01/2015 01:56	1		CLP-1 0.53(mm)
ICV 240-174472/34		04/01/2015 01:56	1		CLP-2 0.53(mm)
ICV 240-174472/35		04/01/2015 02:12	1		CLP-1 0.53(mm)
ICV 240-174472/35		04/01/2015 02:12	1		CLP-2 0.53(mm)
ICV 240-174472/37		04/01/2015 02:43	1		CLP-1 0.53(mm)
ICV 240-174472/37		04/01/2015 02:43	1		CLP-2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A2HP4 Start Date: 03/31/2015 18:06

Analysis Batch Number: 174472 End Date: 04/01/2015 07:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICV 240-174472/38		04/01/2015 02:59	1		CLP-1 0.53(mm)
ICV 240-174472/38		04/01/2015 02:59	1		CLP-2 0.53(mm)
ICV 240-174472/39		04/01/2015 03:15	1		CLP-1 0.53(mm)
ICV 240-174472/39		04/01/2015 03:15	1	P4000039.D	CLP-2 0.53(mm)
ICV 240-174472/42		04/01/2015 06:53	1		CLP-1 0.53(mm)
ICV 240-174472/42		04/01/2015 06:53	1		CLP-2 0.53(mm)
ICV 240-174472/43		04/01/2015 07:08	1		CLP-1 0.53(mm)
ICV 240-174472/43		04/01/2015 07:08	1		CLP-2 0.53(mm)
ICV 240-174472/44		04/01/2015 07:24	1		CLP-1 0.53(mm)
ICV 240-174472/44		04/01/2015 07:24	1		CLP-2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: A2HP4 Start Date: 04/10/2015 11:01

Analysis Batch Number: 175923 End Date: 04/10/2015 16:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-175923/3 CCVRT		04/10/2015 11:01	1		CLP-1 0.53(mm)
CCV 240-175923/3 CCVRT		04/10/2015 11:01	1	P4000003.D	CLP-2 0.53(mm)
ZZZZZ		04/10/2015 12:19	1		CLP-1 0.53(mm)
MB 240-175553/17-A		04/10/2015 12:19	1	P4000008.D	CLP-2 0.53(mm)
ZZZZZ		04/10/2015 12:35	1		CLP-1 0.53(mm)
LCS 240-175553/18-A		04/10/2015 12:35	1	P4000009.D	CLP-2 0.53(mm)
CCV 240-175923/10		04/10/2015 12:50	1		CLP-1 0.53(mm)
CCV 240-175923/10		04/10/2015 12:50	1	P4000010.D	CLP-2 0.53(mm)
ZZZZZ		04/10/2015 15:27	1		CLP-1 0.53(mm)
240-49010-1	FILL-001	04/10/2015 15:27	1	P4000020.D	CLP-2 0.53(mm)
CCV 240-175923/25		04/10/2015 16:46	1		CLP-1 0.53(mm)
CCV 240-175923/25		04/10/2015 16:46	1	P4000025.D	CLP-2 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Batch Number: 175553 Batch Start Date: 04/08/15 12:45 Batch Analyst: Earle, Steve

Batch Method: 3540C Batch End Date: 04/09/15 04:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX10PPMSPK 00015	EX2/.2SURRW 00053		
240-49010-E-1	FILL-001	3540C, 8082A	T	30.00 g	10 mL		1 mL		
MB 240-175553/17		3540C, 8082A		30 g	10 mL		1 mL		
LCS 240-175553/18		3540C, 8082A		30 g	10 mL	1 mL	1 mL		

Batch Notes	
Acid used for Clean Up Reagent	1826627
Balance ID	b037
Na2SO4 Lot Number	1942694
Prep Solvent Lot #	1928228

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-49010-1

SDG No.:

Project: MRC-Middle River

Client Sample ID	Lab Sample ID
FILL-001	240-49010-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: FILL-001 Lab Sample ID: 240-49010-1

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG ID.:

Matrix: Solid Date Sampled: 04/06/2015 15:00

Reporting Basis: DRY Date Received: 04/07/2015 09:15

% Solids: 92.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	0.056	0.89	0.056	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.40	1.3	0.37	mg/Kg	J		1	6010C
7440-39-3	Barium	2.6	18	0.37	mg/Kg	J		1	6010C
7440-41-7	Beryllium	0.023	0.45	0.023	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.019	0.45	0.019	mg/Kg	U		1	6010C
7440-48-4	Cobalt	0.054	0.89	0.042	mg/Kg	J		1	6010C
7440-47-3	Chromium	11	0.89	0.067	mg/Kg			1	6010C
7440-50-8	Copper	1.1	2.2	0.21	mg/Kg	J		1	6010C
7439-98-7	Molybdenum	0.13	3.6	0.053	mg/Kg	J		1	6010C
7440-02-0	Nickel	0.21	3.6	0.071	mg/Kg	J		1	6010C
7439-92-1	Lead	0.39	0.89	0.020	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.30	1.8	0.30	mg/Kg	U		1	6010C
7440-62-2	Vanadium	21	0.89	0.18	mg/Kg			1	6010C
7440-66-6	Zinc	1.3	4.5	0.50	mg/Kg	J		1	6010C
7440-36-0	Antimony	0.43	1.8	0.43	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.12	1.8	0.12	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.015	0.11	0.015	mg/Kg	U		1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

ICV Source: MT6500ICV_00025 Concentration Units: ug/L

CCV Source: MTICPCCV_00045

Analyte	ICV 240-175886/4 04/09/2015 08:43				CCV 240-175886/18 04/09/2015 09:42				CCV 240-175886/30 04/09/2015 10:32			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	389		375	104	529		500	106	523		500	105
Arsenic	391		375	104	521		500	104	521		500	104
Barium	1530		1500	102	2040		2000	102	2050		2000	103
Beryllium	1530		1500	102	1980		2000	99	2010		2000	100
Cadmium	393		375	105	527		500	105	526		500	105
Chromium	1500		1500	100	1960		2000	98	1980		2000	99
Cobalt	1510		1500	101	2020		2000	101	2030		2000	102
Lead	381		375	101	494		500	99	493		500	99
Molybdenum	1530		1500	102	2050		2000	103	2060		2000	103
Nickel	1550		1500	103	2040		2000	102	2050		2000	102
Selenium	393		375	105	515		500	103	514		500	103
Silver	758		750	101	979		1000	98	988		1000	99
Thallium	767		750	102	1010		1000	101	1010		1000	101
Vanadium	1570		1500	105	2050		2000	103	2070		2000	103
Zinc	1560		1500	104	2040		2000	102	2060		2000	103
Copper	1510		1500	100	1930		2000	97	1950		2000	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

ICV Source: MT6500ICV_00025 Concentration Units: ug/L

CCV Source: MTICPCCV_00045

Analyte	ICV 240-175933/4 04/10/2015 06:39				CCV 240-175933/46 04/10/2015 09:32				CCV 240-175933/58 04/10/2015 10:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Copper	1520		1500	102	2060		2000	103	2130		2000	106
Antimony	385		375	103	498		500	100	515		500	103
Arsenic	382		375	102	503		500	101	512		500	102
Barium	1500		1500	100	1970		2000	99	2030		2000	102
Beryllium	1520		1500	102	1980		2000	99	2000		2000	100
Cadmium	386		375	103	503		500	101	517		500	103
Chromium	1500		1500	100	1990		2000	100	2040		2000	102
Cobalt	1490		1500	99	1970		2000	98	1990		2000	100
Lead	385		375	103	497		500	99	503		500	101
Molybdenum	1530		1500	102	2030		2000	101	2050		2000	103
Nickel	1520		1500	101	1960		2000	98	1990		2000	99
Selenium	393		375	105	509		500	102	510		500	102
Silver	763		750	102	1030		1000	103	1060		1000	106
Thallium	764		750	102	1010		1000	101	1020		1000	102
Vanadium	1560		1500	104	1990		2000	100	2060		2000	103
Zinc	1530		1500	102	1960		2000	98	1980		2000	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

ICV Source: MTHgStd_00011 Concentration Units: ug/L

CCV Source: MTHGCALW_00875

Analyte	ICV 240-175562/7-A 04/09/2015 08:35				CCV 240-175562/11-A 04/09/2015 09:42				CCV 240-175562/11-A 04/09/2015 10:05			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.15		5.00	103	4.95		5.00	99	5.09		5.00	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

ICV Source: MTHgStd_00011 Concentration Units: ug/L

CCV Source: MTHGCALW_00875

Analyte	CCV 240-175562/11-A 04/09/2015 10:29				CCV 240-175562/11-A 04/09/2015 10:52							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.13		5.00	103	5.13		5.00	103				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Method: 6010C Instrument ID: I12

Lab Sample ID: CRI 240-175886/20 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00026

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	10.0	10.3		103	70-130
Arsenic	15.0	14.8	J	99	70-130
Barium	200	206		103	70-130
Beryllium	5.00	5.02		100	70-130
Cadmium	5.00	5.29		106	70-130
Cobalt	10.0	9.47	J	95	70-130
Chromium	10.0	10.2		102	70-130
Copper	20.0	8.79	J ^	44	70-130
Molybdenum	40.0	41.2		103	70-130
Nickel	40.0	39.5	J	99	70-130
Lead	10.0	9.21	J	92	70-130
Selenium	20.0	19.1	J	96	70-130
Vanadium	10.0	12.3		123	70-130
Zinc	50.0	54.8		110	70-130
Antimony	20.0	22.6		113	70-130
Thallium	20.0	21.8		109	70-130

Lab Sample ID: CRI 240-175886/45 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00026

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	10.0	10.2		102	70-130
Arsenic	15.0	16.6		110	70-130
Barium	200	203		101	70-130
Beryllium	5.00	4.93	J	99	70-130
Cadmium	5.00	5.19		104	70-130
Cobalt	10.0	9.56	J	96	70-130
Chromium	10.0	10.1		101	70-130
Copper	20.0	18.2	J	91	70-130
Molybdenum	40.0	41.0		102	70-130
Nickel	40.0	39.5	J	99	70-130
Lead	10.0	8.62	J	86	70-130
Selenium	20.0	19.8	J	99	70-130
Vanadium	10.0	9.10	J	91	70-130
Zinc	50.0	54.1		108	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Method: 6010C Instrument ID: I12

Lab Sample ID: CRI 240-175886/45 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00026

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	20.0	19.8	J	99	70-130
Thallium	20.0	19.8	J	99	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Method: 6010C Instrument ID: I9

Lab Sample ID: CRI 240-175933/52 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00026

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	10.0	10.1		101	70-130
Arsenic	15.0	13.2	J	88	70-130
Barium	200	201		100	70-130
Beryllium	5.00	4.91	J	98	70-130
Cadmium	5.00	4.96	J	99	70-130
Cobalt	10.0	9.96	J	100	70-130
Chromium	10.0	10.5		105	70-130
Copper	20.0	23.5	J	117	70-130
Molybdenum	40.0	40.7		102	70-130
Nickel	40.0	40.7		102	70-130
Lead	10.0	11.9		119	70-130
Selenium	20.0	21.8		109	70-130
Vanadium	10.0	10.4		104	70-130
Zinc	50.0	57.6		115	70-130
Antimony	20.0	19.5	J	98	70-130
Thallium	20.0	20.1		100	70-130

Lab Sample ID: CRI 240-175933/56 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00026

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	10.0	9.65	J	96	70-130
Arsenic	15.0	11.1	J	74	70-130
Barium	200	200		100	70-130
Beryllium	5.00	4.79	J	96	70-130
Cadmium	5.00	5.09		102	70-130
Cobalt	10.0	10.2		102	70-130
Chromium	10.0	11.0		110	70-130
Copper	20.0	23.2	J	116	70-130
Molybdenum	40.0	40.4		101	70-130
Nickel	40.0	41.2		103	70-130
Lead	10.0	12.3		123	70-130
Selenium	20.0	21.3		106	70-130
Vanadium	10.0	7.94	J	79	70-130
Zinc	50.0	58.0		116	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Method: 6010C Instrument ID: I9

Lab Sample ID: CRI 240-175933/56 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00026

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	20.0	19.9	J	100	70-130
Thallium	20.0	21.0		105	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Method: 7471A Instrument ID: H4

Lab Sample ID: CRA 240-175562/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_00875

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.191	J	96	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-175886/5 04/09/2015 08:47		CCB 240-175886/19 04/09/2015 09:46		CCB 240-175886/31 04/09/2015 10:36			
		Found	C	Found	C	Found	C	Found	C
Antimony	20	2.4	U	2.4	U	2.4	U		
Arsenic	15	2.9	U	2.9	U	2.9	U		
Barium	200	1.0	U	1.0	U	1.0	U		
Beryllium	5.0	0.309	J	0.288	J	0.398	J		
Cadmium	5.0	0.14	U	0.14	U	0.205	J		
Chromium	10	0.55	U	0.55	U	0.55	U		
Cobalt	10	0.56	U	0.56	U	0.56	U		
Lead	10	1.9	U	1.9	U	1.9	U		
Molybdenum	40	1.33	J	1.70	J	1.95	J		
Nickel	40	0.76	U	0.76	U	0.76	U		
Selenium	20	4.0	U	4.0	U	4.0	U		
Silver	10	0.92	U	0.92	U	0.92	U		
Thallium	20	1.7	U	1.7	U	1.7	U		
Vanadium	10	2.4	U	2.4	U	2.4	U		
Zinc	50	9.6	U	9.6	U	9.6	U		
Copper	25	1.9	U	1.9	U	1.9	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-175933/5 04/10/2015 06:43		CCB 240-175933/47 04/10/2015 09:36		CCB 240-175933/59 04/10/2015 10:25			
		Found	C	Found	C	Found	C	Found	C
Copper	25	1.9	U	1.9	U	1.9	U		
Antimony	20	2.4	U	2.4	U	2.4	U		
Arsenic	15	2.9	U	2.9	U	2.9	U		
Barium	200	1.0	U	1.18	J	1.0	U		
Beryllium	5.0	0.13	U	0.13	U	0.13	U		
Cadmium	5.0	0.14	U	0.14	U	0.14	U		
Chromium	10	0.694	J	0.55	U	0.55	U		
Cobalt	10	0.685	J	0.56	U	0.56	U		
Lead	10	2.10	J	1.9	U	1.90	J		
Molybdenum	40	0.550	J	0.904	J	0.842	J		
Nickel	40	0.942	J	0.76	U	0.76	U		
Selenium	20	4.0	U	4.0	U	4.0	U		
Silver	10	0.92	U	0.92	U	0.92	U		
Thallium	20	1.7	U	1.7	U	1.7	U		
Vanadium	10	2.4	U	2.4	U	2.4	U		
Zinc	50	9.6	U	9.6	U	9.6	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-175562/8-A 04/09/2015 08:37		CCB 240-175562/10-A 04/09/2015 09:44		CCB 240-175562/10-A 04/09/2015 10:07		CCB 240-175562/10-A 04/09/2015 10:31	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.60	0.090	U	0.090	U	0.090	U	0.090	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 240-175562/10-A 04/09/2015 10:54							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.60	0.090	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-175558/1-A

Instrument Code: I12 Batch No.: 175886

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.063	U		6010C
7440-38-2	Arsenic	0.41	U		6010C
7440-39-3	Barium	0.41	U		6010C
7440-41-7	Beryllium	0.026	U		6010C
7440-43-9	Cadmium	0.021	U		6010C
7440-48-4	Cobalt	0.047	U		6010C
7440-47-3	Chromium	0.075	U		6010C
7439-98-7	Molybdenum	0.059	U		6010C
7440-02-0	Nickel	0.080	U		6010C
7439-92-1	Lead	0.022	U		6010C
7782-49-2	Selenium	0.34	U		6010C
7440-62-2	Vanadium	0.20	U		6010C
7440-66-6	Zinc	0.56	U		6010C
7440-36-0	Antimony	0.48	U		6010C
7440-28-0	Thallium	0.13	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-175558/1-A

Instrument Code: I9 Batch No.: 175933

CAS No.	Analyte	Concentration	C	Q	Method
7440-50-8	Copper	0.23	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 240-175585/1-A

Instrument Code: H4 Batch No.: 175776

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.014	U		7471A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICSA 240-175886/8 Instrument ID: I12

Lab File ID: I12040915A.asc ICS Source: MTTRICSAW_00025

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**-1.86**	
Arsenic		**-1.61**	
Barium		**0.279**	
Beryllium		**0.144**	
Cadmium		**0.655**	
Chromium		**2.36**	
Cobalt		**-5.40**	
Lead		**2.04**	
Molybdenum		**-1.67**	
Nickel		**2.93**	
Selenium		**2.64**	
Silver		**-1.33**	
Thallium		**-3.16**	
Vanadium		**2.42**	
Zinc		**1.85**	
Aluminum	*500000*	*536380*	*107*
Boron		*5.29*	
Calcium	*500000*	*481150*	*96*
Copper		*-1.64*	
Iron	*200000*	*197370*	*99*
Lithium		*-0.801*	
Magnesium	*500000*	*514340*	*103*
Manganese		*0.757*	
Potassium		*-37.6*	
Silicon		*-8.17*	
Sodium		*50.3*	
Strontium		*4.17*	
Tin		*2.84*	
Titanium		*-1.08*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICSAB 240-175886/9 Instrument ID: I12

Lab File ID: I12040915A.asc ICS Source: MTICPICSABW_00007

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Antimony	**1000**	**1068**	**107**
Arsenic	**1000**	**1047**	**105**
Barium	**500**	**523**	**105**
Beryllium	**500**	**486**	**97**
Cadmium	**1000**	**1083**	**108**
Chromium	**500**	**481**	**96**
Cobalt	**500**	**494**	**99**
Lead	**1000**	**917**	**92**
Molybdenum	**1000**	**979**	**98**
Nickel	**1000**	**1002**	**100**
Selenium	**1000**	**1024**	**102**
Silver	**1000**	**1067**	**107**
Thallium	**1000**	**965**	**97**
Vanadium	**500**	**510**	**102**
Zinc	**1000**	**999**	**100**
Aluminum	*500000*	*542040*	*108*
Boron	*500*	*514*	*103*
Calcium	*500000*	*485090*	*97*
Copper	*500*	*524*	*105*
Iron	*200000*	*198120*	*99*
Lithium	*500*	*562*	*112*
Magnesium	*500000*	*510460*	*102*
Manganese	*500*	*469*	*94*
Potassium	*10000*	*10812*	*108*
Silicon	*10000*	*10384*	*104*
Sodium	*10000*	*10661*	*107*
Strontium	*1500*	*1466*	*98*
Tin	*500*	*502*	*100*
Titanium	*500*	*495*	*99*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICSA 240-175933/8 Instrument ID: I9

Lab File ID: I9041015A.asc ICS Source: MTTRICSAW_00025

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Copper		**1.19**	
Aluminum	*500000*	*508110*	*102*
Antimony		*-0.893*	
Arsenic		*-1.18*	
Barium		*0.392*	
Beryllium		*-0.332*	
Boron		*-1.81*	
Cadmium		*0.527*	
Calcium	*500000*	*493050*	*99*
Chromium		*4.48*	
Cobalt		*-1.24*	
Iron	*200000*	*196020*	*98*
Lead		*4.83*	
Lithium		*-26.5*	
Magnesium	*500000*	*502760*	*101*
Manganese		*0.569*	
Molybdenum		*-2.77*	
Nickel		*2.90*	
Potassium		*134*	
Selenium		*-2.63*	
Silicon		*-3.36*	
Silver		*-0.342*	
Sodium		*245*	
Strontium		*6.80*	
Thallium		*5.00*	
Tin		*0.571*	
Titanium		*0.202*	
Vanadium		*-5.11*	
Zinc		*2.17*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Lab Sample ID: ICSAB 240-175933/9 Instrument ID: I9

Lab File ID: I9041015A.asc ICS Source: MTICPICSABW_00007

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Copper	**500**	**562**	**112**
Aluminum	*500000*	*511470*	*102*
Antimony	*1000*	*1036*	*104*
Arsenic	*1000*	*1039*	*104*
Barium	*500*	*503*	*101*
Beryllium	*500*	*492*	*98*
Boron	*500*	*522*	*104*
Cadmium	*1000*	*1054*	*105*
Calcium	*500000*	*499820*	*100*
Chromium	*500*	*503*	*101*
Cobalt	*500*	*490*	*98*
Iron	*200000*	*196820*	*98*
Lead	*1000*	*988*	*99*
Lithium	*500*	*497*	*99*
Magnesium	*500000*	*499320*	*100*
Manganese	*500*	*503*	*101*
Molybdenum	*1000*	*1016*	*102*
Nickel	*1000*	*975*	*97*
Potassium	*10000*	*10605*	*106*
Selenium	*1000*	*1020*	*102*
Silicon	*10000*	*10125*	*101*
Silver	*1000*	*1098*	*110*
Sodium	*10000*	*10644*	*106*
Strontium	*1500*	*1465*	*98*
Thallium	*1000*	*1010*	*101*
Tin	*500*	*496*	*99*
Titanium	*500*	*515*	*103*
Vanadium	*500*	*494*	*99*
Zinc	*1000*	*955*	*96*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: Lab ID: 240-49031-G-7-M MS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

% Solids: 83.8

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.231		0.016	U	0.217	107	80-120		7471A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: | Lab ID: 240-49031-G-7-N MSD

Lab Name: TestAmerica Canton | Job No.: 240-49010-1

SDG No.:

Matrix: Solid | Concentration Units: mg/Kg

% Solids: 83.8

Analyte	(SDR) C		Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.232		0.217	107	80-120	0	20		7471A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-175558/2-A

Lab Name: TestAmerica Canton Job No.: 240-49010-1

Sample Matrix: Solid LCS Source: MTAGSPIKEW_00047

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Silver	5.00	4.75		95	80	120		6010C
Arsenic	200	198		99	80	120		6010C
Barium	200	193		97	80	120		6010C
Beryllium	5.00	4.68		94	80	120		6010C
Cadmium	5.00	5.13		103	80	120		6010C
Cobalt	50.0	47.7		95	80	120		6010C
Chromium	20.0	19.2		96	80	120		6010C
Molybdenum	100	99.9		100	80	120		6010C
Nickel	50.0	48.9		98	80	120		6010C
Lead	50.0	47.7		95	80	120		6010C
Selenium	200	194		97	80	120		6010C
Vanadium	50.0	49.1		98	80	120		6010C
Zinc	50.0	48.9		98	80	120		6010C
Antimony	50.0	50.8		102	80	120		6010C
Thallium	200	190		95	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-175558/2-A

Lab Name: TestAmerica Canton Job No.: 240-49010-1

Sample Matrix: Solid LCS Source: MTICP1_00039

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Copper	25.0	24.5		98	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-175585/2-A

Lab Name: TestAmerica Canton Job No.: 240-49010-1

Sample Matrix: Solid LCS Source: MTHGCALW_00875

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.833	0.790		95	80	120		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-49010-1

SDG Number:

Matrix: Solid Instrument ID: I12

Method: 6010C MDL Date: 09/09/2014 14:47

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Antimony	206.838	2	0.48
Arsenic	189.042	1.5	0.41
Barium	493.409	20	0.41
Beryllium	313.042	0.5	0.026
Cadmium	226.502	0.5	0.021
Chromium	267.716	1	0.075
Cobalt	228.616	1	0.047
Lead	220.353	1	0.022
Molybdenum	202.030	4	0.059
Nickel	231.604	4	0.08
Selenium	196.026	2	0.34
Silver	328.068	1	0.063
Thallium	190.864	2	0.13
Vanadium	292.402	1	0.2
Zinc	213.856	5	0.56

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-49010-1

SDG Number:

Matrix: Solid Instrument ID: I12

Method: 6010C XMDL Date: 09/09/2014 14:47

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Antimony	206.838	20	2.4
Arsenic	189.042	15	2.9
Barium	493.409	200	1
Beryllium	313.042	5	0.13
Cadmium	226.502	5	0.14
Chromium	267.716	10	0.55
Cobalt	228.616	10	0.56
Lead	220.353	10	1.9
Molybdenum	202.030	40	0.53
Nickel	231.604	40	0.76
Selenium	196.026	20	4
Silver	328.068	10	0.92
Thallium	190.864	20	1.7
Vanadium	292.402	10	2.4
Zinc	213.856	50	9.6

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-49010-1

SDG Number:

Matrix: Solid Instrument ID: I9

Method: 6010C MDL Date: 09/09/2014 14:47

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Copper	324.753	2.5	0.23

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-49010-1

SDG Number:

Matrix: Solid Instrument ID: I9

Method: 6010C XMDL Date: 09/09/2014 14:47

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Copper	324.753	25	1.9

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-49010-1

SDG Number:

Matrix: Solid Instrument ID: H4

Method: 7471A MDL Date: 09/17/2014 14:20

Prep Method: 7471A

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury	253.7	0.1	0.014

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Canton Job Number: 240-49010-1

SDG Number:

Matrix: Solid Instrument ID: H4

Method: 7471A XMDL Date: 09/17/2014 14:15

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury	253.7	0.6	0.09

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Canton Job Number: 240-49010-1

SDG No.:

ICP-AES Instrument ID: I12 Date: 01/29/2015

Analyte	Wave Length	Al	As	Ca	Co	Cr	Cu	Fe	Mn	Mo	Ni	Si	Ti	V	
Aluminum										0.016418				0.048658	
Antimony		-0.000064			0.000069			-0.000040						0.001892	
Arsenic		0.000010			0.000011	0.001772			-0.000355	0.003923					
Beryllium														0.000309	
Cadmium			0.004739					0.000001							
Cobalt													0.002135		
Copper				0.000018	0.000298			0.000016							
Lead		-0.000086					0.000334	0.000044			0.000131	0.000056			
Lithium				0.000027											
Nickel					0.000518			0.000057							
Selenium		-0.000017							0.000338						
Thallium					0.001697				0.000571				-0.002075	-0.007632	
Vanadium								0.000045							
Zinc						-0.001092									

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Canton Job Number: 240-49010-1

SDG No.:

ICP-AES Instrument ID: I9 Date: 03/24/2015

Analyte	Wave Length	Al	As	Ca	Co	Cr	Cu	Fe	Mn	Mo	Ni	Si	Ti	Tl	V
Aluminum										0.010824					0.075184
Antimony		-0.000071			-0.000195			-0.000027							0.002500
Arsenic		0.000015			-0.000057	0.001800			-0.000355	0.003582					
Barium															
Beryllium															0.000431
Boron															
Cadmium			0.006473					-0.000005							
Calcium															
Chromium															
Cobalt													0.002117		
Copper				0.000023	0.000140			0.000007							
Iron															
Lead		-0.000133					0.000315	0.000039			0.000066	0.000060			
Lithium				0.000078											
Magnesium															
Manganese															
Molybdenum															
Nickel					0.000518			0.000071							
Potassium															
Selenium									0.000338						
Silver															
Sodium															
Strontium															
Thallium					0.001660				0.001238				-0.000834		-0.007071
Tin															
Titanium															
Vanadium								0.000014							
Zinc						-0.000592									

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton Job No: 240-49010-1

SDG No.:

Instrument ID: I12 Date: 07/15/2014 10:31

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Silver		2000	6010C
Arsenic		5000	6010C
Barium		25000	6010C
Beryllium		4000	6010C
Cadmium		2000	6010C
Cobalt		10000	6010C
Chromium		20000	6010C
Molybdenum		10000	6010C
Nickel		30000	6010C
Lead		15000	6010C
Selenium		10000	6010C
Vanadium		5000	6010C
Zinc		10000	6010C
Antimony		10000	6010C
Thallium		10000	6010C

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton Job No: 240-49010-1

SDG No.:

Instrument ID: I9 Date: 07/15/2014 10:31

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Copper		30000	6010C

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton Job No: 240-49010-1

SDG No.:

Instrument ID: H4 Date: 12/10/2013 15:55

Analyte	Integ. Time (Sec.)	Concentration (ppb)	Method
Mercury		10	7471A

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-175558/1-A	04/08/2015 10:26	175558	1.00		100
LCS 240-175558/2-A	04/08/2015 10:26	175558	1.00		100
240-49010-1	04/08/2015 10:26	175558	1.21		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 240-175585/1-A	04/08/2015 15:00	175585	0.60		100
LCS 240-175585/2-A	04/08/2015 15:00	175585	0.60		100
240-49031-G-7-M MS	04/08/2015 15:00	175585	0.55		100
240-49031-G-7-N MSD	04/08/2015 15:00	175585	0.55		100
240-49010-1	04/08/2015 15:00	175585	0.59		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: I12 Method: 6010C

Start Date: 04/09/2015 08:31 End Date: 04/09/2015 15:48

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Co	Cr	Mo	Ni	Pb	Sb	Se	Tl	V	Zn					
ICIS 240-175886/1	1		08:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
CALSTD 240-175886/2 IC			08:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
CALSTD 240-175886/3 IC			08:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
ICV 240-175886/4	1		08:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
ICB 240-175886/5	1		08:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
CRI 240-175886/6			08:52																				
ZZZZZZ			08:56																				
ICSA 240-175886/8	1		09:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
ICSAB 240-175886/9	1		09:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
CCV 240-175886/10			09:08																				
CCB 240-175886/11			09:12																				
ZZZZZZ			09:16																				
ZZZZZZ			09:20																				
ZZZZZZ			09:24																				
ZZZZZZ			09:28																				
ZZZZZZ			09:33																				
ZZZZZZ			09:37																				
CCV 240-175886/18	1		09:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
CCB 240-175886/19	1		09:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
CRI 240-175886/20	1		09:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
MB 240-175558/1-A	1	T	09:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
LCS 240-175558/2-A	1	T	10:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
240-49010-1	1	T	10:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
ZZZZZZ			10:08																				
ZZZZZZ			10:12																				
ZZZZZZ			10:16																				
ZZZZZZ			10:20																				
ZZZZZZ			10:24																				
ZZZZZZ			10:28																				
CCV 240-175886/30	1		10:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
CCB 240-175886/31	1		10:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
ZZZZZZ			10:40																				
ZZZZZZ			10:44																				
ZZZZZZ			10:48																				
ZZZZZZ			10:52																				
ZZZZZZ			10:56																				
ZZZZZZ			10:59																				
ZZZZZZ			11:03																				
ZZZZZZ			11:07																				
ZZZZZZ			11:12																				
ZZZZZZ			11:16																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: I12 Method: 6010C

Start Date: 04/09/2015 08:31 End Date: 04/09/2015 15:48

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Co	Cr	Mo	Ni	Pb	Sb	Se	Tl	V	Zn					
CCV 240-175886/42			11:20																				
CCB 240-175886/43			11:24																				
ZZZZZZ			11:28																				
CRI 240-175886/45	1		11:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
ZZZZZZ			11:36																				
ZZZZZZ			11:40																				
ZZZZZZ			11:44																				
ZZZZZZ			11:48																				
ZZZZZZ			11:52																				
ZZZZZZ			11:56																				
ZZZZZZ			12:00																				
ZZZZZZ			12:04																				
CCV 240-175886/54			12:08																				
CCB 240-175886/55			12:12																				
ZZZZZZ			12:16																				
ZZZZZZ			12:20																				
ZZZZZZ			12:24																				
ZZZZZZ			12:28																				
ZZZZZZ			12:33																				
ZZZZZZ			12:37																				
ZZZZZZ			12:41																				
ZZZZZZ			12:45																				
ZZZZZZ			12:49																				
ZZZZZZ			12:54																				
CCV 240-175886/66			12:58																				
CCB 240-175886/67			13:02																				
ZZZZZZ			13:06																				
ZZZZZZ			13:10																				
ZZZZZZ			13:14																				
ZZZZZZ			13:18																				
ZZZZZZ			13:22																				
ZZZZZZ			13:26																				
ZZZZZZ			13:31																				
ZZZZZZ			13:35																				
ZZZZZZ			13:39																				
ZZZZZZ			13:43																				
CCV 240-175886/78			13:47																				
CCB 240-175886/79			13:51																				
ZZZZZZ			13:55																				
ZZZZZZ			13:59																				
ZZZZZZ			14:03																				
ZZZZZZ			14:08																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: I12 Method: 6010C

Start Date: 04/09/2015 08:31 End Date: 04/09/2015 15:48

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	As	Ba	Be	Cd	Co	Cr	Mo	Ni	Pb	Sb	Se	Tl	V	Zn						
ZZZZZZ			14:12																					
ZZZZZZ			14:16																					
ZZZZZZ			14:20																					
ZZZZZZ			14:24																					
ZZZZZZ			14:28																					
ZZZZZZ			14:32																					
CCV 240-175886/90			14:36																					
CCB 240-175886/91			14:40																					
ZZZZZZ			14:44																					
ZZZZZZ			14:48																					
ZZZZZZ			14:52																					
ZZZZZZ			14:56																					
ZZZZZZ			15:01																					
ZZZZZZ			15:05																					
ZZZZZZ			15:16																					
ZZZZZZ			15:20																					
ZZZZZZ			15:24																					
ZZZZZZ			15:28																					
CCV 240-175886/102			15:32																					
CCB 240-175886/103			15:36																					
ZZZZZZ			15:40																					
CCV 240-175886/105			15:44																					
CCB 240-175886/106			15:48																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: I9 Method: 6010C

Start Date: 04/10/2015 06:27 End Date: 04/10/2015 19:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cu																			
ICIS 240-175933/1	1		06:27	X																			
CALSTD 240-175933/2 IC			06:31	X																			
CALSTD 240-175933/3 IC			06:35	X																			
ICV 240-175933/4	1		06:39	X																			
ICB 240-175933/5	1		06:43	X																			
ZZZZZZ			06:48																				
ZZZZZZ			06:52																				
ICSA 240-175933/8	1		06:56	X																			
ICSAB 240-175933/9	1		07:00	X																			
CCV 240-175933/10			07:03																				
CCB 240-175933/11			07:07																				
ZZZZZZ			07:11																				
ZZZZZZ			07:15																				
ZZZZZZ			07:20																				
ZZZZZZ			07:24																				
ZZZZZZ			07:28																				
ZZZZZZ			07:32																				
CCV 240-175933/18			07:36																				
CCB 240-175933/19			07:40																				
CRI 240-175933/20			07:48																				
ZZZZZZ			07:52																				
ZZZZZZ			07:56																				
ZZZZZZ			08:00																				
ZZZZZZ			08:04																				
ZZZZZZ			08:08																				
ZZZZZZ			08:12																				
ZZZZZZ			08:16																				
ZZZZZZ			08:20																				
ZZZZZZ			08:24																				
CCV 240-175933/30			08:28																				
CCB 240-175933/31			08:31																				
ZZZZZZ			08:35																				
ZZZZZZ			08:40																				
ZZZZZZ			08:44																				
ZZZZZZ			08:48																				
ZZZZZZ			08:52																				
ZZZZZZ			08:56																				
ZZZZZZ			09:00																				
ZZZZZZ			09:04																				
ZZZZZZ			09:08																				
ZZZZZZ			09:12																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: I9 Method: 6010C

Start Date: 04/10/2015 06:27 End Date: 04/10/2015 19:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cu																			
CCV 240-175933/42			09:16																				
CCB 240-175933/43			09:20																				
ZZZZZZ			09:24																				
ZZZZZZ			09:28																				
CCV 240-175933/46	1		09:32	X																			
CCB 240-175933/47	1		09:36	X																			
ZZZZZZ			09:41																				
ZZZZZZ			09:45																				
ZZZZZZ			09:49																				
ZZZZZZ			09:53																				
CRI 240-175933/52	1		09:57	X																			
MB 240-175558/1-A	1	T	10:01	X																			
LCS 240-175558/2-A	1	T	10:06	X																			
240-49010-1	1	T	10:09	X																			
CRI 240-175933/56	1		10:13	X																			
ZZZZZZ			10:17																				
CCV 240-175933/58	1		10:21	X																			
CCB 240-175933/59	1		10:25	X																			
ZZZZZZ			10:29																				
ZZZZZZ			10:33																				
ZZZZZZ			10:37																				
ZZZZZZ			10:41																				
ZZZZZZ			10:44																				
ZZZZZZ			10:48																				
ZZZZZZ			10:52																				
ZZZZZZ			10:56																				
ZZZZZZ			11:00																				
ZZZZZZ			11:04																				
CCV 240-175933/70			11:08																				
CCB 240-175933/71			11:11																				
ZZZZZZ			11:16																				
ZZZZZZ			11:19																				
ZZZZZZ			11:23																				
ZZZZZZ			11:28																				
ZZZZZZ			11:32																				
ZZZZZZ			11:35																				
ZZZZZZ			11:40																				
ZZZZZZ			11:43																				
ZZZZZZ			11:48																				
ZZZZZZ			11:52																				
CCV 240-175933/82			11:56																				
CCB 240-175933/83			11:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: I9 Method: 6010C

Start Date: 04/10/2015 06:27 End Date: 04/10/2015 19:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cu																			
ZZZZZZ			12:04																				
ZZZZZZ			12:08																				
ZZZZZZ			12:12																				
ZZZZZZ			12:16																				
ZZZZZZ			12:20																				
ZZZZZZ			12:24																				
ZZZZZZ			12:28																				
ZZZZZZ			12:32																				
ZZZZZZ			12:36																				
ZZZZZZ			12:40																				
CCV 240-175933/94			12:44																				
CCB 240-175933/95			12:48																				
ZZZZZZ			12:52																				
ZZZZZZ			12:56																				
ZZZZZZ			12:59																				
ZZZZZZ			13:03																				
ZZZZZZ			13:07																				
ZZZZZZ			13:11																				
ZZZZZZ			13:15																				
ZZZZZZ			13:19																				
ZZZZZZ			13:24																				
ZZZZZZ			13:28																				
CCV 240-175933/106			13:32																				
CCB 240-175933/107			13:35																				
ZZZZZZ			13:40																				
ZZZZZZ			13:44																				
ZZZZZZ			13:48																				
ZZZZZZ			13:52																				
ZZZZZZ			13:56																				
ZZZZZZ			14:00																				
ZZZZZZ			14:04																				
ZZZZZZ			14:08																				
ZZZZZZ			14:12																				
ZZZZZZ			14:16																				
CCV 240-175933/118			14:20																				
CCB 240-175933/119			14:24																				
ZZZZZZ			14:28																				
ZZZZZZ			14:32																				
ZZZZZZ			14:36																				
ZZZZZZ			14:40																				
ZZZZZZ			14:44																				
ZZZZZZ			14:47																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: I9 Method: 6010C

Start Date: 04/10/2015 06:27 End Date: 04/10/2015 19:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cu																			
ZZZZZZ			14:51																				
ZZZZZZ			14:55																				
ZZZZZZ			14:59																				
ZZZZZZ			15:03																				
CCV 240-175933/130			15:07																				
CCB 240-175933/131			15:11																				
ZZZZZZ			15:15																				
ZZZZZZ			15:19																				
ZZZZZZ			15:23																				
ZZZZZZ			15:27																				
ZZZZZZ			15:31																				
ZZZZZZ			15:35																				
ZZZZZZ			15:39																				
ZZZZZZ			15:43																				
ZZZZZZ			15:47																				
ZZZZZZ			15:51																				
CCV 240-175933/142			15:55																				
CCB 240-175933/143			15:59																				
ZZZZZZ			16:03																				
ZZZZZZ			16:07																				
ZZZZZZ			16:11																				
ZZZZZZ			16:15																				
ZZZZZZ			16:19																				
ZZZZZZ			16:23																				
ZZZZZZ			16:27																				
ZZZZZZ			16:31																				
ZZZZZZ			16:35																				
ZZZZZZ			16:39																				
CCV 240-175933/154			16:43																				
CCB 240-175933/155			16:47																				
ZZZZZZ			16:51																				
ZZZZZZ			16:55																				
ZZZZZZ			16:59																				
ZZZZZZ			17:03																				
ZZZZZZ			17:07																				
ZZZZZZ			17:11																				
ZZZZZZ			17:15																				
ZZZZZZ			17:19																				
ZZZZZZ			17:23																				
ZZZZZZ			17:27																				
CCV 240-175933/166			17:31																				
CCB 240-175933/167			17:35																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: I9 Method: 6010C

Start Date: 04/10/2015 06:27 End Date: 04/10/2015 19:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cu																			
ZZZZZZ			17:39																				
ZZZZZZ			17:43																				
ZZZZZZ			17:46																				
ZZZZZZ			17:50																				
ZZZZZZ			17:54																				
ZZZZZZ			17:58																				
ZZZZZZ			18:02																				
ZZZZZZ			18:06																				
ZZZZZZ			18:10																				
ZZZZZZ			18:14																				
CCV 240-175933/178			18:18																				
CCB 240-175933/179			18:22																				
ZZZZZZ			18:26																				
ZZZZZZ			18:30																				
ZZZZZZ			18:34																				
ZZZZZZ			18:38																				
ZZZZZZ			18:43																				
ZZZZZZ			18:47																				
ZZZZZZ			18:51																				
ZZZZZZ			18:55																				
ZZZZZZ			19:00																				
CCV 240-175933/189			19:04																				
CCB 240-175933/190			19:08																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: H4 Method: 7471A

Start Date: 04/09/2015 08:22 End Date: 04/09/2015 11:25

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
IC 240-175562/1-A			08:22	X																			
IC 240-175562/2-A			08:25	X																			
IC 240-175562/3-A			08:27	X																			
IC 240-175562/4-A			08:29	X																			
IC 240-175562/5-A			08:31	X																			
IC 240-175562/6-A			08:33	X																			
ICV 240-175562/7-A	1		08:35	X																			
ICB 240-175562/8-A	1		08:37	X																			
CRA 240-175562/9-A	1		08:39	X																			
CCV 240-175562/11-A	1		09:42	X																			
CCB 240-175562/10-A	1		09:44	X																			
ZZZZZZ			09:46																				
ZZZZZZ			09:48																				
ZZZZZZ			09:50																				
ZZZZZZ			09:52																				
ZZZZZZ			09:53																				
ZZZZZZ			09:55																				
ZZZZZZ			09:57																				
ZZZZZZ			09:59																				
ZZZZZZ			10:01																				
MB 240-175585/1-A	1	T	10:03	X																			
CCV 240-175562/11-A	1		10:05	X																			
CCB 240-175562/10-A	1		10:07	X																			
LCS 240-175585/2-A	1	T	10:08	X																			
ZZZZZZ			10:11																				
240-49031-G-7-M MS	1	T	10:12	X																			
240-49031-G-7-N MSD	1	T	10:14	X																			
ZZZZZZ			10:17																				
ZZZZZZ			10:19																				
ZZZZZZ			10:21																				
ZZZZZZ			10:23																				
ZZZZZZ			10:24																				
ZZZZZZ			10:26																				
CCV 240-175562/11-A	1		10:29	X																			
CCB 240-175562/10-A	1		10:31	X																			
ZZZZZZ			10:33																				
ZZZZZZ			10:35																				
ZZZZZZ			10:37																				
ZZZZZZ			10:39																				
ZZZZZZ			10:41																				
ZZZZZZ			10:42																				
ZZZZZZ			10:44																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: H4 Method: 7471A

Start Date: 04/09/2015 08:22 End Date: 04/09/2015 11:25

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
240-49010-1	1	T	10:46	X																			
ZZZZZZ			10:48																				
ZZZZZZ			10:50																				
CCV 240-175562/11-A	1		10:52	X																			
CCB 240-175562/10-A	1		10:54	X																			
ZZZZZZ			10:56																				
ZZZZZZ			10:59																				
CCV 240-175562/11-A			11:01																				
CCB 240-175562/10-A			11:03																				
CCV 240-175562/11-A			11:18																				
CCB 240-175562/10-A			11:20																				
ZZZZZZ			11:21																				
CCV 240-175562/11-A			11:23																				
CCB 240-175562/10-A			11:25																				

Prep Types

T = Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Batch Number: 175558 Batch Start Date: 04/08/15 10:26 Batch Analyst: Elshaw, Dale

Batch Method: 3050B Batch End Date: 04/08/15 17:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MT1TO1HN03 00942	MTAGSPIKEW 00047	MTH202 00041
MB 240-175558/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL		10 mL
LCS 240-175558/2		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	100 mL	10 mL	2 mL	10 mL
240-49010-E-1	FILL-001	3050B, 6010C	T	CALC NOT SET TO RUN	1.21 g	100 mL	10 mL		10 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTICP1 00039	MTICP2A 00048	MTTMHCL 00061	MTTMHNO3 00053		
MB 240-175558/1		3050B, 6010C				10 mL	5 mL		
LCS 240-175558/2		3050B, 6010C		2 mL	2 mL	10 mL	5 mL		
240-49010-E-1	FILL-001	3050B, 6010C	T			10 mL	5 mL		

Batch Notes	
Balance ID	b039
Blank Soil Lot Number	K565-4i009
Filter Paper Lot Number	9605292
Hot Block ID number	a1 a2
Pipette ID	383366-66
Digestion Tube/Cup Lot #	140204

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Batch Number: 175562 Batch Start Date: 04/08/15 08:39 Batch Analyst: Walpole, Barbara

Batch Method: 7471A Batch End Date: 04/08/15 09:09

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00988	MTHGCALW 00875	MTHgStd 00011	MTKMN04W 00080
ICV 240-175562/7		7471A, 7471A		100 mL	100 mL	5 mL		0.5 mL	15 mL
ICB 240-175562/8		7471A, 7471A		100 mL	100 mL	5 mL			15 mL
CRA 240-175562/9		7471A, 7471A		100 mL	100 mL	5 mL	0.2 mL		15 mL
CCB 240-175562/10		7471A, 7471A		100 mL	100 mL	5 mL			15 mL
CCV 240-175562/11		7471A, 7471A		100 mL	100 mL	5 mL	5 mL		15 mL

Batch Notes	
Hot Block ID number	C1
Pipette ID	383364-383366-1325009
Digestion Tube/Cup Lot #	1408268

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Batch Number: 175585 Batch Start Date: 04/08/15 15:00 Batch Analyst: Elshaw, Dale

Batch Method: 7471A Batch End Date: 04/08/15 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MTAQUAREGIA 00987	MTHGCALW 00875	MTKMN04W 00080	
MB 240-175585/1		7471A, 7471A		0.60 g	100 mL	5 mL		15 mL	
LCS 240-175585/2		7471A, 7471A		0.60 g	100 mL	5 mL	5 mL	15 mL	
240-49031-G-7 MS		7471A, 7471A	T	0.55 g	100 mL	5 mL	1 mL	15 mL	
240-49031-G-7 MSD		7471A, 7471A	T	0.55 g	100 mL	5 mL	1 mL	15 mL	
240-49010-E-1	FILL-001	7471A, 7471A	T	0.59 g	100 mL	5 mL		15 mL	

Batch Notes	
Balance ID	b039
Blank Soil Lot Number	K565-4i009
Hot Block ID number	c3
Pipette ID	383364-383366-66
Digestion Tube/Cup Lot #	1408268

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-49010-1

SDG No.:

Project: MRC-Middle River

Client Sample ID	Lab Sample ID
FILL-001	240-49010-1

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-49010-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-49010-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/07/2015 14:03 End Date: 04/07/2015 17:55

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			14:03	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/07/2015 14:03 End Date: 04/07/2015 17:55

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			15:17																					
240-49010-1 DU	1	T	15:17	X	X																			
240-49010-1	1	T	15:17	X	X																			
ZZZZZZ			15:17																					
ZZZZZZ			15:17																					
ZZZZZZ			15:17																					
ZZZZZZ			15:17																					
ZZZZZZ			15:17																					
ZZZZZZ			17:41																					
ZZZZZZ			17:55																					
ZZZZZZ			17:55																					
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ZZZZZZ			17:55																					
ZZZZZZ			17:55																					
ZZZZZZ			17:55																					

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-49010-1

SDG No.:

Batch Number: 175452 Batch Start Date: 04/07/15 14:03 Batch Analyst: Matheny, Sarah

Batch Method: Moisture Batch End Date: 04/08/15 10:11

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-49010-A-1 DU	FILL-001	Moisture	T	4.2418 g	8.3449 g	7.8861 g			
240-49010-A-1	FILL-001	Moisture	T	4.2418 g	9.5456 g	9.1531 g			

Batch Notes	
Balance ID	B047 No Unit
Date samples were placed in the oven	4/7/2015
Oven Temp when samples are put in oven	103.1 Degrees C
Time samples were place in the oven	18:13
Date samples were removed from oven	4/8/15
Oven Temp when samples removed from oven	103.9 Degrees C
Time Samples were removed from oven	6:15
Oven ID	002
ID number of the thermometer	TemGuard Box-C #6

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

EMLab P&K
A TestAmerica Company

Report for:

Mr. John McFadden
TestAmerica-Canton
4101 Shuffel Dr. NW
North Canton, OH 44720

Regarding: Project: 240-49010-1; LM MSA Dump Road Area 2014
EML ID: 1349197

Approved by:



Approved Signatory
Noah Lazarte

Dates of Analysis:
Asbestos PLM: 04-09-2015

Service SOPs: Asbestos PLM (EPA Methods 600/R-93/116 & 600/M4-82-020, SOP EM-AS-S-1267)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the items tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

EMLab P&K
4955 Yarrow Street , Arvada, CO 80002
(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Canton
C/O: Mr. John McFadden
Re: 240-49010-1; LM MSA Dump Road Area 2014

Date of Sampling: 04-06-2015
Date of Receipt: 04-08-2015
Date of Report: 04-10-2015

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted:	1
Total Samples Analyzed:	1
Total Samples with Layer Asbestos Content > 1%:	0

Location: 240-49010-1, FILL-001

Lab ID-Version‡: 6178442-1

Sample Layers	Asbestos Content
Peach Soil	ND
Sample Composite Homogeneity:	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Subcontract Data

Shipping and Receiving Documents

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS


240-49010 Chain of Custody

4101 Shuffel Street, N.W. North Canton, OH 44720 **tel** 330.497.9396 **fax** 330.497.0772 **www.testamericainc.com**

TestAmerica ~~Pittsburgh~~ NORTH CANTON
~~301 Alpha Drive RIDC Park~~ 4101 SHUFFEL ST. N.W.
~~Pittsburgh, PA 15238~~
~~Phone (412) 963-7058 Fax (412) 963-2468~~ NORTH CANTON, OH

Chain of Custody Record

#24/C29

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Josh Mullis	Lab PM: Pat O'meara	Carrier Tracking No(s):	COC No: 180-23290-5596.1
Client Contact: Tony Apanavage / Scott Nesbit	Phone: 410-279-2700	E-Mail:		Page: Page 1 of 1
Company: Tetra Tech, Inc.		Analysis Requested		Job #:
Address: 20251 Century Blvd Suite 200	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
City: Germantown	TAT Requested (days): 5 days			
State, Zip: MD, 20874				
Phone:	PO #:			Other:
Email: Tony.Apanavage@tetratech.com	WO #:			
Project Name: Fill Analysis.	Project #: 112IC07483.20			
Site: MAC-Middle River	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOCs	SVOCs, TPH Gas/Mod, PCBs	Metals	Asbestos	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
FILL-001	4/6/15	1500	G	S			X	X	X	X		"SELECT FILL" 166 TONS
TB-040615	4/6/15	—	G	W			X	—	—	—		

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Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: Block G exc BACKFILL MATERIAL

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 4/6/15 1500	Company: Tetra Tech	Received by:	Date/Time: 3/6/15 1606	Company: TestAmerica
Relinquished by:	Date/Time: 4/6/15 1735	Company: TT	Received by:	Date/Time: 4-7-15 915	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 49010**
Canton Facility

Client Tetra Tech Site Name _____ Cooler unpacked by:

Cooler Received on 4-7-15 Opened on 4-7-15

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box (Client Cooler) Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

~~IR GUN# A (CF +4.0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C~~

IR GUN# 4 (CF +0.5 °C) Observed Cooler Temp. 2.4 °C Corrected Cooler Temp. 2.9 °C ☐ See Multiple Cooler Form

~~IR GUN# 5 (CF +0.4 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C~~

IR GUN# 8 (CF -1.2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 (Yes) No
   -Were custody seals on the outside of the cooler(s) signed & dated? (Yes) No NA
   -Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Was/were the sampler(s) clearly identified on the COC? Yes (No)
7. Did all bottles arrive in good condition (Unbroken)? (Yes) No
8. Could all bottle labels be reconciled with the COC? (Yes) No
9. Were correct bottle(s) used for the test(s) indicated? (Yes) No
10. Sufficient quantity received to perform indicated analyses? (Yes) No
11. Were sample(s) at the correct pH upon receipt? Yes No (NA) pH Strip Lot# **HC425511**
12. Were VOAs on the COC? (Yes) No
13. Were air bubbles >6 mm in any VOA vials? Yes (No) NA
14. Was a trip blank present in the cooler(s)? Trip Blank Lot # _____ (Yes) No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____